WADE

WSD124



List Price Guide

Effective: January 1, 2024

Replaces all previous Price Lists

wadedrains.com

MATERIALS

Cast Iron: Conforms to ASTM specification for Gray Iron Castings A-48-83, Class 20 or 25. It is a relatively high silicon iron with a high degree of strength and corrosion resistance.

Ductile Iron: Conforms to ASTM specification A 536-84 Grade 60-45-10. This nodular iron material has corrosion resistance superior to that of gray iron and exhibits remarkable stress qualities with yield factors in the same range as cast carbon steel and also maintaining the ability to absorb shock loading. This material is excellent where heavy duty service is a requirement.

Properties of Ductile Iron Versus Cast Iron

Material	Cast Iron	Ductile Iron
Specification	Class 25	60-45-10
Tensile Strength (PSI)	20/30,000	60/80,000
Yield Strength	NIL	45/60,000
Elongation	NIL	10% to 25%
Modules of Elasticity	16 x 10	24 x 10

Aluminum: Castings are Grade 319, which is an alloy containing both silicon and copper. It is a solid cast material with a light gray appearance. The light weight coupled with its exceptional strength and corrosion resistance, makes Wade aluminum castings ideal for drain components such as sediment buckets and strainers.

Bronze: This is a semi-red brass conforming to ASTM Specification for Copper Alloy Sand Casting, Ingot No.84400 or 83600. Exposed surfaces for products designated Satin Bronze are furnished with a sheen texture which allows it to blend unobtrusively with surrounding finishes. When required, this material can be furnished polished to a high gloss.

Nickel Bronze: This unique material is ideally suited for high traffic finished floor areas. It offers higher strength, better appearance and longer service life than chrome plating. The material is a copper nickel alloy 97300 or 97600. The appearance is similar to satin chrome plating, but will not chip, crack or peel off. It is highly resistant to corrosion; A slight oxidization will naturally occur over time.

Stainless Steel: For castings, Wade typically uses Type CF8 (304) which is an 18-8 Austenitic Stainless providing excellent corrosion resistance. For some applications, CF8M (316) stainless steel can be supplied when specified. For fabricated stainless steel products, Type 304 is normally provided with Type 316 as an optional material.

Neoprene: Most Wade gaskets are made of neoprene in conformance to ASTM A74. The physical characeristics of neoprene ensure that the gasket will not decay or deteriorate from contact with effluents in the pipe or chemicals in the soil or the atmosphere.

Physical Properties				
Property	Performance Requirement			ASTM Test
Hardness (Nominal Hardness +/-5)	50	60	70	D2240
Elongation (Minimum) %t	350	300	250	D412
Tensile Strength (Minimum) Lbf/In.	1500	1500	1500	D412
Tear Resistance (Minimum) Lbf/In.	150	150	150	D624
Compression Set (Minimum) %	25	25	24	D395
Heat Aging (96 Hours at 158 Degrees F +/- 2 Degrees F)				
Hardness Increase (Maximum) Durometer	10	10	10	D573
Loss in Tensile Strength (Maximum) %	15	15	15	D573
Loss in Elongation (Maximum) %	20	20	20	D573
Water Absorption (Weight Incerase Max.) %	20	20	20	D471
Ozone Resistance				
Cracks	0	0	0	D1149
Volume Increase (Maximum) %	80	80	80	D471
Resistance To Permanant Set				
Compression Set After 22 Hrs. at 158F (%)	25	25	25	D395
Compression Set After 22 Hrs. at 14F (%)	60	60	60	D395

FINISHES

Wade CI/DI Coatings: Cast iron and ductile iron coatings are normally furnished with a specially formulated latex coating designed to resist cracking and chipping plus offer a high resistance to rusting.

A.R. Acid Resistant Coating: is a common baked-on powder coating which produces a smooth, hard, high gloss finish. The epoxy based coating offers high impact resistance and excellent life in drainage applications. Wade A.R. coating conforms to the requirements of FDA regulation 21-CFR5 117.1360.

A.R.C. Acid Resistant Coating from Wade is typically furnished in a high build aliphatic hybrid – trade named ArmorClad. It is an industrial abrasion - chemical - impact - moisture—UV resistant sanitary finish engineered for use on critical surfaces in harsh environments. A two component no-voc formulation delivers optimal performance in very cold or hot climates. ArmorClad is dielectric (non-conductive) so there is no potential reaction with the earth's elements. Because of its's dielectric properties, performance is exceptional in all forms of corrosive elements that may be present in underground environments. Because it is non-sacrificial, the finish insulates metallic products from corrosive elements including salt spray. A 100% solids characteristic helps to ensure a complete barrier is formed for protection. The aliphatic hybrid content of ArmorClad provides UV resistance well beyond what aromatic coatings can offer. Accelerated UV Aging test over extended time are ongoing to qualify the significant improvements. Available in Gray.

A.R.E. (Porcelain): Acid resisting Porcelain Enamel is a substantially vitreous or glassy inorganic coating bonded to metal by fusion at temperatures in excess of 800ºF. This exclusive coating is normally supplied on floor sinks. A.R.E. porcelain is extremely hard, offers unmatched sanitation properties and is acid, abrasion and wear resistant. Conforms to F.D.A (Food and Drug Administration) Regulation 21-CFR5 117.1360.

Chrome Plating: Chrome plating is more reflective (brighter), bluer (less pale), and more spectacular than other finishes. Chrome is applied by electroplating. Our process is decorative chrome plating, sometimes called nickel-chrome plating because it involves electroplating nickel onto the object before plating the chrome. The nickel plating provides the smoothness, much of the corrosion resistance, and most of the reflectivity. The chrome plating is exceptionally thin and the product surfaces are highly polished before the electroplating is applied. This finish is not recommended for areas subjected to traffic because abrasion will eventually wear through and cause peeling. It should always be specified for swimming pool applications for resistance to chemicals encountered in the pool maintenance.

E.C. (Epoxy Coating): High performance solvent based, high solids polyamine epoxy. This coating offers exceptional chemical and abrasion resistance for long term performance in aggressive environments. Normally furnished in a high gloss gray finish.

Galvanized: This is a process of applying a heavy zinc coating to a thoroughly cleaned cast iron or ductile iron casting. This coating contains 95% zinc in a thermal process and is recommended wherever discoloration caused by oxidation of cast iron is objectionable, or in costal or industrial areas where corrosive atmospheres are present. This coating meets or exceeds Federal specification MIL-P-21035, MIL-P-26915A, MIL-P-26433 and MIL-C-10578 (Type II). It also meets ASTM specification A239-89.

GENERAL TERMS & CONDITIONS

ENTIRE AGREEMENT. McWane, Inc. and its divisions and subsidiaries (the "Seller") agrees to sell the goods covered herein ("Goods") to Buyer on the following terms and conditions of sale (the "Terms and Conditions") which supersede any other or inconsistent terms of Buyer. The Terms and Conditions and the order or other contract documents to which they are attached constitute the entire agreement between the parties with respect to the Goods (the "Agreement"). All references by Seller to Buyer's specifications and similar requirements are only to describe the Goods and work covered hereby and no warranties or other terms will have any force or effect. Neither this Agreement, nor any modification, amendment or waiver to it, nor any cancellation, change or return of any order under it, will be binding on Seller until agreed in writing by Seller's authorized representative. No representation, promise or term not set forth herein has been or may be relied upon by Buyer, and any terms not contained in this Agreement are expressly objected to and rejected. Acceptance of orders, whether oral or written, and/or delivery by Buyer is based on the express condition that Buyer agrees to all of these Terms and Conditions.

QUOTATIONS. Where this Agreement is used by Seller to place a bid, the quotation stated herein is for prompt acceptance and Seller may change and/or withdraw without notice. Prompt acceptance by Buyer of all quotations is a material term of the bid and any subsequent agreement. In cases where freight allowance is included in the quotation, Buyer is liable for any rate increase and/or additional expense over the calculated allowance resulting from compliance with Buyer's shipping instructions.

DELIVERY. All prices are EXW (Ex-Works)(per Incoterms 2010), unless otherwise specified by Seller in writing. All shipping dates are approximate, and any time period indicated for a shipment will not commence until receipt at Seller's plant of complete manufacturing, shipping, and credit information. Acceptance of shipment by designated shipper, allocation of Goods to Buyer at premises other than Seller's, delivery to Buyer's representative or designee or mailing of an invoice to Buyer, whichever first occurs, will constitute tender of delivery and title will pass to Buyer, subject to Seller's right of stoppage in transit and to any interest of Seller reserved to secure Buyer's payment or performance, irrespective of any freight allowance or prepayment of freight. In the case of Goods held subject to Buyer's instructions, Goods for which Buyer has failed to supply shipping instructions, or in any case where Seller, in its sole discretion, determines that any part of the Goods should be held for Buyer's account, Seller may invoice for the Goods and Buyer agrees to make payment at the maturity of the invoice rendered. Goods invoiced and held at any location for whatever reason will be at Buyer's risk and Seller may charge for (but is not obligated to carry) insurance, storage and other expenses incident to such delay at their prevailing rates. Partial deliveries shall be accepted by Buyer and paid for at Agreement prices and terms. When Buyer has declared or manifested an intention not to accept delivery, no tender shall be necessary but Seller may, at its option, give notice in writing to Buyer that Seller is ready and willing to deliver and such notice shall constitute a valid tender of delivery. Buyer must report any shortages in shipments within three (3) days of receipt of the initial shipment.

LOSS OR DAMAGE IN TRANSIT. Buyer may not make any deduction from any payment due hereunder by reason of loss or damage to Goods in transit. Upon Buyer's written request, Seller, in its sole discretion, may agree as a service to Buyer to process Buyer's claim against the carrier for any loss or damage in transit, provided that Seller receives such claim within five (5) days of the delivery of the Goods. Any such claims must be accompanied by a delivery receipt, signed by carrier's agent at time of delivery, on which receipt the loss or damage has been noted, or such claims will be waived.

TERMS OF PAYMENT. Terms are stated on Seller's order or invoice document. Seller may make partial shipments and payment for that portion shall be due as provided on Seller's order or invoice document based on time of shipment. If, at any time or for any reason, Seller has cause to question Buyer's ability to perform, Seller may demand such assurances of Buyer's performance as Seller deems necessary in its discretion, including payment in advance for all shipments. If Buyer fails within ten (10) days of Seller's demand to provide Seller with such assurance, Seller may suspend its performance, cancel any order then outstanding, receive reimbursement for its reasonable and proper cancellation charges and collect, without limitation, any sums due and owing, its reasonable cancellation charges and all damages resulting from Buyer's default. In the event of Buyer's bankruptcy or insolvency, or in the event of any proceeding brought against Buyer, voluntarily or involuntarily, under bankruptcy or any insolvency laws, Seller may cancel any order then outstanding at any time and receive reimbursement for its reasonable and proper cancellation charges. If Buyer fails to make payment for Goods when due, Buyer's account will be deemed delinquent and Buyer will be liable to Seller for a service charge of eighteen percent (18%) per annum or the maximum allowed by law, whichever is greater, on any unpaid amount; provided that, in addition to the foregoing, Seller may also suspend its performance, cancel any order then outstanding, receive reimbursement for its reasonable and proper cancellation charges and to collect, without limitation, any sums due and owing, its reasonable cancellation charges and all damages resulting from Buyer's default. Buyer will be liable to Seller for all costs and expenses of collection, including court costs and reasonable attorneys' fees.

CANCELLATION, CHANGES AND RETURNS. In the event of a proper cancellation, change or return request from Buyer under this Agreement, Seller may, at its option: (A) charge Buyer for any costs Seller incurred prior to or as a result of such cancellation, change or return; (B) revise its prices and delivery dates to reflect such change; and/or (C) accept returned Goods for credit if, in Seller's sole discretion, it finds such Goods to be standard stock and in good condition. The credit will be, in Seller's sole discretion, either the invoice price less a percentage to be determined by the Seller or the scrap value of the Goods, along with shipping and handling charges to be determined by Seller. All returned Goods must be securely packed by Buyer to ensure that the returned material is not damaged during shipment.

DELAY IN OR PREVENTION OF PERFORMANCE. Seller will not be liable for any expense, loss or damage resulting from delay in delivery or prevention of performance caused by any event beyond Seller's reasonable control ("Force Majeure"), including without limitation: fire; flood; storm; act of God; strike, labor dispute or labor shortage; lack of or inability to obtain materials, fuels, supplies or equipment; civil unrest or riot; accident; transportation delay or shortage; act or failure to act of any government or of Buyer; or any other cause whatsoever, provided that such cause is beyond Seller's reasonable control. Seller will have such additional time for performance as may be reasonably necessary under the circumstances and may adjust the price to reflect increases occasioned by Force Majeure. Buyer's acceptance of any Goods will constitute Buyer's waiver of any claim for damages on account of any delay in delivery of such Goods. If delivery is delayed or interrupted by Force Majeure, Seller may store the Goods at Buyer's expense and risk and charge Buyer a reasonable storage rate. If Seller is delayed because it is awaiting Buyer's approval or acceptance of designs, drawings, prints, engineering or technical data, or is awaiting Buyer's approval or acceptance of Goods, Seller will be entitled to an adjustment in price commensurate with any increase in its cost of production and any other losses and expenses incurred by Seller attributable to such delays.

DEFERRED DELIVERY. If Buyer requests a deferred delivery and Seller approves in writing, Seller may charge Buyer for the completed portion of this Agreement and warehouse all completed Goods at Buyer's expense and risk of loss. As to any uncompleted portion of this Agreement, Seller may, at its option, cancel said uncompleted portion in accordance with Paragraph 6 above or revise its prices and delivery schedules on the portion not completed to reflect its increased costs and expenses attributable to the delay.

WARRANTY AND BUYER'S REMEDIES. Seller warrants that the Goods will be of the kind described in this Agreement and free from defects in material and workmanship under conditions of normal use. Seller reserves the right to make any modifications required by production conditions to the information set forth in Seller's catalogues and advertising literature. Seller will not be liable or responsible, however, for (A) any defects attributed to normal wear and tear, erosion or corrosion, improper storage, use or maintenance or use of the Goods with incompatible products, or (B) defects in any portion or part of the Goods manufactured by others. If (B) above is applicable, Seller will, as an accommodation to Buyer, assign to Buyer any warranties given to it by any such other manufacturers; provided, however, that the foregoing will not extend Seller's warranty to any accessory products unless otherwise agreed to in writing by Seller. All warranties provided herein are void if the Goods are modified or used in conjunction with products or accessories not manufactured or approved by Seller or which are incompatible with the Goods. Any claim by Buyer with reference to the Goods for any cause will be deemed waived by Buyer unless submitted to Seller in writing within ten (10) days from the date Buyer discovered, or should have discovered, any claimed breach. Buyer will give Seller an opportunity to investigate. Provided that Seller is furnished prompt notice by Buyer of any defect and an opportunity to inspect the alleged defect as provided herein, Seller will, at its option and in its sole discretion either: (i) repair the defective or non-conforming Goods; (ii) replace the nonconforming Goods, or part thereof, which are sent to Seller by Buyer within sixty (60) days after receipt of the Goods at Buyer's plant or storage facilities; or (iii) if Seller is unable or chooses not to repair or replace, return the purchase price that has been paid and cancel any obligation to pay unpaid portions of the purchase price of nonconforming Goods. In no event will any obligation to pay or refund exceed the purchase price actually paid. Repair and/or replacement as provided above will be shipped EXW (Ex- Works) (per Incoterms 2010) unless otherwise agreed in writing by Seller. Buyer will prepay all transportation charges for the return of the Goods or part thereof to Seller, unless otherwise agreed in writing by Seller. Seller will not be responsible for any labor, removal or installation charges that may result from the above-described repair and/or replacement of any Goods. This warranty does not cover failure of any part or parts manufactured by others, failure of any part or parts from external forces, including without limitation corrosive soils, earthquake, installation, vandalism, vehicular or other impact, application of excessive torque to the operating mechanism, frost heave or other Force Majeure. Buyer's exclusive remedy and Seller's sole liability for any loss, damage, injury or expense of any kind arising from the manufacture, delivery, sale, installation, use or shipment of the Goods and whether based on contract, warranty, tort or any other basis of recovery whatsoever, will be, at Seller's election, the remedies described above. The foregoing is intended as a complete allocation of risks between the parties and Buyer understands that it will not be able to recover consequential damages even though it may suffer such damages in substantial amounts. Because this Agreement and the price paid reflect such allocation, this limitation will not have failed of its essential purpose even if it operates to bar recovery for such consequential damages.

PATENTS. If any claim is made against Buyer based on a claim that any of the Goods constitute an infringement of any U.S. Letter Patent, Buyer will notify Seller immediately. Seller may, with Buyer's assistance, if required, but at Seller's expense, conduct settlement negotiations or the defense of any litigation. If any of the Goods are held to infringe any U.S. Letter Patent, and their use is enjoined or, if as a result of a settlement, Seller deems their continued use unadvisable and provided that Buyer has given Seller the immediate notice required above and has used the Goods only in accordance with the provisions of this Agreement and has not altered or changed them in any material way, Seller will, at its option and expense, procure for Buyer the right to continue using the Goods, modify the Goods so that they become non-infringing, replace the Goods with non-infringing Goods of substantially equal quality, or replace the Goods and refund the purchase price, less reasonable depreciation. The foregoing states Seller's entire liability for patent infringement.

LIMITATION OF LIABILITY. THE WARRANTIES IN PARAGRAPHS 9 AND 10 ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED BY LAW OR STATUTE OR ARISING FROM TRADE USAGE OR COURSE OF DEALING. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR STRICT LIABILITY, WILL SELLER BE LIABLE FOR ANY PUNITIVE, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF PROFIT, LOSS OF USE OF THE GOODS OR OTHER PROPERTY OR EQUIPMENT, DAMAGE TO OTHER PROPERTY, COST OF CAPITAL, COST OF SUBSTITUTE GOODS, DOWNTIME, OR THE CLAIMS OF BUYER'S CUSTOMERS FOR ANY OF THE AFORESAID DAMAGES. SELLER WILL NOT BE LIABLE AND BUYER AGREES TO INDEMNIFY SELLER FOR ALL PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LIABILITY RESULTING IN WHOLE OR IN PART FROM BUYER'S NEGLIGENCE. NO CLAIMS OF ANY NATURE, WHETHER BASED ON CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE MAY BE BROUGHT AGAINST SELLER MORE THAN TWENTY-FOUR (24) MONTHS AFTER DELIVERY OF THE GOODS TO BUYER. In any contract by Buyer for resale of Goods Buyer will effectively disclaim, as against Seller, any implied warranty of merchantability and all liability for property damage or personal injury resulting from handling, possession or use of Goods, and shall exclude, as against Seller, any liability for special or consequential damages.

CONTROLLING LAW AND CONSENT TO VENUE. This Agreement and all rights and obligations hereunder will be governed by, and construed in accordance with, the laws of the State of Alabama, U.S.A., without regard to its conflicts of laws provisions. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to this Agreement. Except when the dispute is arbitrated, the parties irrevocably agree that the exclusive venue for all disputes between the parties will be the state and federal courts of Alabama, U.S.A., to which jurisdiction Buyer hereby irrevocably submits. Buyer waives any objection or defense that Buyer is not personally subject to jurisdiction of the state and federal courts of Alabama, U.S.A.; that the venue of the action is improper; and that the action, suit or proceeding is brought in an inconvenient forum. In addition to any other mode of service of process authorized by law, Buyer consents to service of process by registered or certified mail.

COMPLIANCE WITH LAWS. Buyer represents and warrants, in connection with the transactions contemplated by this Agreement, and any other agreement contemplated by or entered into pursuant to this Agreement, that Buyer will comply with all governmental laws, regulations and orders that may be applicable to Buyer, including without limitation all laws and regulations regarding export controls, economic sanctions and trade embargoes, anti-boycott restrictions, anti-money laundering laws and anti-corruption laws, including but not limited to the U.S. Foreign Corrupt Practices Act (as amended) and the United Kingdom Bribery laws (collectively, the "Applicable International Trade and Anti- Corruption Laws"). Buyer will comply with all applicable Equal Opportunity requirements including those set forth in Executive Order 11246 and the Vietnam Era Veterans Readjustment Assistance Act of 1974, and regulations promulgated thereunder, the full version of which is found on Attachment A to this Agreement and incorporated herein by this reference. Buyer acknowledges and confirms that it and its officers, directors, employees, agents, contractors, designees and/or any other party acting on its behalf (collectively "Related Parties") are familiar with the provisions of the Applicable International Trade and Anti-Corruption Laws. Buyer agrees to indemnify, defend and hold harmless Seller and its employees from and against any and all claims, demands, costs, penalties and fines arising in connection with any alleged breach by Buyer or any of its Related Parties of this paragraph. Seller may terminate this Agreement in its entirety, without liability to Buyer, if Seller believes in good faith that Buyer or any of its Related Parties has violated or intends to violate this paragraph.

ARBITRATION; DISPUTE RESOLUTION; PRESERVATION OF REMEDIES. All disputes, claims or controversies (individually or collectively, a "Dispute") between Seller and Buyer arising out of or relating to the transactions contemplated by this Agreement, including without limitation any claim based on or arising from an alleged tort, shall be resolved by binding arbitration in accordance with Title 9 of the U.S. Code and the Commercial Arbitration Rules of the American Arbitration Association (the "AAA"). The Dispute will be arbitrated in Birmingham, Alabama, U.S.A. Defenses based on statutes of limitation and similar doctrines will be applicable in any such proceeding, and the commencement of an arbitration proceeding under this Agreement will be deemed the commencement of an action for such purposes. The parties will select arbitrators in accordance with the Commercial Arbitration Rules of the AAA. The AAA will designate a panel of ten (10) potential arbitrators knowledgeable in the subject matter of the Dispute. Seller and Buyer each shall designate, within thirty (30) days of the receipt of the list of potential arbitrators, one of the potential arbitrators to serve, and the two arbitrators so designated shall select a third arbitrator from the eight remaining candidates. Notwithstanding the foregoing, Seller reserves the right to resolve or bring any Dispute in a court of competent jurisdiction in accordance with paragraph 12 of these Terms and Conditions.

WAIVER. No waiver of any provision, right or remedy contained in this Agreement, including the terms of this Paragraph 15, is binding on, or effective against, Seller unless expressly set forth in writing and signed by Seller's authorized representative. Buyer expressly agrees that no right or remedy provided for in this Agreement can be waived through course of dealing, course of performance or trade usage. Buyer expressly agrees and acknowledges that reliance on any waiver without Seller's written consent is unreasonable. Waiver by Seller of any breach will be limited to the specific breach so waived and will not be construed as a waiver of any subsequent breach. Seller's approval or consent to any action proposed by Buyer will not be considered an agreement to the propriety, fitness or usefulness of the proposed action, and will not affect Buyer's obligation to strictly comply with this Agreement and all related orders.

ASSIGNMENT. Buyer may not assign this Agreement or any rights or obligations hereunder without Seller's prior written consent. Any attempted assignment in contravention of this paragraph is void. This Agreement, and the Terms and Conditions contained herein, are enforceable, however, against Buyer's successors and permitted assigns.

TAXES. Seller's prices do not include sales, use, excise or other similar taxes. Consequently, in addition to the price specified herein, Buyer will pay the amount of any present or future such tax, unless Buyer, at the time of sale, provides Seller with all tax-exemption certificates required by taxing authorities.

CUMULATIVE NATURE OF REMEDIES. Seller's remedies in this Agreement are cumulative and in addition to any other remedies available to Seller, whether at law, equity or otherwise.

SEVERABILITY. If any provision or part of a provision contained in this Agreement is held by a court of competent jurisdiction to be contrary to law or public policy, the remaining provisions of the Agreement will remain in full force and effect.

CONSTRUCTION. No provision of this Agreement may be construed against the Seller as the drafting party.

ILLUSTRATIONS. The typical installations for various products found in each product section are intended to illustrate the products and potential options for the use of these products. Under no circumstances are they to be construed as recommended installation procedures. Consult local codes and project specifications for proper installation instructions.

WADE products comply with Federal Specifications WWP-541-P & the most current revisions of applicable ANSI/ASME/ASSE/PDI standards.

Product Type	ANSI / ASME	ASSE	PDI	IAPMO File No.
Carriers	A112.6.1M-97			0913
Floor Drains	A112.6.3-2001			6564
Trap Primers		1018-01		
Shock Arrestors	A112.26.1M	1010-04	WH-201	
Roof Drains	A112.6.4-03			7579
Grease Interceptors	Z1001-07		G-101	2713
Cleanouts	A112.36.2M			2224
Wall Hydrants	A112.21.3M-85			1722
Floor Sinks	A112.6.7-10			6566

ASME Load Classifications (Safe Live Load)				
Light Duty (Under 2,000 Lb.)	Medium Duty (2,000 - 4,999 Lb.)	Heavy Duty (5,000 - 7,499 Lb.	Extra Heavy Duty (7,500 - 10,000 Lb.	Special Duty (Over 10,000 Lb.)

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ABBREVATIONS

(ABS)..... Acrylonitrile Butadienne Styrene
(ADF)..... Adjustable Extension
(Adj.)..... Adjustable
(AE) ..... Adjustable Deck Riser
(AEM) ..... Adjustable Deck Drain Riser
(ANSI)..... American National Standards Institute
(AR) ..... Acid Resistant Powder Coating
(ARC)..... Acid Resistant Coating
(ARE)..... Acid Resistant Enamel
(Alum.)..... Aluminum
(ASTM) ..... American Society for Testing and Materials
(ASME)..... American Society of Mechanical Engineers
(ASPE)..... American Society of Plumbing Engineers
(ASSE)..... American Society of Sanitary Engineers
(Assy) ..... Assembly
(AW) ..... Adjustable Water Regulator
(BWV)..... Backwater Valve
(BW) ..... Butt Weld
(CI)..... Cast Iron
(CO)..... Cleanout
(COF2)..... No-Hub Cleanout Ferrule (2")
(COF3)..... No-Hub Cleanout Ferrule (3")
(COF4)..... No-Hub Cleanout Ferrule (4")
(COF5)..... No-Hub Cleanout Ferrule (5")
(COF6)..... No-Hub Cleanout Ferrule (6")
(COF8)..... No-Hub Cleanout Ferrule (8")
(COT2)..... No-Hub Cleanout Tee (2")
(COT3)..... No-Hub Cleanout Tee (3")
(COT4)..... No-Hub Cleanout Tee (4")
(COT5)..... No-Hub Cleanout Tee (5")
(COT6)..... No-Hub Cleanout Tee (6")
(COT8)..... No-Hub Cleanout Tee (8")
(CF) ..... Carpet Flange
(CM)..... Carpet Marker
(CP) ..... Chrome Plated
(CRT)..... Hydrant Cartridge Repair Tool
(D)..... Overflow Dam
(Dbl.)..... Double
(DC)..... Double Adjust C.I. Strainerr
(Deg.)..... Degree
(DF) ..... Static Extension
(DFS)..... Perforated Extension
(DI)..... Ductile Iron
(DIA) ..... Deck Installation Assembly
(Dia.)..... Diameter
(DP) ..... Perforated Gravel Stop
(DCT)..... Decorative Top
(DSA)..... Down Spout Adapter
(DT) ..... Dex-O-Tex Flange
(DU)..... Distribution Unit
(DWV)..... Drainage, Waste & Vent
(E)..... Elastomeric Flange
(EB) ..... Deck Extension Pan
(EF4)..... 4" Diameter Funnel
(EF6)..... 6" Diameter Funnel
(EG6)..... 6" Elongated Funnel
(EG6)..... 8" Elongated Funnel
(EJ)..... Expansion Joint
(EPDM)..... Ethylene Propylene Diene Monomer
(F)..... Frame With Lugs
(FH) ..... Cradle Housing
(FHT) ..... Enclosed Cradle Housing
(FHMS)..... Flat Head Machine Screw
(FM)..... Flush Mount
(GPM)..... Gallons Per Minute
(GSC) ..... Integral Gas Seal Cone
(HD)..... Heavy Duty
(HDR) ..... Replacement Hydrant Rod
(HHMS)..... Hex Head Machine Screw
(HP) ..... Heel Proof
(I.D.)..... Inside Diameter
(IC)..... Inside Caulk
(In.) ..... Inches
(IPS) ..... Iron Pipe Size
(IPC) ..... International Plumbing Code
(LD)..... Light Duty
(LBV) ..... Less Backwater Valve
(Lb.) ..... Pound
(Lbs.) ..... Pounds
(LH)..... Left Hand
(LMV)..... Less Mixing Valve
(Max.) ..... Maximum
(Min.) ..... Minimum
(mm) ..... Millimeter
(NB) ..... Nickel Bronze
(NH)..... No-Hub
(No.)..... Number
(NPS)..... National Pipe Straight
(NPSH) ..... National Pipe Straight Hose
(NPT) ..... National Pipe Taper
(O.D.)..... Outside Diameter
(PB) ..... Polished Bronze
(PDI) ..... Plumbing & Drainage Institute
(PC) ..... Protective Cover
(PSI) ..... Pounds Per Square Inch
(PVC)..... Polyvinyl Chloride
(RB) ..... Rough Bronze
(RH)..... Right Hand
(RHP)..... Raised Head Plug
(RS) ..... Replacement Screen
(S)..... Square Top
(SD) ..... Special Duty
(SD) ..... Adjustable Internal Overflow Standpipe
(SO)..... 90 Degree Side Outlet
(SP) ..... Spigot
(SS) ..... Stainless Steel
(Sq.)..... Square
(Sq.In.)..... Square Inch
(Std)..... Standard
(SV) ..... Service Weight
(Thd.)..... Threaded
(VP) ..... Vandal Proof
(T)..... Recessed for Tile Cover (Round)
(TC) ..... Threaded Plug Cover
(TD) ..... Grate Supported Sediment Bucket
(TS)..... Recessed for Tile Cover (Square)
(TSD)..... Trap Seal Device (4405)
(TY)..... Ty-Seal (Push-On)
(U)..... Recessed for Terrazzo Cover (Round)
(UPC)..... Uniform Plumbing Code
(US) ..... Recessed for Terrazzo Cover (Square)
(VP) ..... Vandal Proof
(WCB)..... Water Control Box
(WK) ..... Hydrant Repair Kit
(WHRK) ..... Hydrant Repair Kit
(w/)..... With
(Wt.)..... Weight
(Wt.Lb.)..... Weight Pounds
(WP) ..... Component of Assembly
(XB) ..... Bariatric Rated
(XH) ..... Extra Heavy Duty
(XF)..... Extended Frame
(XT)..... Modular Extension
(Z)..... Ductile Iron Cover

Hydro-Flo Trench (Reference Current WHF Brochure for Detailed Specs, Options and Pricing)

You want a system that works for your project requirements. You need a solution that withstands it all – foot traffic, heavy loads, flow rate, the test of time. Hydro-Flo is manufactured for durability with features, like Epoxy-Coated frames and grates, mechanical overlaps, rebar clips, and combination anchor tabs and leveling devices.

We also factor in performance through form and function – depth for proper drainage, yet shallow installation, built-in molded slope for superior flow rates, heel-proof grating for foot traffic, non-porous internal surface for enhanced velocity

High Density Polyethylene (HDPE) - 4 ft long sections

• Durable • Chemical Resistant • Lightweight • Easy to Install

Carbon Steel (Armor Clad Coated) 6" & 12" Wide

Stainless Steel (304) 6" & 12" Wide

Various Grate Options

• Plastic (Various Colors)

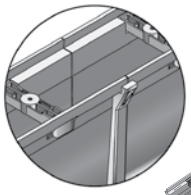
• Ductile Iron (Various Load Classes and Finishes)

• Stainless Steel (Fabricated and Investment Cast)

Integral Joint Lock

• Prevents joint movement during installation

• No extra clamps or screws required



Blank Grate Inserts

• Eliminates plywood

• Slides to overlap channel sections

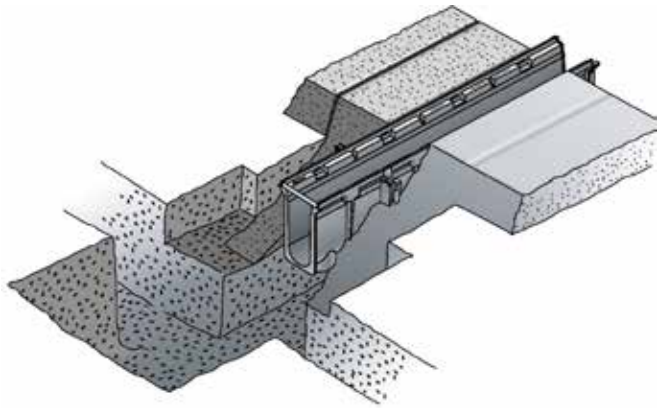
• Includes grate securing screws

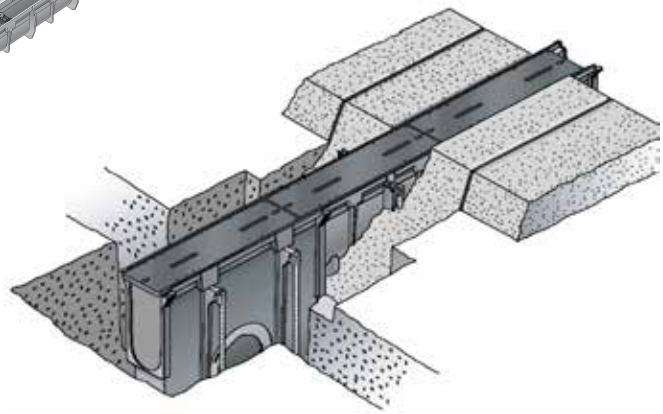
Built-In Slope

• 0.7% slope maintains optimum flow rates

• Neutral sections available (Non-Sloped)

• Sections available 4" to 12" deep





Bottom Outlet on Each Channel Section

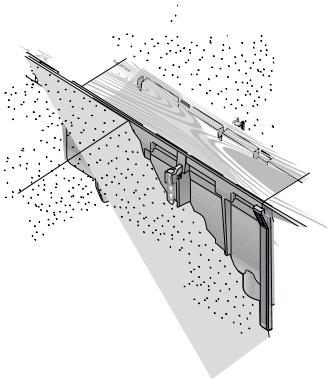
Provides system versatility and requires fewer accessories

Catch Basins (2 ft long)

Integral Re-Bar Supports

• Secure wire ties

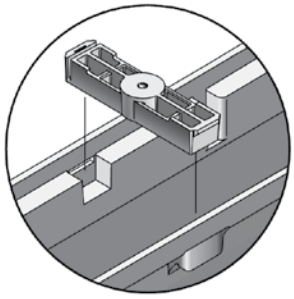
• Optional securing method - Self tapping screws



Locking System

• Locks grate into integral frame

• Supports during shipping and installations

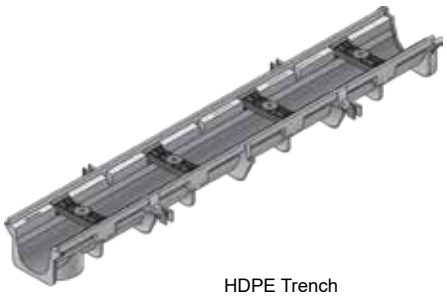


6" Wide



HDPE Catch Basin

6" Wide



HDPE Trench

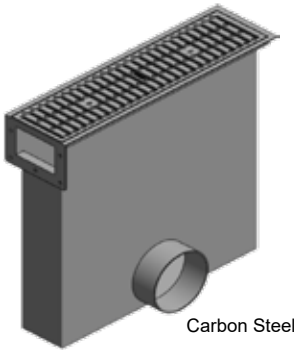
6" Wide





HDPE Radius Trac

6" Wide



Carbon Steel Catch Basin



Carbon Steel Trench
6" Wide Flat Bottom

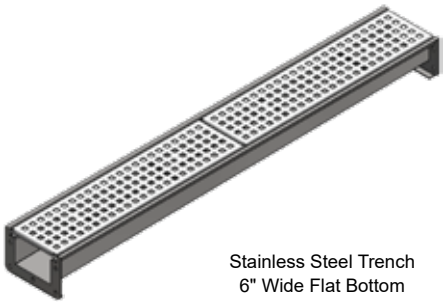


Carbon Steel Trench
6" Wide 'V' Bottom

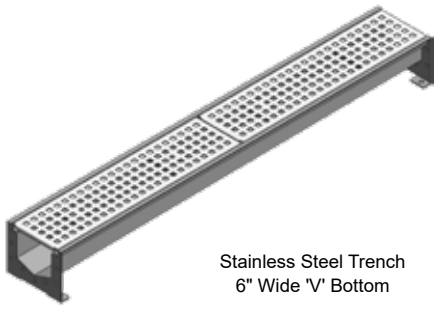
6" Wide



Stainless Steel Catch Basin

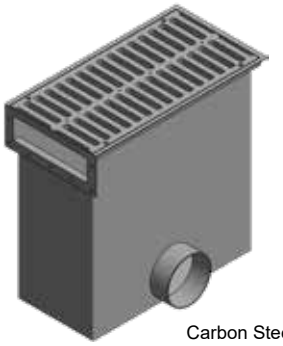


Stainless Steel Trench
6" Wide Flat Bottom



Stainless Steel Trench
6" Wide 'V' Bottom

12" Wide



Carbon Steel Catch Basin

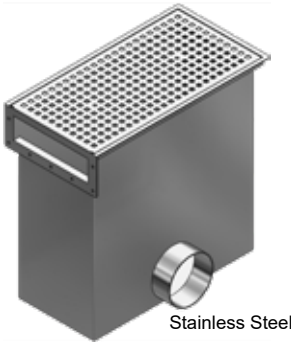


Carbon Steel Trench
12" Wide Flat Bottom

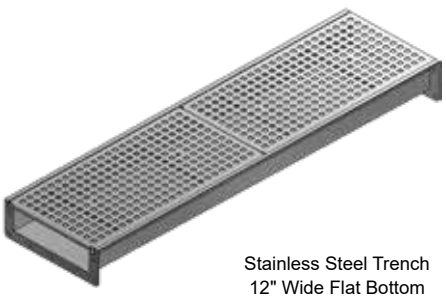


Carbon Steel Trench
12" Wide 'V' Bottom

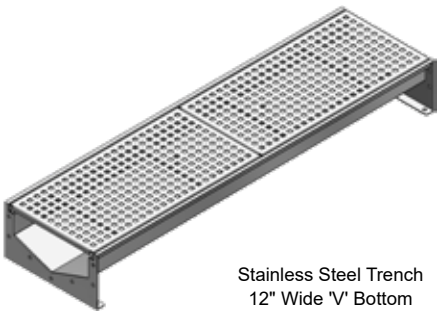
12" Wide



Stainless Steel Catch Basin



Stainless Steel Trench
12" Wide Flat Bottom



Stainless Steel Trench
12" Wide 'V' Bottom

Stainless Steel Drainage

(Reference Current WSS Brochure for Detailed Specs, Options and Pricing)

The many unique benefits provided by stainless steel make it an ideal candidate when selecting drains, grating, cleanouts and components.

Engineers, architects and designers often underestimate or overlook these values because of what is viewed as the higher initial cost of stainless steel. However, over the total life of a project, stainless is often the best value option for industrial and commercial projects.

WHAT IS STAINLESS STEEL?

Stainless steel is a low carbon steel which contains chromium at 10% or more by weight. It is this addition of chromium that gives the steel its unique stainless, corrosion resisting properties. The chromium content of the steel allows the formation of a tough, adherent, invisible, corrosion-resisting chromium oxide film on the steel surface. If damaged mechanically or chemically, this film is self-healing, provided that oxygen, even in very small amounts, is present.

Wade uses 304 and 316 grades of stainless steel. These grades are steel alloys with 17-25% Chromium and 8-25% Nickel. Typical uses for these grades include food equipment, chemical equipment and architectural applications.

BENEFITS OF STAINLESS STEEL

Corrosion resistance – lower-alloyed grades resist corrosion in atmospheric and pure water environments, while high-alloyed grades can resist corrosion in most acids, alkaline solutions, and chlorine bearing environments, properties which are utilized in process plants.

Fire and heat resistance – special high chromium and nickel-alloyed grades resist scaling and retain strength at high temperatures.

Hygiene and sanitation – the easy cleaning ability of stainless makes it the first choice for strict hygiene conditions, such as hospitals, restaurants, kitchens and food processing plants.

Aesthetic appearance – the bright, easily maintained surface of stainless steel provides a modern and attractive appearance.

Strength-to-weight advantage – the work-hardening property of austenitic grades results in a significant strengthening of the material from cold-working alone, and the high strength duplex grades allow for reduced material thickness over conventional grades, therefore reducing costs.

Ease of fabrication – modern steel-making techniques mean that stainless can be cut, welded, formed, machined, and fabricated as readily as traditional steels.

Impact resistance – the austenitic microstructure of the 300 series provides high toughness, from elevated temperatures to far below freezing, making these steels particularly suited to cryogenic applications.

Long term value – when the total life cycle costs are considered, stainless is often the least expensive material option.

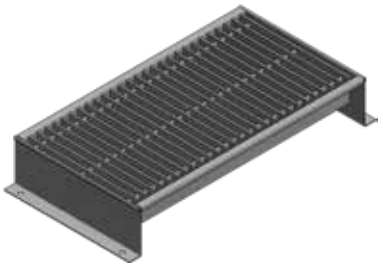
Floor and Area Drains



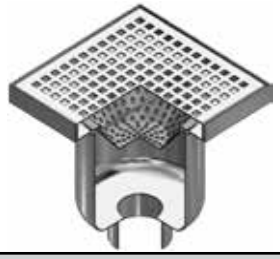
Cleanouts



Receptor Drains



Floor Sinks

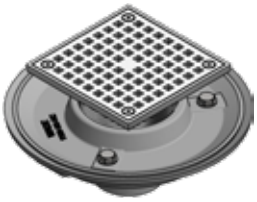
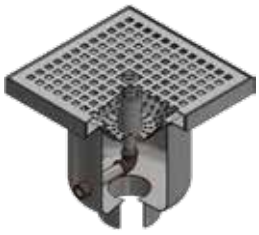
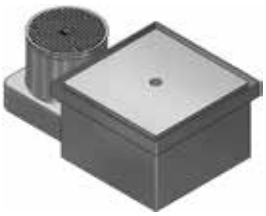
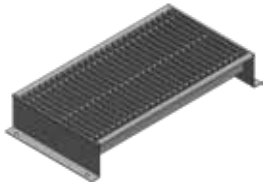
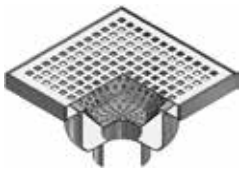
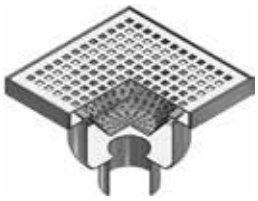
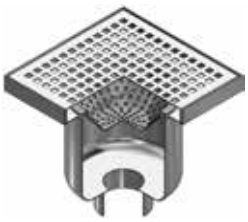
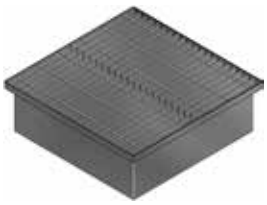
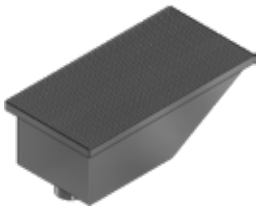


Kettle Drains



Elevator Threshold Drain



 Floor Drain 1100SS-A	 Floor Drain 1100SS-DT	 Floor Drain 1100SS-ER	 Floor Drain 1100SS-G	 Area Drain 1200SS
 Area Drain 1300SS	 Area Drain 1500SS	 Side Wall Pit Drain 1780SS	 Can Wash Drain 1970SS	 Industrial Drain 2070SS
 Cleanout 6100SS	 Cleanout 6100SS-R	 Cleanout 6100SS-S	 Cleanout 8200SS	 Open Site Drip Drain 9410SS
 Open Site Drip Drain 9440SS	 Floor Receptor 9530SS	 Elevator Threshold Drain 9535SS	 Floor Sink 9720SS	 Floor Sink 9730SS
 Floor Sink 9740SS	 Floor Sink 9750SS	 Kettle Drain 9790SS	 Kettle Drain 9792SS	 Kettle Drain 9793SS

Siphonic Roof Drainage Systems (the Engineered Solution)

Siphonic drainage systems use the effects of a siphon to achieve full-bore flows. Traditional gravity rainwater drainage requires a large volume of air to transport a small volume of water (2/3 Air - 1/3 Water).

A Siphonic Roof Drainage system utilises the full height of the building to provide the energy to create a powerful siphonic action. A collection of elements combine to create the Siphonic Roof Drainage System. The piping system is empty prior to a storm event.

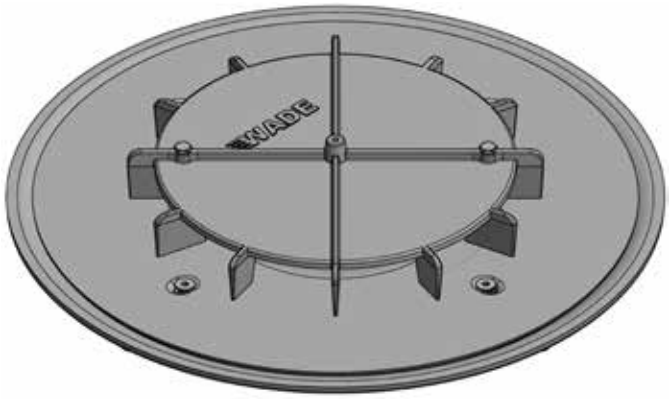
As the rainfall event starts, the Siphonic Roof Drain prevents air-entry into the pipework system using its Anti-Vortex fins to stop Vortex formation.

WADE utilizes an advanced analytical design software program to accurately size the pipework diameters necessary to rapidly fill and prime the piping system for optimised performance.

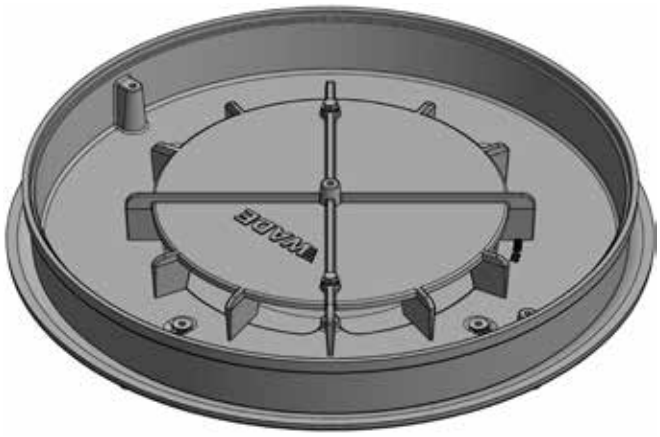
A Siphonic Roof Drainage System will utilise significantly smaller pipe diameters than required in a traditional gravity system. As the small diameter pipes prime and the water reaches the vertical downpipe, the water accelerates due to the forces of gravity. This acceleration creates the negative pressures that gives the system its siphonic action and it literally sucks the water off the roof until the rainfall event abates.

Benefits

- No Grade Required (All Horizontal Piping Installed Level)
- Self Scouring (Accelerated Flow Rates Clean the System)
- Increased Usable Building Space (Fewer Vertical Downpipes)
- Environmental Benifits (Controlled Flow, Controlled Discharge and Compatibility to Retention & Harvesting Systems)



WH-400
PRIMARY DRAIN



WH-401
OVERFLOW DRAIN

Catalog No. (Primary)	Catalog No. (Overflow)	Resistance Value (K)	Minimum Inflow (GPM)	Maximum Outflow (GPM)
WH-300	WH-301	0.12	23.0	415.0
WH-400	WH-401	0.08	75.0	750.0
WH-500	WH-501	0.04	120.0	1280.0
WH-600	WH-601	0.04	160.0	1820.0

Wade is a Leader In Siphonic Roof Drainage Systems with hundreds of successful installations in the United States and Canada.

Our Extensive Line of Siphonic Solutions is Cataloged in a Separate Brochure, plus we offer design assistance to the qualified design professional.

Please Contact your Local Wade Sales Representative for Details.

HYDRAULIC CALCULATION PROGRAM (Wade Drain Works)

Wade has developed the most comprehensive balancing software in the industry. Literally years of experience combined with thousands of man hours of development and some of the top names in the siphonic industry have contributed to create a technologically advanced engineering package.

This user friendly product allows the engineer to build the siphonic drainage system from the roof drain catchment areas to the below grade gravity system complete with pipe cut lengths, all fittings and couplings and in various piping materials selected.

The three dimensional package renders the layouts in exceptional quality in an easy to understand conceptual style that can be exported for inclusion in engineering plans. An accurate bill of material is automatically generated for accurate quotations.

Program Highlights

• Allows users to select their chosen units of measurement to draw, design and calculate in either metric or imperial (“English”) feet and inches.

• Readily accessible as a web based application - all users are using the latest version.

• Being web-based allows registered users access on any internet linked computer anywhere in the world and enables our Technical Support Team to assist with any design assistance.

• Independently tested by ????????? - it offers extreme precision through reporting of hydraulic conditions.

• You can rest assured that the hydraulic calculations will result in a successful siphonic drainage system when the pipe system is installed to the design.

• Our 100% success rate is testament to our leading position in siphonic drainage systems.

• Gives the design engineer the tools to edit pipe systems as required to accomodate real-life on-site change requirements.

How It Works

After the Design Engineer has determined design rainfall rate and calculated roof areas, they should determine roof drain positions and volume of water for each drain. From this point the designer will sketch these pipe routes into Wade Drain Works.

Wade Drain Works then calculates the pipe diameters required to meet the hydraulic perimeters of the chosen local design standard or code (the most advanced standards such as BS 8490:2007 or ASPE Technical Design Standard 45 are most commonly used).

When completed, a Pass/Fail will be calculated. Based on the data provided the system can tweaked for optimal performance.

Training

Wade offers a range of training programs to suit you and your company.

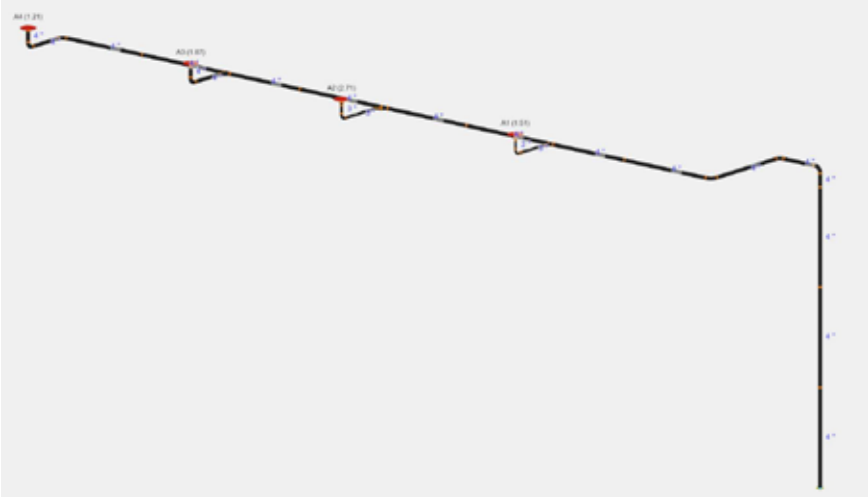
From 1 on 1 to large audiences, we will be pleased to discuss training requirements with you. Some of the topics we can cover include:

• Introduction to Siphonic Drainage - Explanation of how a siphonic drainage system works
• History of Siphonic Drainage
• Understanding the Hydraulic principles of Gravity Drainage
• Understanding the Hydraulic principles of Siphonic Drainage
• Introduction to published standards (tailored to your particular maket)
• Hydraulic Parameters to be met within the analytical design program (to comply with local standards)
• Hands-on training on use of the analytical design program
• Piping Details - Do’s and Don’ts
• System Termination and Venting Requirements

HYDRAULIC CALCULATION PROGRAM (Wade Drain Works)

Project Details

Project	Dec Test
Sys. Identifier	Test
Location	Texas
User	John Rohrer
Rainfall Rate	3.00 inch/h



Design Parameters

Min Pressure	-23.762 ft
Max Pressure	0.377 ft
Min Stack Velocity	15.319 ft/s
Min Velocity	3.830 ft/s
Max Velocity	15.950 ft/s
Overall Imbalance	1.508 ft/s
Fill time	7.185 sec
Available Head	33.993 ft
Head Loss Check	PASS
Residual Head Check	PASS
Final Diameter Check	PASS
Pass/Fail	PASS

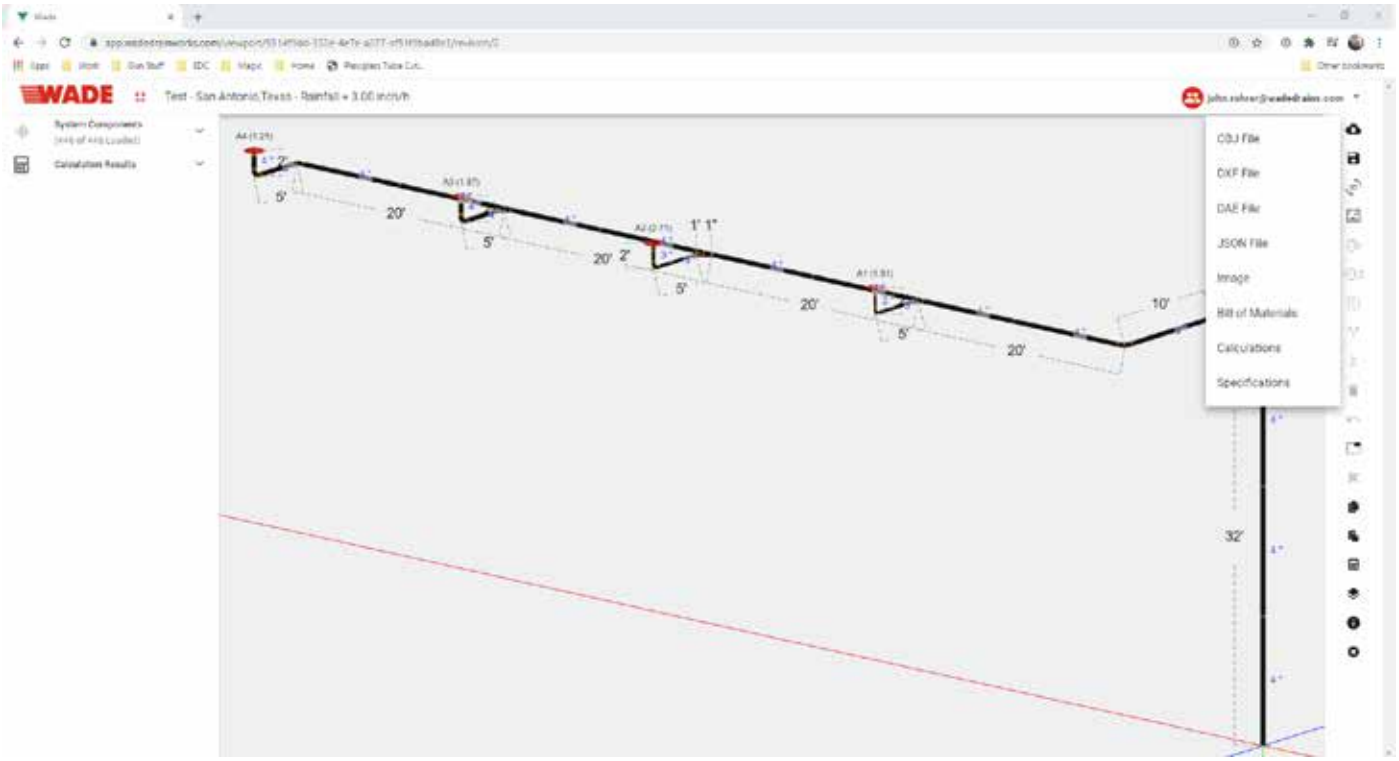
Tail Pipes

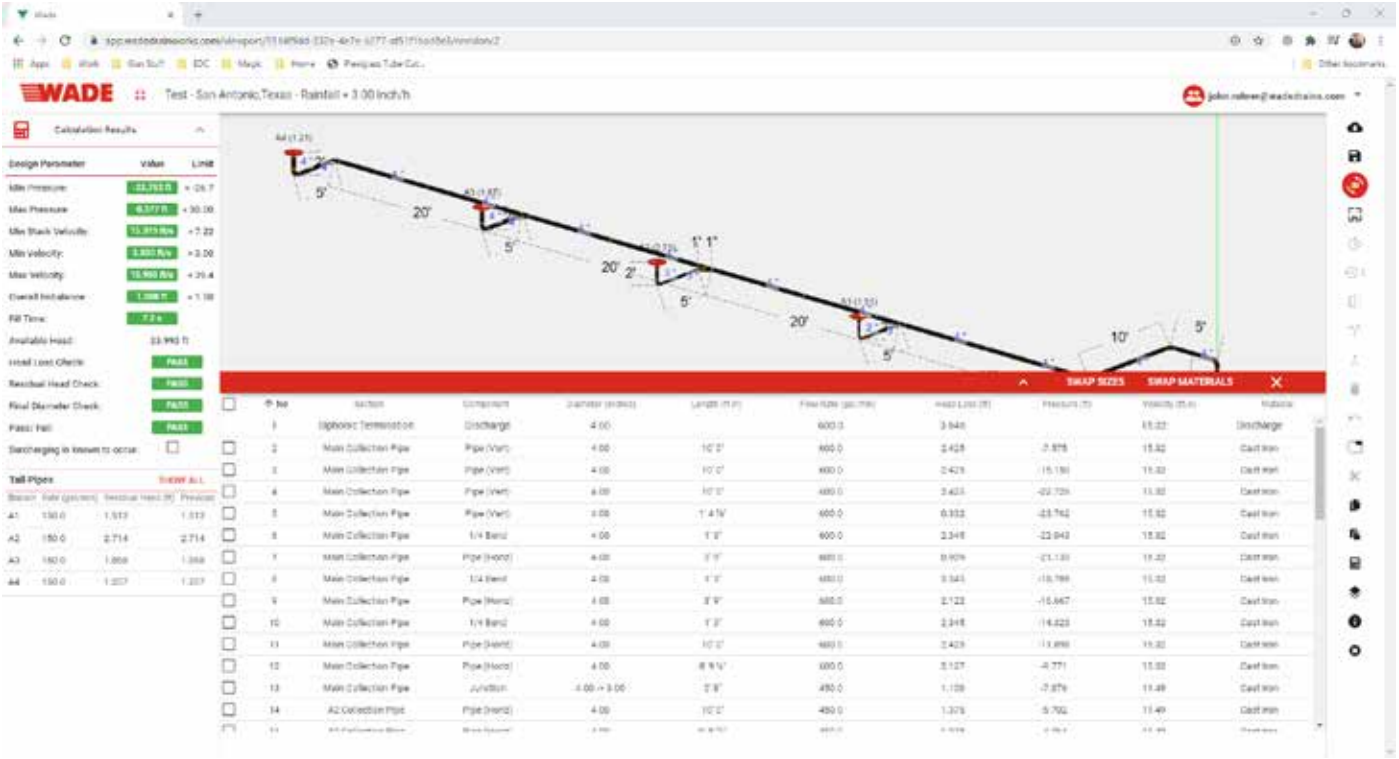
Name	Flow Rate (gal/min)	Residual Head
A4	150.000 gal/min	1.207 ft
A3	150.000 gal/min	1.868 ft
A2	150.000 gal/min	2.714 ft
A1	150.000 gal/min	1.513 ft

Siphonic Components

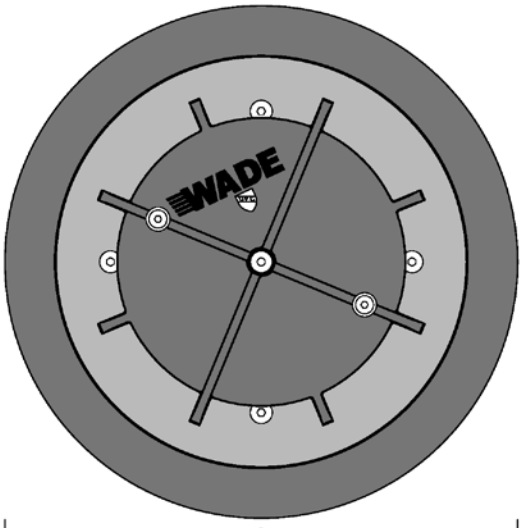
Section	Component	Length (ft)	Height (ft)	Diameter	Rate (gal/min)	Head Loss (ft)	Pressure (ft)	Velocity (ft/s)	Material
Siphonic Termination	Discharge			4.00"	600.00	3.646'		15.32	Discharge
Main Collection Pipe	Pipe (Vert)	10' 0"	10' 0"	4.00"	600.00	2.425'	-7.575'	15.32	Cast Iron
Main Collection Pipe	Pipe (Vert)	10' 0"	10' 0"	4.00"	600.00	2.425'	-15.150'	15.32	Cast Iron
Main Collection Pipe	Pipe (Vert)	10' 0"	10' 0"	4.00"	600.00	2.425'	-22.726'	15.32	Cast Iron
Main Collection Pipe	Pipe (Vert)	1' 4⅜"	1' 4⅜"	4.00"	600.00	0.332'	-23.762'	15.32	Cast Iron
Main Collection Pipe	1/4 Bend	1' 3"	0' 7½"	4.00"	600.00	2.345'	-22.043'	15.32	Cast Iron
Main Collection Pipe	Pipe (Horiz)	3' 9"		4.00"	600.00	0.909'	-21.133'	15.32	Cast Iron
Main Collection Pipe	1/4 Bend	1' 3"		4.00"	600.00	2.345'	-18.789'	15.32	Cast Iron
Main Collection Pipe	Pipe (Horiz)	8' 9"		4.00"	600.00	2.122'	-16.667'	15.32	Cast Iron
Main Collection Pipe	1/4 Bend	1' 3"		4.00"	600.00	2.345'	-14.323'	15.32	Cast Iron
Main Collection Pipe	Pipe (Horiz)	10' 0"		4.00"	600.00	2.425'	-11.898'	15.32	Cast Iron
Main Collection Pipe	Pipe (Horiz)	8' 9¼"		4.00"	600.00	2.127'	-9.771'	15.32	Cast Iron
Main Collection Pipe	Junction	0' 8"		4.00"	450.00	1.100'	-7.076'	11.49	Cast Iron
A1 Tail Pipe	Branch	0' 8½"		3.00"	150.00	-0.137'	-5.923'	6.99	Cast Iron
A1 Tail Pipe	Pipe (Horiz)	3' 5½"		3.00"	150.00	0.262'	-5.660'	6.99	Cast Iron
A1 Tail Pipe	Reducer	0' 3½"	0' 0"	3.00" -> 2.00"	150.00	1.358'	-7.494'	15.95	Cast Iron
A1 Tail Pipe	1/4 Bend	1' 1"	0' 6½"	2.00"	150.00	2.916'	-5.120'	15.95	Cast Iron
A1 Tail Pipe	Pipe (Vert)	0' 10"	0' 10"	2.00"	150.00	0.538'	-5.411'	15.95	Cast Iron
A1 Tail Pipe	Reducer	0' 4"	0' 4"	4.00" -> 2.00"	150.00	1.651'	-4.093'	15.95	Cast Iron
A1 Tail Pipe	Roof Drain (A1)	0' 3½"	0' 3½"	4.00"	150.00	0.023'	-0.118'	3.83	Coated Cast Iron
A2 Collection Pipe	Pipe (Horiz)	10' 0"		4.00"	450.00	1.375'	-5.702'	11.49	Cast Iron
A2 Collection Pipe	Pipe (Horiz)	9' 8⅛"		4.00"	450.00	1.338'	-4.364'	11.49	Cast Iron
A2 Collection Pipe	Junction	0' 9½"		4.00"	300.00	0.867'	-2.357'	7.66	Cast Iron
A2 Tail Pipe	Branch	0' 7⅛"		4.00"	150.00	0.090'	-1.584'	3.83	Cast Iron
A2 Tail Pipe	Reducer	0' 4"	0' 0"	4.00" -> 3.00"	150.00	0.173'	-1.943'	6.99	Cast Iron
A2 Tail Pipe	1/8 Bend	0' 4"	0' 0"	3.00"	150.00	0.238'	-1.705'	6.99	Cast Iron
A2 Tail Pipe	Pipe (Horiz)	4' 3"		3.00"	150.00	0.322'	-1.382'	6.99	Cast Iron
A2 Tail Pipe	1/4 Bend	1' 2"	0' 7"	3.00"	150.00	0.514'	-1.452'	6.99	Cast Iron
A2 Tail Pipe	Pipe (Vert)	0' 9½"	0' 9½"	3.00"	150.00	0.060'	-2.180'	6.99	Cast Iron
A2 Tail Pipe	Reducer	0' 4"	0' 4"	4.00" -> 3.00"	150.00	0.179'	-2.335'	6.99	Cast Iron
A2 Tail Pipe	Roof Drain (A2)	0' 3½"	0' 3½"	4.00"	150.00	0.023'	-1.552'	3.83	Coated Cast Iron
A3 Collection Pipe	Pipe (Horiz)	10' 0"		4.00"	300.00	0.620'	-1.737'	7.66	Cast Iron
A3 Collection Pipe	Pipe (Horiz)	8' 7⅛"		4.00"	300.00	0.536'	-1.201'	7.66	Cast Iron
A3 Collection Pipe	Junction	0' 9½"		4.00"	150.00	0.375'	-0.143'	3.83	Cast Iron
A3 Tail Pipe	Branch	0' 10"		4.00"	150.00	0.176'	0.034'	3.83	Cast Iron
A3 Tail Pipe	Pipe (Horiz)	3' 6½"		4.00"	150.00	0.057'	0.091'	3.83	Cast Iron

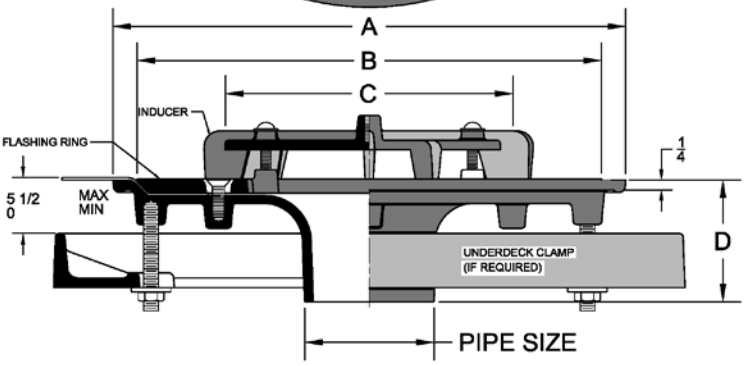
HYDRAULIC CALCULATION PROGRAM (Wade Drain Works)

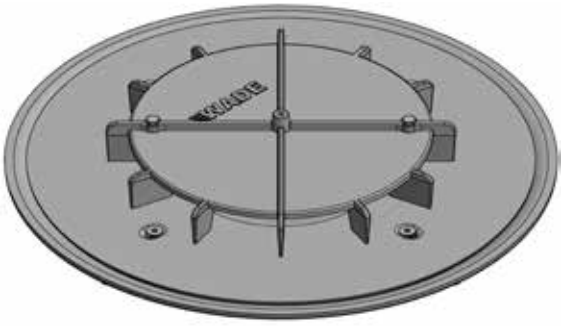




WH-300,WH-400,WH-500,WH-600 Large Area Primary Siphonic Roof Drain







WH-400-4NH

Contact Wade or your local sales representative for design assistance and pricing.

Catalog Number	Pipe Size	Dimensions (In.)				Resistance Value (K)	Minimum Inflow (GPM)	Maximum Inflow (GPM)	Wt. Lbs.
		A	B	C	D				
WH-300	3”	13	11 3/4	7 1/4	3 1/8	0.12	23.0	415.0	
WH-400	4”	19 3/8	17 7/8	10 5/8	3 1/2	0.08	75.0	750.0	
WH-500	5”	19 3/8	17 7/8	12 1/4	4 3/8	0.04	120.0	1280.0	
WH-600	6”	25 1/4	22 1/4	15 1/2	4 3/4	0.04	160.0	1820.0	

Regularly Furnished: Painted cast iron primary siphonic roof drain with flange, membrane clamp, inducer and no-hub bottom outlet.

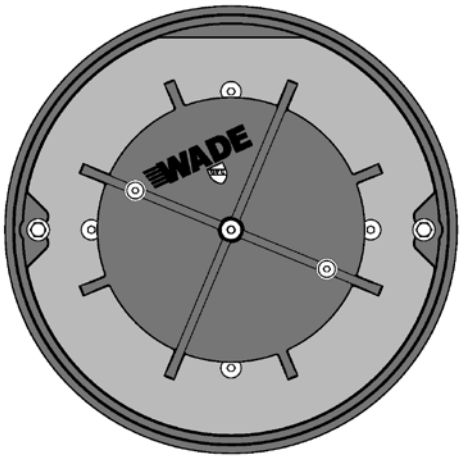
Outlet Variations	
Type	**Designation**
No-Hub	3NH,4NH,5NH,6NH

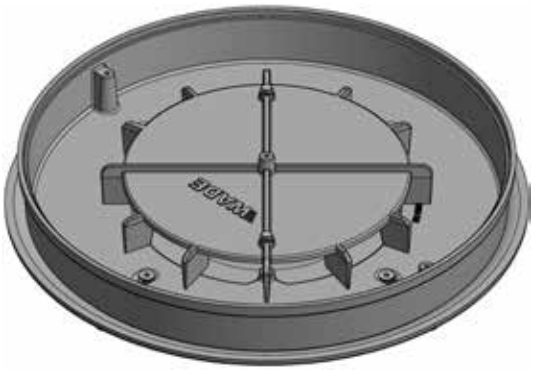
Optional Extensions & Drain Risers	
Suffix	**Description**
EB	Adjustable Drain Riser Pan *

* *Dimensions vary from illustration*

Suffix Options		
Suffix	**Description**	
ARC	Acid Resistant Coating (ArmorClad)	
DP	Perforated Stainless Steel Gravel Stop *	
DG	Debris Guard	
5	Vandal Proof Top	
39	Galvanized Cast Iron	3”
		4”
		5”
		6”
52	Bearing Pan (Sump Receiver) *	
53	Under Deck Clamp *	
189	Bearing Pan w/ Securing Hardware *	

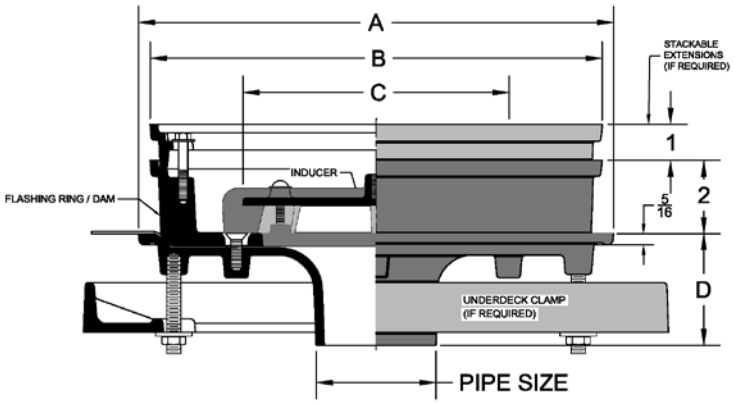
WH-301,WH-401,WH-501,WH-601 Large Area Overflow Siphonic Roof Drain





WH-401-4NH

Contact Wade or your local sales representative for design assistance and pricing.



Catalog Number	Pipe Size	Dimensions (In.)				Resistance Value (K)	Minimum Inflow (GPM)	Maximum Inflow (GPM)	Wt. Lbs.
		A	B	C	D				
WH-301	3”	13	11 3/4	7 1/4	3 1/8	0.12	23.0	415.0	
WH-401	4”	19 3/8	17 7/8	10 5/8	3 1/2	0.08	75.0	750.0	
WH-501	5”	19 3/8	17 7/8	12 1/4	4 3/8	0.04	120.0	1280.0	
WH-601	6”	25 1/4	22 1/4	15 1/2	4 3/4	0.04	160.0	1820.0	

Regularly Furnished: Painted cast iron primary siphonic roof drain with flange, membrane clamp, overflow dam, inducer and no-hub bottom outlet.

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	3NH,4NH,5NH,6NH	N/C

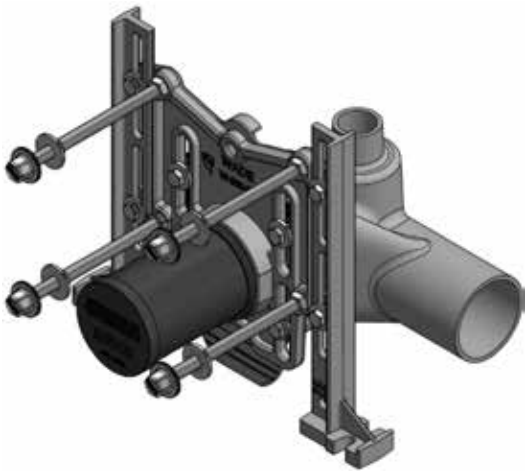
Optional Drain Risers		
Suffix	**Description**	**Add**
EB	Adjustable Drain Riser Pan *	P.O.A.

* *Dimensions vary from illustration*		
Suffix Options		
Suffix	**Description**	
ARC	Acid Resistant Coating (ArmorClad)	
DP	Perforated Stainless Steel Gravel Stop *	
DG	Debris Guard	
EA	Stackable Dam Extension (1” High)	
5	Vandal Proof Top	
39	Galvanized Cast Iron	3”
		4”
		5”
		6”
52	Bearing Pan (Sump Receiver) *	
53	Under Deck Clamp *	
189	Bearing Pan w/ Securing Hardware *	

FIXTURE SUPPORTS

Index

Application	Product Recommendation
Water Closet Carriers (Commercial)	311, 311HD, 311, 311XB, 311XH, 330, 330HD, 330XB, 330XH, 350, 360
Penal Fixture Fittings	361
Water Closet Carriers (Residential)	380, 397
Urinal Carriers	401, 402, 640
Drinking Fountain / Water Cooler Carriers	403
Lavatory & Sink Carriers	404, 461, 462, 510, 520, 525, 530, 571, 572, 573, 610, 620, 630, 640
Clinical / Service Sink Carriers	610, 620, 630, 640



How To Specify



311-NL4-AM1

Series Number (Required)

Connection Type & Size (Required)

Miscellaneous Options (As Needed)

403-M3

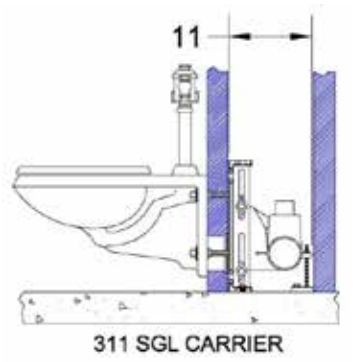
Series Number (Required)

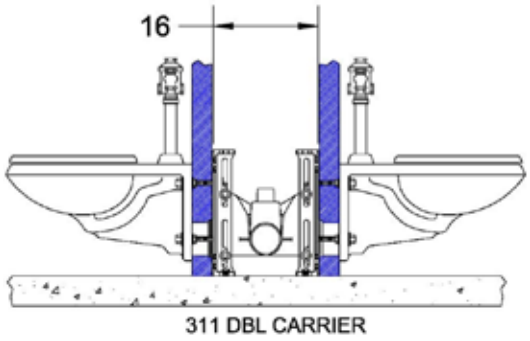
Miscellaneous Options (As Needed)

ASME Load Ratings

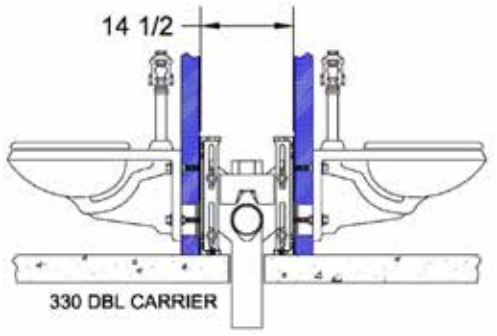
Wade fixture supports meet ASME A112.6.1M Floor-Affixed Supports For Off-The-Floor Plumbing Fixtures For Public Use. Refer to individual item pages for load classifications. Note: Some Fixture Supports may exceed ASME load ratings. If job requirements exceed the rated classification, contact factory for recommendations. For HD, XH & XB supports, the test procedure outlined in ASME A112.6.1M was followed using the stated loads and meets the deflection limits outlined in the standard.

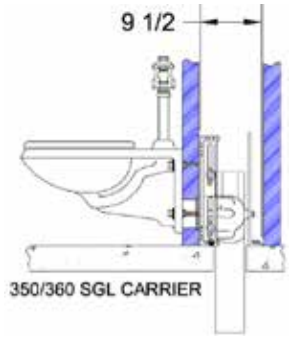
Minimum Wall Thickness

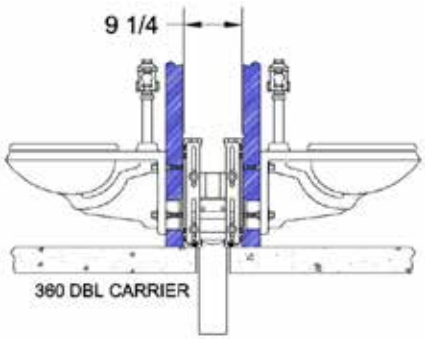










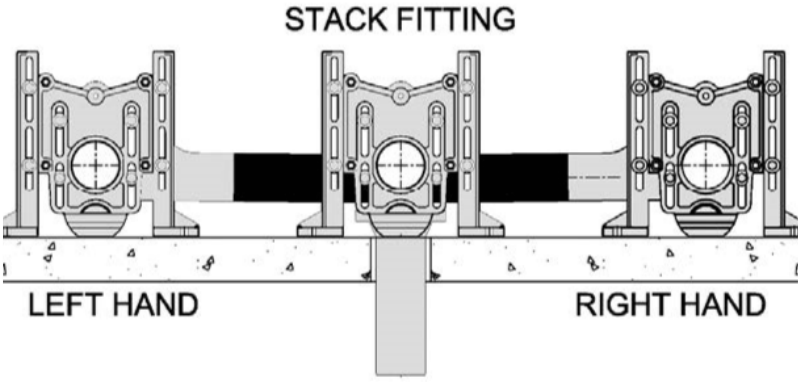


Determination of Left / Right Hand

Stand facing the fixtures.

If flow is from the right, Wade horizontal fittings are right-hand.

If flow is from the left, Wade horizontal fittings are left-hand.

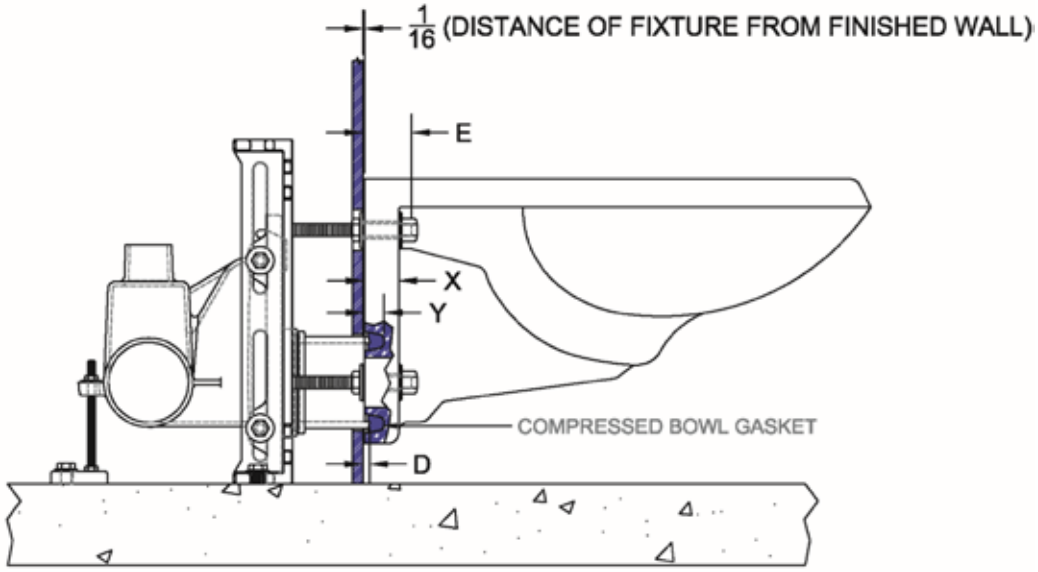


FIXTURE SUPPORTS

Carrier - Technical Data

Determination of Coupling, Fixture Support Studs and Fixture Distances from Finished Wall

To insure a tight seal at the outlet of a wall mount water closet, the front end of the coupling should extend enough to compress the neoprene gasket adequately when the fixture is in the desired location. This dimension will vary depending upon the depth of recess (Dimension Y) in the fixture. The following formulas may be used to determine the correct amount of coupling which should extend in front of the finished wall (Dimension D) as well as the amount of support stud which should extend through for proper installation (Dimension E).



Formula for Dimension 'D' (Distance the closet coupling should extend beyond the finished wall)

D = Y + 1/16 - 1/2

Formula for Dimension 'E' (Distance the fixture support studs should extend beyond the finished wall)

E = X + 1/16 + 5/8

Y = Depth of Recess of the Fixture Horn

X = Thickness of Fixture Wall Flange

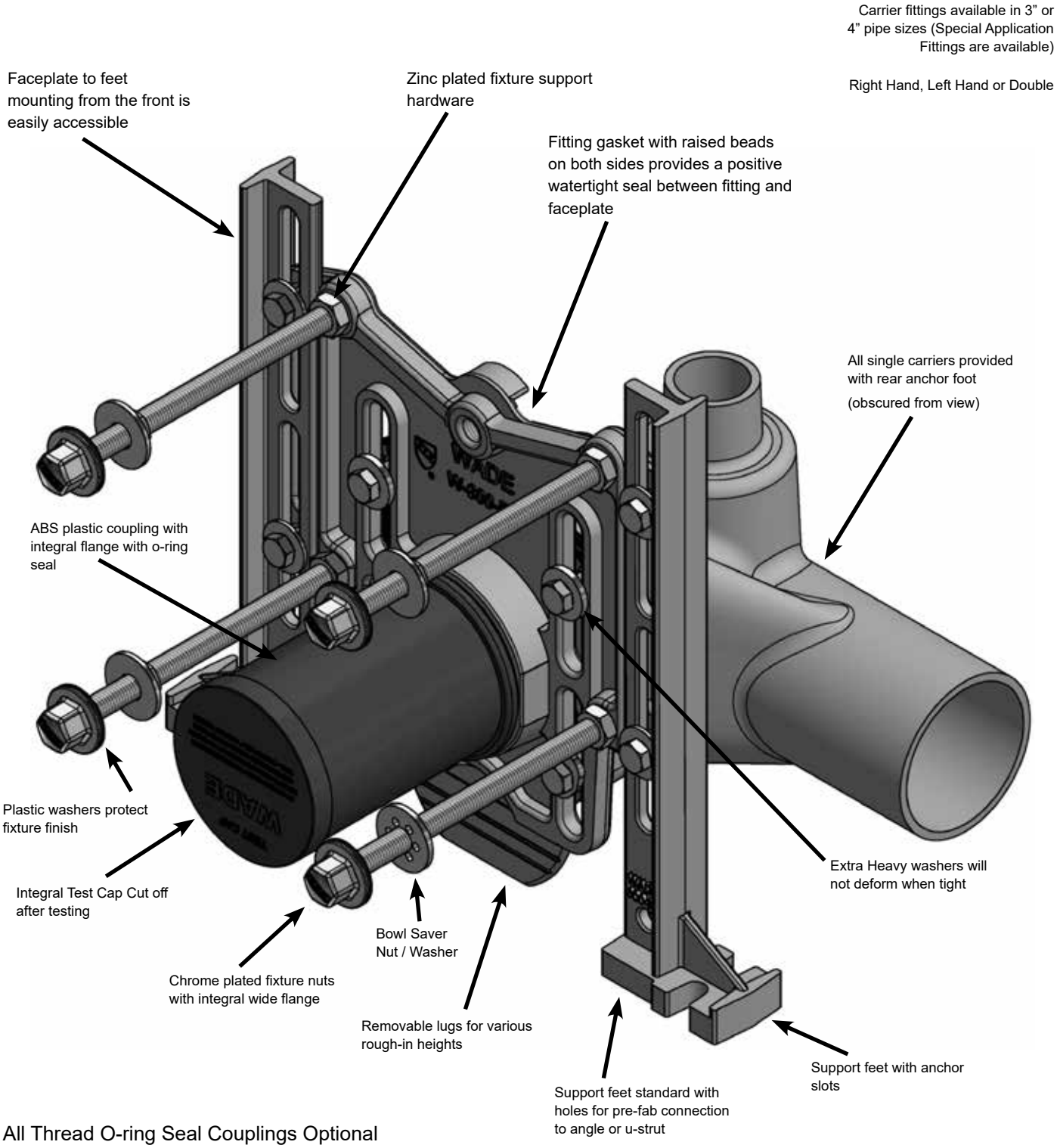
1/16" = Distance Fixture Should Be Located From Finished Wall
(This allows for a bead of flexible sealant around the fixture flange)

Allowance for Concealed Flush Valves

When wall mount fixtures with rear inlet supply spuds are installed with concealed flush valves, location of the faceplate behind the wall is important. Siphon Jet fixtures allow for the supply line to be located as desired because the supply line will clear the top of the face plate and vent piping. Blow-Out installations require that the faceplate be located behind the supply piping.

General Product Information

311-NL (Adjustable Horizontal Water Closet Carrier)



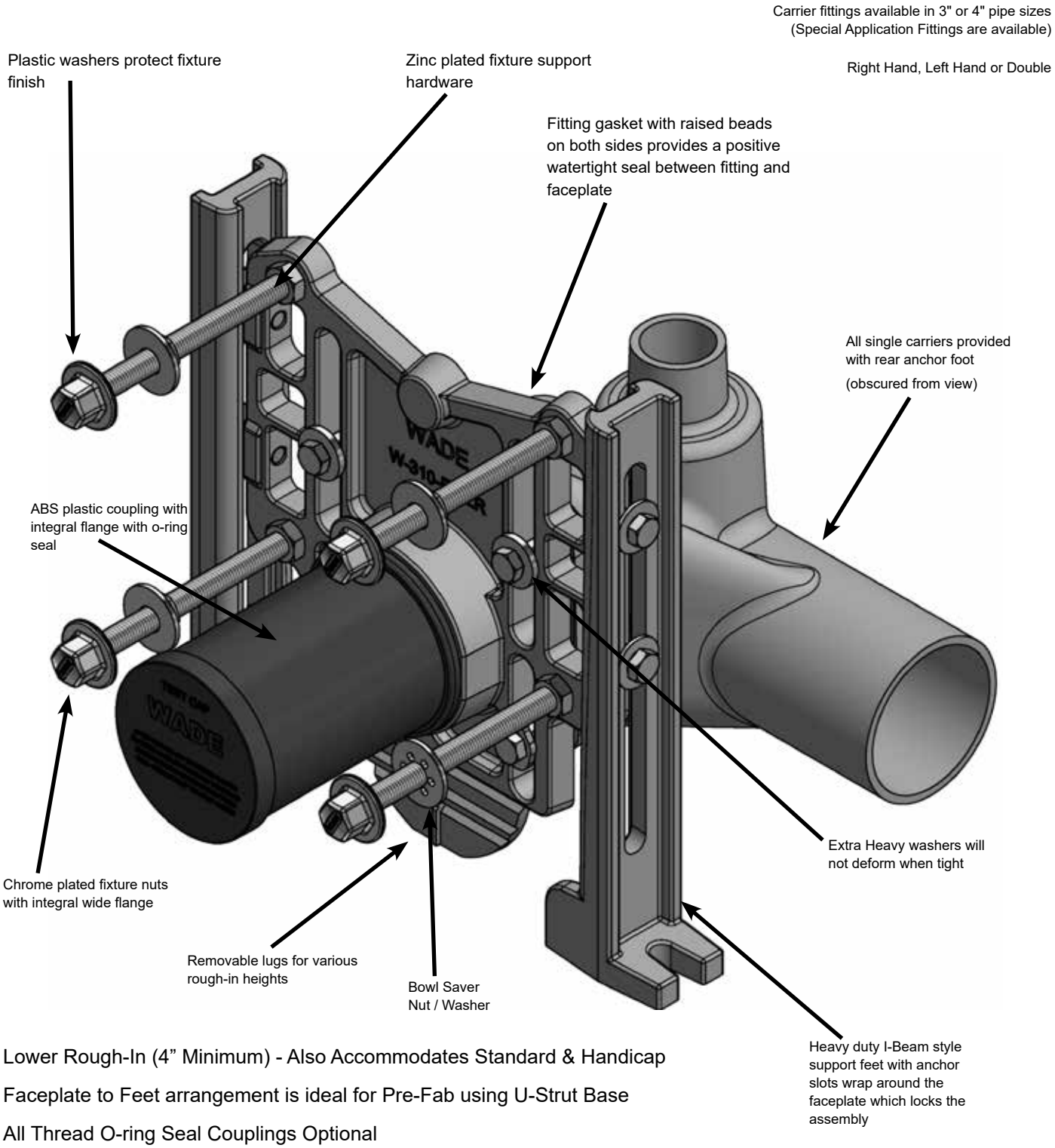
All Thread O-ring Seal Couplings Optional

Standard 7” Long Coupling (Longer Units Optional)

ASME Load Rating—300 Lb.

General Product Information

311LR-NL (Adjustable Horizontal Water Closet Carrier) Low Rough-In & Pre-Fab



Lower Rough-In (4” Minimum) - Also Accommodates Standard & Handicap

Faceplate to Feet arrangement is ideal for Pre-Fab using U-Strut Base

All Thread O-ring Seal Couplings Optional

Standard 7” Long Coupling (Longer Units Optional)

ASME Load Rating—300 Lb.

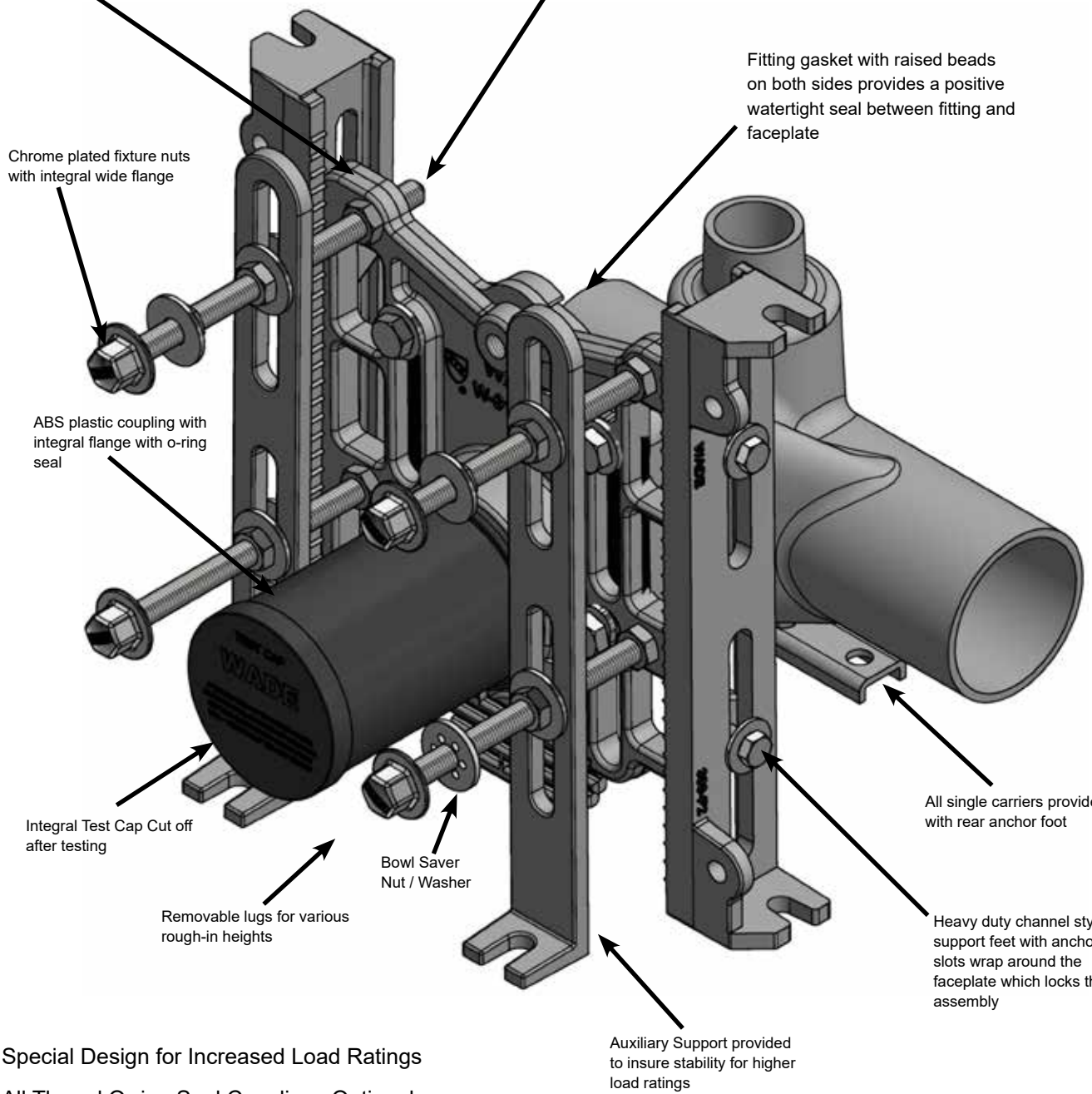
General Product Information

311 (HD, XH or XB) -NL Adjustable Horizontal Water Closet Carrier

Carrier fittings available in 3” or 4” pipe sizes

(Special Application Fittings are available)

Right Hand, Left Hand or Double



Special Design for Increased Load Ratings

All Thread O-ring Seal Couplings Optional

Standard 7” Long Coupling

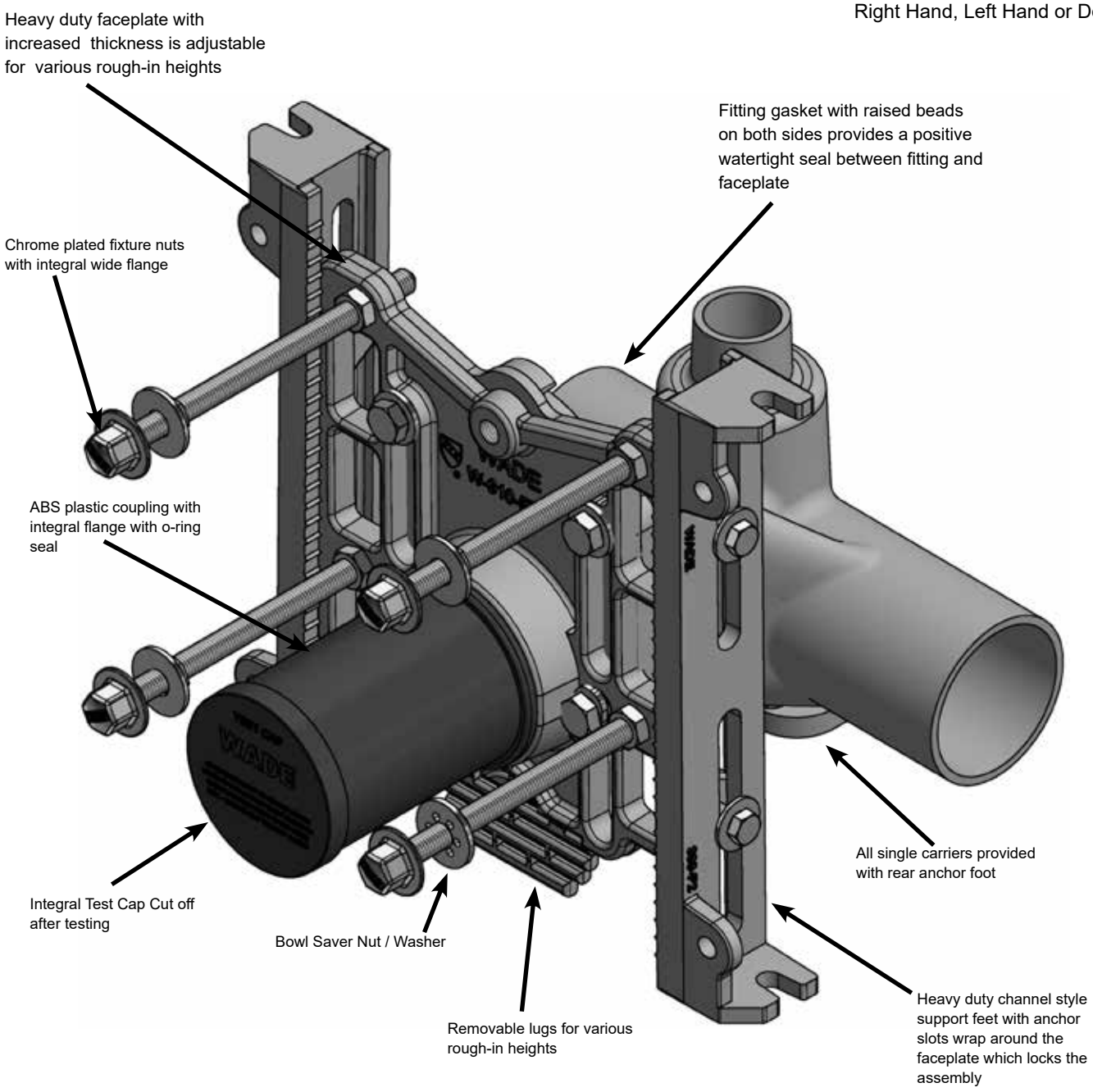
ASME Load Rating—(HD) 500 Lb. / (XH) 750Lb. / (XB) 1000 Lb.

General Product Information

311-PF-NL Adjustable Horizontal Water Closet Carrier (Pre-Fab & BAA)

Carrier fittings available in 3” or 4” pipe sizes (Special Application Fittings are available)

Right Hand, Left Hand or Double



Robust Design for Increased Load Ratings

All Thread O-ring Seal Couplings Optional

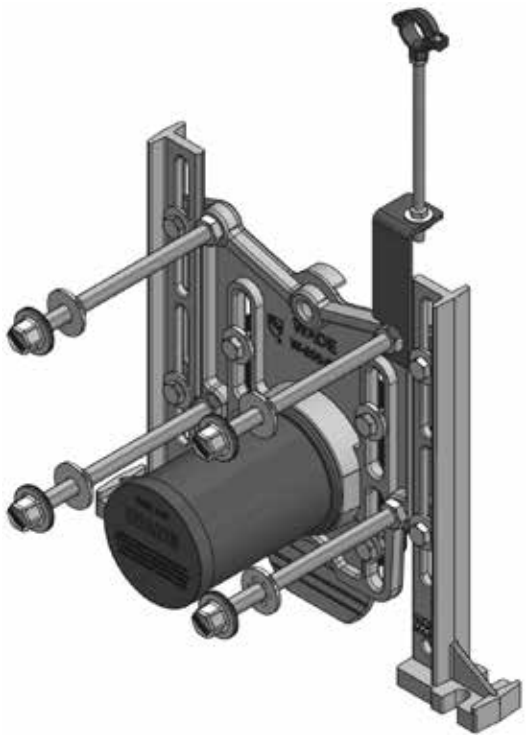
Standard 7” Long Coupling

ASME Load Rating—500 Lb. (4” Dimension from Faceplate to Finish Wall)

AM1 Flush Valve Piping Support Kit

Regularly Furnished: Painted steel bracket with zinc plated hardware and hinged pipe clamp. Fits 1" copper pipe. Connects to upper fixture support rod for precise location of flush valve pipe.

Kit does not include faceplate, coupling package or carrier fitting.

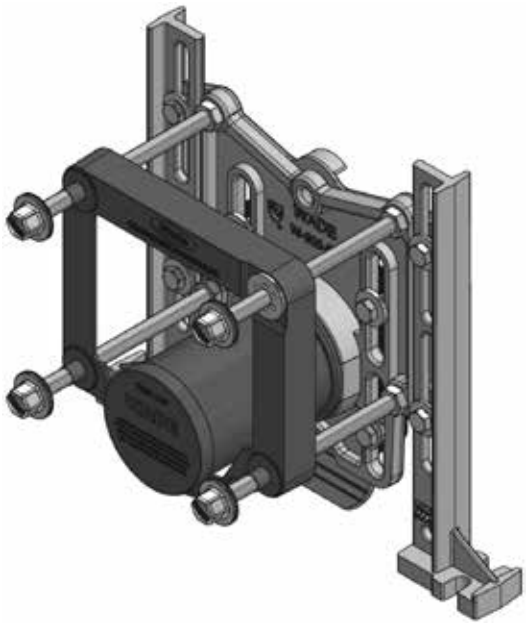


Suffix Options				
Suffix	**Description**		**List Price**	**Wt. Lbs.**
AM1	Flush Valve Support	Sgl.	$ 122.00	1.3
		Dbl.	244.00	2.6

AM21 Flush Frame for Siphon Jet System

Regularly Furnished: ABS plastic finish frame with securing sleeves. Mounts on fixture support studs and is positioned at the finish wall line to provide tile finishers a guide for tiling.

Does not include faceplate, coupling package or carrier fitting.



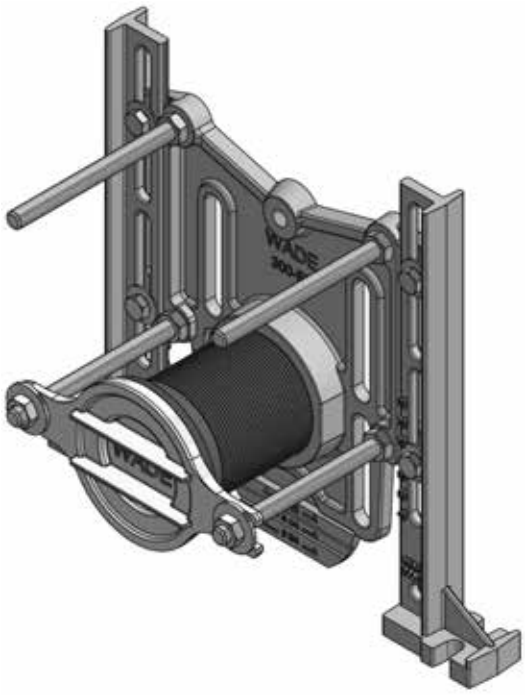
Suffix Options				
Suffix	**Description**		**List Price**	**Wt. Lbs.**
AM21	Tiling Flange	Sgl.	$ 116.00	0.7
		Dbl.	232.00	1.4

AM22 Test Cap

Regularly Furnished: Cast aluminum test cap with neoprene sponge gasket. Mounts directly on the bottom two carrier fixture studs on the same centerline with the closet coupling. It assures a watertight seal at the coupling for system testing. Recommended on optional cast iron couplings (M26). Reusable.

Does not include faceplate, coupling package or carrier fitting.



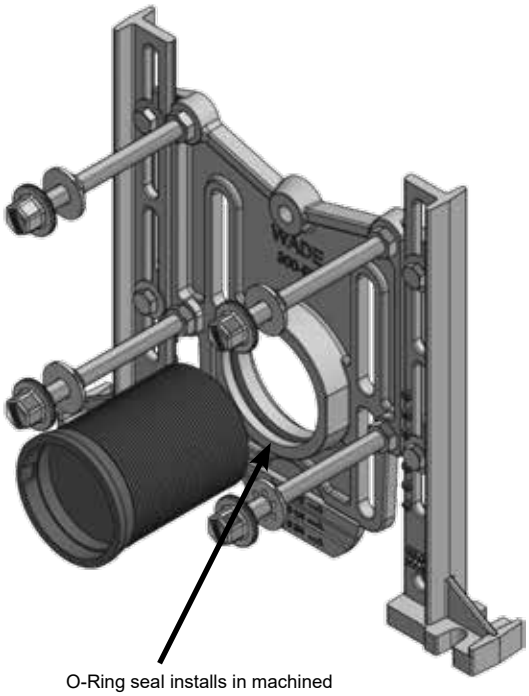


Suffix Options				
Suffix	**Description**		**List Price**	**Wt. Lbs.**
AM22	Test Cap	Sgl.	$ 150.00	4.0
		Dbl.	300.00	8.0

FPO Adjustable All Thread Closet Coupling (ABS) Package

Regularly Furnished: ABS plastic closet all thread coupling with bell end, wrench adjustment lugs, integral knock-out test cap and 4" NPSM straight threaded connection. Includes o-ring, fixture support studs and finish hardware.

Package does not include faceplate or carrier fitting.



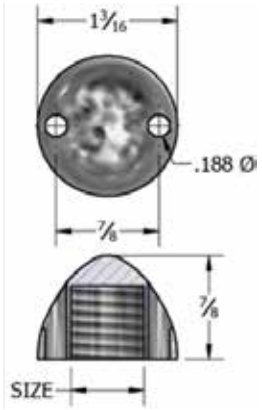
Suffix Options				
Suffix	**Description**		**Add**	**Wt. Lbs.**
FPO	Adjustable All Thread ABS Coupling		N/C	2.0
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	$ 278.00	3.2
		Dbl.	556.00	6.4

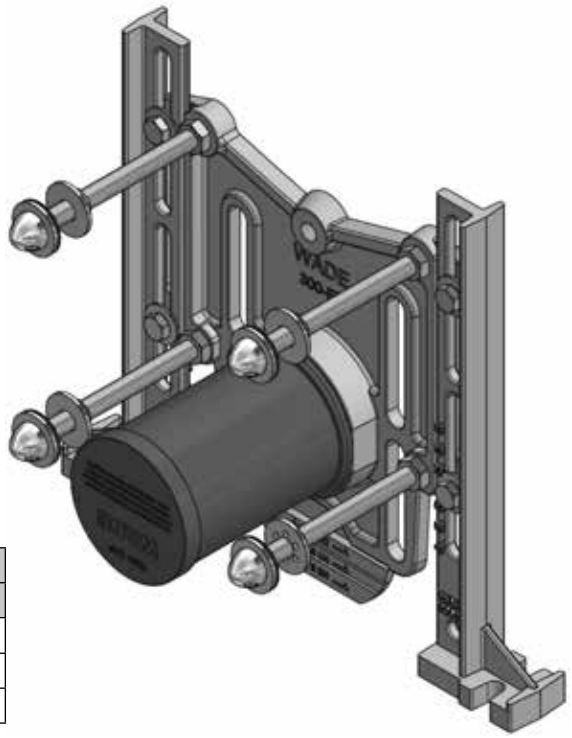
M3 Vandal Proof Cap Nut Kit

Regularly Furnished: Chrome plated bullet spanner type fixture nuts. Replaces the standard hex cap nuts for high security areas such as prisons or mental health institutions. Requires special wrench for installation (M5).



M5 Spanner Wrench



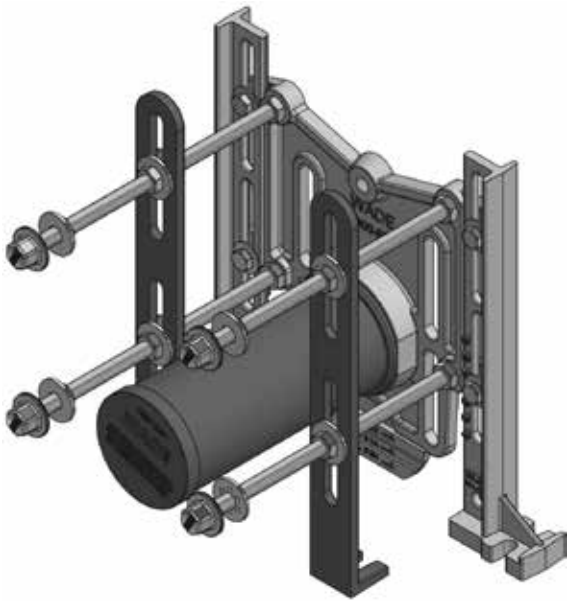


Suffix Options				
Suffix	**Description**		**List Price**	**Wt. Lbs.**
M3	Vandal Proof Cap Nut Kit	Sgl.	$ 185.00	.05
		Dbl.	370.00	1.0
M5	Spanner Wrench		205.00	0.2

M4 Rod Support Feet Kit

Regularly Furnished: Painted cast iron brackets with zinc plated hardware. Fits all horizontal and vertical fixed and adjustable carriers. Secures to fixture support studs with 5/8" hex jam nuts and flat washers. Recommended on all coupling lengths over 7".

Kit does not include faceplate, coupling package or carrier fitting.



Suffix Options				
Suffix	**Description**		**List Price**	**Wt. Lbs.**
M4	Rod Support Feet Kit	Sgl.	$ 439.00	6.6
		Dbl.	878.00	13.2

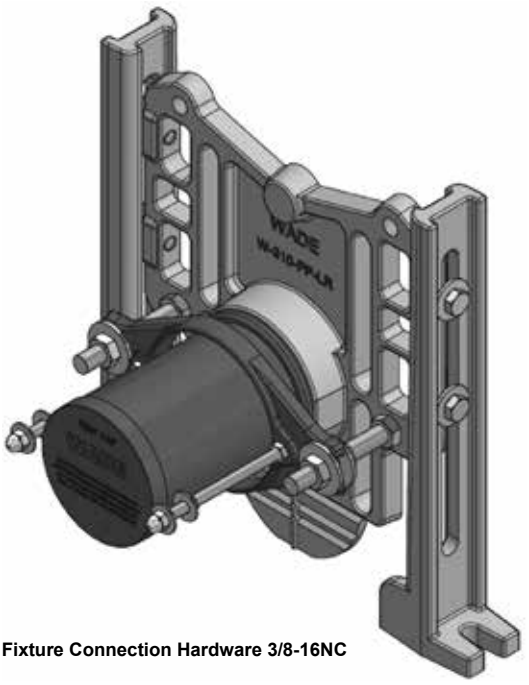
M14 Conversion Kit for Floor Mount Back Outlet Fixtures (Adjustable Vertical & Horizontal)

Regularly Furnished: Painted cast iron yoke with hardware for floor mount back outlet water closets. Works on either horizontal adjustable or vertical adjustable carriers and is recommended for use with (LR) faceplates because of the typical low rough-in requirements for most floor mount back outlet fixtures.

Kit does not include faceplate or carrier fitting.

Suffix Options (w/Standard ABS Coupling)		List Price		Wt. Lbs (Sgl.).
Suffix	**Description**	**Single**	**Double**	
M14/C7	7" Long Flanged ABS Coupling	$ 251.00	$ 502.00	9.1
M14/C11	11" Long Flanged ABS Coupling	251.00	502.00	9.3
M14/C14	14" Long Flanged ABS Coupling	666.00	1,332.00	10.3
M14/C24	24" Long Flanged ABS Coupling	1,419.00	2,838.00	11.3
Suffix Options (w/All Thread ABS Coupling)				
M14/FPO6	6" Long All Thread ABS Coupling	251.00	502.00	9.1
M14/FPO14	14" Long All Thread ABS Coupling	666.00	1,332.00	10.5

Suffix Options (Yoke & Hardware Only)		List Price		Wt. Lbs (Sgl.).
Suffix	**Description**	**Single**	**Double**	
M14	Coupling Not Included	$ 216.00	$ 432.00	7.3



Fixture Connection Hardware 3/8-16NC

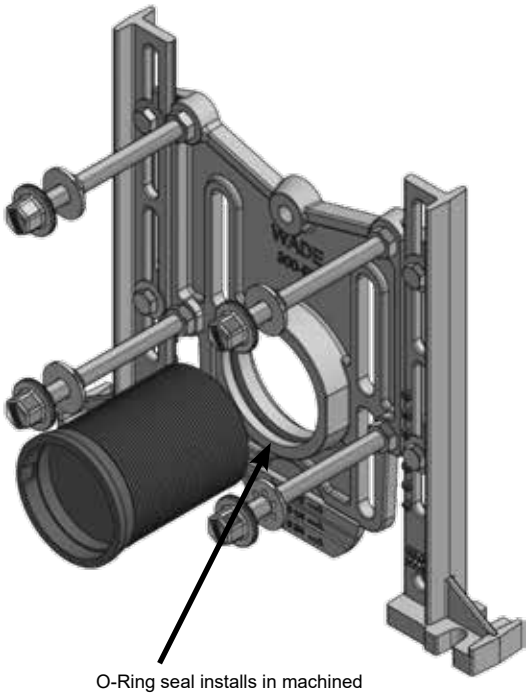
M26 Adjustable Cast Iron Closet Coupling Package

Regularly Furnished: Electrophoretic painted cast iron closet coupling with bell end, wrench adjustment lugs, 4" NPSM straight threaded connection and o-ring seal. Package includes fixture support studs and finish hardware.

Package does not include faceplate or carrier fitting.

Used on all horizontal and vertical adjustable closet carriers

Suffix Options		List Price		Wt. Lbs. (Sgl.)
Suffix	**Description**	**Single**	**Double**	
M26/3	3.5” Long Adjustable C.I. Coupling	$ 466.00	$ 932.00	4.9
M26/4	4” Long Adjustable C.I. Coupling	466.00	932.00	5.3
M26/6	6” Long Adjustable C.I. Coupling	466.00	932.00	7.2
M26/8	8” Long Adjustable C.I. Coupling	466.00	932.00	9.0
M26/10	10” Long Adjustable C.I. Coupling	466.00	932.00	17.5
M26/12	12” Long Adjustable C.I. Coupling	466.00	932.00	19.3
M26/14	14” Long Adjustable C.I. Coupling	743.00	1,486.00	26.0
M26/16	16” Long Adjustable C.I. Coupling	1,018.00	2,036.00	27.9
M26/18	18” Long Adjustable C.I. Coupling	1,295.00	2,590.00	30.9

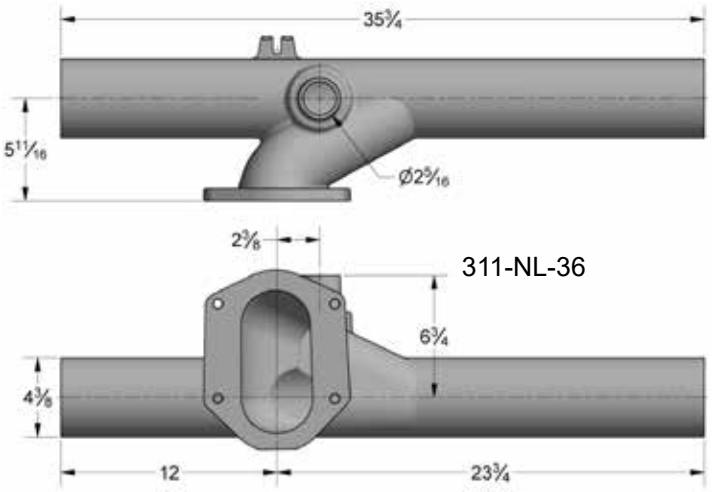


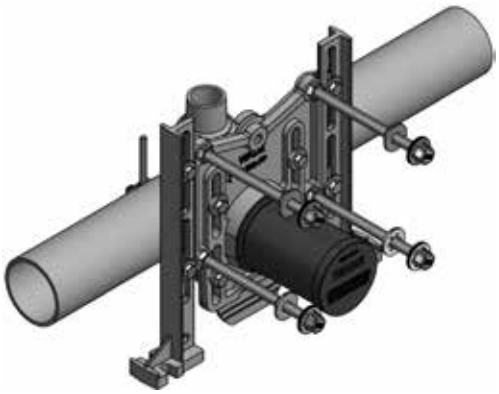
O-Ring seal installs in machined groove in faceplate

Coupling does not include integral test cap. AM22 recommended.

36 Horizontal Extended Barrel Fitting

Regularly Furnished: Painted cast iron horizontal adjustable carrier fitting with extended barrel. Recommended for battery layouts of multiple fixtures to precisely space fixtures on 36" centers. Eliminates cut pipe and additional couplings. Single Left Hand Fitting Illustrated.

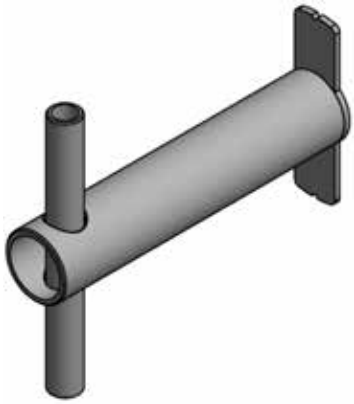




Catalog No.	Description	Add	Wt. Lbs.
311-NR-36	Single Right Hand	$ 520.00	52.0
311-NL-36	Single Left Hand	520.00	52.0
311-ND-36	Double (Back-To-Back)	378.00	65.0

M15 Coupling Adjustment Wrench

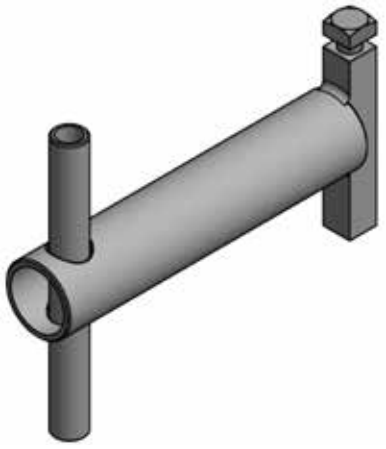
Regularly Furnished: Painted steel coupling wrench. Works on either horizontal adjustable or vertical adjustable carriers and is recommended for installation of standard flanged couplings after they are cut to length. Installs into coupling and engages the lugs in the coupling inside barrel.



Suffix Options			
Suffix	**Description**	**List Price**	**Wt. Lbs.**
M15	Coupling Wrench	$ 150.00	1.5

M17 Coupling Adjustment Wrench

Regularly Furnished: Painted steel coupling wrench. Works on either horizontal adjustable or vertical adjustable carriers and is recommended for making fine adjustments to FPO or M26 style couplings. Installs into coupling and engages the lugs in the coupling horn.

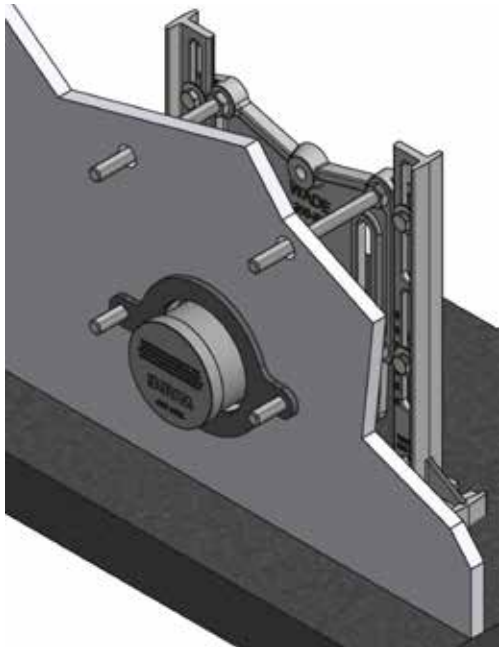


Suffix Options			
Suffix	**Description**	**List Price**	**Wt. Lbs.**
M17	Coupling Wrench	$ 150.00	1.5

M35 Coupling Cut-Off Guide

Regularly Furnished: Painted laser cut steel yoke. Works on either horizontal adjustable or vertical adjustable carriers and is recommended for making square accurate cuts on ABS plastic closet couplings. Installs over coupling and bottom fixture studs after finish wall is installed.

Does not include faceplate, coupling kit or carrier fitting.



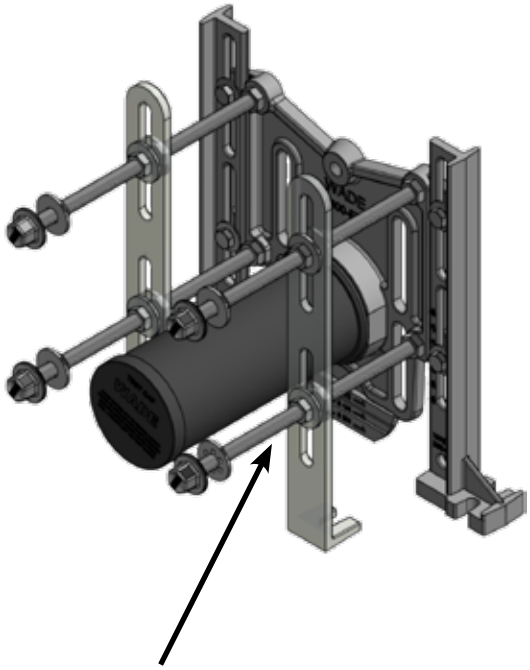
Suffix Options			
Suffix	**Description**	**List Price**	**Wt. Lbs.**
M35	Coupling Cut-Off Guide	$ 349.00	1.9

ECC Coupling Packages with Longer Components

Regularly Furnished: ABS plastic closet couplings and zinc plated all thread studs, hex jam nuts, plated flat washers, plastic fixture washers, bowl saver nut and chrome plated fixture cap nuts with integral flange.

Packages do not include faceplate, carrier fitting or (M4) Rod Support Feet Kit.

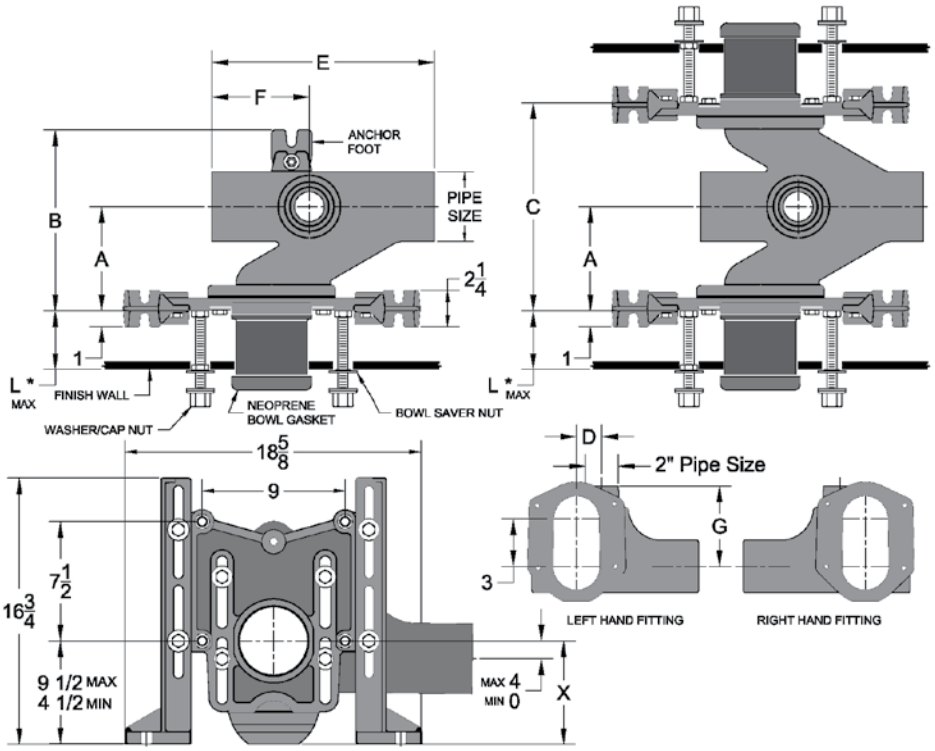
M4 Rod Support Feet Kit is recommended for coupling lengths over 7" long.



Optional Rod Support Kit
(M4 Recommended)

Suffix Options		List Price		Wt. Lbs. (Sgl.)
Suffix	**Description**	**Single**	**Double**	
ECC11	11" Long Adjustable ABS Coupling	$ 466.00	$ 932.00	2.0
ECC14	14" Long Adjustable ABS Coupling	743.00	1,486.00	3.0
ECC24	24" Long Adjustable ABS Coupling	2,125.00	4,250.00	4.0
Suffix Options (w/All Thread ABS Coupling)				
FPO/ECC14	14" Long All Thread ABS Coupling	743.00	1,486.00	3.2

311 Horizontal, Adjustable Water Closet Support (Replaces 300,310,320)



ASME LOAD RATINGS - 300 LB.



311-NL4

Regularly Furnished: Adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished	Dimensions						
					A	B	C	D	E	F	G
311-CL4 *	69.4	Left	Hub/Spigot	$2,224.00	6-1/2”	11-3/8”	-	4”	17”	8-1/2”	8”
311-CR4 *	69.4	Right		2,224.00	6-1/2”	11-3/8”	-	4”	17”	8-1/2”	8”
311-CD4 *	117.8	Double		4,161.00	6-1/2”	11-3/8”	13”	4”	17”	8-1/2”	8”
311-NL3	66.4	Left	No-Hub	1,979.00	6”	10-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311-NR3	66.4	Right		1,979.00	6”	10-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311-ND3	106.8	Double		3,647.00	6”	10-3/8”	13”	2-3/8”	14”	6-1/8”	6-1/4”
311-NL4	71.4	Left		2,163.00	6-1/2”	11-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311-NR4	71.4	Right		2,163.00	6-1/2”	11-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311-ND4	111.8	Double		4,050.00	6-1/2”	11-3/8”	13”	2-3/8”	14”	6-1/8”	6-1/4”

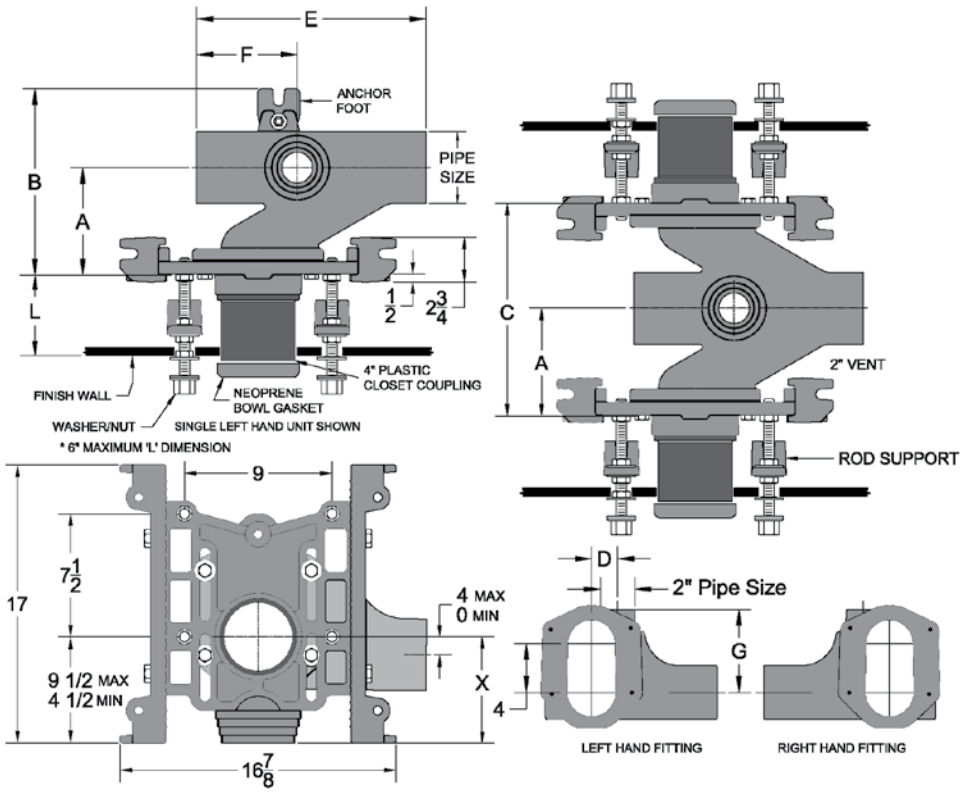
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	232.00
ECC11	Extended Coupling & Hardware (11" Coupling)	Sgl.	N/C
		Dbl.	
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	278.00
		Dbl.	556.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adj. All Thread ABS Coupling		N/C
FPO/ECC14	14" Adj. All Thread ABS Coupling	Sgl.	278.00
		Dbl.	556.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	185.00
		Dbl	370.00
M4	Rod Support Feet	Sgl	439.00
		Dbl	878.00
M26	Adjustable Cast Iron Coupling (Up to 12")		N/C
36	36" Extended Barrel* (N/A 3")	Sgl.	520.00
		Dbl.	378.00
Suffix	**Description**		**Deduct**
M14	Floor Mounted, Back Outlet Adapter	Sgl.	(215.00)
		Dbl.	(429.00)
PF	Pre-Fab Faceplate Assembly		N/C

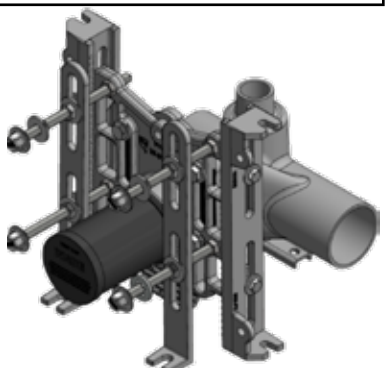
** Dimensions vary from illustration*

FIXTURE SUPPORTS

311HD Horizontal, Adjustable Water Closet Support (Replaces 300,310,320)



ASME LOAD RATINGS - 500 LB.



311HD-NL4

Regularly Furnished: Heavy duty adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Orientation	Connection Type	Regularly Furnished	Dimensions						
					A	B	C	D	E	F	G
311HD-NL3	83.1	Left	No-Hub	2,336.00	6"	10-3/8"	-	2-3/8"	14"	6-1/8"	8"
311HD-NR3	83.1	Right		2,336.00	6"	10-3/8"	-	2-3/8"	14"	6-1/8"	8"
311ND-ND3	140.2	Double		4,361.00	6"	10-3/8"	13"	2-3/8"	14"	6-1/8"	8"
311HD-NL4	66.4	Left		2,520.00	6-1/2"	11-3/8"	-	2-3/8"	14"	6-1/8"	6-1/4"
311HD-NR4	88.1	Right		2,520.00	6-1/2"	11-3/8"	-	2-3/8"	14"	6-1/8"	6-1/4"
311HD-ND4	145.2	Double		4,764.00	6-1/2"	11-3/8"	13"	2-3/8"	14"	6-1/8"	6-1/4"

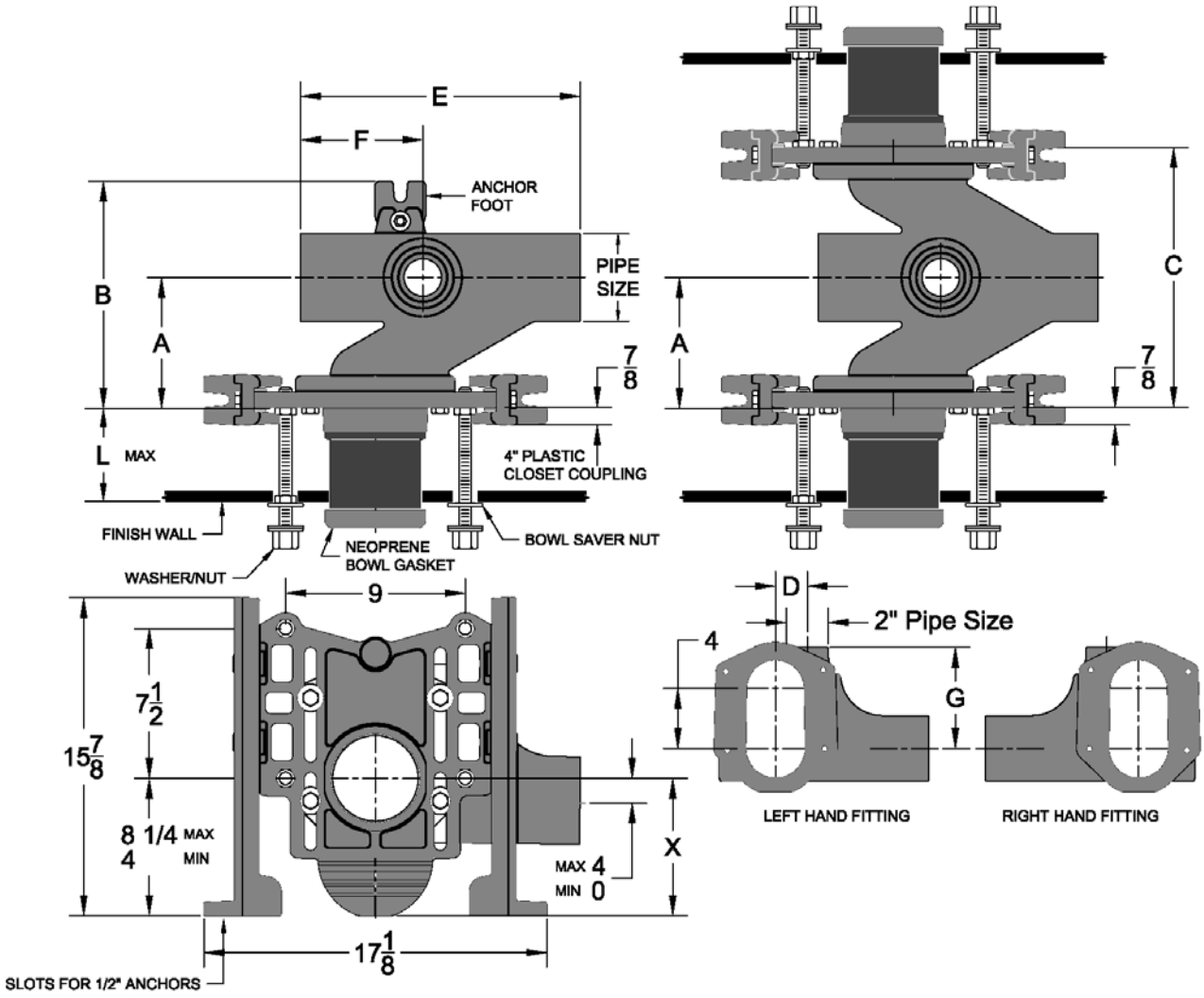
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	232.00
FPO	6" Adj. All Thread ABS Coupling		N/C
UA	Urinal Auxiliary Inlet - 2" No-Hub		500.00
UA2T	Urinal Auxiliary Inlet - 2" Female Thread		500.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M26	Adjustable Cast Iron Coupling (Up to 12")		N/C
36	36" Extended Barrel* (N/A 3")	Sgl.	520.00
		Dbl.	378.00

** Dimensions vary from illustration*

311LR Adjustable Water Closet Support - Low Rough-In

ASME LOAD RATINGS - 300 LB.

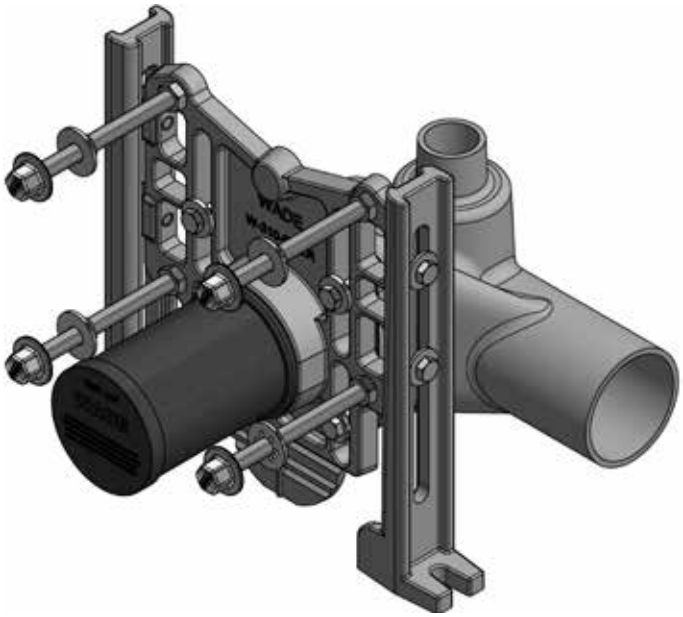


Regularly Furnished: Adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Orientation	Connection Type	Regularly Furnished	Dimensions						
					A	B	C	D	E	F	G
311LR-NL3	79.0	Left	No-Hub	1,979.00	6”	10-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311LR-NR3	79.0	Right		1,979.00	6”	10-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311ND-ND3	132.0	Double		3,647.00	6”	10-3/8”	13”	2-3/8"	14”	6-1/8”	6-1/4”
311LR-NL4	84.0	Left		2,163.00	6-1/2”	11-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311LR-NR4	84.0	Right		2,163.00	6-1/2”	11-3/8”	-	2-3/8”	14”	6-1/8”	6-1/4”
311LR-ND4	137.0	Double		4,050.00	6-1/2”	11-3/8”	13”	2-3/8”	14”	6-1/8”	6-1/4”

FIXTURE SUPPORTS

311LR Adjustable Water Closet Support - Low Rough-In (300 Lb.)



311LR-NL4

Suffix Options			
Suffix	**Description**		**Add**
HD	Heavy Duty Faceplate (500 lb.) *	Sgl	$357.00
		Dbl	714.00
XH	Extra Heavy Duty Faceplate (750 lb.)	Sgl	2,484.00
		Dbl	4,263.00
XB	Bariatric Faceplate (1,000 lb.)	Sgl.	4,170.00
		Dbl.	8,340.00

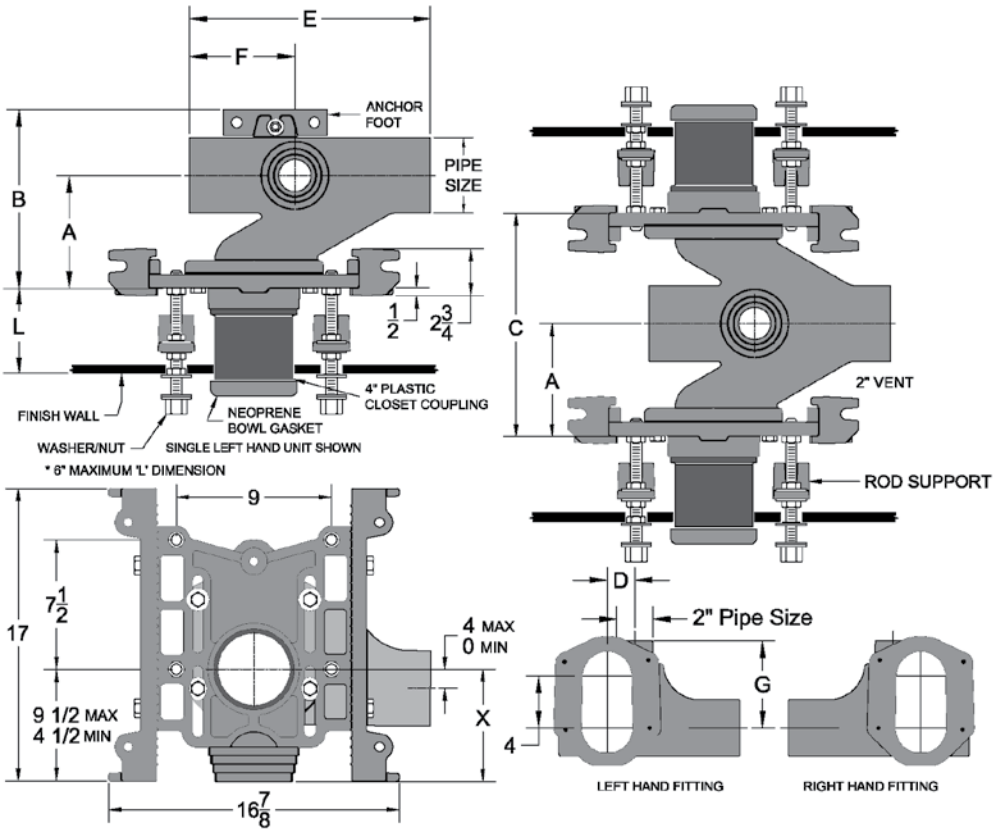
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	232.00
ECC11	Extended Coupling & Hardware	Sgl	N/C
	(11" Coupling)	Dbl.	
ECC14	Extended Coupling & Hardware (14' Coupling)	Sgl.	278.00
		Dbl.	556.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adjustable All Thread ABS Coupling		N/C
FPO/ECC14	14" Adjustable All Thread ABS Coupling	Sgl.	278.00
		Dbl.	556.00
UA	Urinal Auxiliary Inlet - 2" No-Hub		500.00
UA2T	Urinal Auxiliary Inlet - 2" Female Thread		500.00

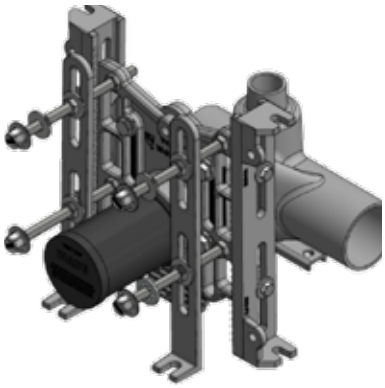
Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M26	Adjustable Cast Iron Coupling (Up to 12")		N/C
36	36" Extended Barrel* (N/A 3")	Sgl.	520.00
		Dbl.	378.00

** Dimensions vary from illustration*

311XB Bariatric, Horizontal, Adjustable Water Closet Support

ASME LOAD RATING - 1000 LB.





311XB-NL4

Regularly Furnished: Bariatric adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Orientation	Connection Type	Regularly Furnished	Dimensions						
					A	B	C	D	E	F	G
311XB-NL4	88.1	Left	No-Hub	$ 6,333.00	6-1/2"	11-3/8"	-	2-3/8"	14"	6-1/4"	6-1/4"
311XB-NR4	88.1	Right		6,333.00	6-1/2"	11-3/8"	-	2-3/8"	14"	6-1/4"	6-1/4"
311XB-ND4	140.0	Double		12,390.00	6-1/2"	11-3/8"	13"	2-3/8"	14"	6-1/4"	6-1/4"

Suffix Options			
Suffix	Description		Add
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	6" Adjustable All Thread ABS Coupling Sgl.		N/C
UA	Urinal Auxiliary Inlet - 2" No-Hub		500.00
UA2T	Urinal Auxiliary Inlet - 2" Female Thread		500.00

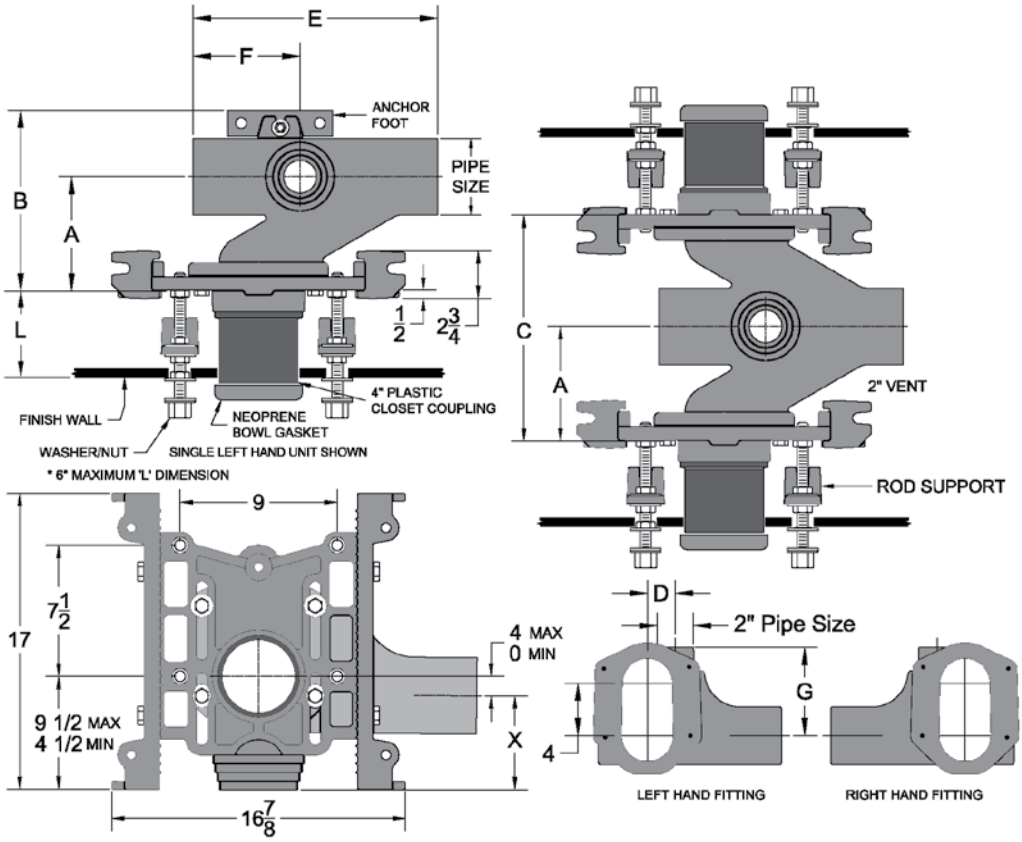
Suffix Options			
Suffix	Description		Add
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M26	Adjustable Cast Iron Coupling (Up to 12")		N/C
36	36" Extended Barrel* (N/A 3")	Sgl.	520.00
		Dbl.	378.00

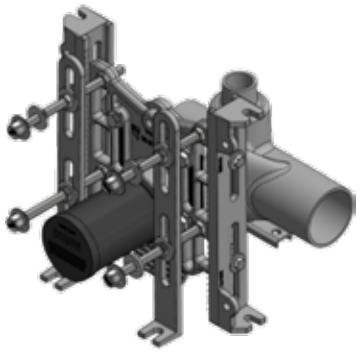
**Dimensions vary from illustration*

FIXTURE SUPPORTS

311XH Extra Heavy, Horizontal Adjustable Water Closet Support

ASME LOAD RATING - 750 LB.





311XH-NL4

Regularly Furnished: Extra heavy duty adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Orientation	Connection Type	Regularly Furnished	Dimensions						
					A	B	C	D	E	F	G
311XH-NL4	88.1	Left	No-Hub	$ 4,647.00	6-1/2"	11-3/8"	-	2-3/8"	14"	6-1/8"	6-1/4"
311XH-NR4	88.1	Right		4,647.00	6-1/2"	11-3/8"	-	2-3/8"	14"	6-1/8"	6-1/4"
311XH-ND4	140.2	Double		8,313.00	6-1/2"	11-3/8"	13"	2-3/8"	14"	6-1/8"	6-1/4"

Suffix Options			
Suffix	Description		Add
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	232.00
FPO	6" Adjustable All Thread ABS Coupling Sgl.		N/C
UA	Urinal Auxiliary Inlet - 2" No-Hub		500.00
UA2T	Urinal Auxiliary Inlet - 2" Female Thread		500.00

Suffix Options			
Suffix	Description		Add
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M26	Adjustable Cast Iron Coupling (Up to 12")		N/C
36	36" Extended Barrel* (N/A 3")	Sgl.	520.00
		Dbl.	378.00

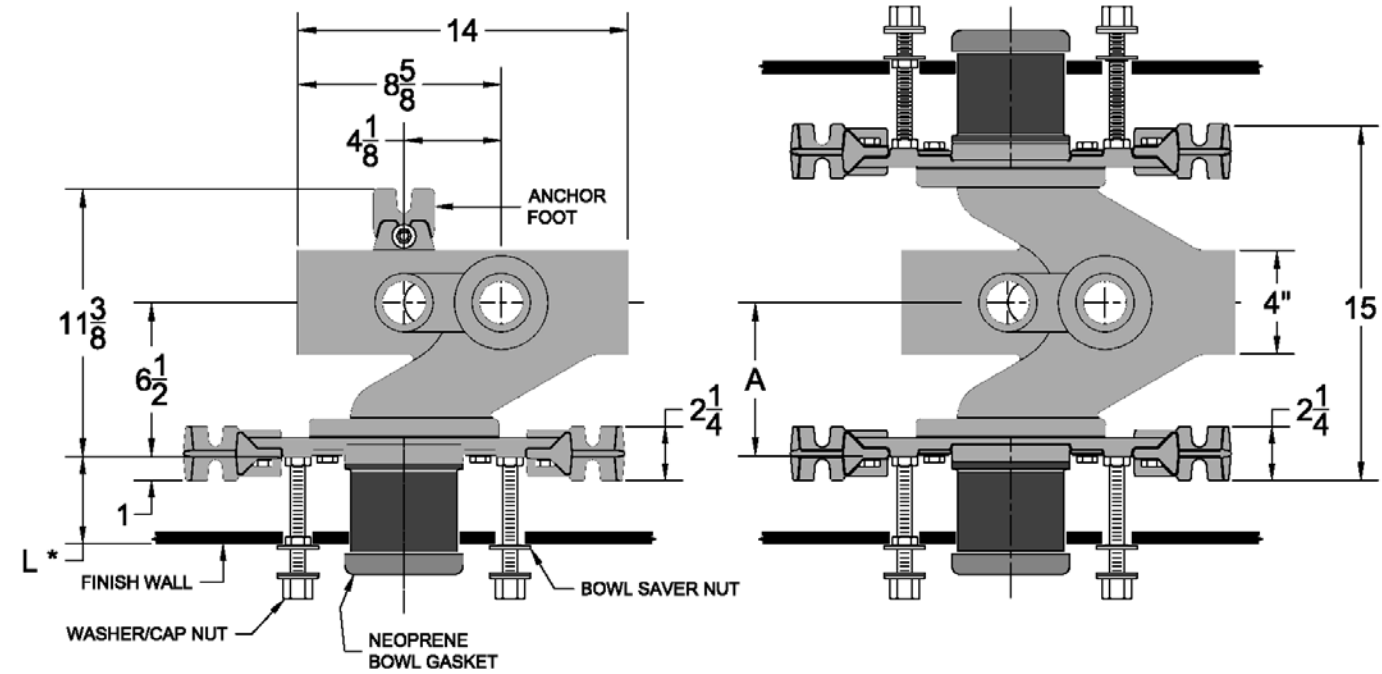
**Dimensions vary from illustration*

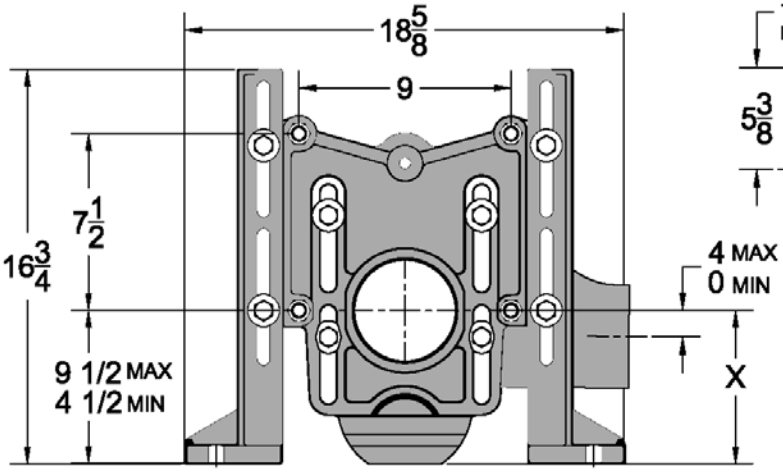
WADE

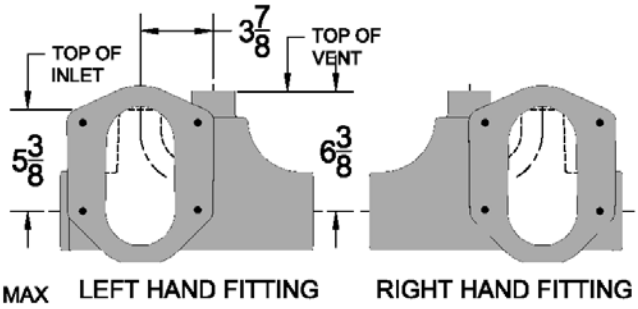
FIXTURE SUPPORTS

311UA Adjustable Water Closet Support

ASME LOAD RATING - 300 LB.







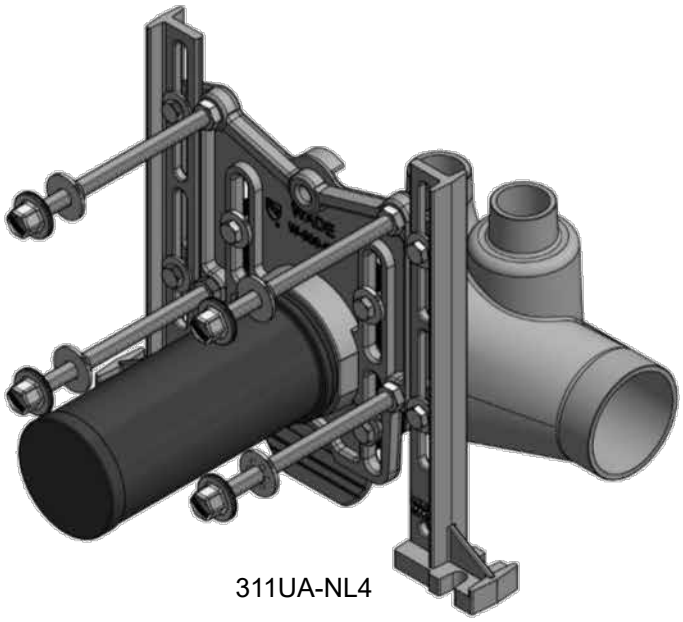
Regularly Furnished: Adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, 2" auxiliary urinal inlet, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Allows rough-in for batteries of fixtures with urinals opposite standard fixtures.

Model	Wt. Lbs.	Orientation	Connection Type	Regularly Furnished	Dimension
					A
311UA-NL4	75.0	Left	No-Hub	$ 2,663.00	6-1/2"
311UA-NR4	75.0	Right		2,663.00	6-1/2"
311UA-ND4	130.0	Double		4,550.00	6-1/2"

**Dimensions vary from illustration*

FIXTURE SUPPORTS

311UA Adjustable Water Closet Support



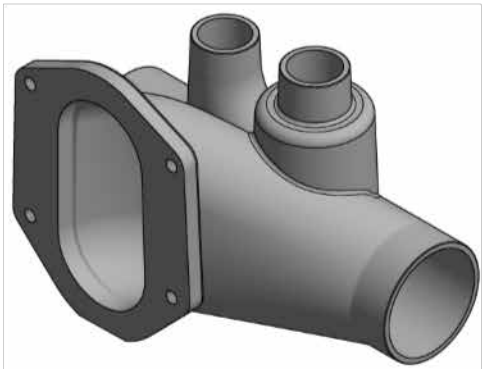
311UA-NL4



VA2



VA3



WP311UA-NL4 Fitting Only

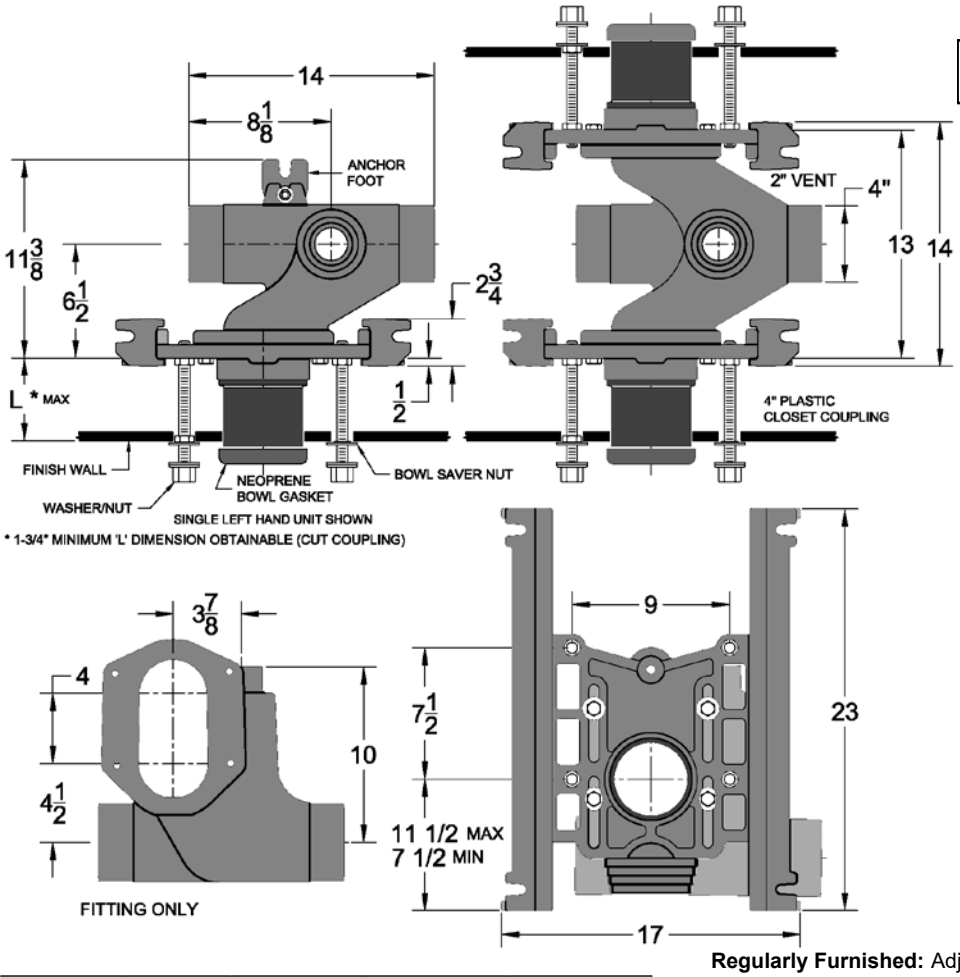
Suffix Options			
Suffix	**Description**		**Add**
HD	Heavy Duty Faceplate (500 lb.) *	Sgl	$ 357.00
		Dbl	714.00
XH	Extra Heavy Duty Faceplate (750 lb.)	Sgl	2,484.00
		Dbl	4,263.00
XB	Bariatric Faceplate (1,000 lb.)	Sgl.	4,170.00
		Dbl.	8,340.00
LR	Low Rough Faceplate (300 Lb.)		N/C
PF	Pre-Fab Faceplate Assembly		N/C
VA2	Vent Adapter Fitting (2x2x2x2)		448.00
VA3	Vent Adapter Fitting (3x3x2x2)		448.00

Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	232.00
ECC11	Extended Coupling & Hardware (11" Coupling)	Sgl.	N/C
		Dbl.	
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	278.00
		Dbl.	556.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adj. All Thread ABS Coupling		N/C
FPO/ECC14	14" Adj. All Thread ABS Coupling	Sgl.	278.00
		Dbl.	556.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M4	Rod Supported Feet	Sgl.	439.00
		Dbl.	878.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C
Suffix	**Description**		**Deduct**
M14	Floor Mounted, Back Outlet Adapter	Sgl	(215.00)
		Dbl	(429.00)

**Dimensions vary from illustration*

311H Horizontal, Adjustable Water Closet Support - High Rough (300 Lb.)



ASME LOAD RATING - 300 LB.

Model	Wt. Lbs.	Orientation	Connection Type	Regularly Furnished
311H-NL4	80.0	Left	No-Hub	$ 2,163.00
311H-NR4	80.0	Right		2,163.00
311H-ND4	140.0	Double		4,050.00

Regularly Furnished: Adjustable horizontal siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Allows handicap rough-in for batteries of fixtures with handicap between standard fixtures.

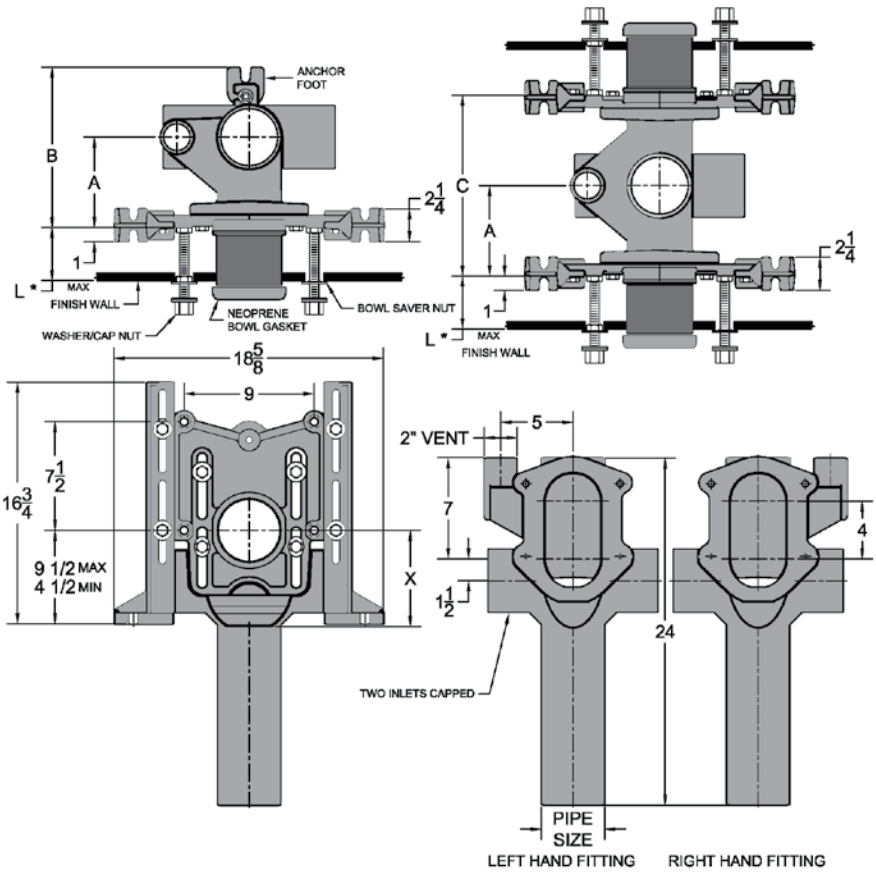
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	232.00
ECC11	Extended Coupling & Hardware (11" Coupling)	Sgl.	N/C
		Dbl.	
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	278.00
		Dbl.	556.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adj. All Thread ABS Coupling		N/C
FPO/ECC14	14" Adj. All Thread ABS Coupling	Sgl.	278.00
		Dbl.	556.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M4	Rod Support Feet	Sgl.	439.00
		Dbl.	878.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

**Dimensions vary from illustration*

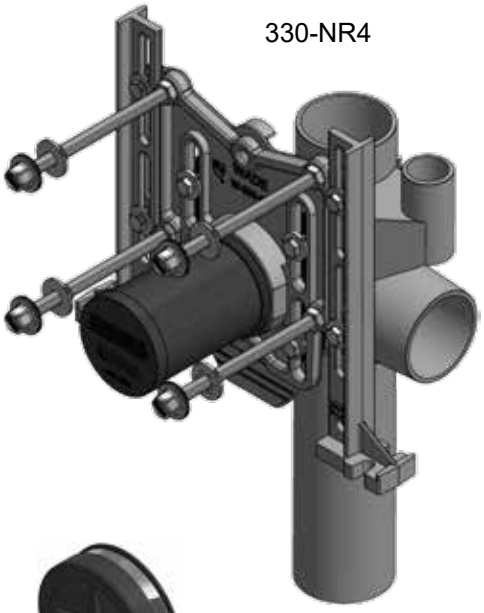
FIXTURE SUPPORTS

330 Vertical, Adjustable Water Closet Support (No-Hub)



ASME LOAD RATING - 300 LB.

330-NR4





Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

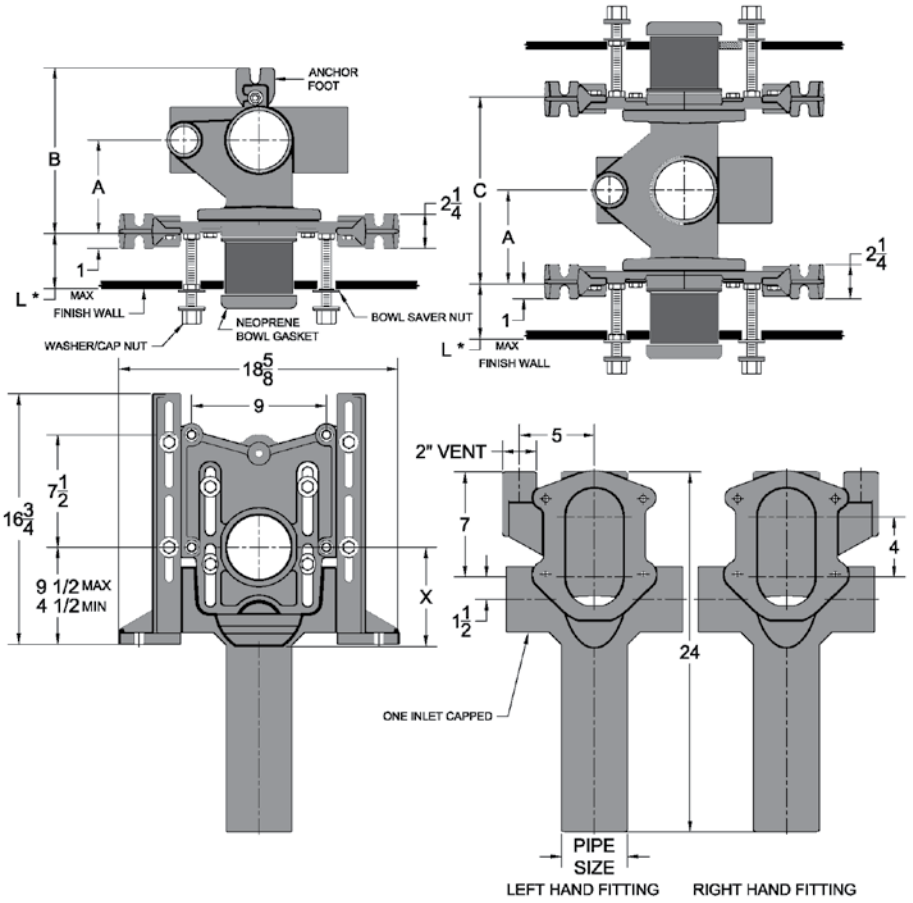
Regularly Furnished: Adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished	Dimensions		
					A	B	C
330-NR4	92.3	Single RH	No-Hub	$ 2,452.00	6-1/2"	11-5/8"	-
330-NL4	92.3	Single LH		2,452.00	6-1/2"	11-5/8"	-
330-ND4	154.6	Double		4,338.00	6-1/2"	11-5/8"	13"

Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
ECC11	Extended Coupling & Hardware (11" Coupling)	Sgl.	N/C
		Dbl.	
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	278.00
		Dbl.	555.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adj. All Thread ABS Coupling		N/C
FPO/ECC14	14" Adj. All Thread ABS Coupling	Sgl.	278.00
		Dbl.	555.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M4	Rod Support Feet	Sgl.	439.00
		Dbl.	878.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C
Suffix	**Description**		**Deduct**
M14	Floor Mounted, Back Outlet Adapter	Sgl	(215.00)
		Dbl	(429.00)
PF	Pre-Fab Faceplace Assembly		N/C

330-A1 Vertical, Adjustable Water Closet Support (No-Hub)



ASME LOAD RATING - 300 LB.

330-NR44-A1





Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Style	Side Inlet Location	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330-NR44-A1	92.3	Sgl. RH (1 Inlet)	Reversible	No-Hub	$2,874.00	6-1/2"	11-5/8"	-
330-NL44-A1	92.3	Sgl. LH (1 Inlet)	Reversible		2,874.00	6-1/2"	-	-
330-ND44-A1	154.6	Dbl. (1 Inlet)	Reversible		4,745.00	6-1/2"	-	13"

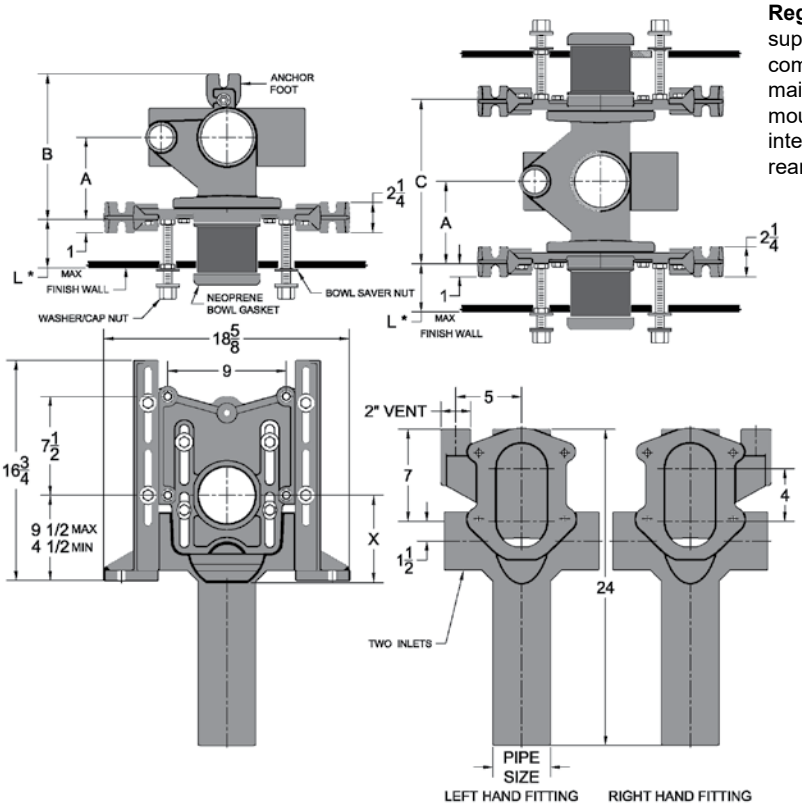
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
ECC11	Extended Coupling & Hardware (11" Coupling)	Sgl.	N/C
		Dbl.	
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	278.00
		Dbl.	555.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adj. All Thread ABS Coupling		N/C
FPO/ECC14	14" Adj. All Thread ABS Coupling	Sgl.	278.00
		Dbl.	555.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M4	Rod Support Feet	Sgl.	439.00
		Dbl.	878.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C
Suffix	**Description**		**Deduct**
M14	Floor Mounted, Back Outlet Adapter	Sgl	(215.00)
		Dbl	(429.00)
PF	Pre-Fab Faceplace Assembly		N/C

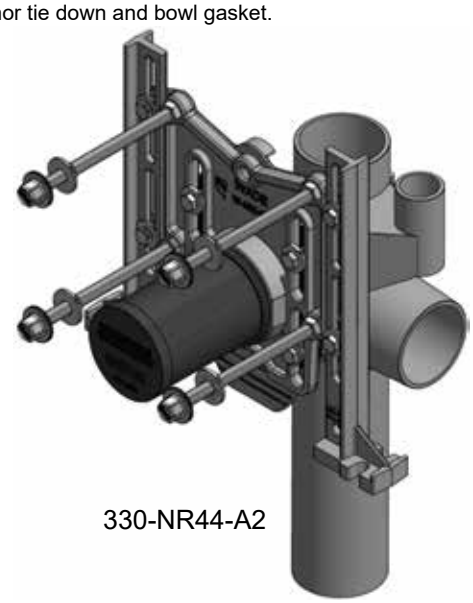
**Dimensions vary from illustration*

FIXTURE SUPPORTS

330-A2 Vertical, Adjustable Water Closet Support (No-Hub)



Regularly Furnished: Adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.



330-NR44-A2

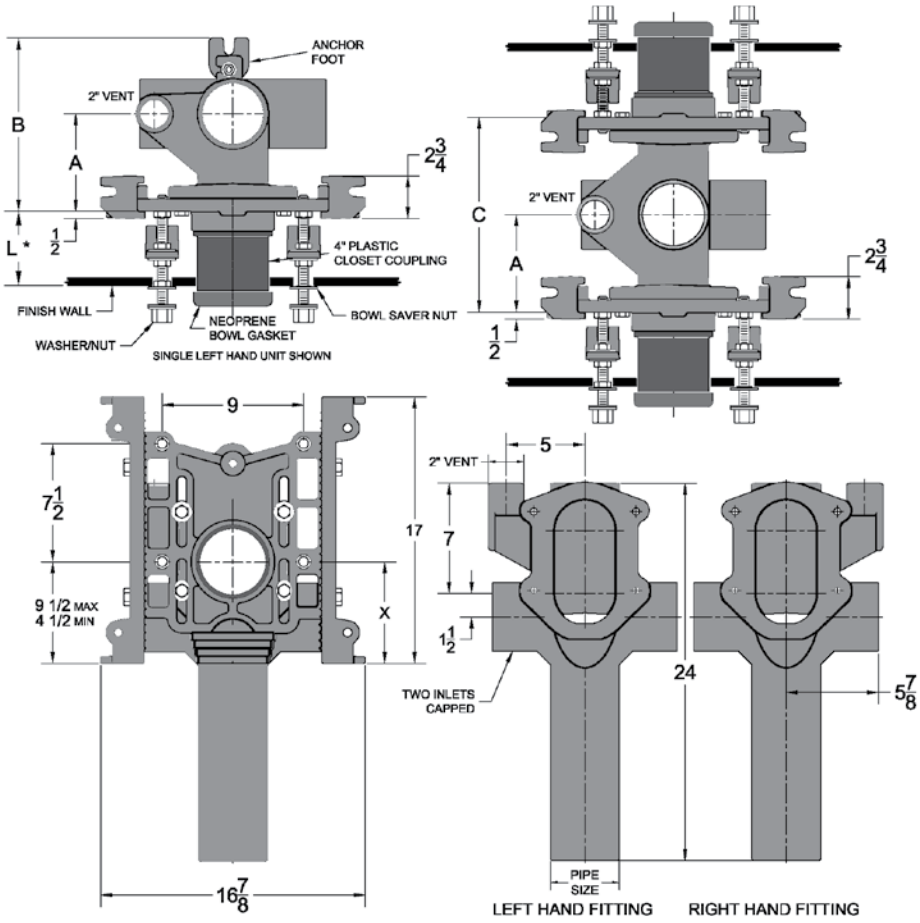
Model	Wt. Lbs.	Style	Side Inlet Location	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330-NR44-A2	92.3	Sgl. RH (2 Inlet)	Dual	No-Hub	$3,292.00	6-1/2"	11-5/8"	-
330-NL44-A2	92.3	Sgl. LH (2 Inlet)	Dual		3,292.00	6-1/2"	-	-
330-ND44-A2	154.6	Dbl. (2 Inlet)	Dual		5,164.00	6-1/2"	-	13"

Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
ECC11	Extended Coupling & Hardware (11" Coupling)	Sgl.	N/C
		Dbl.	
ECC14	Extended Coupling & Hardware (14" Coupling)	Sgl.	278.00
		Dbl.	555.00
ECC24	Extended Coupling & Hardware (24" Coupling)	Sgl.	1,659.00
		Dbl.	3,318.00
FPO	6" Adj. All Thread ABS Coupling		N/C
FPO/ECC14	14" Adj. All Thread ABS Coupling	Sgl.	278.00
		Dbl.	555.00

ASME LOAD RATING - 300 LB.

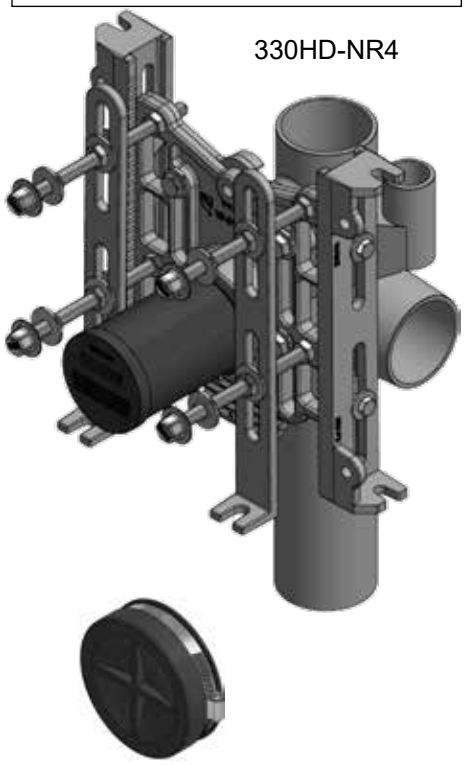
Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$185.00
		Dbl	370.00
M4	Rod Support Feet	Sgl.	439.00
		Dbl.	878.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C
Suffix	**Description**		**Deduct**
M14	Floor Mounted, Back Outlet Adapter	Sgl	(215.00)
		Dbl	(429.00)
PF	Pre-Fab Faceplace Assembly		N/C

330HD Vertical, Adjustable Water Closet Support (No-Hub)



ASME LOAD RATING - 500 LB.

330HD-NR4



Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Heavy duty adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished	Dimensions		
					A	B	C
330HD-NR4	99.7	SGL RH	No-Hub	$ 2,809.00	6-1/2"	11-5/8"	-
330HD-NL4	99.7	SGL LH		2,809.00	6-1/2"	-	-
330HD-ND4	159.2	DBL		5,053.00	6-1/2"	-	13"

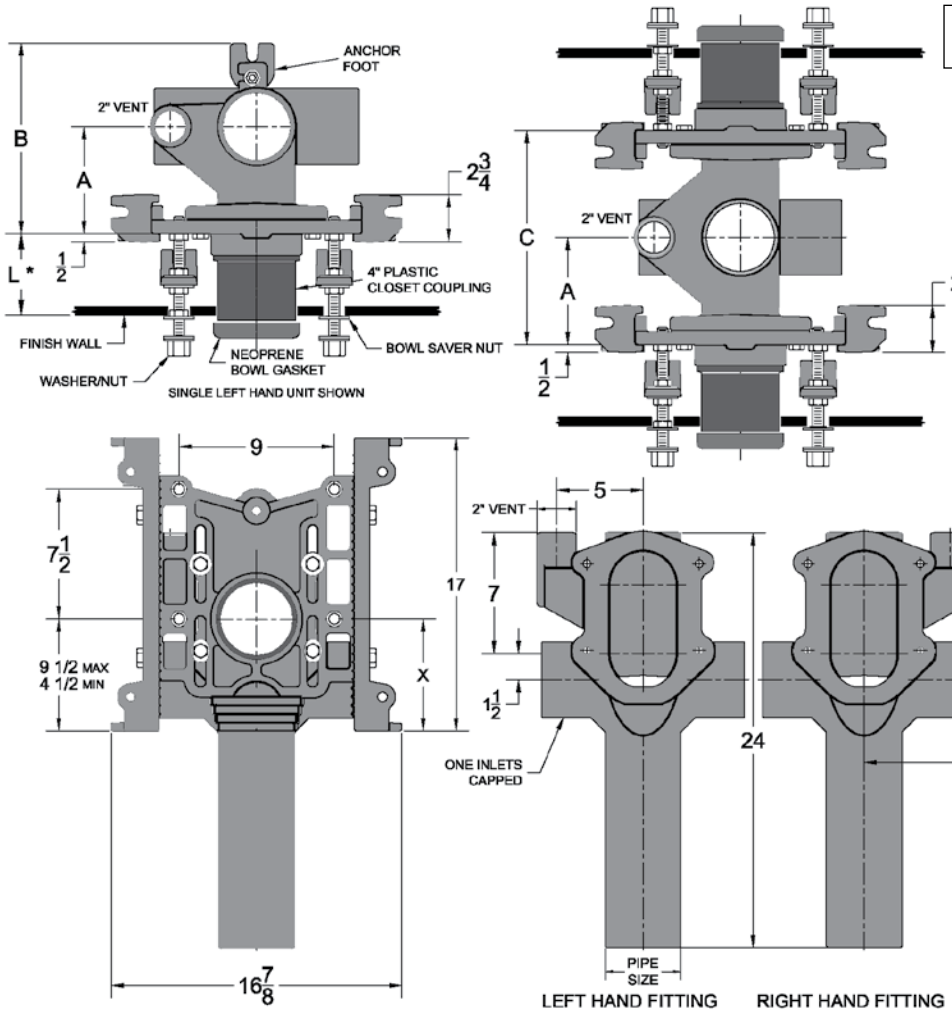
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
JJ	Dual 2" Female Threaded Auxiliary Inlets		990.00
JL	2" Female Thread Left Hand Auxiliary		494.00
JR	2" Female Thread Right Hand Auxiliary Inlet		494.00

Suffix Options			
Suffix	**Description**		**Add**
M3	Vandal Proof Hardware	Sgl	$ 185.00
		Dbl	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C
Suffix	**Description**		**Deduct**
M14	Floor Mounted, Back Outlet Adapter	Sgl	(215.00)
		Dbl	(429.00)
PF	Pre-Fab Faceplace Assembly		N/C

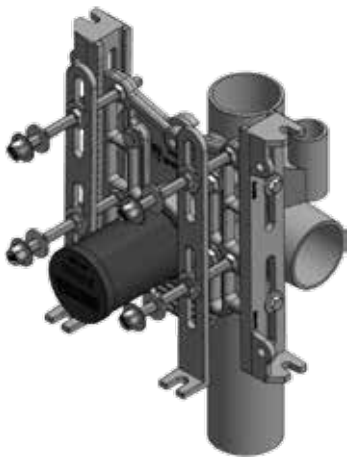
**Dimensions vary from illustration*

FIXTURE SUPPORTS

330HD-A1 Vertical, Adjustable Water Closet Support - No-Hub (500Lb. Rating)



ASME LOAD RATING - 500 LB.



330HD-NR44-A1



Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Heavy duty adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Style	Side Inlet Location	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330HD-NR44-A1	99.7	SGL RH (1 Inlet)	Reversible	No-Hub	$ 3,231.00	6-1/2"	11-5/8"	-
330HD-NL44-A1	99.7	SGL LH (1 Inlet)	Reversible		3,231.00	6-1/2"	11-5/8"	-
330HD-ND44-A1	159.2	DBL (1 Inlets)	Reversible		5,459.00	6-1/2"	-	13"

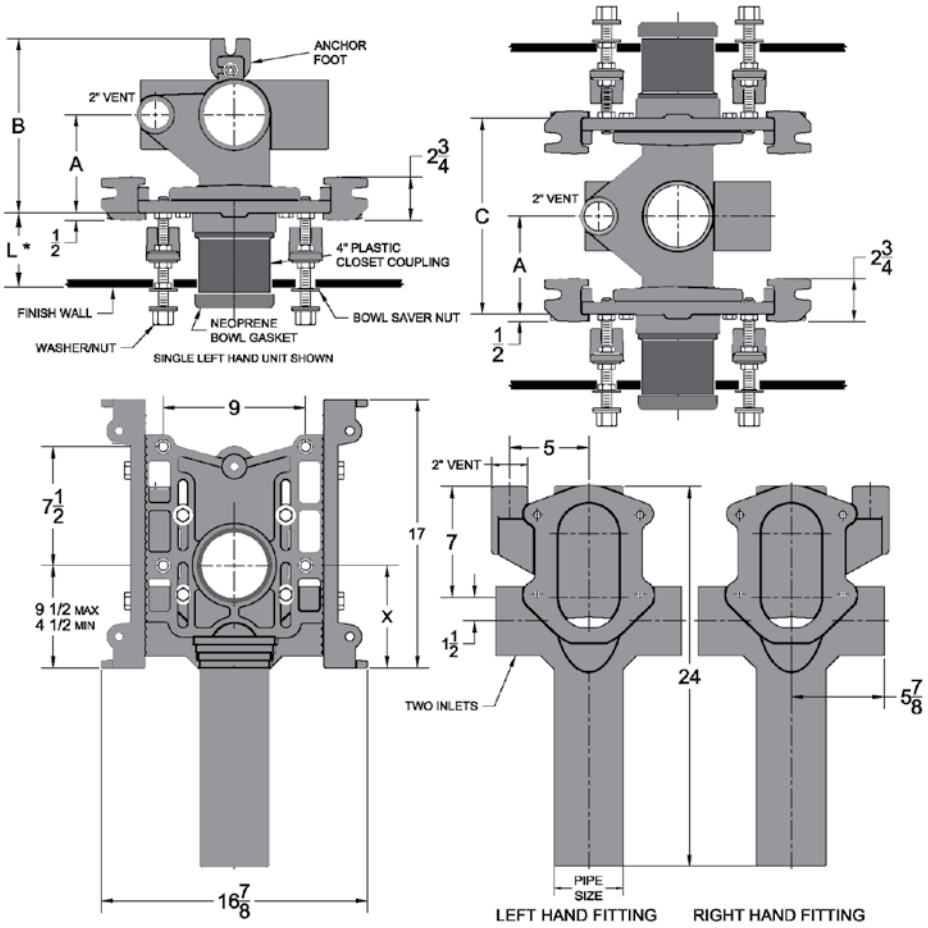
Suffix Options			
Suffix	Description		Add
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C

Suffix Options			
Suffix	Description		Add
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

**Dimensions vary from illustration*

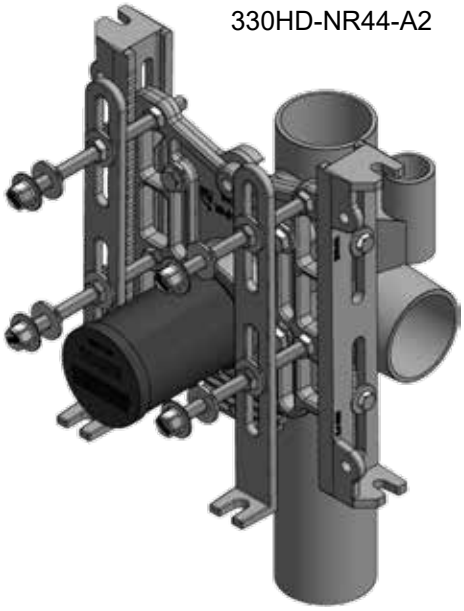
FIXTURE SUPPORTS

330HD-A2 Vertical, Adjustable Water Closet Support - No-Hub (500Lb. Rating)



ASME LOAD RATING - 500 LB.

330HD-NR44-A2



Regularly Furnished: Heavy duty adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has two 4" side inlets

Model	Wt. Lbs.	Style	Side Inlet Connection	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330HD-NR44-A2	98.9	SGL RH (2 Inlet)	Dual	No-Hub	$3,649.00	6-1/2"	11-5/8"	-
330HD-NL44-A2	98.9	SGL LH (2 Inlet)	Dual		3,649.00	6-1/2"	-	-
330HD-ND44-A2	167.8	DBL (2 Inlets)	Dual		5,878.00	6-1/2"	-	13"

Suffix Options			
Suffix	Description		Add
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
HR	High Rough Faceplate *		N/C

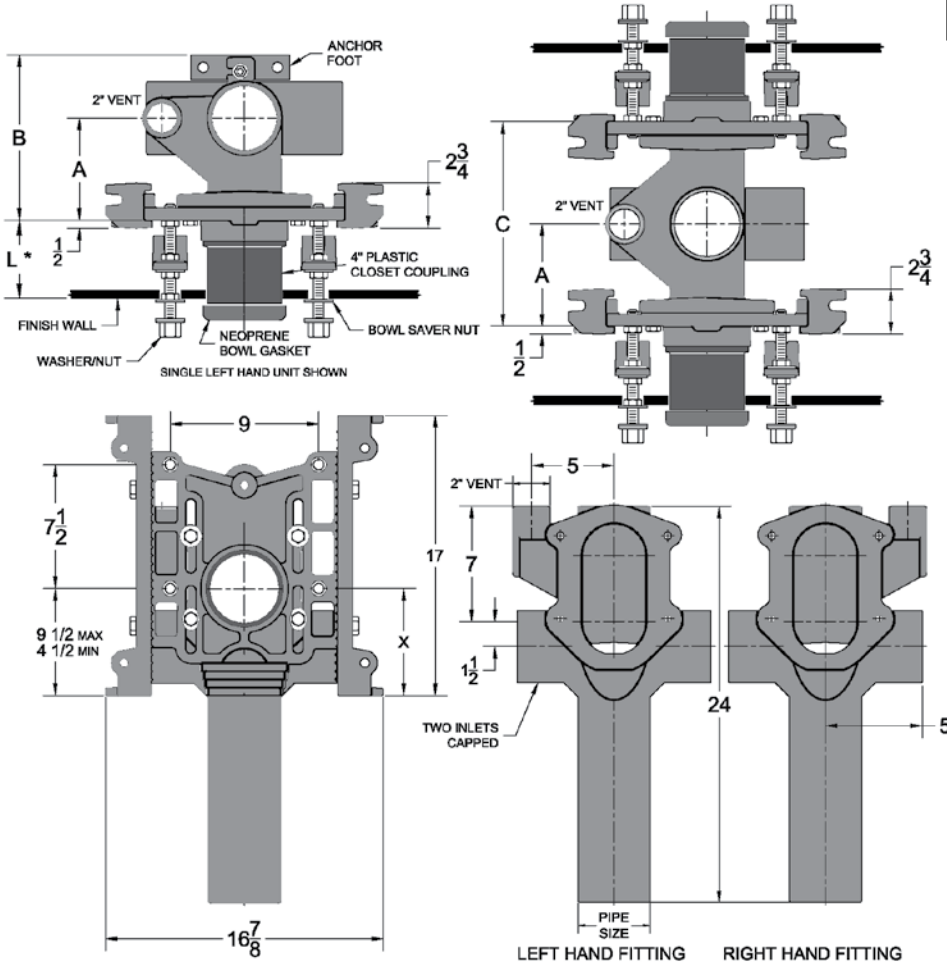
Suffix Options			
Suffix	Description		Add
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

**Dimensions vary from illustration*

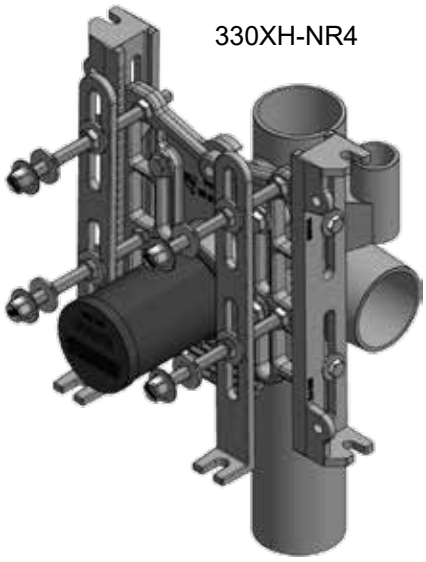
FIXTURE SUPPORTS

330XH Vertical, Adjustable Water Closet Support - No-Hub (750Lb. Rating)

ASME LOAD RATING - 750 LB.



330XH-NR4





Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Extra heavy duty adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

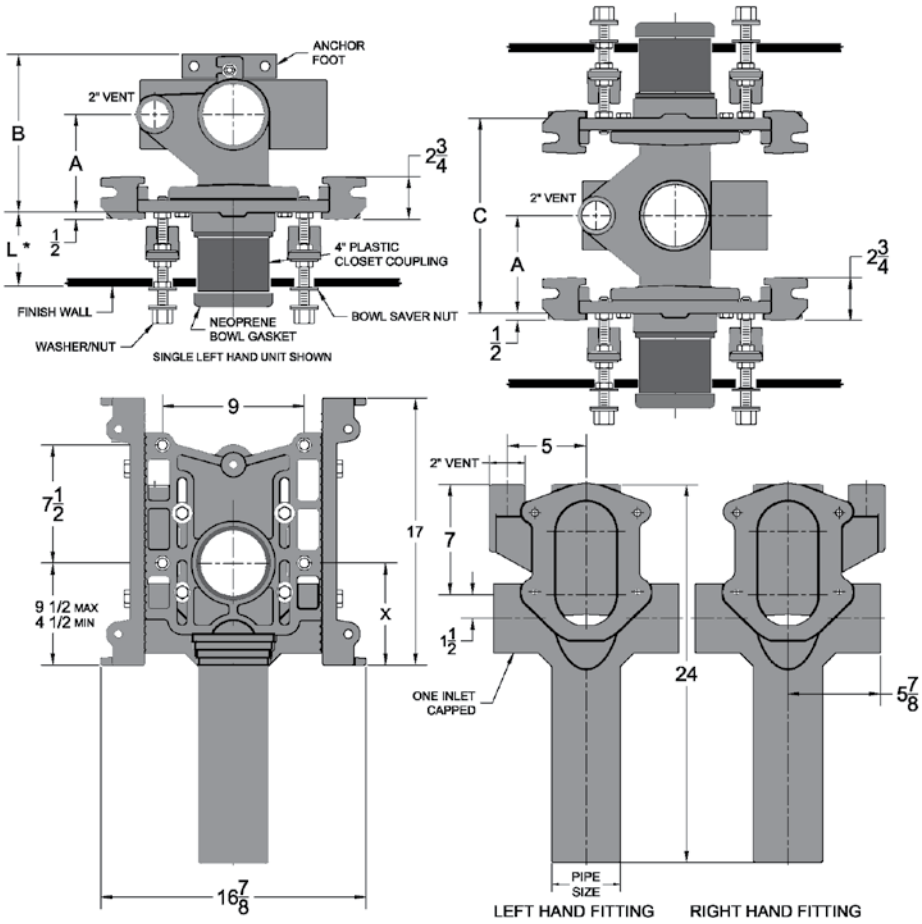
Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished	Dimensions		
					A	B	C
330XH-NR4	98.9	SGL RH	No-Hub	$5,063.00	6-1/2"	11-5/8"	-
330XH-NL4	98.9	SGL LH		5,063.00	6-1/2"	-	-
330XH-ND4	167.8	DBL		9,770.00	6-1/2"	-	13"

Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
HR	High Rough Faceplate *		N/C
JJ	Dual 2" No-Hub Auxiliary Inlets		990.00
JL	2" No-Hub Left Hand Auxiliary Inlet		494.00
JR	2" No-Hub Right Hand Auxiliary Inlet		494.00

Suffix Options			
Suffix	**Description**		**Add**
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

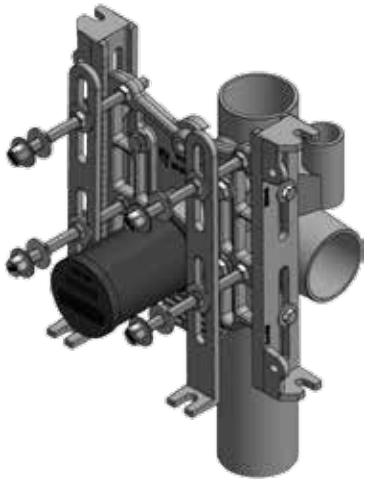
**Dimensions vary from illustration*

330XH-A1 Vertical, Adjustable Water Closet Support - No-Hub (750Lb. Rating)



ASME LOAD RATING - 750 LB.

330XH-NR44-A1





Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Extra heavy duty adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has two 4" side inlets (one capped)

Model	Wt. Lbs.	Style	Side Inlet Location	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330XH-NR44-A1	98.9	SGL RH (1 Inlet)	Reversible	No-Hub	$5,485.00	6-1/2"	11-5/8"	-
330XH-NL44-A1	98.9	SGL LH (1 Inlet)	Reversible		5,485.00	6-1/2"	-	-
330XH-ND44-A1	167.8	DBL (1 Inlets)	Reversible		10,192.00	6-1/2"	-	13"

Suffix Options			
Suffix	Description		Add
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C

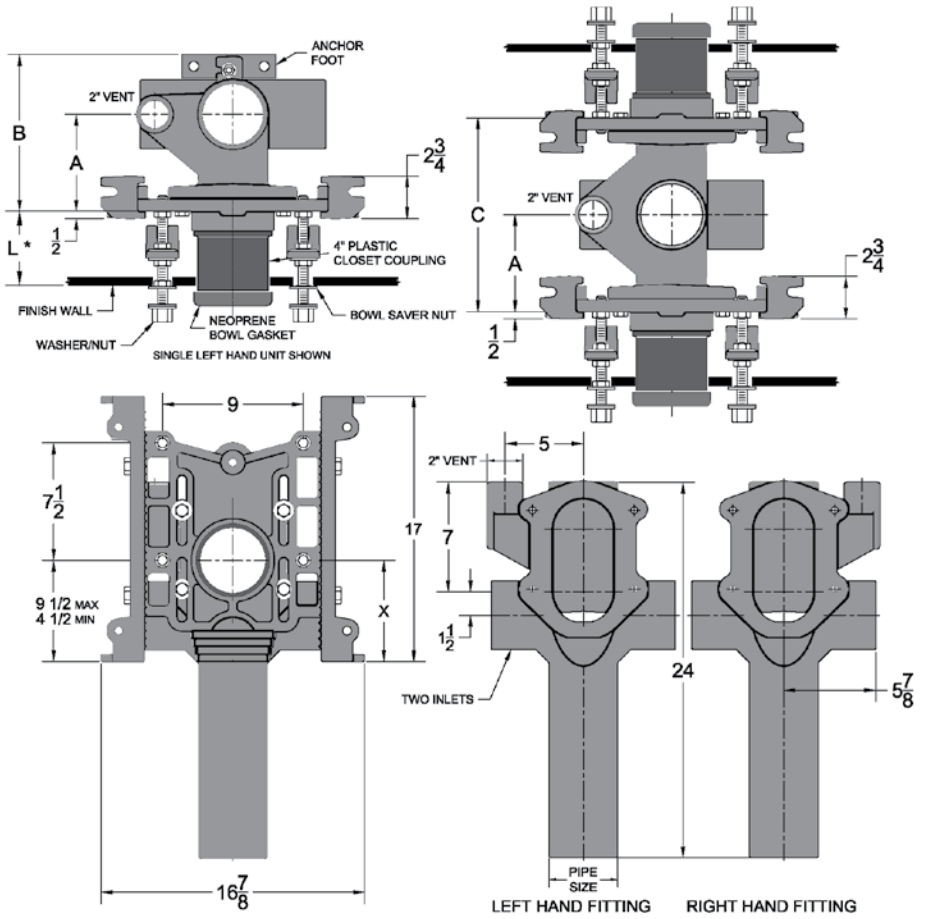
Suffix Options			
Suffix	Description		Add
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

**Dimensions vary from illustration*

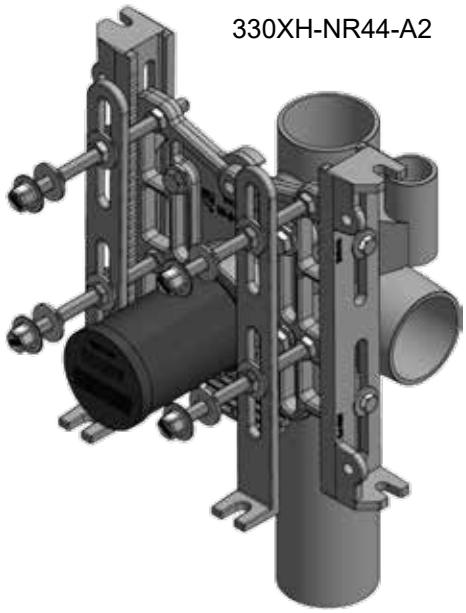
FIXTURE SUPPORTS

330XH-A2 Vertical, Adjustable Water Closet Support - No-Hub (750Lb. Rating)

ASME LOAD RATING - 750 LB.



330XH-NR44-A2



Regularly Furnished: Extra heavy duty adjustable vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, rigid support frames, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has two 4" side inlets.

Model	Wt. Lbs.	Style	Side Inlet Connection	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330XH-NR44-A2	98.9	SGL RH (2 Inlet)	Dual	No-Hub	$ 5,903.00	6-1/2"	11-5/8"	-
330XH-NL44-A2	98.9	SGL LH (2 Inlet)	Dual		5,903.00	6-1/2"	-	-
330XH-ND44-A2	167.8	DBL (2 Inlets)	Dual		10,610.00	6-1/2"	-	13"

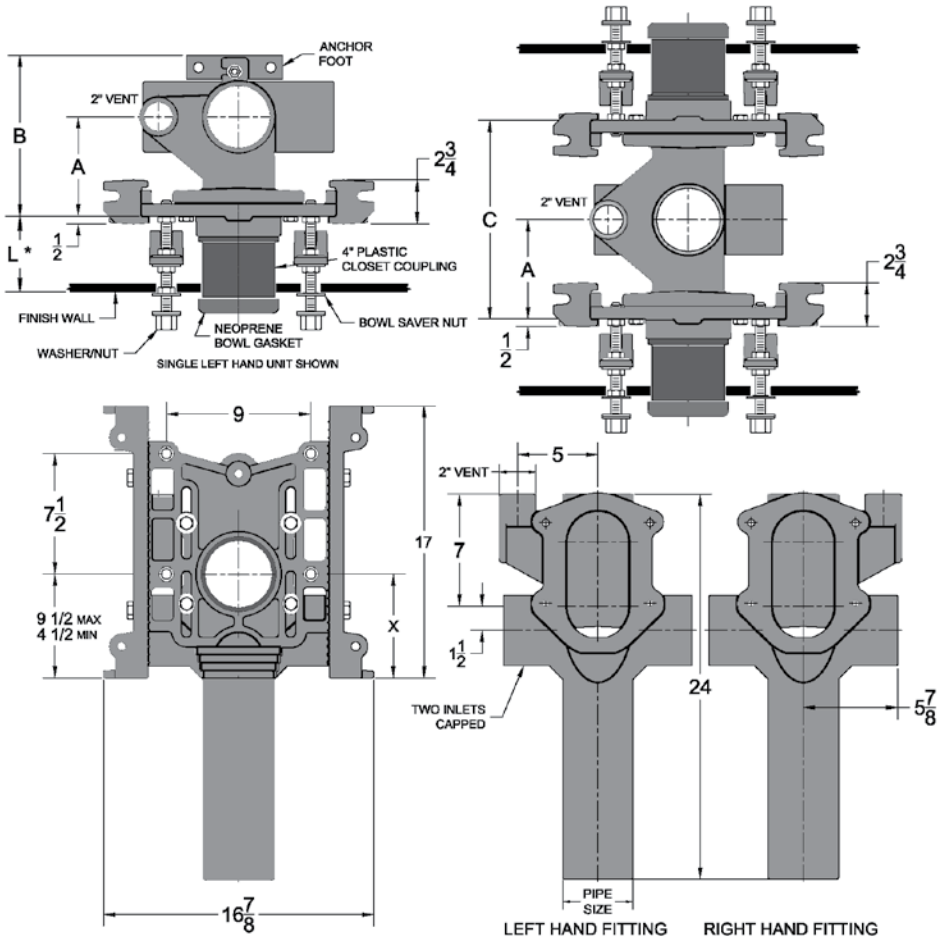
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
HR	High Rough Faceplate		N/C

Suffix Options			
Suffix	**Description**		**Add**
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

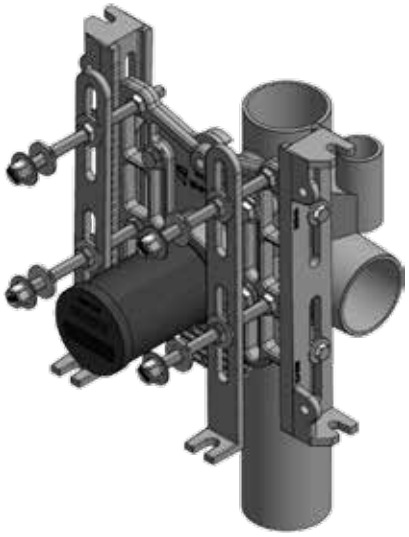
FIXTURE SUPPORTS

330XB Vertical, Adjustable Water Closet Support - No-Hub (1,000Lb. Rating)

ASME LOAD RATING - 1000 LB.



330XB-NR4





Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Adjustable siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished	Dimensions		
					A	B	C
330XB-NR4	98.9	SGL RH	No-Hub	$6,967.00	6-1/2"	11-5/8"	-
330XB-NL4	98.9	SGL LH		6,967.00	6-1/2"	-	-
330XB-ND4	167.8	DBL		13,443.00	6-1/2"	-	13"

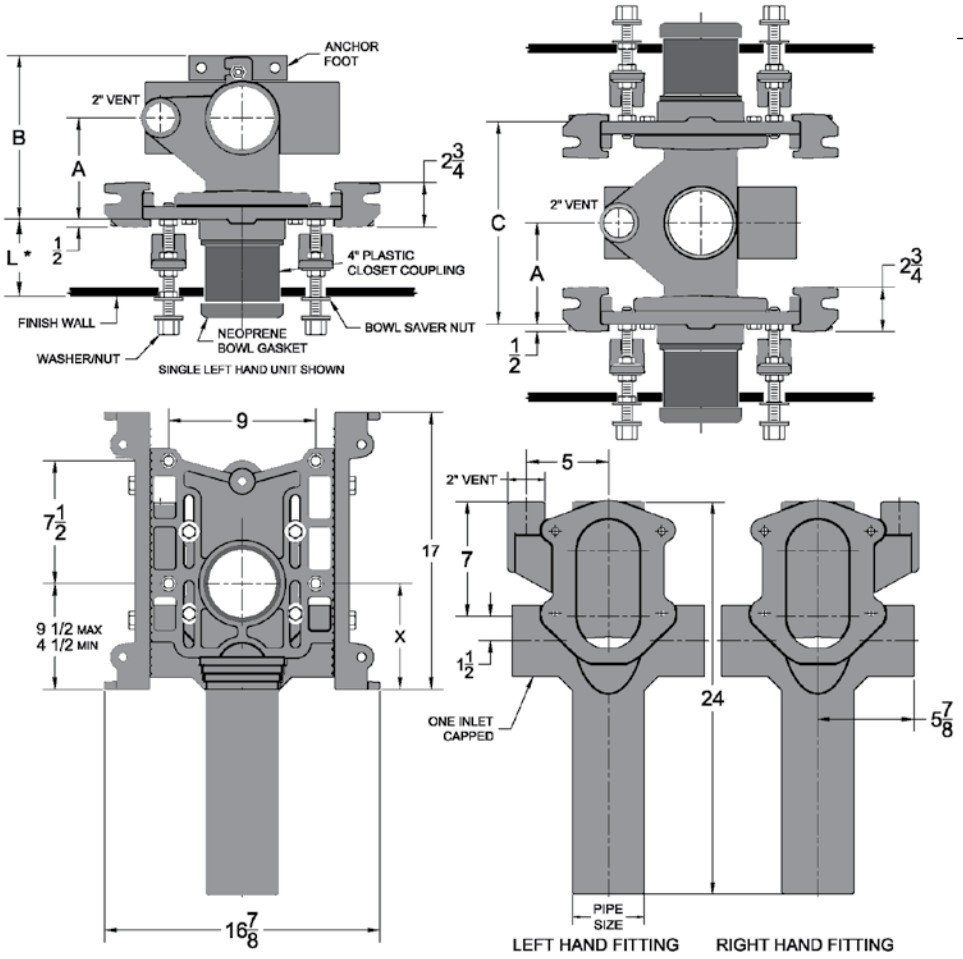
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
JJ	Dual 2" No-Hub Auxiliary Inlets		990.00
JL	2" No-Hub Left Hand Auxiliary Inlet		494.00
JR	2" No-Hub Right Hand Auxiliary Inlet		494.00

Suffix Options			
Suffix	**Description**		**Add**
LR	Low Rough Faceplate *		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

**Dimensions vary from illustration*

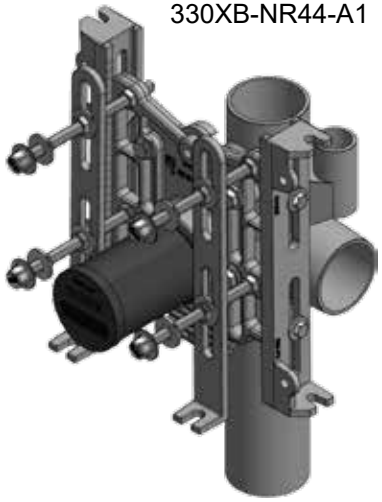
FIXTURE SUPPORTS

330XB-A1 Vertical, Adjustable Water Closet Support - No-Hub (1,000Lb. Rating)



ASME LOAD RATING - 1000 LB.

330XB-NR44-A1





Assembly includes (2) No-Hub Caps for Blanking Side Inlets.

Regularly Furnished: Adjustable siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has two 4" side inlets (one capped).

Model	Wt. Lbs.	Style	Side Inlet Location	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330XB-NR44-A1	98.9	SGL RH (1 Inlet)	Reversible	No-Hub	$7,389.00	6-1/2"	11-5/8"	-
330XB-NL44-A1	98.9	SGL LH (1 Inlet)	Reversible		7,389.00	6-1/2"	-	-
330XB-ND44-A1	167.8	DBL (1 Inlets)	Reversible		13,865.00	6-1/2"	-	13"

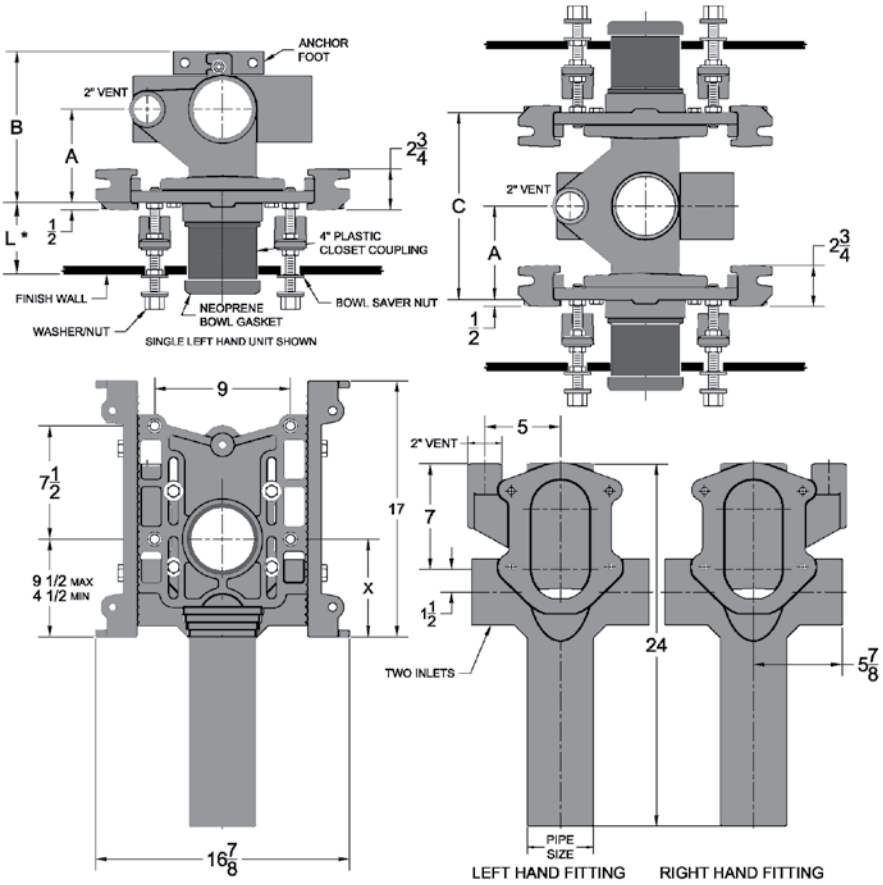
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
HR	High Rough Faceplate *		N/C

Suffix Options			
Suffix	**Description**		**Add**
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

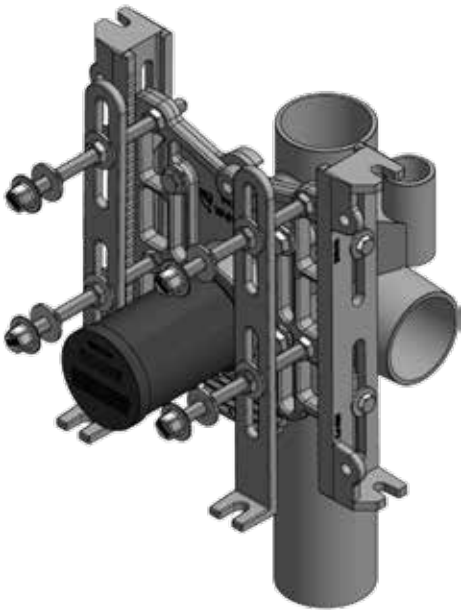
**Dimensions vary from illustration*

FIXTURE SUPPORTS

330XB-A2 Vertical, Adjustable Water Closet Support - No-Hub (1,000Lb. Rating)



ASME LOAD RATING - 1000 LB.



330XB-NR44-A2

Regularly Furnished: Adjustable siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has two 4" side inlets.

Model	Wt. Lbs.	Style	Side Inlet Connection	Connection Type	Regularly Furnished	Dimensions		
						A	B	C
330XB-NR44-A2	98.9	SGL RH (2 Inlet)	Dual	No-Hub	$7,807.00	6-1/2"	11-5/8"	-
330XB-NL44-A2	98.9	SGL LH (2 Inlet)	Dual		7,807.00	6-1/2"	-	-
330XB-ND44-A2	167.8	DBL (2 Inlets)	Dual		14,283.00	6-1/2"	-	13"

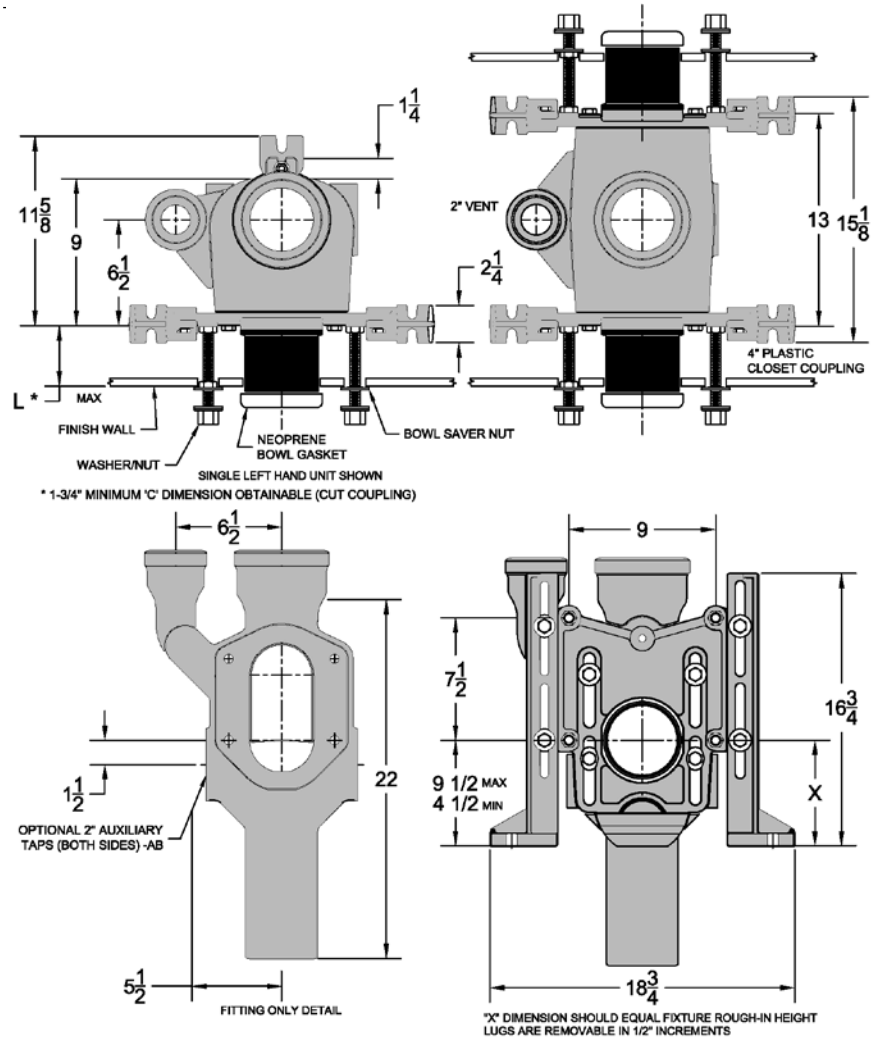
Suffix Options			
Suffix	**Description**		**Add**
AM1	Flush Valve Support	Sgl	$ 122.00
		Dbl	244.00
AM21	Tiling Flange	Sgl	116.00
		Dbl	231.00
FPO	Adjustable All Thread ABS Coupling		N/C
HR	High Rough Faceplate *		N/C

Suffix Options			
Suffix	**Description**		**Add**
LR	Low Rough Faceplate		N/C
M3	Vandal Proof Hardware	Sgl.	$ 185.00
		Dbl.	370.00
M26	Adjustable Cast Iron Coupling (Up to 12").		N/C

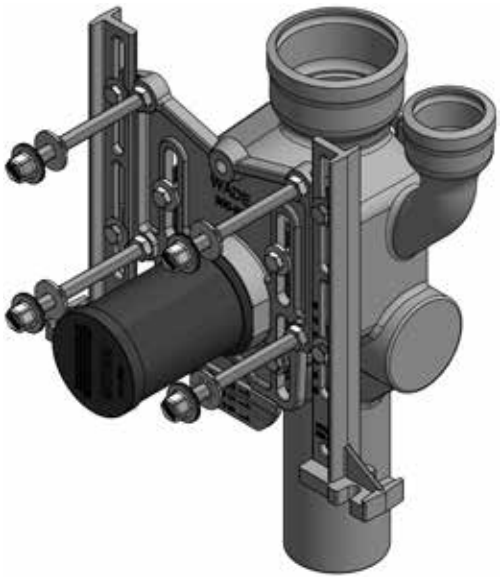
**Dimensions vary from illustration*

FIXTURE SUPPORTS

330 Vertical, Adjustable Water Closet Support - SV Hub & Spigot



ASME LOAD RATING - 300 LB.



330-CR4

Regularly Furnished: Adjustable siphon jet water closet support provides a rigid system with hub & spigot connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

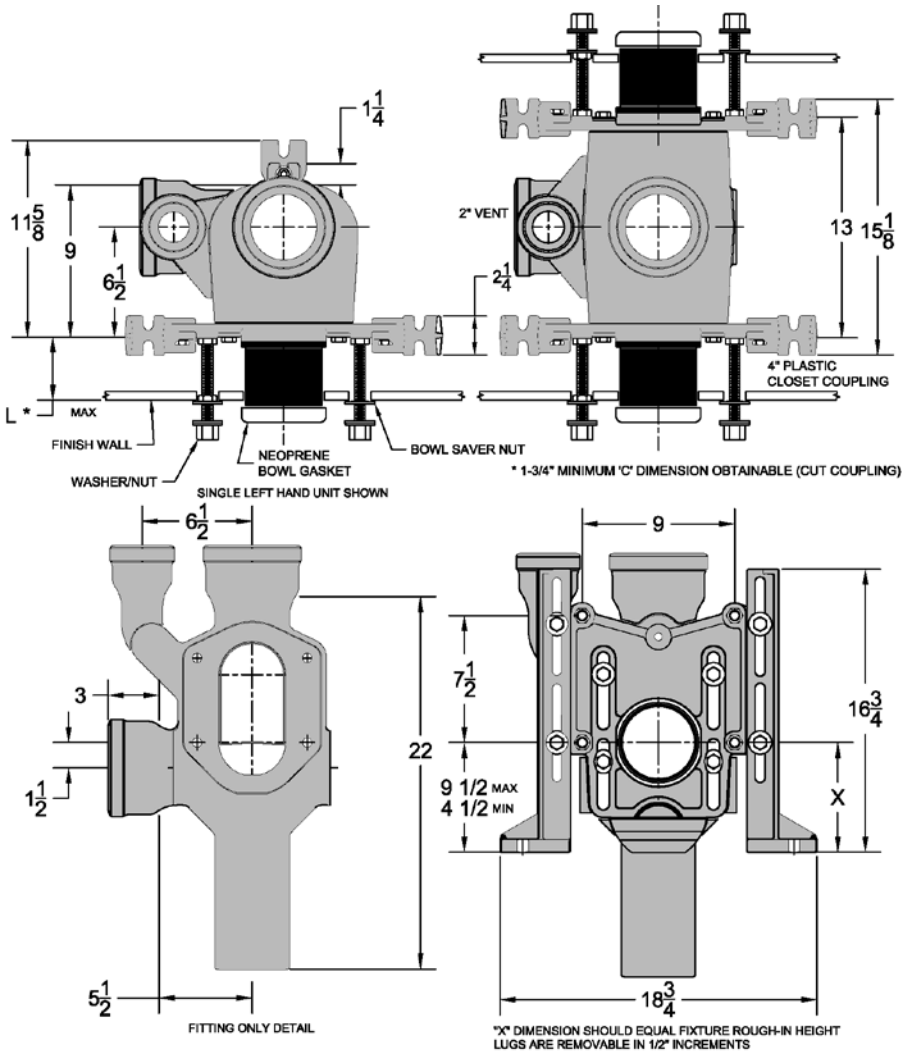
Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished
330-CR4	69.4	SGL RH	SV Hub & Spigot	$2,637.00
330-CL4	69.4	SGL LH		2,637.00
330-CD4	117.8	DBL		4,561.00

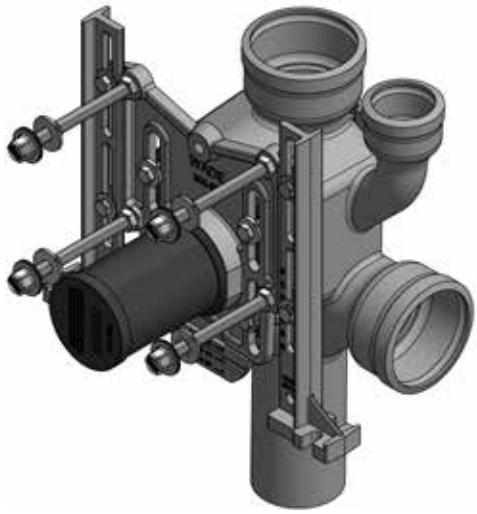
Suffix Options			
Suffix	**Description**		**Add**
HD	Heavy Duty Faceplate (500lb.)	Sgl.	$ 357.00
		Dbl.	714.00
XH	Extra Heavy Duty Faceplate (750lb,)	Sgl.	2,484.00
		Dbl.	4,263.00
XB	Bariatric Faceplate (1,000lb.).	Sgl.	4,170.00
		Dbl.	8,340.00
LR	Low Rough Faceplate (300lb.)		N/C
PF	Pre-Fab Faceplate Assembly		N/C
JJ	Dual 2" Female Threaded Auxiliary Inlets		990.00
JL	2" Female Threaded Left Hand Auxiliary Inlet		494.00
JR	2" Female Threaded Right Hand Auxiliary Inlet		494.00

Suffix Options		Add (Deduct)	
Suffix	**Description**	**Single**	**Double**
AM1	Flush Valve Support	$ 122.00	$ 244.00
AM21	Tiling Flange	116.00	231.00
ECC11	Extended Coupling & Hardware (11")	N/C	N/C
ECC14	Extended Coupling & Hardware (14")	278.00	555.00
ECC24	Extended Coupling & Hardware (24")	1,659.00	3,318.00
FPO	6" Adjustable All Thread ABS Coupling	N/C	N/C
FPO/ECC14	14" Adjustable All Thread ABS Coupling	278.00	555.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Rod Support Feet (Required for ECC)	439.00	878.00
M14	Floor Mount Back Outlet Adapter	(215.00)	(429.00)
M26	Adjustable Cast Iron Coupling	N/C	N/C

330-A1 Vertical, Adjustable Water Closet Support - Hub & Spigot

ASME LOAD RATING - 300 LB.





330-CR44-A1

Regularly Furnished: Adjustable siphon jet water closet support provides a rigid system with hub & spigot connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has one 4" hub inlet.

Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished
330-CR44-A1	85.0	SGL RH	SV Hub & Spigot	$3,062.00
330-CL44-A1	85.0	SGL LH		3,062.00
330-CD44-A1	135.0	DBL		4,984.00

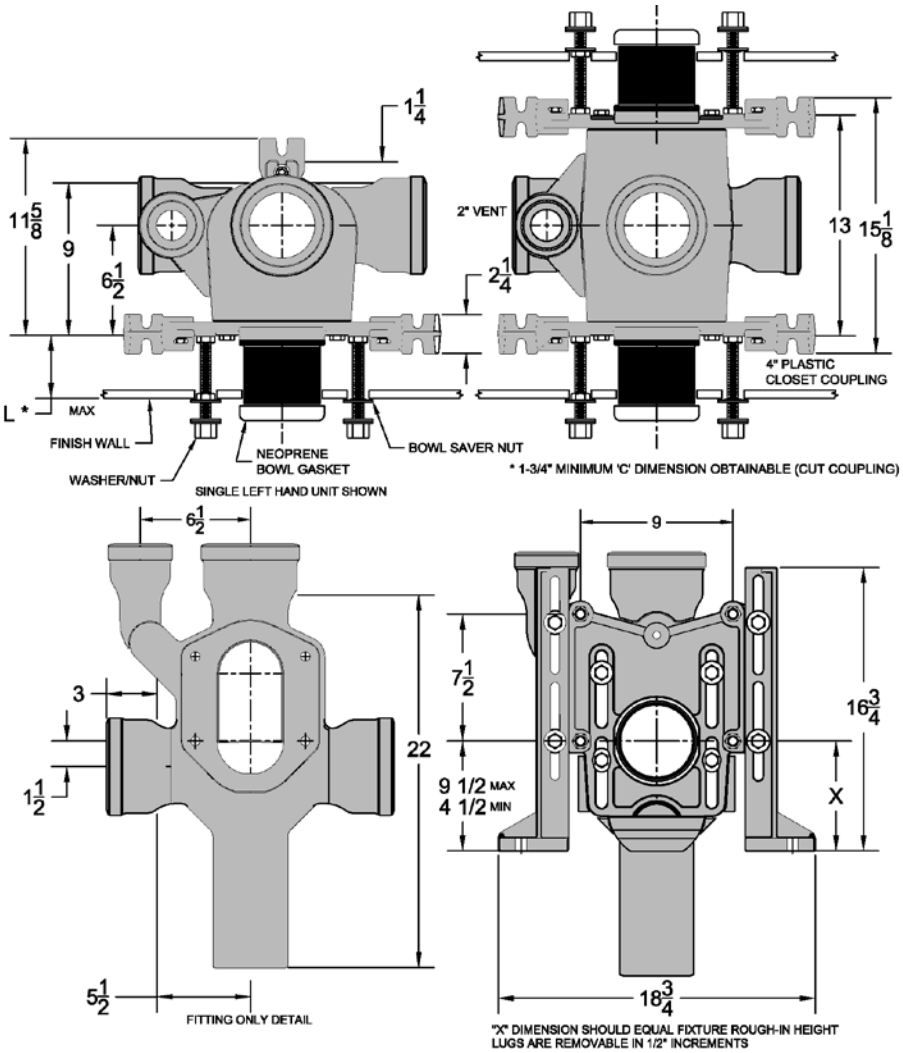
Suffix Options			
Suffix	**Description**		**Add**
HD	Heavy Duty Faceplate (500lb.)	Sgl.	$ 357.00
		Dbl.	714.00
XH	Extra Heavy Duty Faceplate (750lb,)	Sgl.	2,484.00
		Dbl.	4,263.00
XB	Bariatric Faceplate (1,000lb.).	Sgl.	4,170.00
		Dbl.	8,340.00
LR	Low Rough Faceplate (300lb.)		N/C
PF	Pre-Fab Faceplate Assembly		N/C

Suffix Options		Add (Deduct)	
Suffix	**Description**	**Single**	**Double**
AM1	Flush Valve Support	$ 122.00	$ 244.00
AM21	Tiling Flange	116.00	231.00
ECC11	Extended Coupling & Hardware (11")	N/C	N/C
ECC14	Extended Coupling & Hardware (14")	278.00	555.00
ECC24	Extended Coupling & Hardware (24")	1,659.00	3,318.00
FPO	6" Adjustable All Thread ABS Coupling	N/C	N/C
FPO/ECC14	14" Adjustable All Thread ABS Coupling	278.00	555.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Rod Support Feet (Required for ECC)	439.00	878.00
M14	Floor Mount Back Outlet Adapter	(215.00)	(429.00)
M26	Adjustable Cast Iron Coupling	N/C	N/C

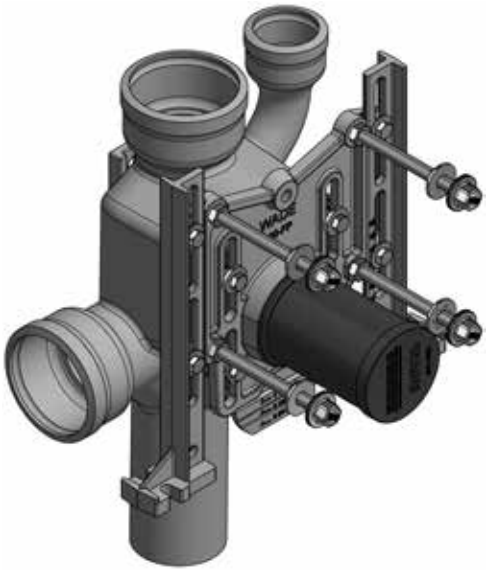
**Dimensions vary from illustration*

FIXTURE SUPPORTS

330-A2 Vertical, Adjustable Water Closet Support - Hub & Spigot



ASME LOAD RATING - 300 LB.



330-CR44-A2

Regularly Furnished: Adjustable siphon jet water closet support provides a rigid system with hub & spigot connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, adjustable gasketed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket. Fitting has two 4" hub inlets.

Model	Wt. Lbs.	Style	Connection Type	Regularly Furnished
330-CR44-A2	90.0	SGL RH	SV Hub & Spigot	$3,490.00
330-CL44-A2	90.0	SGL LH		3,490.00
330-CD44-A2	145.0	DBL		5,414.00

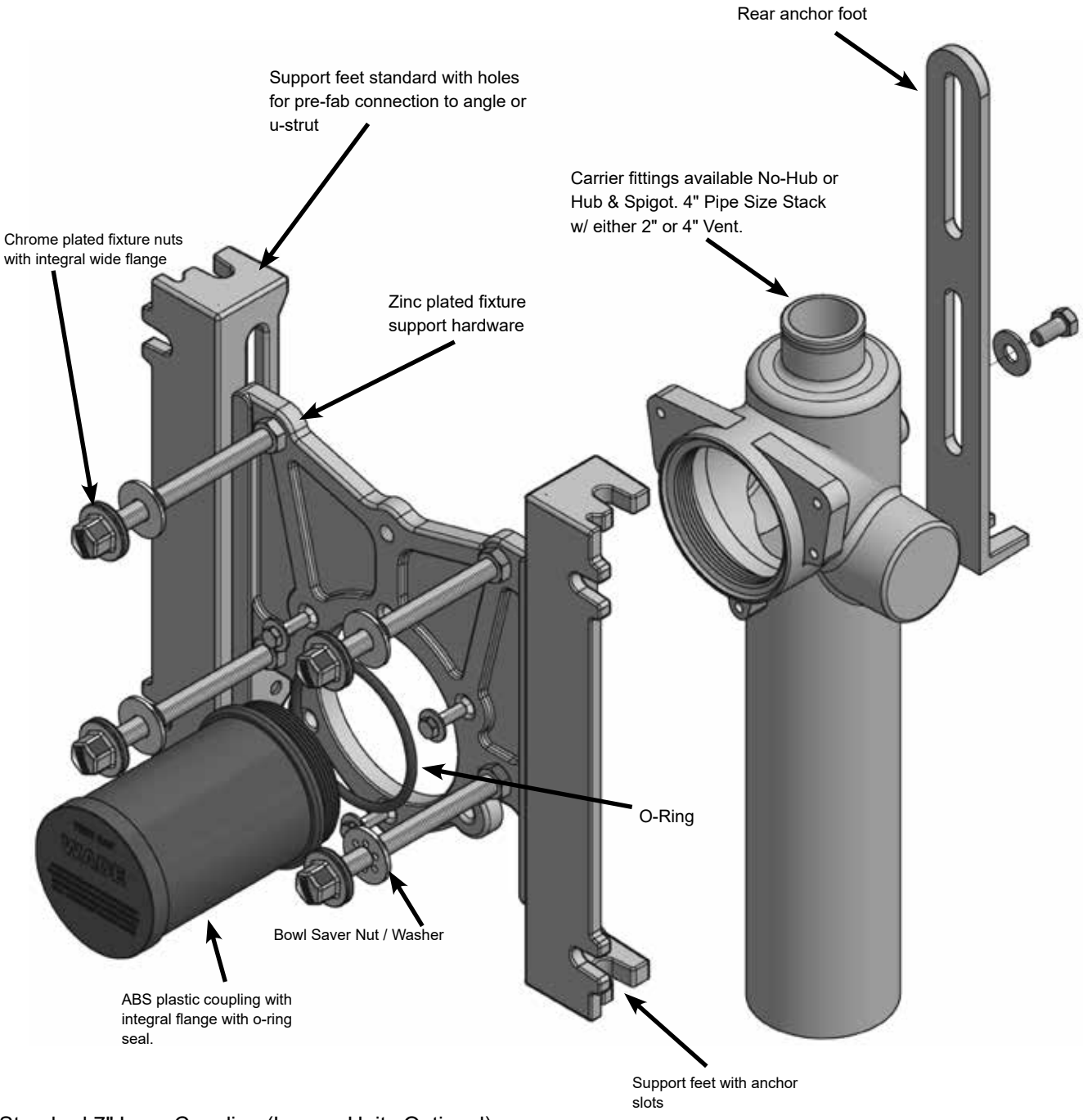
Suffix Options			
Suffix	**Description**		**Add**
HD	Heavy Duty Faceplate (500lb.)	Sgl.	$ 357.00
		Dbl.	714.00
XH	Extra Heavy Duty Faceplate (750lb,)	Sgl.	2,484.00
		Dbl.	4,263.00
XB	Bariatric Faceplate (1,000lb.).	Sgl.	4,170.00
		Dbl.	8,340.00
LR	Low Rough Faceplate (300lb.)		N/C
PF	Pre-Fab Faceplate Assembly		N/C

Suffix Options		Add (Deduct)	
Suffix	**Description**	**Single**	**Double**
AM1	Flush Valve Support	$ 122.00	$ 244.00
AM21	Tiling Flange	116.00	231.00
ECC11	Extended Coupling & Hardware (11")	N/C	N/C
ECC14	Extended Coupling & Hardware (14")	278.00	555.00
ECC24	Extended Coupling & Hardware (24")	1,659.00	3,318.00
FPO	6" Adjustable All Thread ABS Coupling	N/C	N/C
FPO/ECC14	14" Adjustable All Thread ABS Coupling	278.00	555.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Rod Support Feet (Required for ECC)	439.00	878.00
M14	Floor Mount Back Outlet Adapter	(215.00)	(429.00)
M26	Adjustable Cast Iron Coupling	N/C	N/C

**Dimensions vary from illustration*

General Product Information

350-N2 (Fixed Vertical Water Closet Carrier w/ On Stack Vent)



Standard 7" Long Coupling (Longer Units Optional)

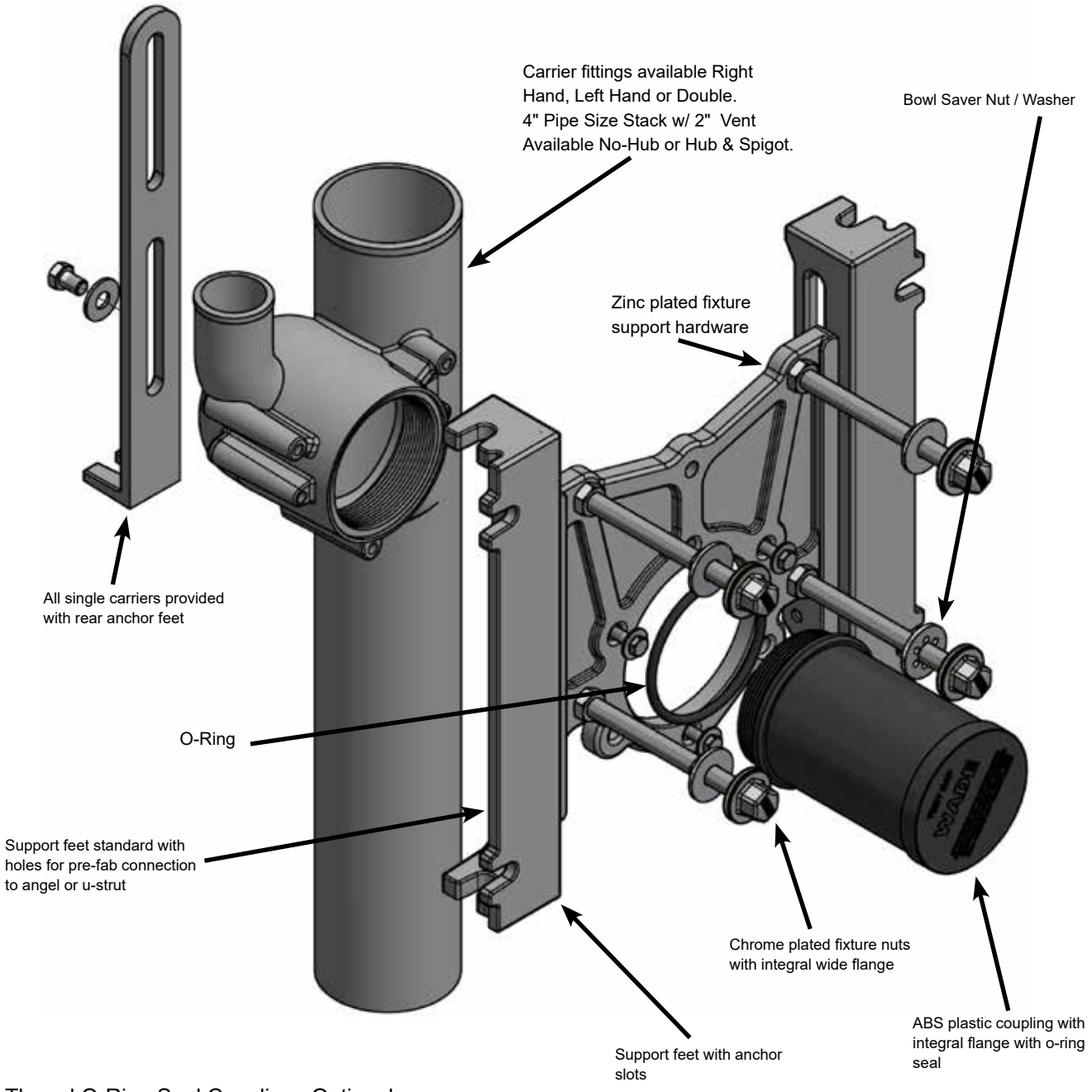
Auxiliary Side Inlets Optional

ASME Load Rating - 300 Lb.

FIXTURE SUPPORTS

General Product Information

360-NL (Fixed Vertical Water Closet Carrier w/ Offset Vent)



All Thread O-Ring Seal Couplings Optional

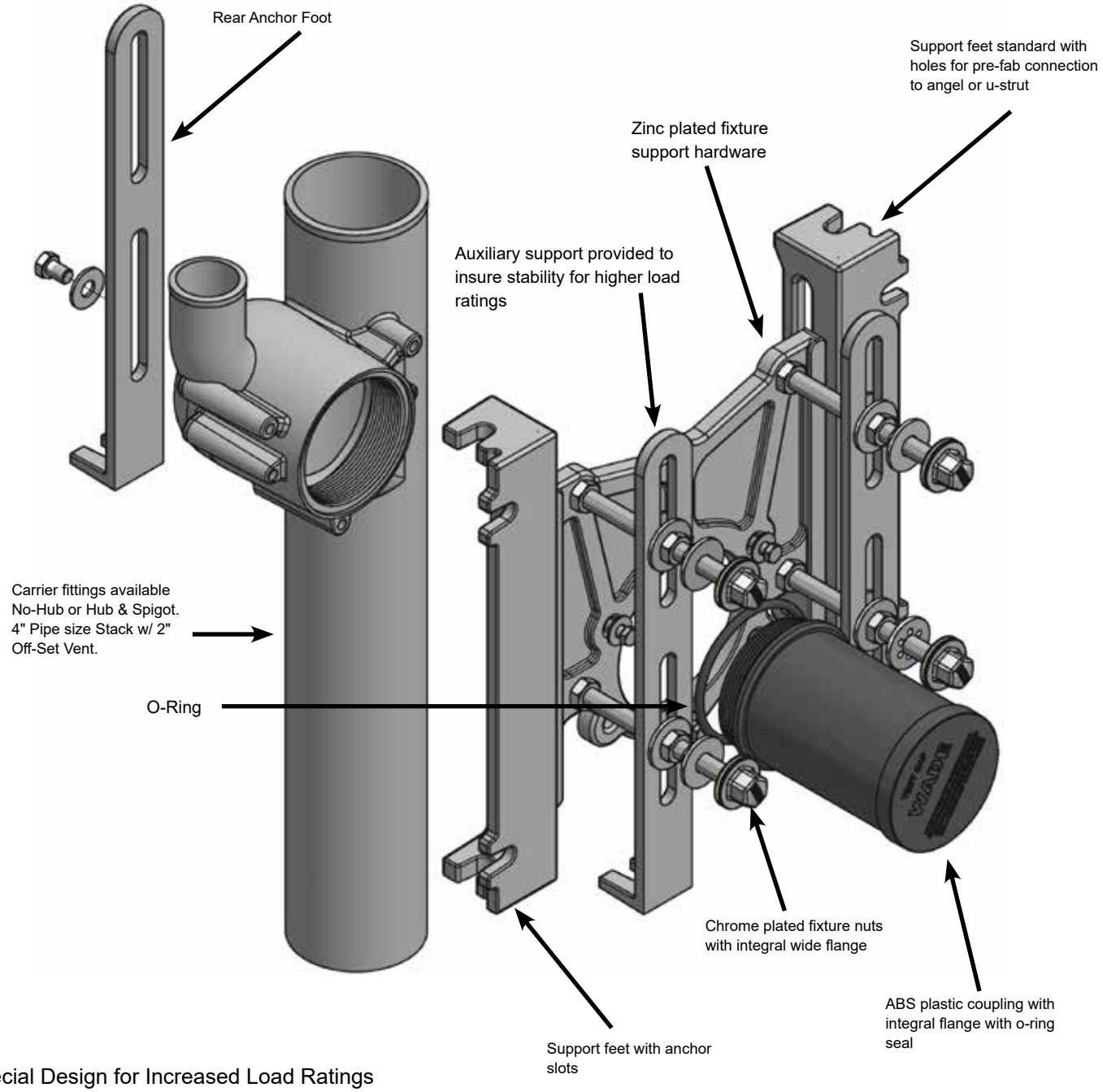
Auxiliary Side Inlets Optional

Standard 7" Long Coupling (Longer Units Optional)

ASME Load Rating - 300 Lb.

General Product Information

360 (HD,XH,XB)-NL (Fixed Vertical Water Closet Carrier w/ Offset Vent)



Special Design for Increased Load Ratings

All Thread O-Ring Seal Couplings Optional

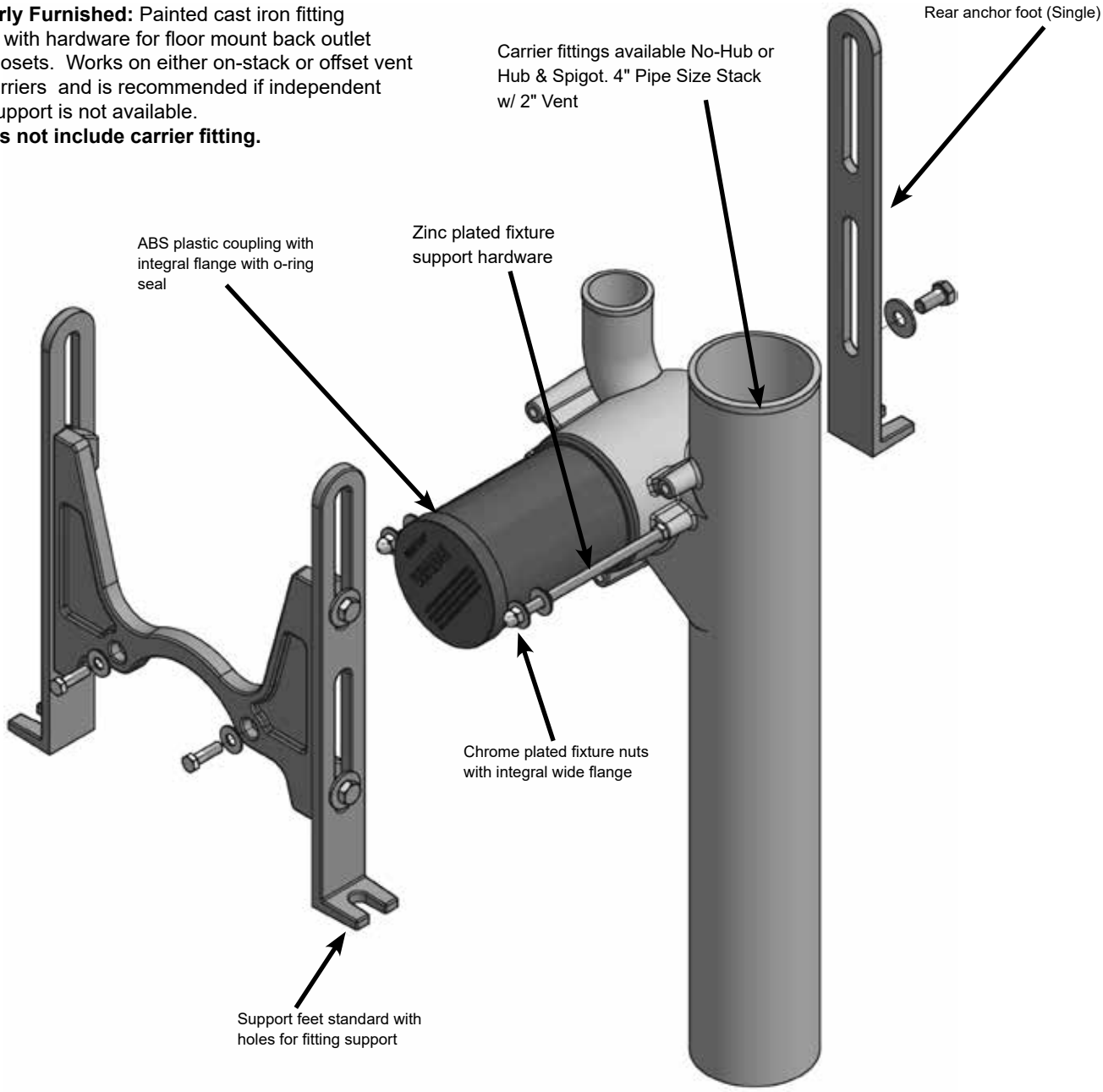
Standard 7" Long Coupling

ASME Load Rating - (HD) 500 Lb. / (XH) 750 Lb. / (XB) 1000 Lb.

General Product Information

360-NL-M15 (Fixed Vertical Water Closet Carrier w/ Offset Vent) Floor Mount Back Outlet

Regularly Furnished: Painted cast iron fitting support with hardware for floor mount back outlet water closets. Works on either on-stack or offset vent fixed carriers and is recommended if independent fitting support is not available.
Kit does not include carrier fitting.

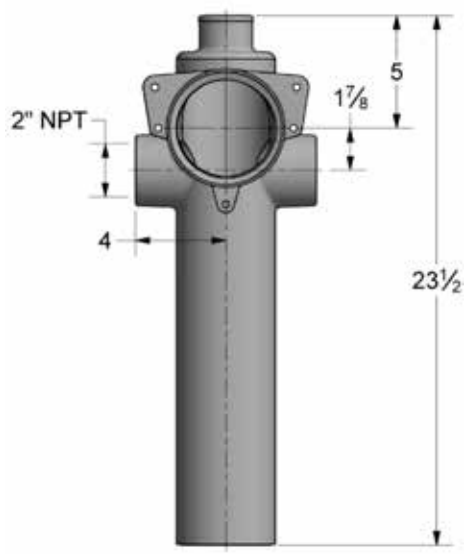


Standard 7" Long Coupling (Longer Units Optional)

Auxiliary Side Inlets Optional

General Product Information - Optional Inlets & Vents Adapter Fittings

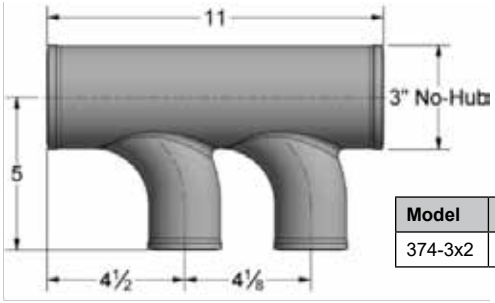
350 Vertical Fixed On-Stack Support



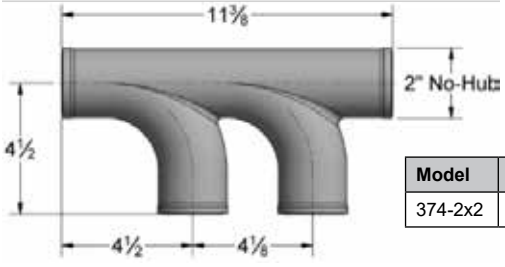
Suffix Options		
Suffix	**Description**	**Add**
JL	2" Female Thread Left Hand Auxiliary Inlet	$ 494.00
JR	2" Female Thread Right Hand Auxiliary Inlet	494.00
JJ	Dual 2" Female Threaded Auxiliary Inlets	990.00

374 Vent Adapter Fitting

Regularly Furnished: Painted cast iron sanitary tee vent adapter fitting with dual 2" no-hub inlets.

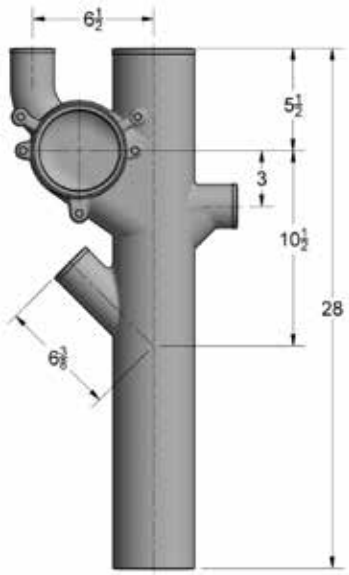


Model	List Price	Wt.
374-3x2	$ 448.00	6.5

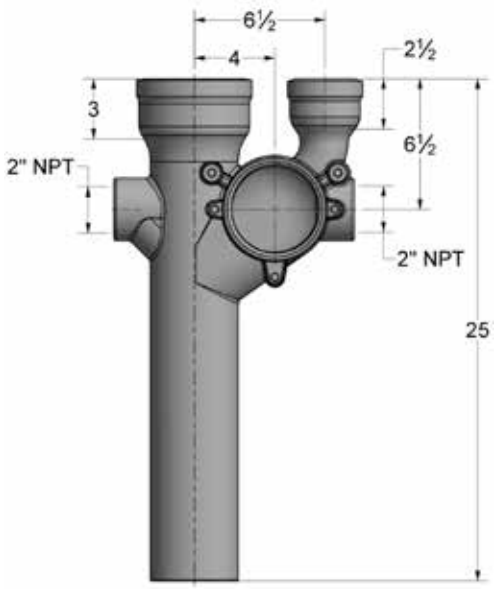


Model	List Price	Wt.
374-2x2	$ 448.00	5.0

360 Vertical Fixed Off-Set Support



Suffix Options		
Suffix	**Description**	**Add**
JS	2" Stack Side No-Hub Auxiliary Inlet	$ 494.00
JV	2" Vent Side 45° No-Hub Auxiliary Inlet	494.00
JJ	Dual 2" Female Threaded Auxiliary Inlets	990.00

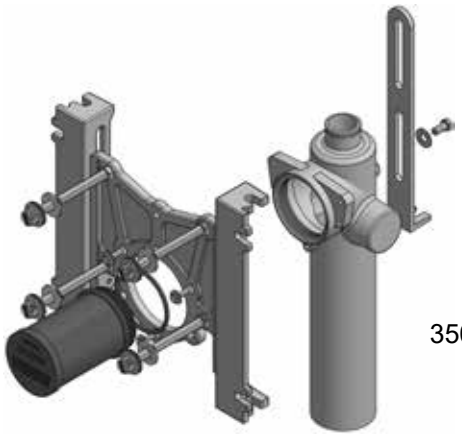


FIXTURE SUPPORTS

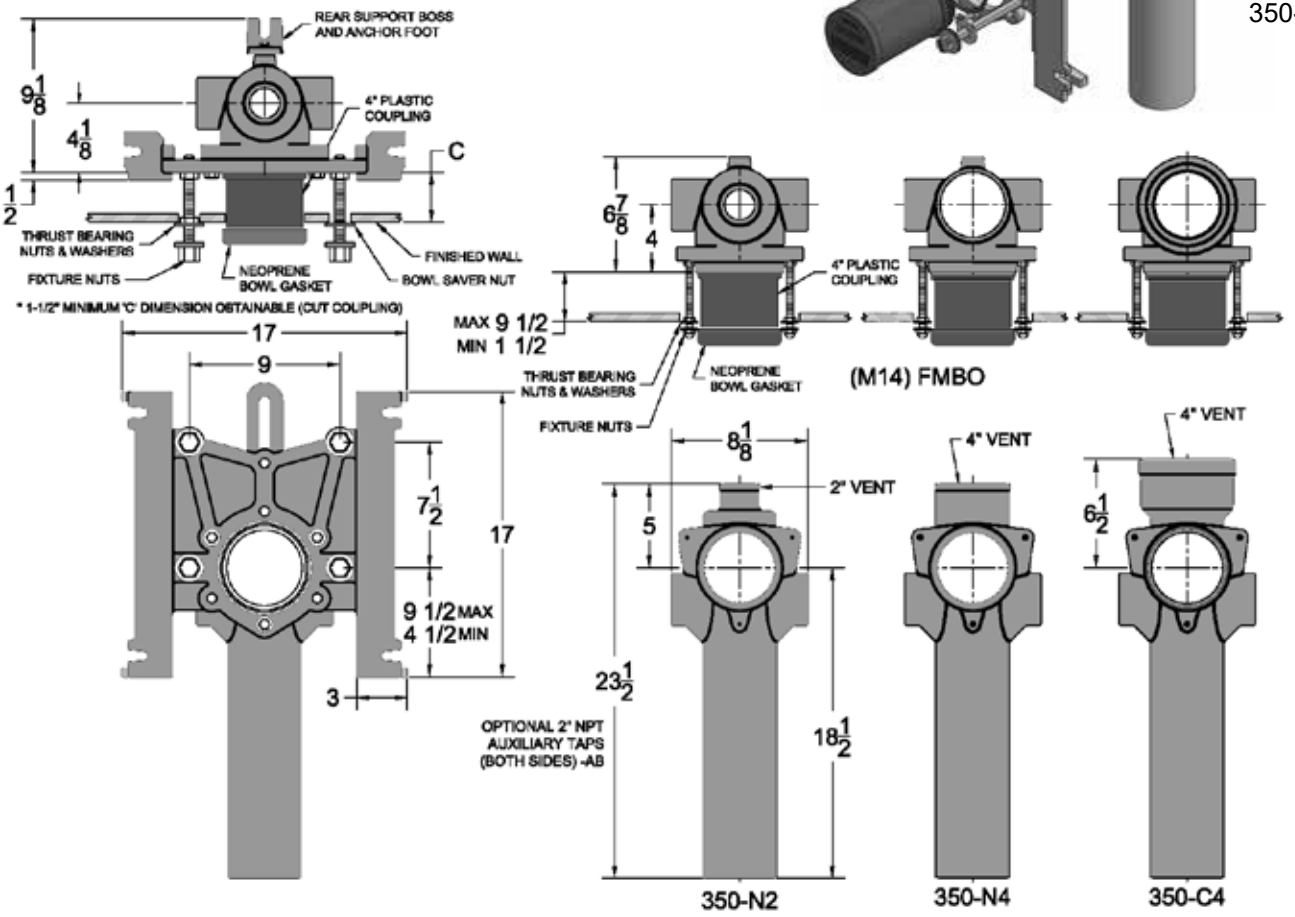
350 Vertical, Fixed Water Closet Support (On-Stack Vent)

ASME LOAD RATING - 300 LB.

Regularly Furnished: Fixed, vertical siphon jet water closet support provides a rigid system with No-Hub or hub & spigot connections. Comes complete with painted cast iron main fitting, 2" or 4" vent, fixed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.



350-N2



Model	Wt. Lbs.	Connection Type	Regularly Furnished	Pipe Size	Vent Size
350-C4	95.0	Hub & Spigot	$ 1,999.00	4"	4"
350-N2	95.0	No-Hub	1,950.00	4"	2"
350-N4	95.0	No-Hub	1,950.00	4"	4"

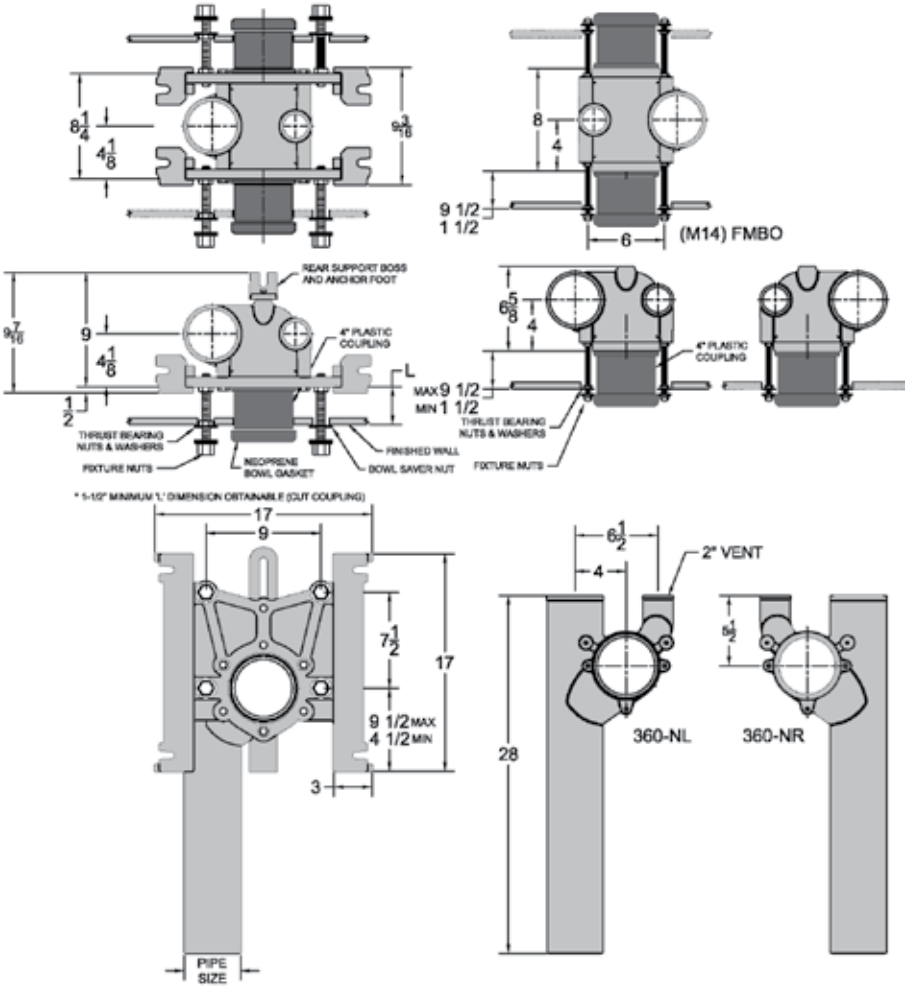
Suffix Options		Add
Suffix	Description	Single
AM1	Flush Valve Support	$ 122.00
AM21	Tiling Flange	116.00
ECC11	Extended Coupling & Hardware (11")	N/C
ECC14	Extended Coupling & Hardware (14")	278.00
ECC24	Extended Coupling & Hardware (24")	1,659.00

Suffix Options		Add
Suffix	Description	Single
HD	Heavy Duty (500 Lb. Rating)	$ 357.00
XH	Extra Heavy Duty (750 Lb. Rating)	2,484.00
XB	Bariatric (1,000 Lb. Rating)	4,170.00
Auxiliary Inlet Options		**Add**
JL	2" Female Thread Left Hand Auxiliary Inlet	494.00
JR	2" Female Thread Right Hand Auxiliary Inlet	494.00
JJ	Dual 2" Female Threaded Auxiliary Inlets	990.00
Suffix Options		**Deduct**
M14	FMBO Fitting Only (Less Faceplate)	(913.00)
M15	FMBO w/ Fitting Support	(100.00)

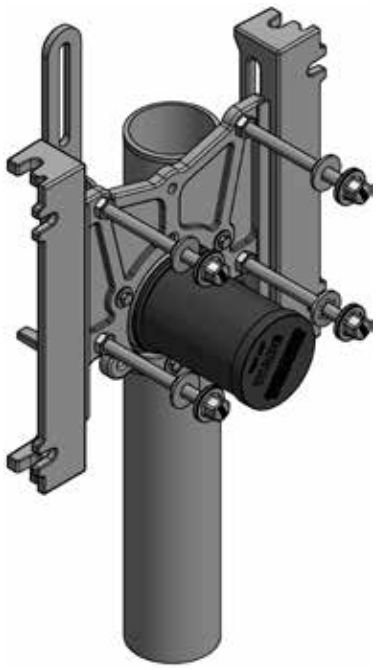
WADE

FIXTURE SUPPORTS

360 Fixed Offset Vertical Fixed Water Closet Support (No-Hub)



ASME LOAD RATING - 300 LB.



360-NL4

Model	Wt. Lbs.	Regularly Furnished	Connection Type	Pipe Size
360-NL4	60.0	$ 1,936.00	No-Hub	Left
360-NR4	60.0	1,936.00	No-Hub	Right
360-ND4	100.0	3,320.00	No-Hub	Double

Suffix Options		Add	
Suffix	**Description**	**Single**	**Double**
ECC11	Extended Coupling & Hardware (11")	N/C	N/C
ECC14	Extended Coupling & Hardware (14")	278.00	555.00
ECC24	Extended Coupling & Hardware (24")	1,659.00	3,318.00
FPO	6" Adjustable All Thread ABS Coupling	N/C	N/C
FPO/ECC14	14" Adjustable All Thread ABS Coupling	278.00	555.00

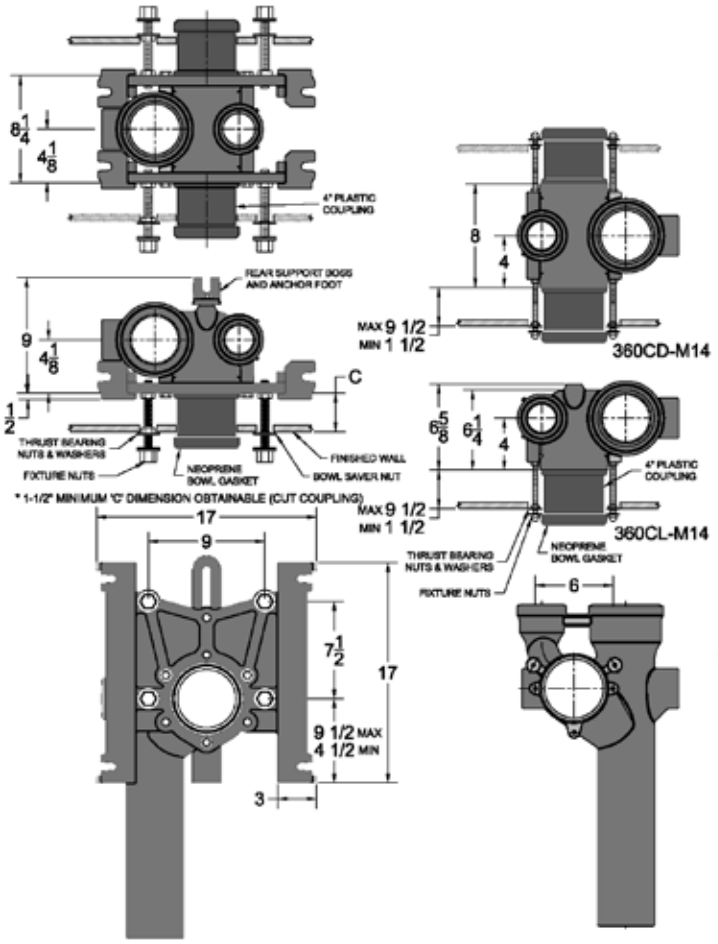
Regularly Furnished: Fixed, vertical siphon jet water closet support provides a rigid system with No-Hub connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, fixed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

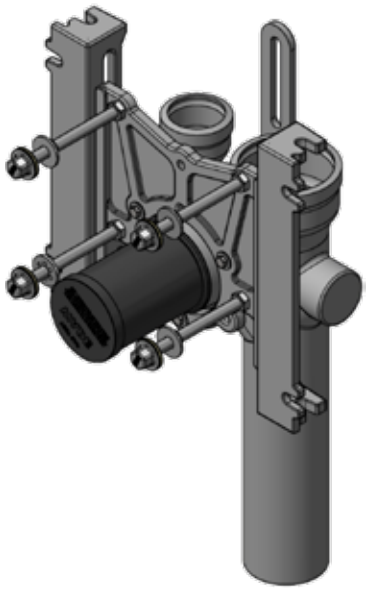
Faceplate Variations		Add	
Suffix	**Description**	**Single**	**Double**
HD	Heavy Duty (500 Lb. Rating)	$ 357.00	$ 714.00
XH	Extra Heavy Duty (750 Lb. Rating)	2,484.00	4,263.00
XB	Bariatric (1,000 Lb. Rating)	4,170.00	8,340.00
Suffix Options		**Add**	
AM1	Flush Valve Support	$ 122.00	$ 244.00
AM21	Tiling Flange	116.00	231.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Rod Support Feet (Req'd for ECC)	439.00	878.00
M26	Adjustable Cast Iron Coupling	N/C	N/C
Floor Mount Back Outlet Variations		**Deduct**	
M14	FMBO Fitting Only (Less Faceplate)	(913.00)	(1,827.00)
M15	FMBO w/ Fitting Support	(100.00)	(201.00)
Auxiliary Inlets		**Add**	
JS	2" Stack Side No-Hub Inlet	494.00	494.00
JV	2" Vent Side 45° No-Hub Inlet	494.00	494.00
JJ	2" No-Hub Inlets (Both Sides)	990.00	990.00

FIXTURE SUPPORTS

360 Fixed Offset Vertical Water Closet Support (Hub & Spigot)

ASME LOAD RATING - 300 LB.





360-CL4

Model	Wt. Lbs.	Regularly Furnished	Connection Type	Pipe Size
360-CL4	75.0	$ 1,999.00	Hub & Spigot	Left
360-CR4	75.0	1,999.00	Hub & Spigot	Right
360-CD4	106.0	3,425.00	Hub & Spigot	Double

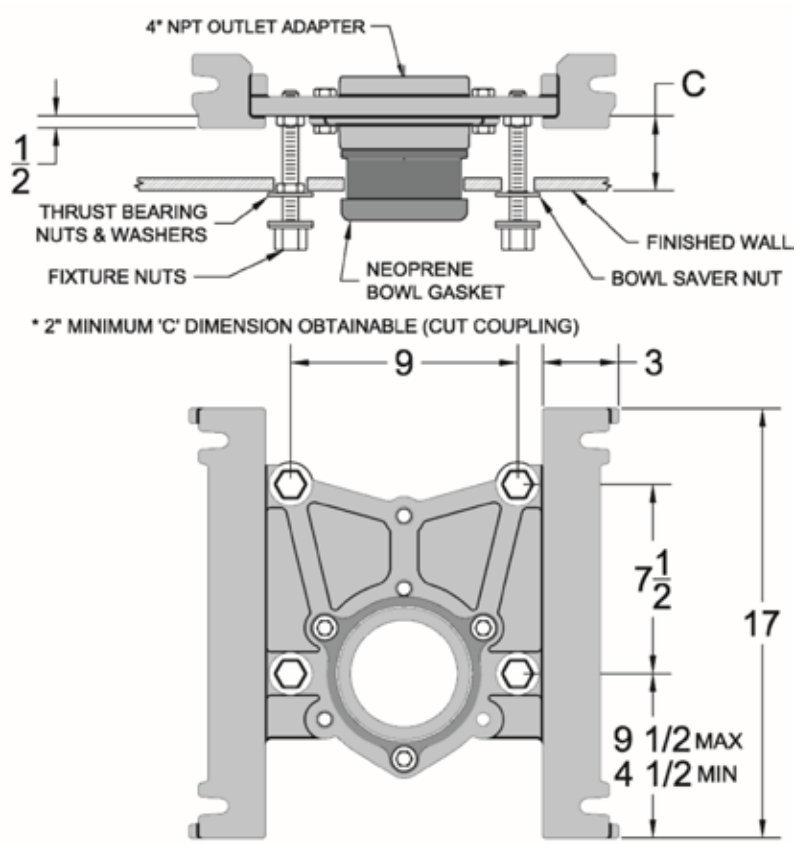
Suffix Options		Add	
Suffix	**Description**	**Single**	**Double**
ECC11	Extended Coupling & Hardware (11")	N/C	N/C
ECC14	Extended Coupling & Hardware (14")	278.00	555.00
ECC24	Extended Coupling & Hardware (24")	1,659.00	3,318.00

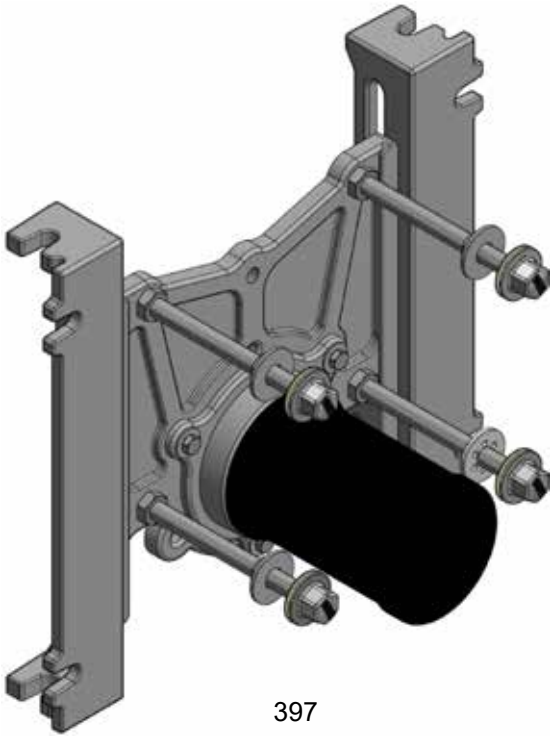
Regularly Furnished: Fixed, vertical siphon jet water closet support provides a rigid system with hub & spigot connections. Comes complete with painted cast iron right-hand, left-hand, or double main fitting, 2" vent, fixed faceplate, universal floor mounted foot supports, corrosion resistant polymer coupling with integral test cap, fixture studs, trim, and stud protectors. Includes rear anchor tie down and bowl gasket.

Faceplate Variations		Add	
Suffix	**Description**	**Single**	**Double**
HD	Heavy Duty (500 Lb. Rating)	$ 357.00	$ 714.00
XH	Extra Heavy Duty (750 Lb. Rating)	2,484.00	4,263.00
XB	Bariatric (1,000 Lb. Rating)	4,170.00	8,340.00
Suffix Options		**Add**	
AM1	Flush Valve Support	$ 122.00	$ 244.00
AM21	Tiling Flange	116.00	231.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Rod Support Feet (Req'd for ECC)	439.00	878.00
M26	Adjustable Cast Iron Coupling	N/C	N/C
Floor Mount Back Outlet Variations		**Deduct**	
M14	FMBO Fitting Only (Less Faceplate)	(913.00)	(1,827.00)
M15	FMBO w/ Fitting Support	(100.00)	(201.00)
Auxiliary Inlets		**Add**	
JS	2" Stack Side No-Hub Inlet	494.00	494.00
JV	2" Vent Side 45° No-Hub Inlet	494.00	494.00
JJ	2" No-Hub Inlets (Both Sides)	990.00	990.00

397 Closet Carrier Without Fitting

ASME LOAD RATING - 300 LB.





397

Regularly Furnished: Cast iron closet carrier face plate with adjustable feet, 4” NPT waste connection adapter, ABS coupling, neoprene bowl gasket, fixture support studs, chrome plated cap nuts and zinc plated hardware. Base must be securely anchored to concrete floor with 1/2” anchors (furnished by others) If rod support feet are provided, they must be anchored to floor. Maximum ‘C’ Dimension is 6” with standard hardware. Longer couplings available when specified.

Model	Wt. Lbs.	Regularly Furnished	Connection Type
397	38.6	$ 1,175.00	4" NPT Adapter

Suffix Options		Add	
Suffix	Description	Single	Double
ECC11	Extended Coupling & Hardware (11" Cplg.)	N/C	N/C
ECC14	Extended Coupling & Hardware (14" Cplg.)	$ 278.00	$ 555.00
ECC24	Extended Coupling & Hardware (24" Cplg.)	1,659.00	3,318.00

Suffix Options		Add
AM1	Flush Valve Support	$ 122.00
AM21	Tiling Frame	116.00
M3	Vandal Proof Hardware	185.00
M4	Rod Support Feet (Req'd for ECC)	439.00
M26	Adjustable Cast Iron Coupling	N/C

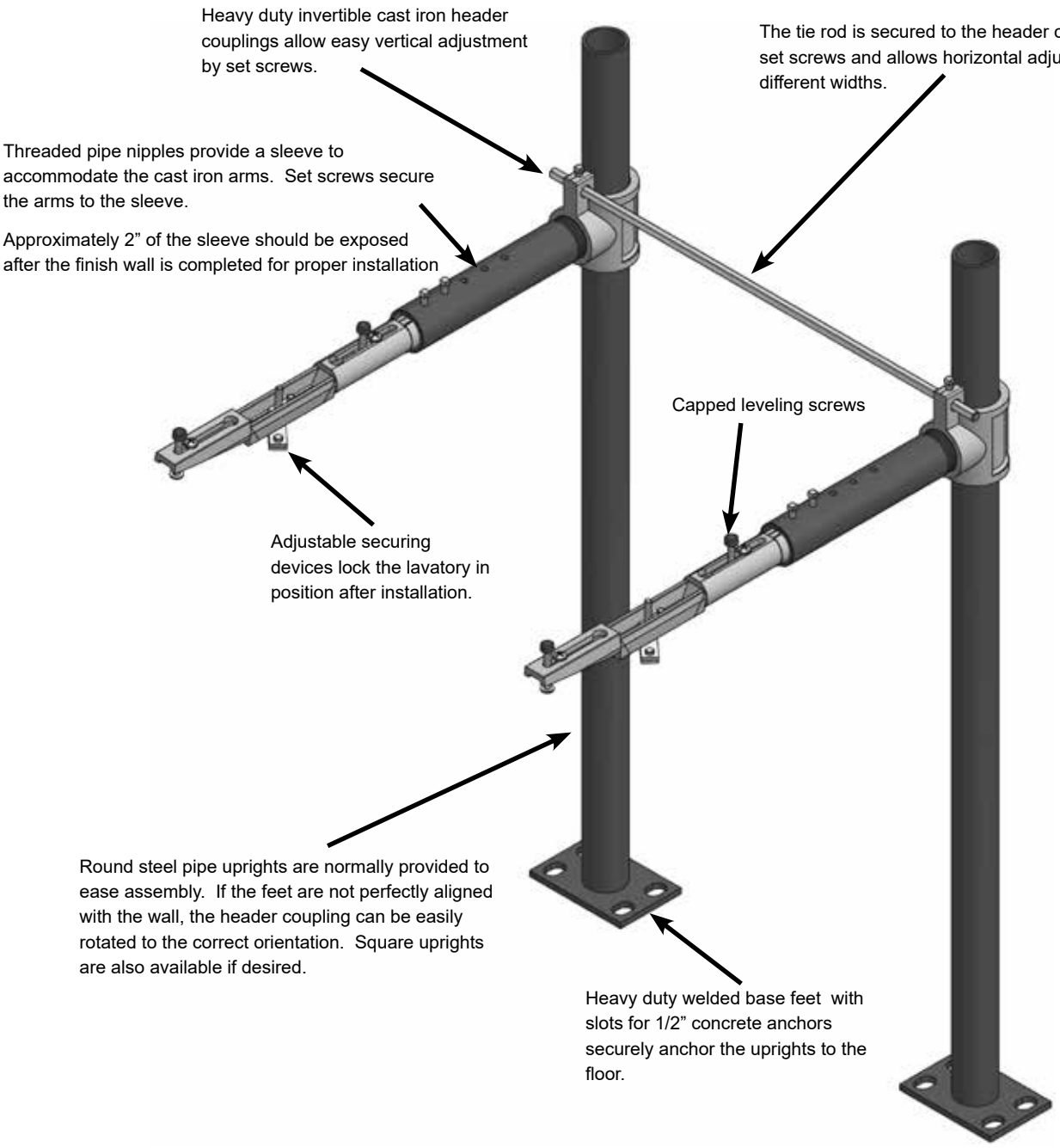
**Dimensions vary from illustration*

Installation Note: For ASME load rating, additional support is required by securing feet and faceplate to the building support structure. If additional support is not available or is inadequate, M4 rod support feet are recommended.

FIXTURE SUPPORTS

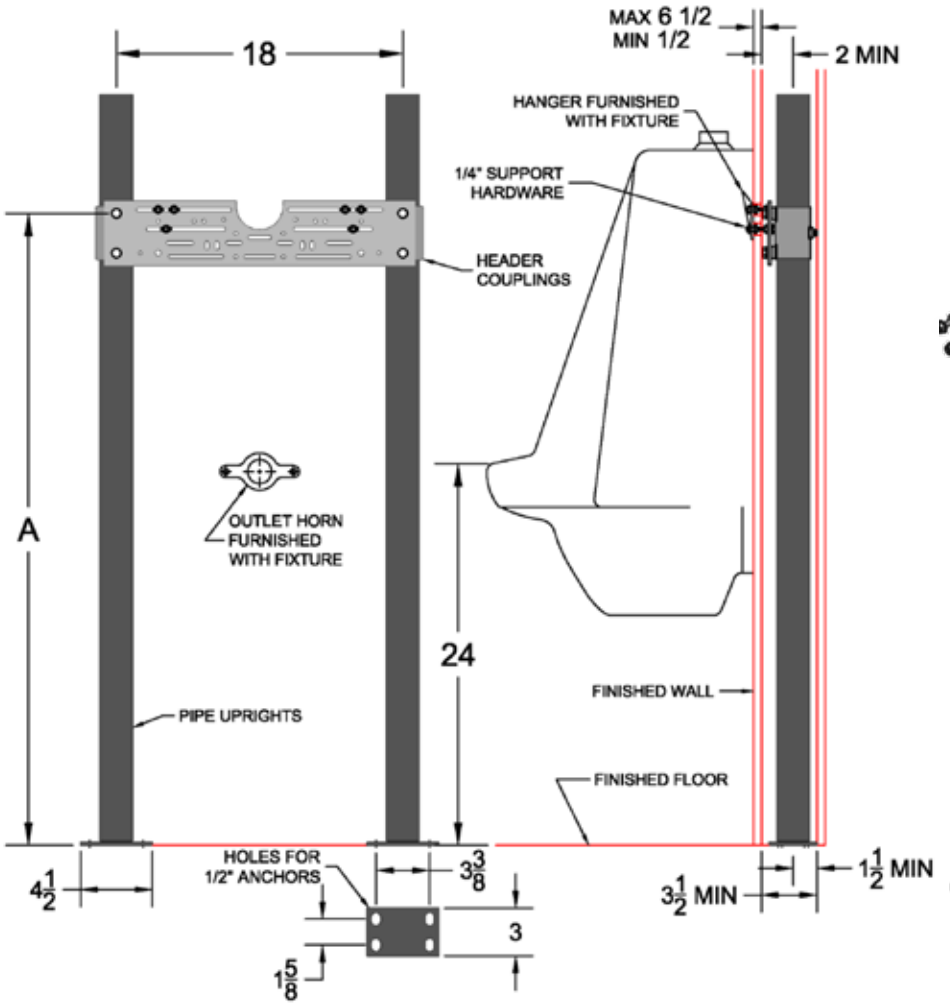
General Product Information

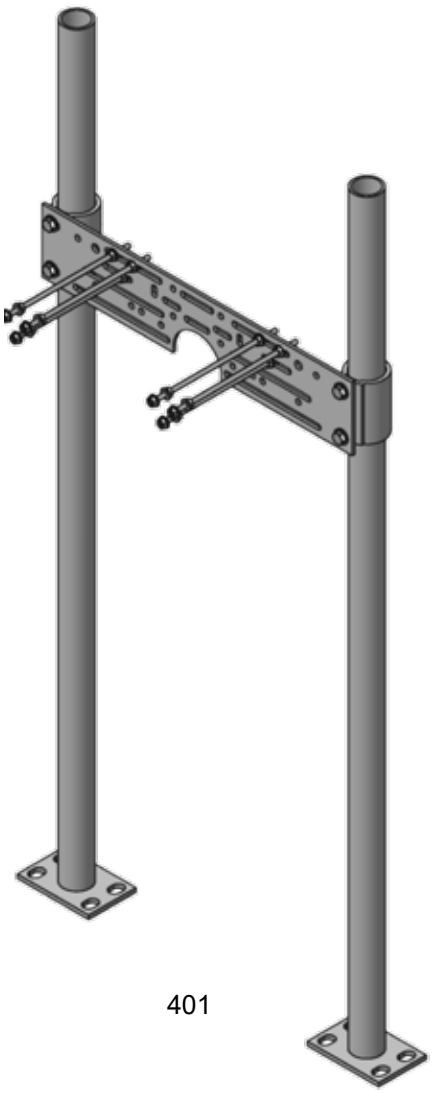
520 Concealed Arm Lavatory Carrier



Wade concealed arm fixture supports secure and support lavatories by means of cast iron arms with leveling and securing devices. By virtue of their modular design, they accommodate all types of lavatories punched for concealed arms. Cast iron arms are furnished as pairs, in various lengths and styles dependent upon lavatory size. The leveling and securing methods are the same for each arm length. After the carrier is installed and the walls are completed, the pipe sleeves and arm assemblies are adjusted to accommodate the specified lavatory. The installation is completed by sliding the lavatory over the arms, leveling it through the access holes and securely locking it in place with the securing devices.

401 Urinal Carrier





401

ASME LOAD RATING - TYPE II 200 LB.

Model	Configuration	List Price	Wt. Lbs.
401	Single	$ 1,022.00	30.0
401-D	Double (Back to Back)	1,355.00	35.0

Regularly Furnished: Plate type urinal carrier with round steel uprights, hanger support plate & rectangular base feet.

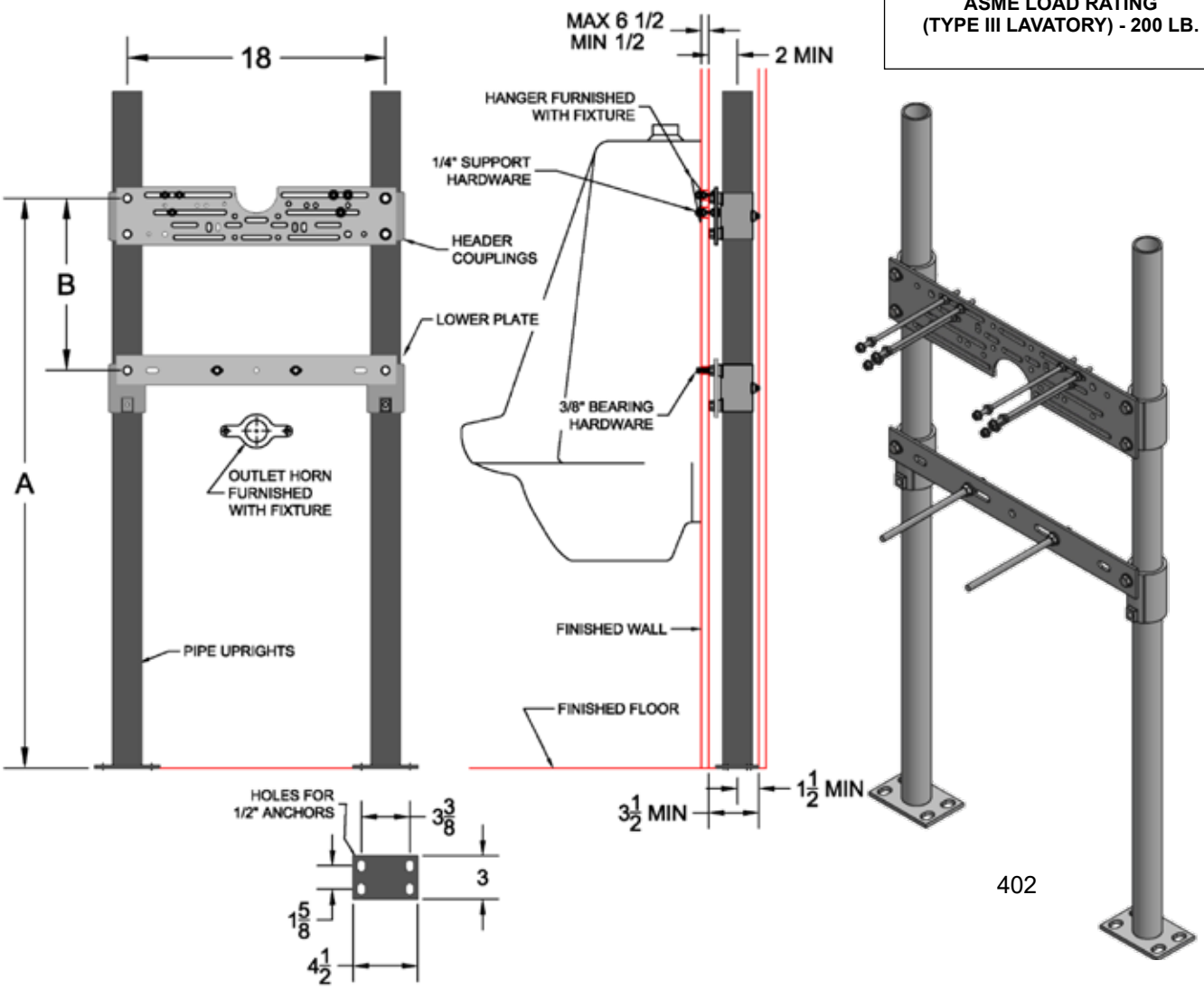
Suffix Options		Add	
Suffix	Description	401	401-D
AM1	Flush Valve Support *	$ 122.00	$ 244.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Longer Hardware for Thicker Walls (Per in)	72.00	143.00
M18	Extra Long Upright	1,359.00	1,359.00
M36	Rectangular Uprights	N/C	N/C

**Dimensions vary from illustration*

FIXTURE SUPPORTS

402 Urinal Carrier (With Lower Bearing Support)

ASME LOAD RATING
(TYPE III LAVATORY) - 200 LB.



Model	Configuration	List Price	Wt. Lbs.
402	Single	$ 1,143.00	30.0
402-D	Double (Back to Back)	1,593.00	42.0

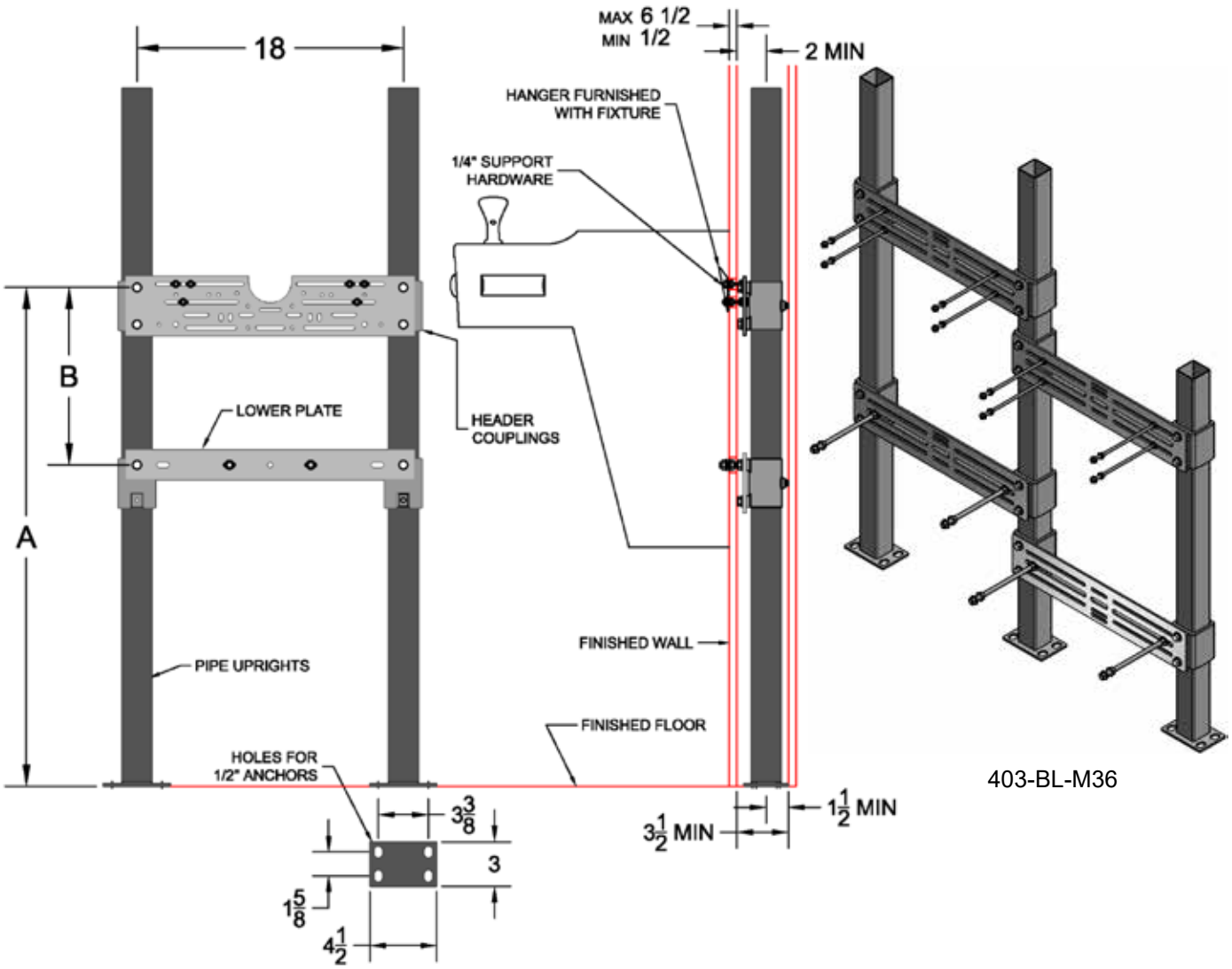
Regularly Furnished: Plate type urinal carrier with round steel uprights, upper hanger support plate, lower bearing plate & rectangular base feet.

Suffix Options		Add	
Suffix	Description	402	402-D
AM1	Flush Valve Support *	$ 122.00	$ 244.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Longer Hardware for Thicker Walls (Per in)	72.00	143.00
M18	Extra Long Upright	1,359.00	1,359.00
M36	Rectangular Uprights	N/C	N/C

**Dimensions vary from illustration*

403 Drinking Fountain / Water Cooler Carrier

ASME LOAD RATING (TYPE III WATER COOLER) - 200 LB.



403-BL-M36

Model	Configuration	List Price	Wt. Lbs.
403	Single	$ 1,143.00	37.0
403-D	Double (Back to Back)	1,593.00	42.0

Regularly Furnished: Plate type drinking fountain / water cooler carrier with round steel uprights, upper hanger support plate, lower support plate & rectangular base feet.

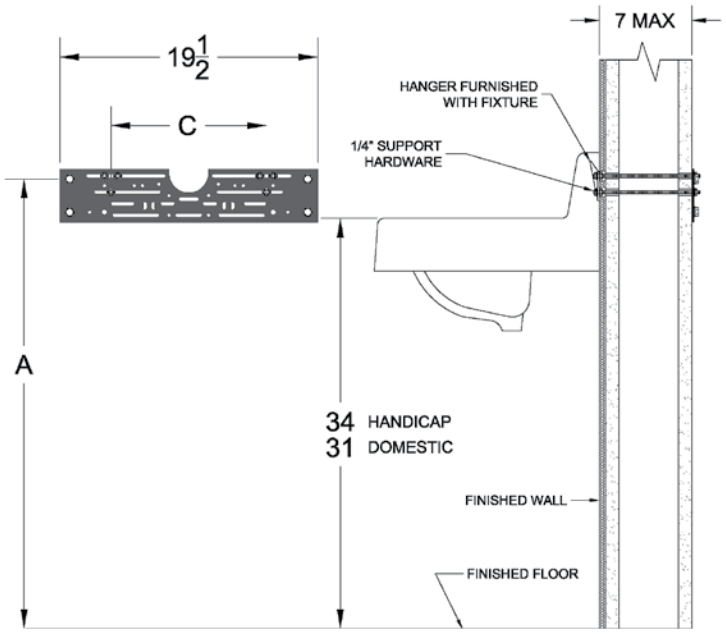
Suffix Options		Add	
Suffix	Description	403	403-D
BL	Bi-Level Fountain / Cooler Support	$ 529.00	$ 1,055.00
BFS	Support for Bottle Filling Station *	499.00	995.00
M3	Vandal Proof Hardware	185.00	370.00
M4	Longer Hardware for Thicker Walls (Per in)	72.00	143.00
M18	Extra Long Upright	1,359.00	1,359.00
M36	Rectangular Uprights	N/C	N/C

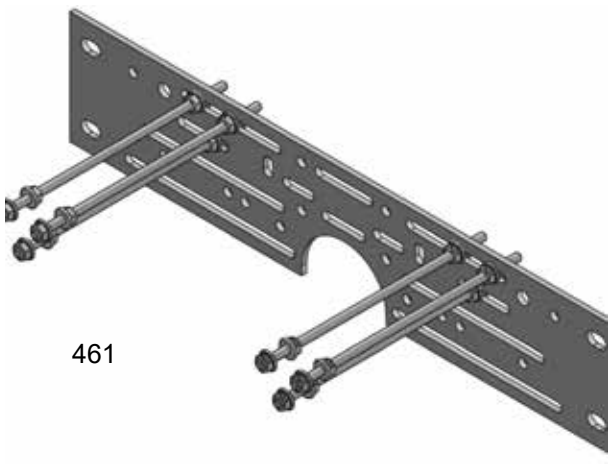
Suffix	Description	Deduct	
LBP	Less Lower Bearing Plate	(119.00)	(240.00)

**Dimensions vary from illustration*

FIXTURE SUPPORTS

461 Wall Mounted Plate Support



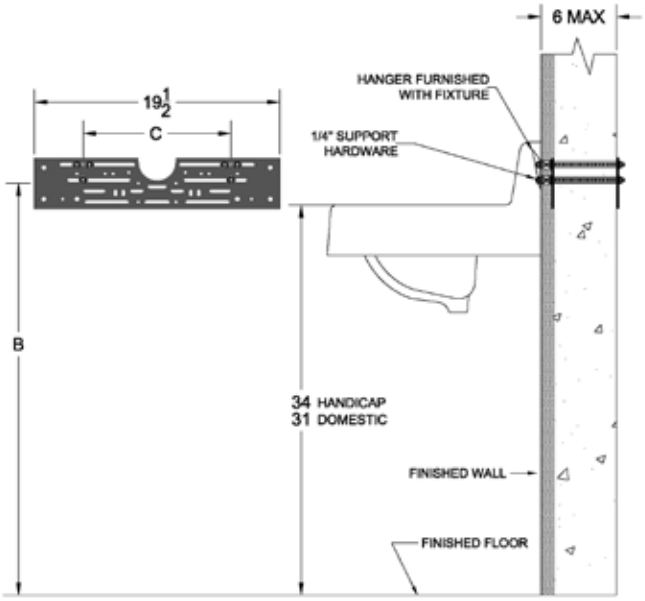


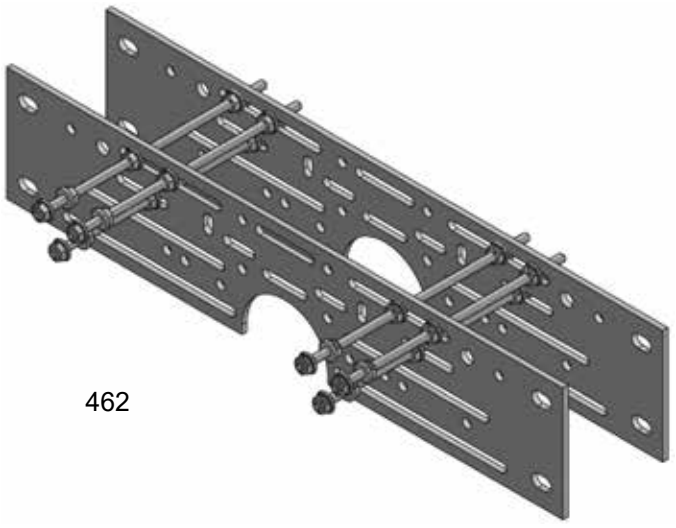
Regularly Furnished: Universal plate type fixture support plate with hardware.

Model	Regularly Furnished	Wt. Lbs.
461	$ 284.00	7.0

Suffix Options		
Suffix	**Description**	**Add**
AM11	Lower Bearing Plate	$ 170.00
M3	Vandal Proof Hardware	185.00

462 Wall Mounted Plate Support





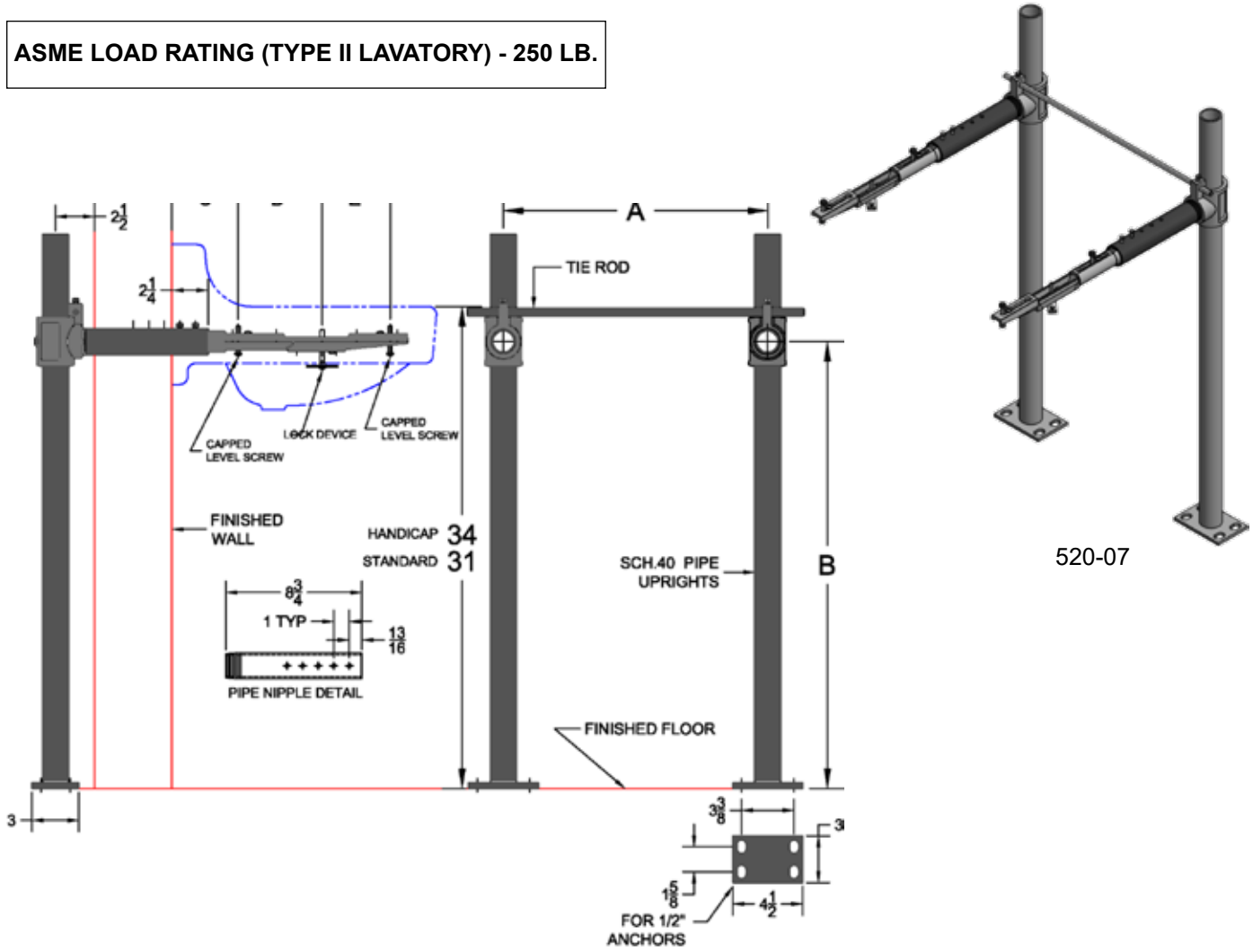
Model	Regularly Furnished	Wt. Lbs.
462	$ 347.00	14.0

Regularly Furnished: Universal plate type fixture support plate with hardware.

Suffix Options		
Suffix	**Description**	**Add**
AM11	Lower Bearing Plate	$ 217.00
M3	Vandal Proof Hardware	185.00

520 Lavatory Carrier (Concealed Arms)

ASME LOAD RATING (TYPE II LAVATORY) - 250 LB.



520-07

Model	Configuration	List Price	Wt. Lbs.
520	Single	$ 1,355.00	36.0
520-D	Double (Back to Back)	1,923.00	45.0

Regularly Furnished: Single lavatory carrier with round uprights, rectangular base feet, cast iron concealed arms & non-slip locking devices

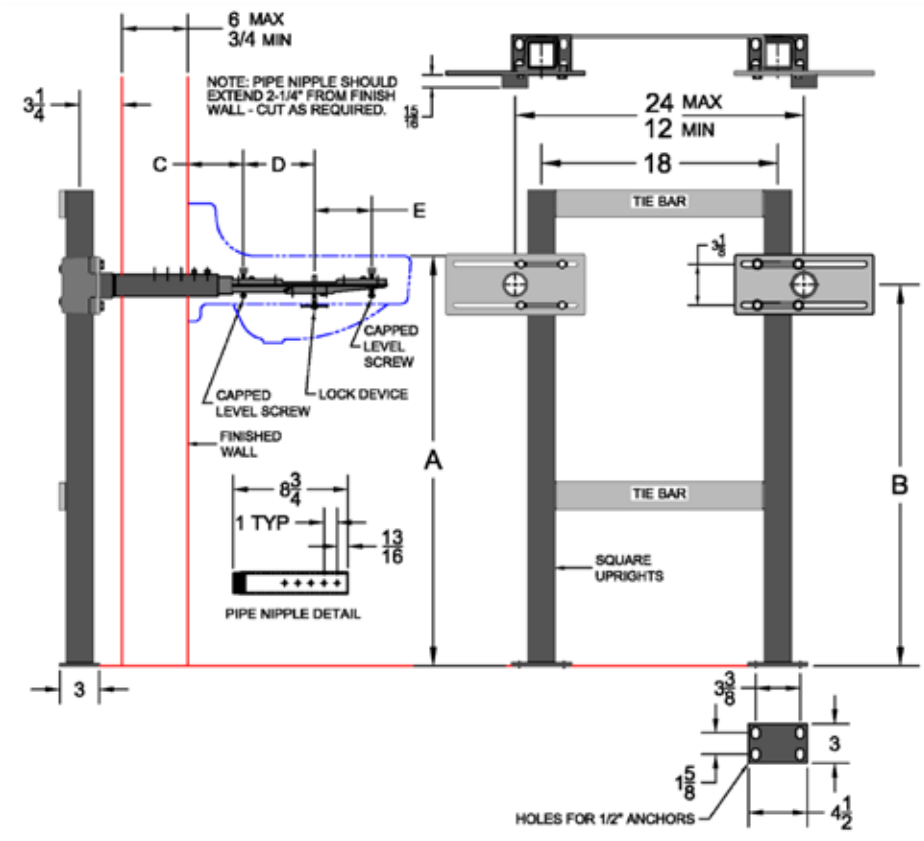
Suffix Options		Add	
Suffix	**Description**	**520**	**520-D**
AM27	Valve Support Plate on Upright * (Specify Valve)	$ 207.00	$ 414.00
M18	Extra Long Uprights *	1,359.00	1,359.00
M19	Eye Bolts for C.I. Lavatories w/ Lugs	N/C	N/C
M23	2" Chrome Plated Escutcheons *	226.00	452.00
M23/4	4" Chrome Plated Escutcheons *	409.00	817.00
M23/6	6" Chrome Plated Escutcheons *	409.00	817.00
M24	Wheelchair Lavatory Installation *	88.00	175.00
M25	Longer Rear Leveling Screws (High Back Lav)	N/C	N/C
M36	Rectangular Uprights *	N/C	N/C
SC43	Shroud Support *	198.00	395.00

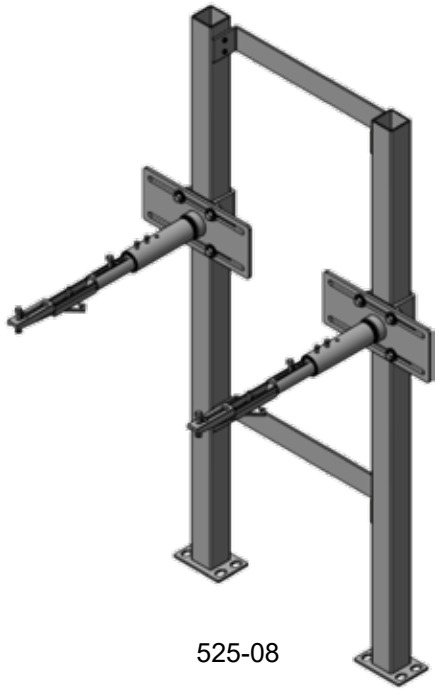
**Dimensions vary from illustration*

FIXTURE SUPPORTS

525 Lavatory Carrier (Concealed Arms)

ASME LOAD RATING (TYPE II LAVATORY) - 250 LB.





525-08

Model	Configuration	List Price	Wt. Lbs.
525	Single	$ 1,651.00	40.2
525-D	Double (Back to Back)	2,409.00	50.0

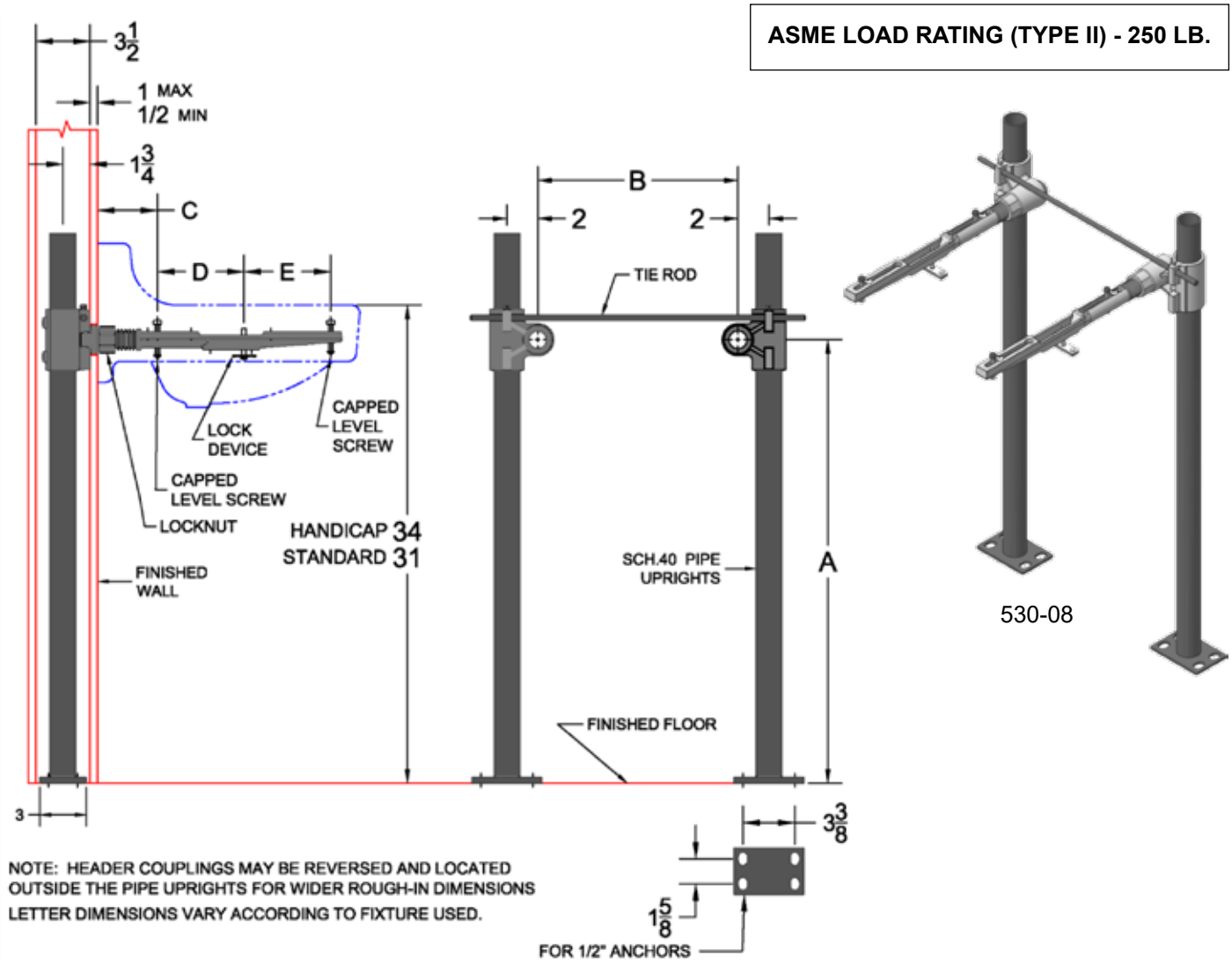
Regularly Furnished: Single lavatory carrier with rectangular uprights, rectangular base feet, cast iron concealed arms, adjustable plates & non-slip locking devices.

Suffix Options		Add	
Suffix	**Description**	**520**	**520-D**
AM27	Valve Support Plate on Upright * (Specify Valve)	$ 207.00	$ 414.00
M18	Extra Long Uprights *	1,359.00	1,359.00
M19	Eye Bolts for C.I. Lavatories w/ Lugs	N/C	N/C
M23	2" Chrome Plated Escutcheons *	226.00	452.00
M23/4	4" Chrome Plated Escutcheons *	409.00	817.00
M23/6	6" Chrome Plated Escutcheons *	409.00	817.00
M24	Wheelchair Lavatory Installation *	88.00	175.00
M25	Longer Rear Leveling Screws (High Back Lav)	N/C	N/C
M36	Rectangular Uprights *	N/C	N/C
SC43	Shroud Support *	198.00	395.00

**Dimensions vary from illustration*

530 Lavatory Carrier (Concealed Arms)

ASME LOAD RATING (TYPE II) - 250 LB.



530-08

Model	List Price	Wt. Lbs.
530	$ 1,355.00	38.0

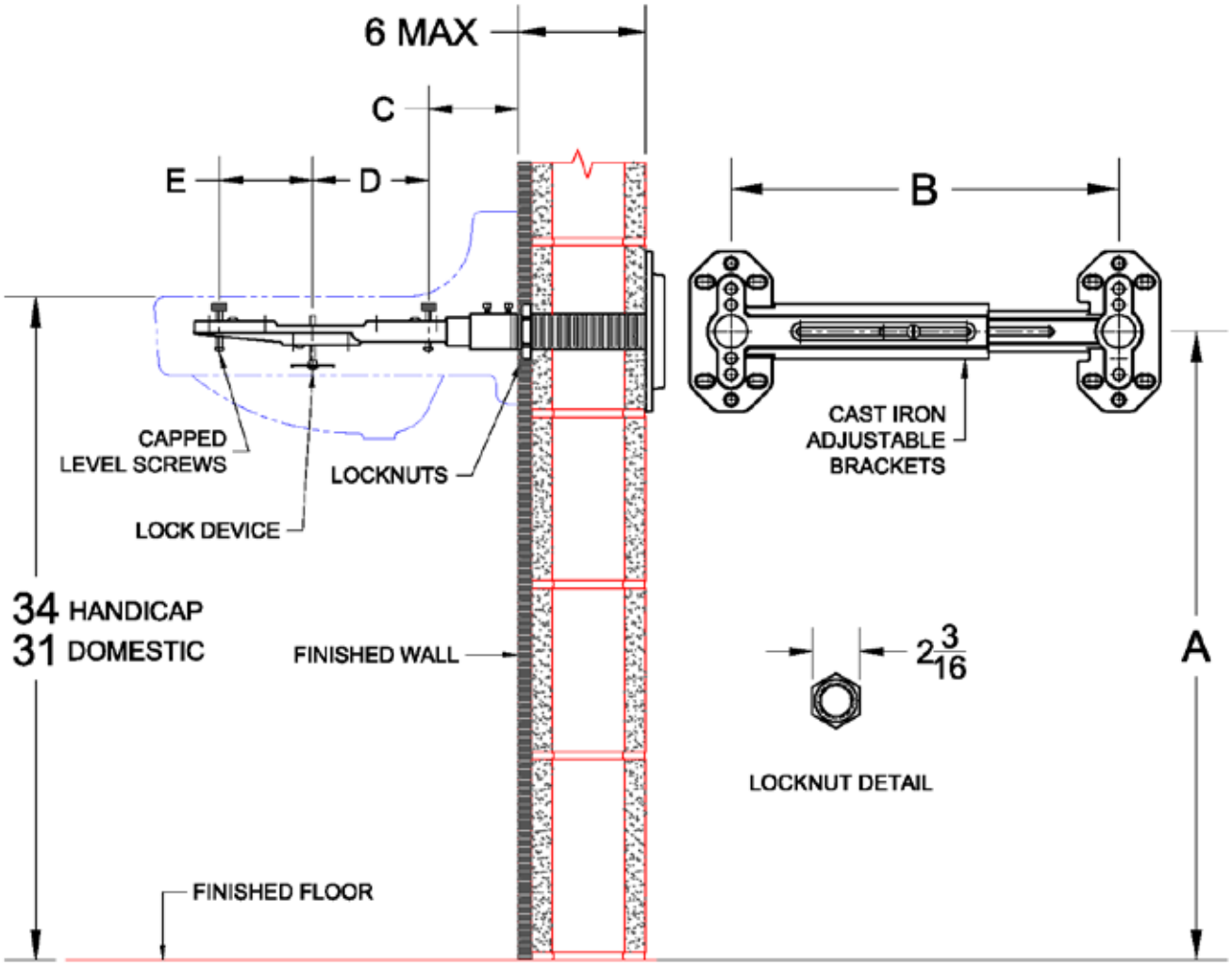
Regularly Furnished: Single lavatory carrier with rectangular uprights, rectangular base feet, cast iron concealed arms, offset header couplings & non-slip locking devices.

Suffix Options		Add	
Suffix	**Description**	**520**	**520-D**
AM27	Valve Support Plate on Upright * (Specify Valve)	$ 207.00	$ 414.00
M18	Extra Long Uprights *	1,359.00	1,359.00
M19	Eye Bolts for C.I. Lavatories w/ Lugs	N/C	N/C
M25	Longer Rear Leveling Screws (High Back Lav)	N/C	N/C
M36	Rectangular Uprights *	N/C	N/C

**Dimensions vary from illustration*

FIXTURE SUPPORTS

573 Wall Mounted Lavatory Support



Model	List Price	Wt. Lbs.
573	$ 802.00	18.0

Regularly Furnished: Wall mounted lavatory support with cast iron concealed or exposed arms, & adjustable brackets.

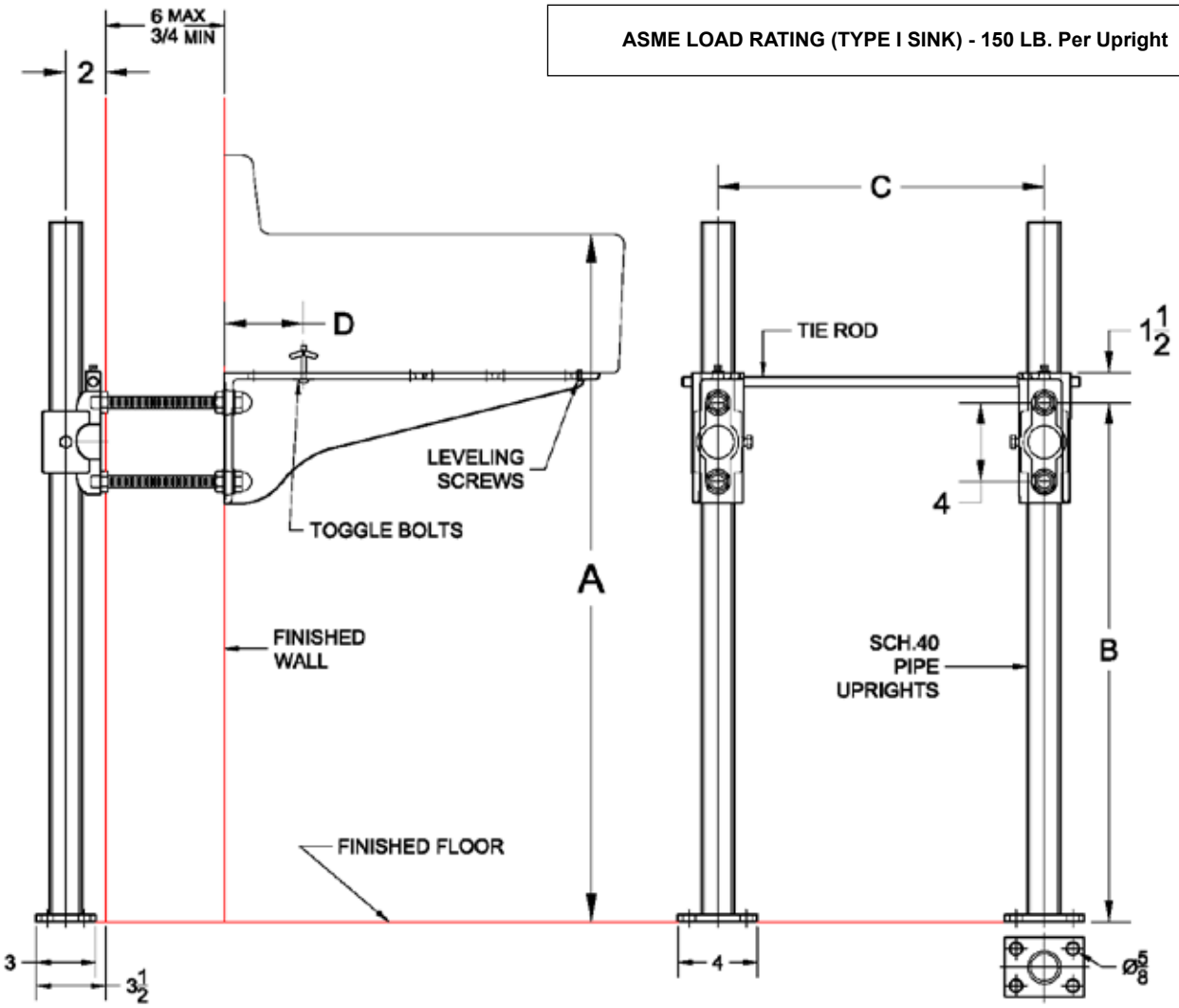
Suffix Options		
Suffix	**Description**	**Add**
M23	2" Chrome Plated Escutcheons *	226.00
M24	Wheelchair Lavatory Installation *	88.00
M25	Longer Rear Leveling Screws (High Back Lav)	N/C



573-07

610 Sink Carrier (Exposed Arms)

ASME LOAD RATING (TYPE I SINK) - 150 LB. Per Upright



Model	Configuration	List Price	Wt. Lbs.
610	Single	$ 1,923.00	60.0
610-D	Double (Back to Back)	3,126.00	125.0
613	Wash Station Deck (3 Supports)	3,125.00	90.0

Regularly Furnished: Single sink carrier with round uprights, rectangular base feet, & A.R. coated exposed arms.

Suffix Options		
Suffix	**Description**	**Add**
AM27	Valve Support Plate on Upright * (Specify Valve	$ 207.00
AM28	Valve Support Plate Between Arms * (Specify Valve)	217.00
M3	Vandal Proof Finish Hardware	185.00
M4	Longer Hardware for Thicker Walls (per inch)	72.00
M18	Extra Long Uprights *	1,359.00
M36	Rectangular Uprights *	N/C

**Dimensions vary from illustration*

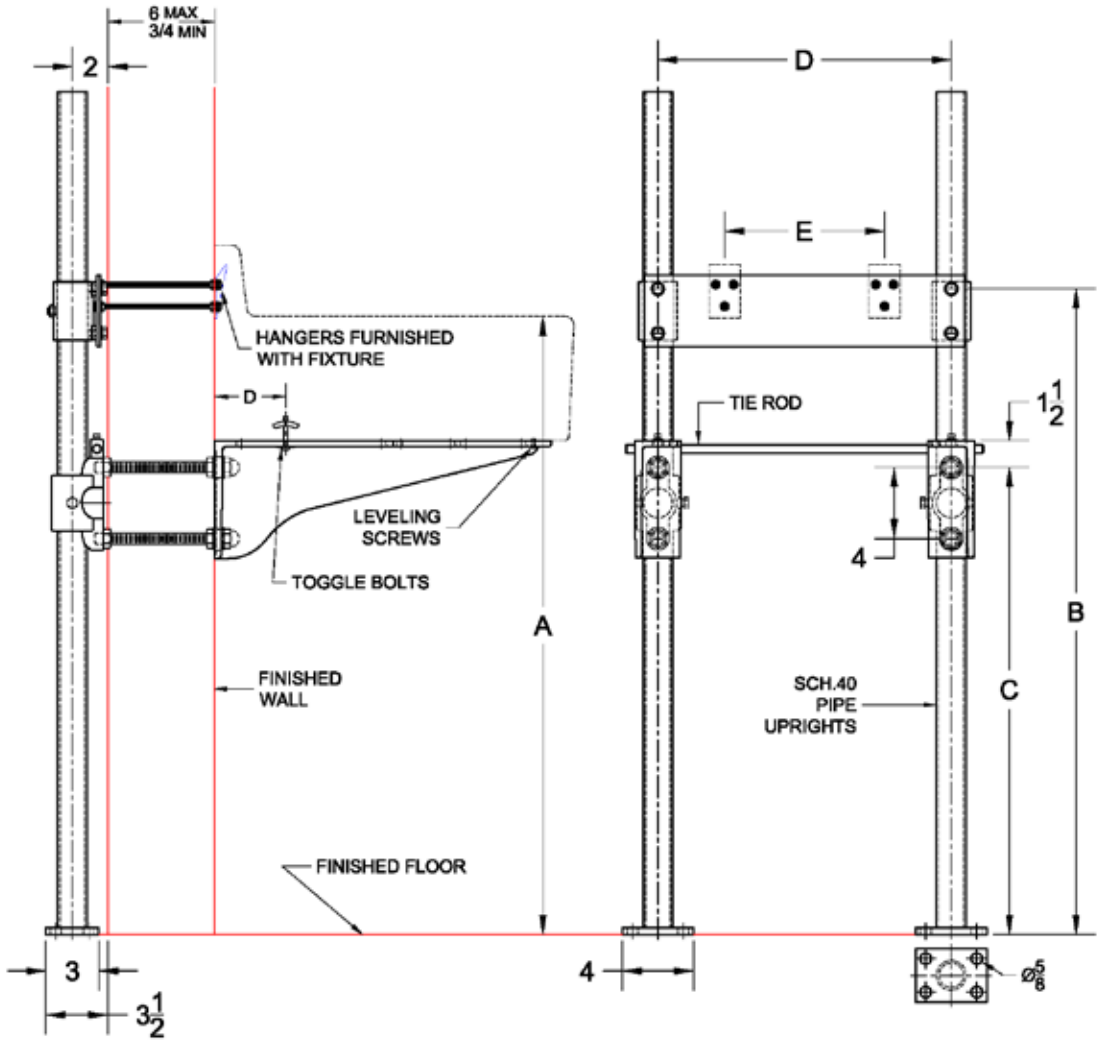


610-02

FIXTURE SUPPORTS

620 Sink Carrier (Exposed Arms)

ASME LOAD RATING (TYPE III SINK) - 150 LB. Per Upright



Model	Configuration	List Price	Wt. Lbs.
620	Single	$ 3,670.00	71.0
623	Longer Sinks (3 Supports)	5,059.00	107.0

Regularly Furnished: Single sink carrier with round uprights, rectangular base feet, cast iron header couplings, mounting fasteners & A.R. cast iron exposed arms.

Suffix Options		
Suffix	**Description**	**Add**
AM27	Valve Support Plate on Upright * (Specify Valve	$ 207.00
AM28	Valve Support Plate Between Arms * (Specify Valve)	217.00
M3	Vandal Proof Finish Hardware	185.00
M4	Longer Hardware for Thicker Walls (per inch)	72.00
M18	Extra Long Uprights *	1,359.00
M36	Rectangular Uprights *	N/C



620-02

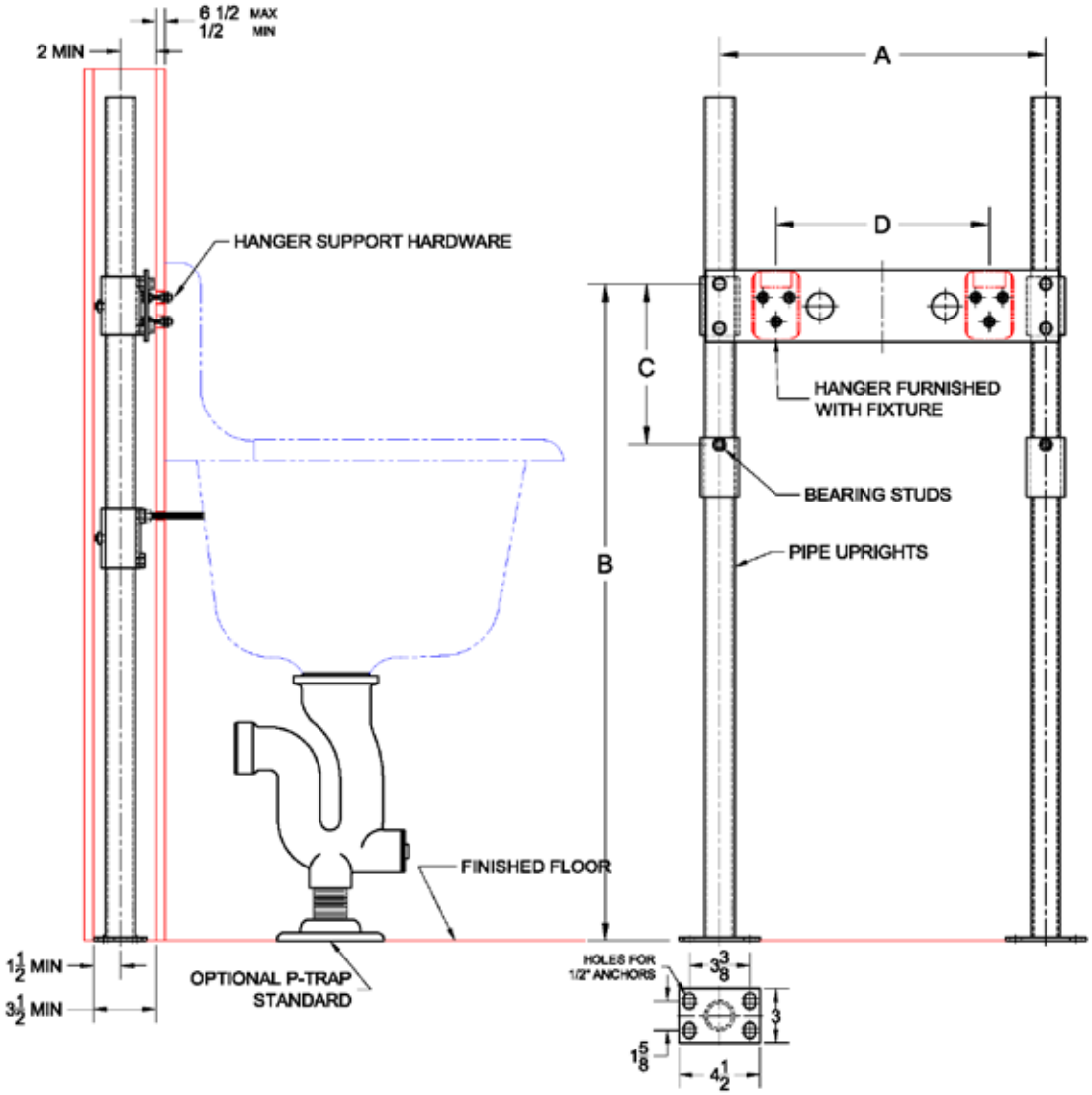
**Dimensions vary from illustration*

WADE

FIXTURE SUPPORTS

630 Trough Urinal & Sink Carrier

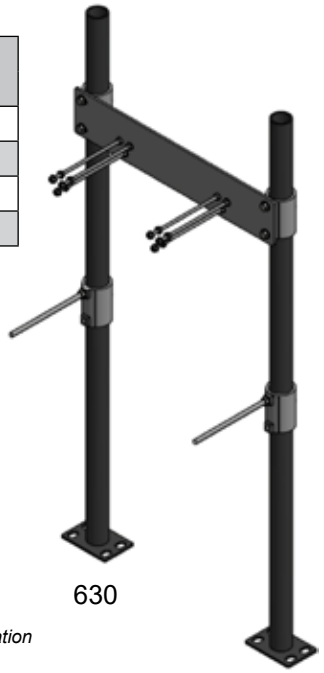
ASME LOAD RATING (TYPE II SINK) - 100 LB. Per Upright



Model	Configuration	List Price Single	Wt. Lbs.	List Price Back-To-Back	Wt. Lbs.
630	Upper Plate w/ Bearing Studs	$ 2,621.00	70.0	$ 3,013.00	115.0
630-AM11	w/ Lower Plate	2,734.00	84.0	3,283.00	143.0
633	Longer Trough (3 Supports)	3,125.00	105.0	3,745.00	185.0
633-AM11	3 Supports w/ Lower Plate	3,575.00	119.0	4,268.00	213.0

Regularly Furnished: Single plate type sink/urinal carrier for troughs up to 5' long with round uprights, rectangular base feet and cast iron header couplings.

Suffix Options		
Suffix	**Description**	**Add**
AM27	Valve Support Plate on Upright * (Specify Valve	$ 207.00
M18	Extra Long Uprights *	1,359.00
M36	Rectangular Uprights *	N/C
TS2	2" IPS Cast Iron Trap Standard	1,090.00
TS3	3" IPS Cast Iron Trap Standard	1,090.00



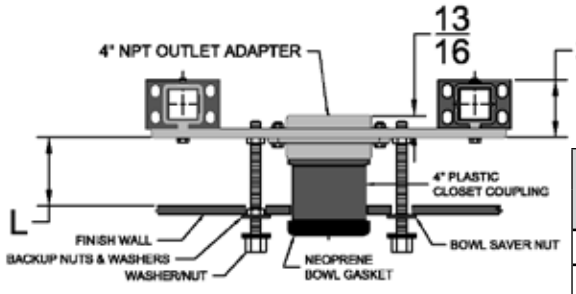
630

**Dimensions vary from illustration*

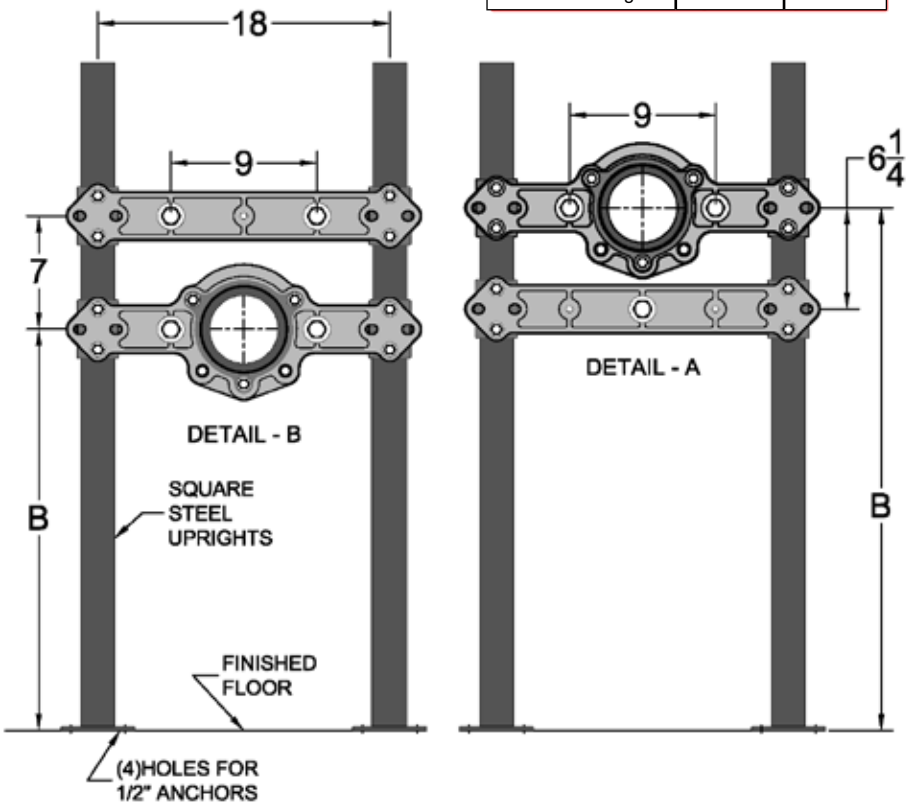
FIXTURE SUPPORTS

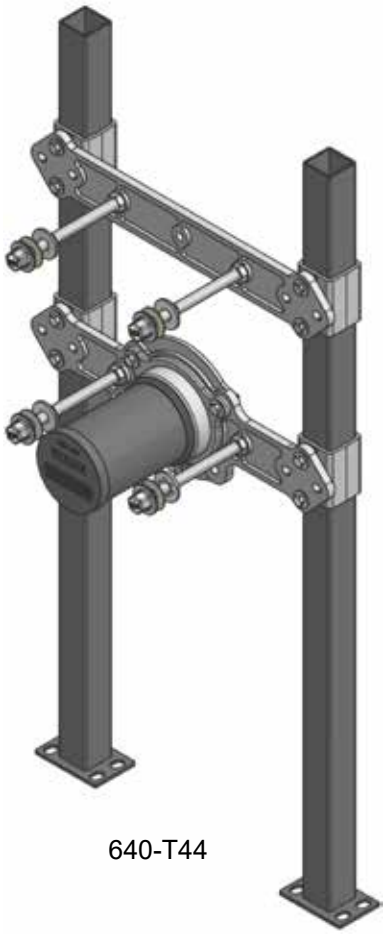
640 Clinical Sink / Urinal Carrier

ASME LOAD RATING (TYPE IV SINK) - 300 LB.



Style	L	
	Min.	Max.
Carrier w/ Adapter	2-1/4	11-1/4
Carrier w/ Fitting	1-1/2	9-1/2





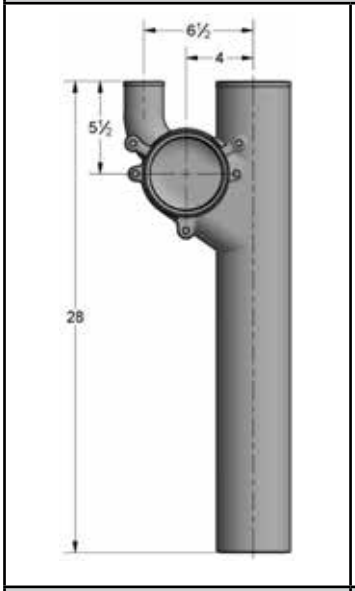
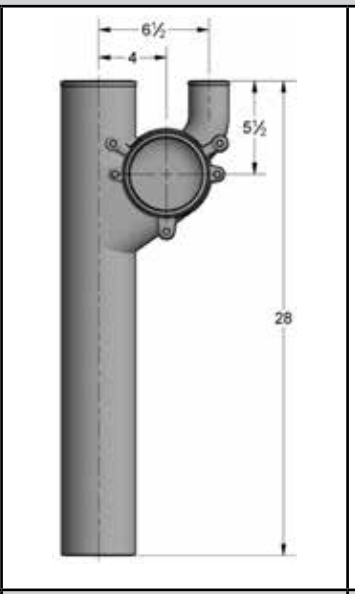
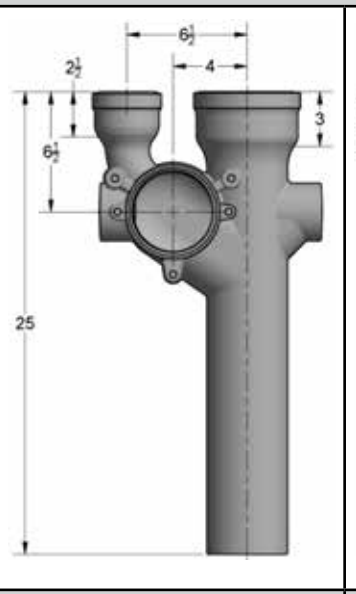
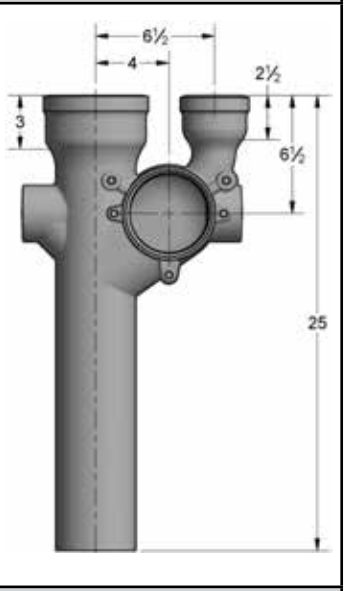
640-T44

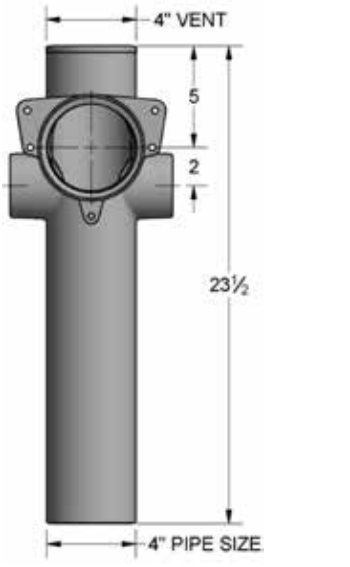
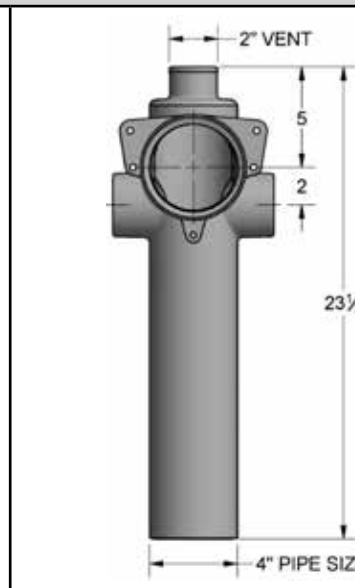
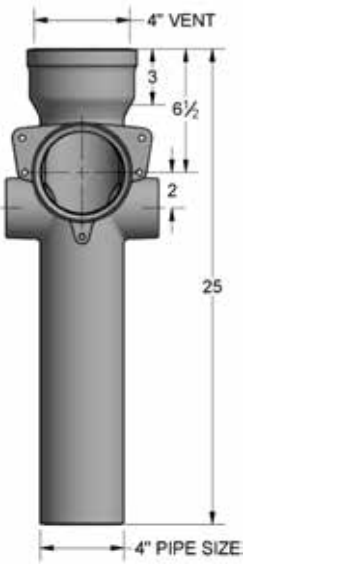
Regularly Furnished: Clinical sink / urinal carrier with rectangular uprights, base feet cast iron header couplings, cast iron support brackets, zinc plated support studs, mounting hardware, threaded outlet adapter, chrome plated fixture nuts and neoprene bowl gasket.

Model	Configuration	List Price	Wt. Lbs.
640-T44	4" NPT Outlet (Fitting By Others)	$ 1,633.00	44.8
640-N42	w/ On Stack No-Hub Fitting (4" Waste 2" Vent)	1,958.00	71.8
640-N44	w/ On Stack No-Hub Fitting (4" Waste 2" Vent)	1,958.00	72.8
640-C44	w/ On Stack No-Hub Fitting (4" Waste 4" Vent)	2,005.00	74.8
640-NR42	w/ Offset No-Hub Fitting (RH) (4" Waste 2" Vent)	3,530.00	83.0
640-NL42	w/ Offset No-Hub Fitting (LH) (4" Waste 2" Vent)	3,530.00	83.0
640-CR42	w/ Offset Hub & Spigot (RH) (4" Waste 2" Vent)	3,596.00	84.8
640-CL42	w/ Offset Hub & Spigot (LH) (4" Waste 2" Vent)	3,596.00	84.8

Suffix Options		
Suffix	Description	Add
AM1	Flush Valve Support	$ 122.00
AM21	Tiling Frame	116.00
ECC11	Extended Coupling & Hardware (11")	N/C
ECC14	Extended Coupling & Hardware (14")	278.00
ECC24	Extended Coupling & Hardware (24")	1,659.00
M3	Vandal Proof Finish Hardware	185.00
M18	Extra Long Uprights	1,359.00
JJ	Dual 2" Auxiliary Inlets (w/ Fitting)	990.00
JL	2" Left Hand Auxiliary Inlet (w/ Fitting)	494.00
JR	2" Right Hand Auxiliary Inler (w/ Fitting)	494.00

640 Clinical Sink / Urinal Carrier

Offset Vent Fittings			
			
4" Waste 2" Vent	4" Waste 2" Vent	4" Waste 2" Vent	4" Waste 2" Vent
NL42	**NR42**	**CL42**	**CR42**

On Stack Vent Fittings		
		
N44	**N42**	**C44**

Application	Product Recommendation
Adjustable Floor Drains (Finished Areas)	1100, 1120
Elastomeric Floor Drains	1100-DT, 1200-E, 1210-E
General Purpose Floor Drains	1640
Shower Drains	1100
Sheet Flooring (Vinyl)	1100-FC
Indirect Waste / Funnel Drains	1000-HD, 1100-ER, 1630
Integral Trap Drains	1120, 1740, 2050, 2051, 2080,
Heavy Duty General Area Drains	1200, 1210, 1240, 1300, 1310, 1340, 1400, 1410, 1640, 2100, 2210, 2240, 2350, 2360, 2370, 2390
Parking Area Drains	1217, 1317, 1417, 2397
Basement / Cellar Drains	1650
Trench / Gutter Drains	2902, 2920, 2950
Planting Area Drains	1862
Industrial Area Drains	1890, 1891, 2050, 2051, 2070, 2080
Can Wash Drains	1980, 1990
Isolation Deck Drains	2030
Flushing Rim Drains	See Floor Sink Section (9300, 9400)

How To Specify

1100-A6-1-3TY-27

- Series Number (Required)
- Strainer Style & Size (Required)
- Finish & Materials (Required)
- Connection Type & Size (Required)
- Miscellaneous Options (As Needed)



Drains should be specified with sufficient grate free area and outlet size to accommodate anticipated flow. For Standard indoor applications, the grate free area should be 1.5 times the traverse area of the connecting pipe size. Exterior areas should be twice the traverse area of the connecting pipe size. Table 1 below provides recommended open area requirements.



Table 1 (General Requirements)				ASME A112.6.3 Standard Requirements		
Pipe Size	Traverse Area (Sq. In.)	Open Area Requirements (Sq. In.)				
		Interior Areas	Exterior Areas	Floor Drains	Area/Trench Drains	Shower Drains
2"	3.14	5.00	6.50	5.00	6.50	5.00
3"	7.06	11.00	14.00	11.00	14.00	11.00
4"	12.50	18.00	25.00	18.00	25.00	18.00
5"	19.60	30.00	40.00	30.00	40.00	-
6"	28.30	42.00	56.00	42.00	56.00	-
8"	50.25	75.00	100.50	-	-	-

Selection of Top (Based on Anticipated Traffic)

Load Classification: Figure the maximum anticipated traffic (loading) which will pass over the grate and select the grate type which will support that load. Each drain shown in the floor drain section has a description listing the type of load it will take. The categories listed are for various drains in respect to grate loading. The load classifications are in accordance with the American National Standard ASME **A112.6.1M**. ASME Ratings are as follows in Table 2:

Table 2

Load Classificatoin ASME A112.6.1M	Safe Live Load
Light Duty	Under 2,000 Lb.
Medium Duty	2,000 - 4,999 Lb.
Heavy Duty	5,000 - 7,499 Lb.
Extra Heavy Duty	7,500 - 10,000 Lb.
Special Duty	Over 10,000 Lb.

ADA (Americans with Disabilities Act) stipulates that the slot width is limited to 1/2" or less on gratings in walkways and the elongated slots are placed longitudinally so that they are perpendicular to the dominant direction of travel.

Heel Resistant Strainers and Grates (ASME A112.6.3) stipulates a maximum grate hole size in least dimension shall be 5/16" (8mm).

Trench Drain Load Ratings

An alternate safe live load rating is applicable to trench drains. Table 3 below list the Load Class for various applications. Note that the **DIN 19580** standard test for Save Live Load is different to the ASME method in that the rectangular platen used for testing changes based upon the trench width. Load classifications are as follows in Table 3.

Table 3

Load Class DIN 19580	Safe Live Load (Lbs.)	Application
A	3,372	Light Pedestrian Traffic
B	28,100	Sidewalks & Private Parking Areas
C	56,200	Parking Areas and General Commercial
D	89,920	Roads & Highways
E	134,800	Industrial Areas & Light Commercial
F	202,320	Aircraft Facilities & Heavy Industrial

Test Procedures for Grate Loading

Live Loads listed in Table 2 are determined by laboratory test. A 3.5" diameter platen is placed in the center of the grate and a load is applied slowly so that a point of failure can be observed. The point of failure depends upon the material . Brittle materials (cast iron) are determined by fracture on any part of the specimen. Ductile materials are determined by a permanent set in deflection at the point of loading. The point of failure is the point of 2% of the longest traverse dimension of the specimen. The maximum safe live load is the load at failure divided by two.

Save Live Loads listed in Table 3 are determined by laboratory test. This standard uses three different test platens:

(1) The first is 3" wide x 10" long for trenches 8" wide or less.

(2) A 6" wide x 10" long platen is used for trenches between 8" and 12" wide.

(3) For trenches wider than 12", a platen 10" in diameter is specified.

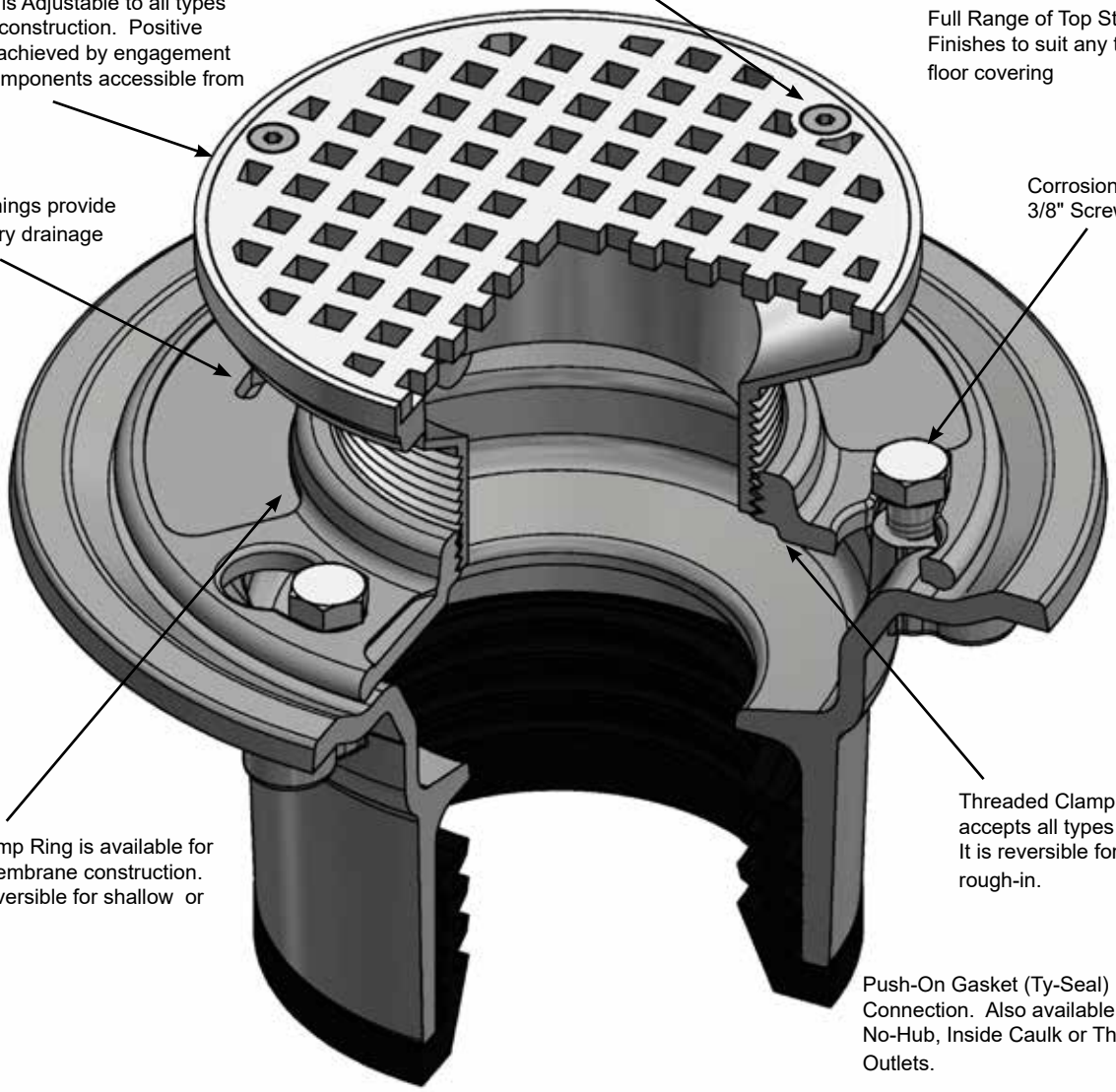
Other Applicable Standards

AASHTO M306-10 This standard is typically used for trench drains and interceptors in civil and transportation projects. Developed by the American Association of State Highway and Transportation Officials, this standard accounts for various sizes of linear drainage systems. The test method typically uses a 9" x 9" square test platen centered on the grate and an applied force of 40,000 pounds. For instances where the test platen would transfer load directly on the support frame, a modified test platen is required. The platen must be smaller than the support frame and cannot be larger than 9" in the other direction. The load shall be modified to 494 psi multiplied by the surface area of the grate, but not to exceed 40,000 lbs for HS-20 or 50,000 lbs for HS-25 loading.

FAA AC:150/5320-6D This standard is used in aviation and sea port projects. Developed by the Federal Aviation Administration, this standard typically uses a 9 x 9" test platen with a fource of 100,000 lbs. Although the test platen size is not specified in the standard, it is considered an industry standard.

General Product Information

1100-A (Adjustable Floor Drain)



Floor Drain Sizing

Given a piping system with a designed flow rate, an appropriate floor drain can be selected. Factors such as flow rate, length of horizontal pipe, and pipe size are some of the factors which influence the selection of a floor drain. These factors are the first to be considered because together with a floor drain, they fulfill the purpose of a drainage system, which is to efficiently carry all water from the floor. Another consideration is the maximum head and buildup of water on the floor. This value can range typically up to 2" depending on pipe size or any other design consideration of the particular application.

Pipe Size and Open Area

Pipe size and open area of grate should be a primary factor in the selection of a floor drain because they are important in fulfilling the requirements of the specified flow rate in the drainage system. Additional criteria exists in selecting the most appropriate drain. The type of connection, either Inside Caulk (IC), Threaded (IPS), No-Hub (NH), or Push-On (TY), needs to be specified. Backwater valves are useful to reduce drainage backup. Sediment buckets may be desired to filter debris from the water flow which can cause the drainage system to clog.

Flow Rate Calculation

Flow rate can be calculated using the following equation:

$$Q = 448.2\ Cd\ A\sqrt{2gh}$$

Q = Flow Rate (Gallon per Minute)
Cd = Discharge Coefficient (Typically 0.6)
A = Open Area of Grate (Sq.Ft.)
g = Acceleration (32.2 ft/s^2)
h = Head Above Floor (ft)

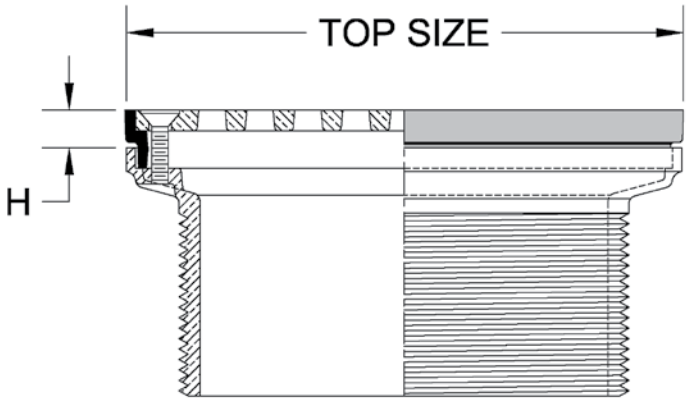
Open Area Calculation

The flow rate equation can be easily arranged to solve for 'A':

$$A = \frac{Q}{448.2\ Cd\ \sqrt{2gh}}$$

Example: For a maximum 0.25" (0.021 ft.) head (h), flow rate of 10 gallons per minute (Q), and an average discharge coefficient (Cd) of 0.6 yields a grate with an open area (A) of 0.032 sq. ft., multiplying by 144 in2 /ft 2 yields an open area of 4.62 sq. in.

23 Grate Riser

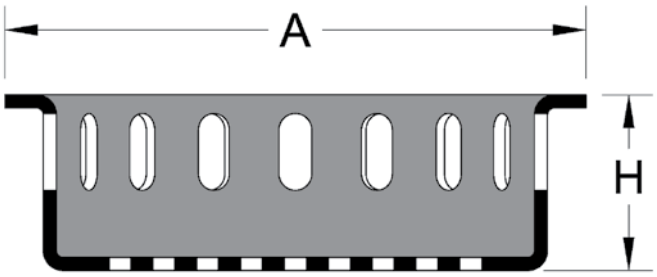


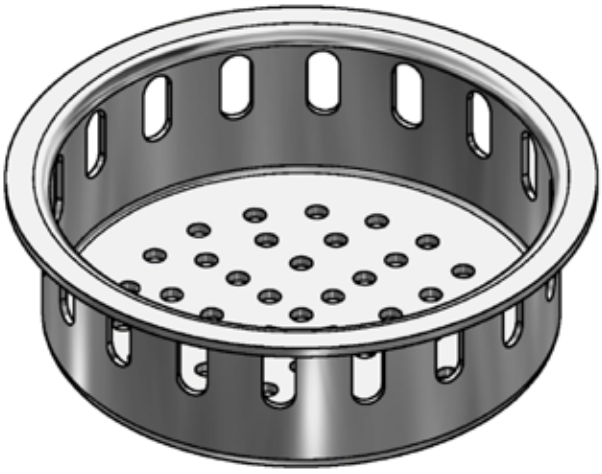


Catalog No. Top Size - Suffix	Material	H	List Price	Wt. Lbs.
WP1100-A5-23-1	Nickel Bronze	3/8"	319.00	0.2
WP1100-A6-23-1	Nickel Bronze	3/8"	319.00	0.3

Regularly Furnished: Nickel Bronze grate riser mounts to top of floor drain to raise the top when a new floor is applied over existing surfaces, or if the drain is roughed in to low for the finished floor surface to be level with the top of the drain.

27 Sediment Bucket



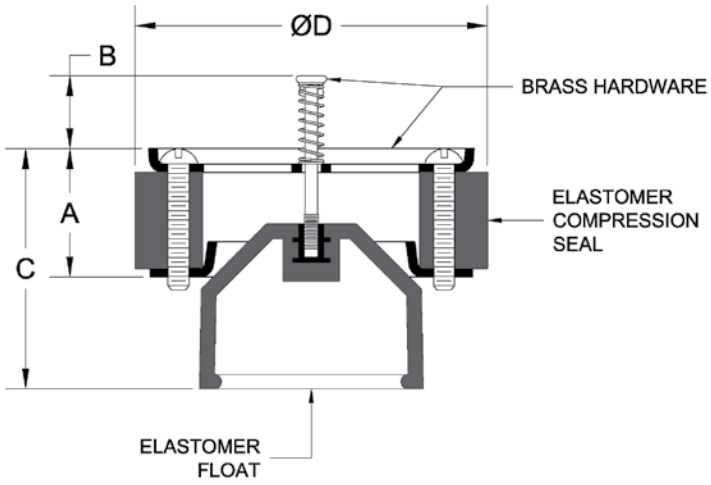


Catalog No. Suffix	Material	A	H	List Price	Wt. Lbs.
WP1100-27/3	Stainless Steel	3-5/16"	1"	150.00	1.0

Regularly Furnished: Loose set sediment bucket installs in floor drain body or strainer shank to capture debris before entering the drainage piping system.

31 Backwater Valve

Regularly Furnished: Brass backwater valve with neoprene seal and float—Installs into strainer shank or floor drain body outlet. Provides protection against backflow.



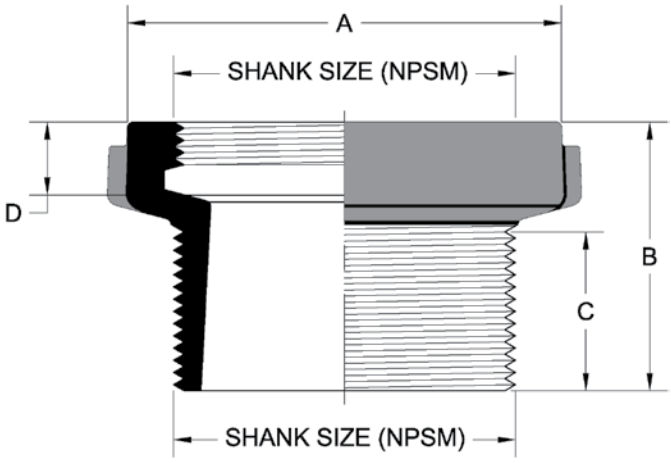


Sold As an Option on Floor Drains—May also be purchased separately - See Model 4300 in Plumbing Specialties Section

Catalog No. Suffix	Shank Size	A	B		C		D		List Price	Wt. Lbs.
			Open	Closed	Open	Closed	Min	Max		
WP1100-31/3	3"	1-1/8"	1/16"	1"	2-13/16"	2-1/16"	3-13-16"	4-1/16"	522.00	0.6

94 Extension Adapter

Regularly Furnished: Cast Iron extension adapter—Used to increase shank length of any adjustable strainer.

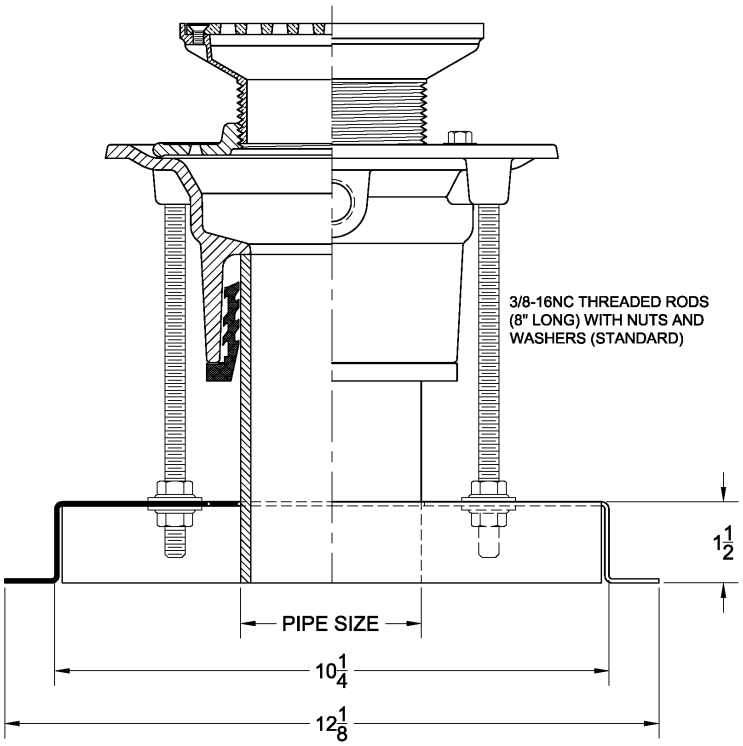


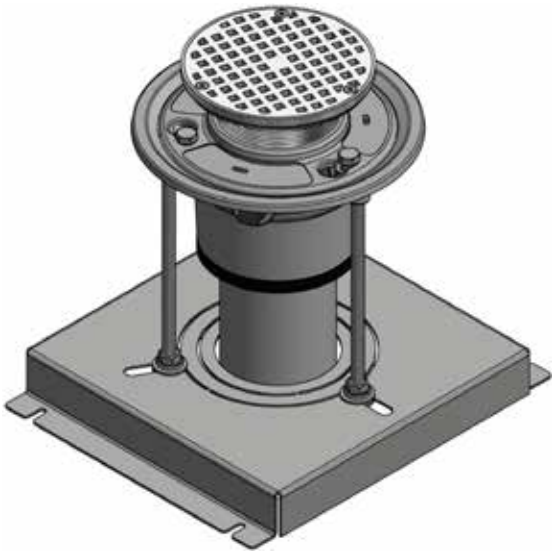


Catalog No. Suffix	Material	Shank Size (NSPM)	A	B	C	D	List Price	Wt. Lbs.
WP1100-94/3	Cast Iron	3"	4-7/16"	2-3/4"	1-9/16"	11/16"	$ 192.00	1.7
WP1100-94/3-39	Galvanized	3"	4-7/16"	2-3/4"	1-9/16"	11/16"	417.00	1.7
WP1000-94/4	Cast Iron	4"	5-3/8"	3-1/4"	1-7/16"	1-7/16"	192.00	3.1
WP1000-94/4-39	Galvanized	4"	5-3/8"	3-1/4"	1-7/16"	1-7/16"	417.00	3.1

DIA Deck Installation Assembly

Regularly Furnished: Zinc plated steel deck installation assembly with hardware. Piping by others.



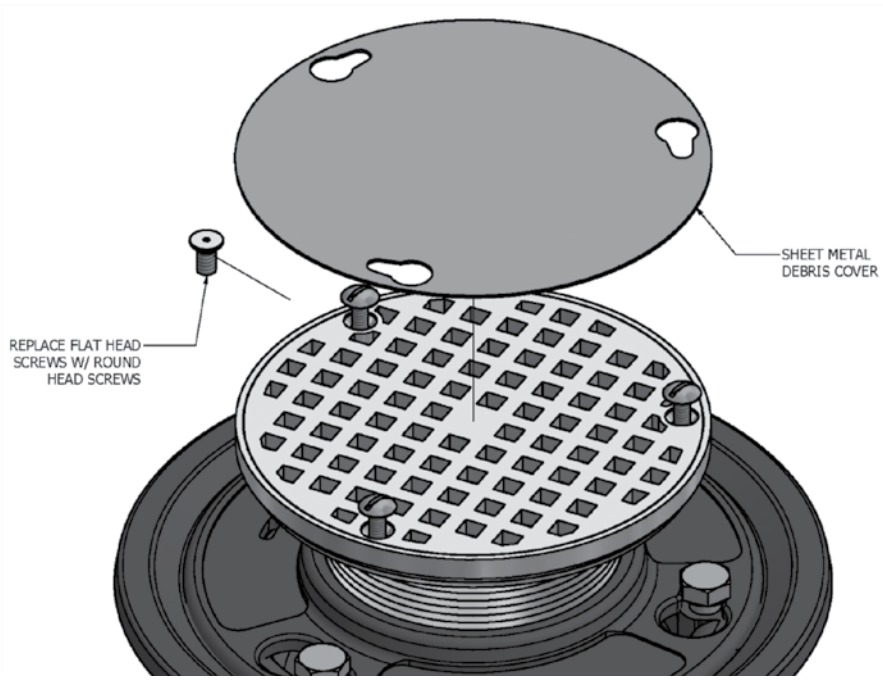


Catalog No.	List Price	Wt. Lbs.
WP1100-DIA	$ 186.00	3.7

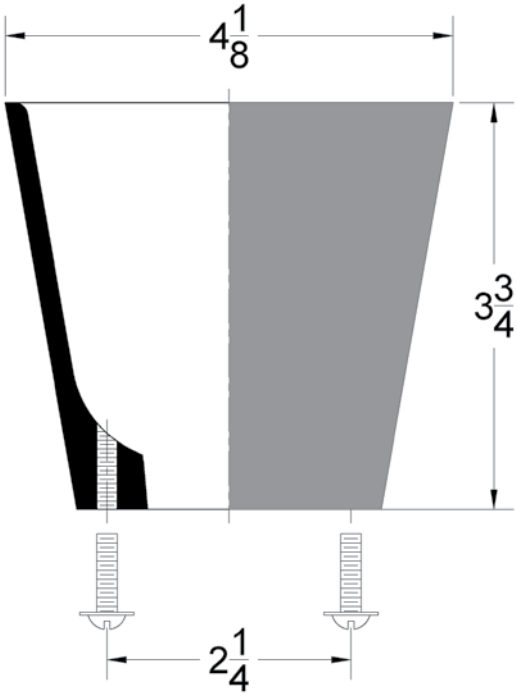
PC Protective Cover (Formerly DC Debris Cover)

Regularly Furnished: Zinc plated steel strainer protective cover with 10-24NC securing screws—Mounts to top of floor drain strainer.

Catalog No. Top Style / Size	List Price	Wt. Lbs.
WP1100-A5-PC	$ 89.00	0.4
WP1100-A6-PC	89.00	0.5
WP1100-A7-PC	89.00	0.8
WP1100-A8-PC	89.00	1.0
WP1100-A10-PC	89.00	1.6
WP1100-G4-PC	89.00	0.3
WP1100-G5-PC	89.00	0.5
WP1100-G6-PC	89.00	0.7
WP1100-G8-PC	89.00	1.3



EF4 Indirect Waste Round Funnels

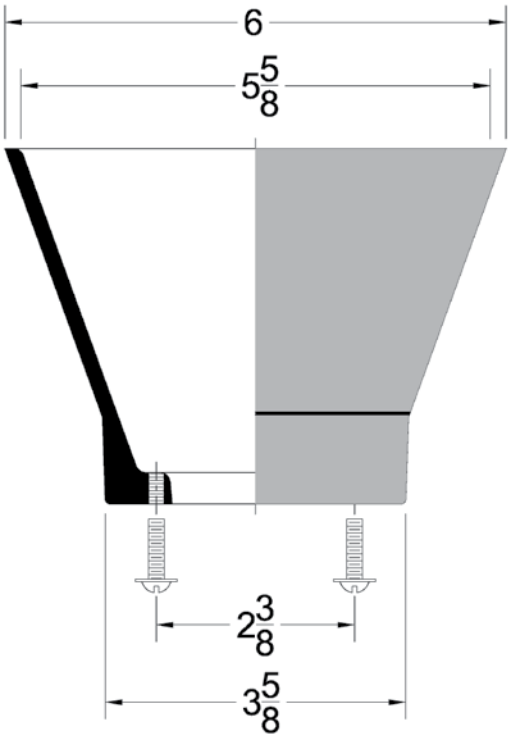




Catalog No.	Material	List Price	Wt. Lbs.
EF4-12	Painted Cast Iron	$ 258.00	1.3
EF4-1	Satin Nickel Bronze	611.00	1.3
EF4-2	Satin Bronze	497.00	1.3
EF4-39	Galvanized Cast Iron	325.00	1.3
EF4-64	A.R.E. Coated Cast Iron	541.00	1.4
EF4-85	304 Stainless Steel	1,619.00	1.9
EF4-102	Chrome Plate Bronze	638.00	1.3

Regularly Furnished: Cast Iron indirect waste funnel with 10-24NC securing screws—Mounts to top of floor drain.

EF6 Indirect Waste Round Funnels

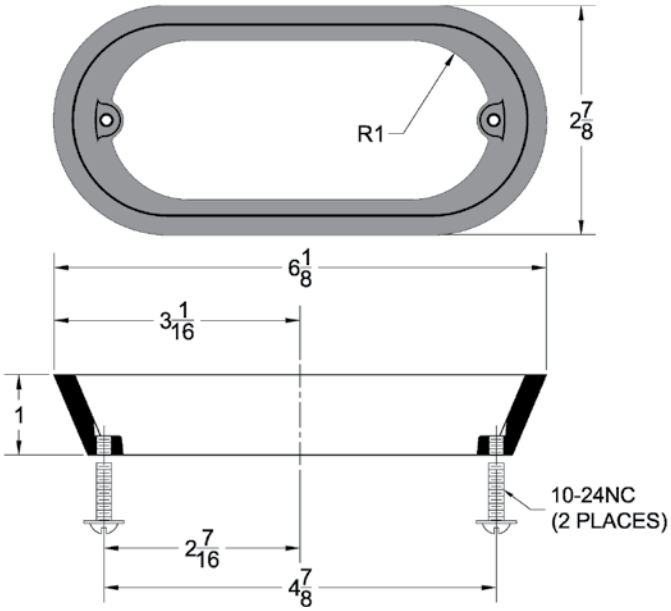




Catalog No.	Material	List Price	Wt. Lbs.
EF6-12	Painted Cast Iron	$ 414.00	3.8
EF6-1	Satin Nickel Bronze	906.00	4.2
EF6-2	Satin Bronze	765.00	4.2
EF6-39	Galvanized Cast Iron	472.00	3.8
EF6-64	A.R.E. Coated Cast Iron	698.00	3.9
EF6-85	304 Stainless Steel	2,107.00	4.0
EF6-102	Chrome Plate Bronze	942.00	3.8

Regularly Furnished: Cast Iron indirect waste funnel with 10-24NC securing screws—Mounts to top of floor drain.

EG6 Indirect Waste Elongated Funnels

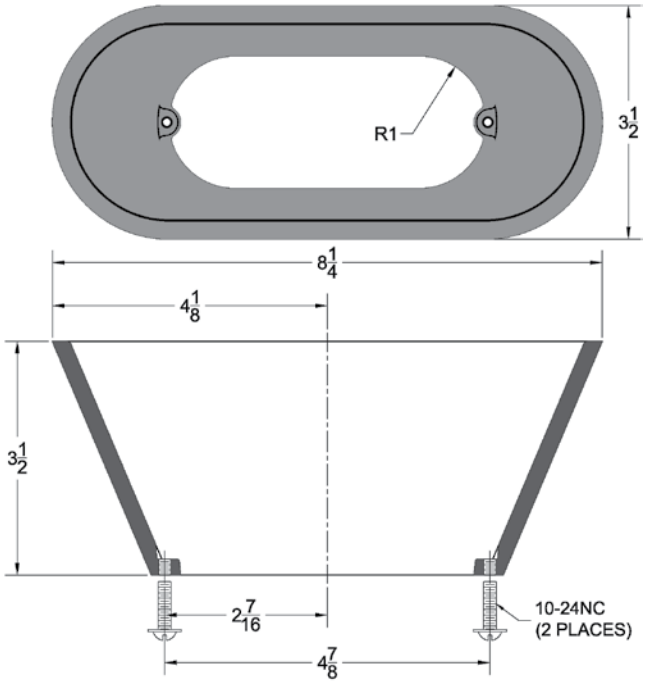




Catalog No.	Material	List Price	Wt. Lbs.
EG6-12	Painted Cast Iron	$ 258.00	0.6
EG6-1	Satin Nickel Bronze	611.00	0.6
EG6-2	Satin Bronze	497.00	0.6
EG6-39	Galvanized Cast Iron	332.00	0.6
EG6-64	A.R.E. Coated Cast Iron	541.00	0.7
EG6-85	304 Stainless Steel	2,107.00	0.6
EG6-102	Chrome Plate Bronze	638.00	0.6

Regularly Furnished: Cast Iron indirect waste funnel with 10-24NC securing screws—Mounts to top of floor drain.

EG8 Indirect Waste Elongated Funnels

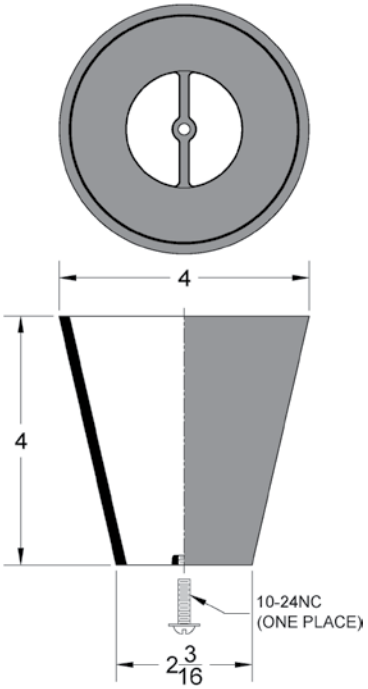




Catalog No.	Material	List Price	Wt. Lbs.
EG8-12	Painted Cast Iron	$ 611.00	2.9
EG8-1	Satin Nickel Bronze	1,265.00	3.6
EG8-2	Satin Bronze	1,116.00	3.6
EG8-39	Galvanized Cast Iron	666.00	2.9
EG8-64	A.R.E. Coated Cast Iron	894.00	3.0
EG8-85	304 Stainless Steel	2,107.00	3.2
EG8-102	Chrome Plate Bronze	1,316.00	2.9

Regularly Furnished: Cast Iron indirect waste funnel with 10-24NC securing screws—Mounts to top of floor drain.

FF Indirect Waste Round Funnels

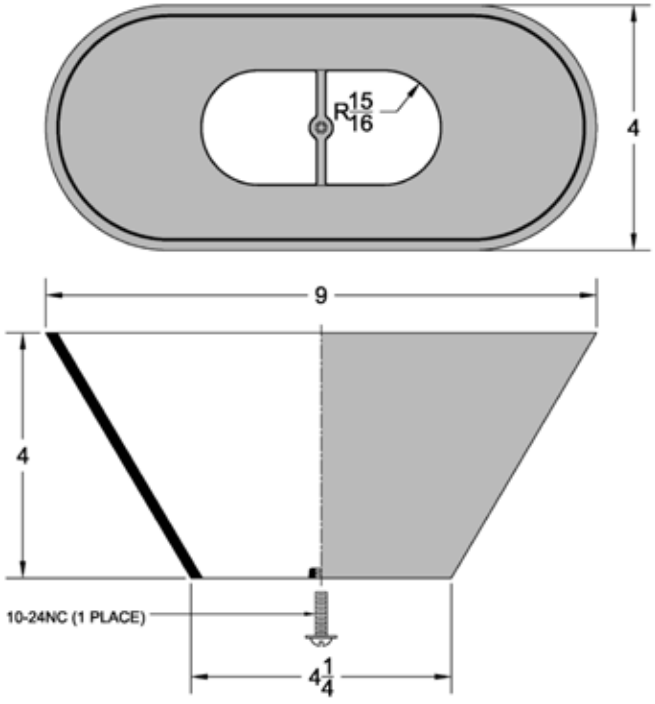




Regularly Furnished: Cast Iron indirect waste funnel with 10-24NC securing screw—Mounts to top of floor drain.

Catalog No. Top Style / Size	Material	List Price	Wt. Lbs.
FF4-12	Painted Cast Iron	$ 258.00	1.3
FF4-1	Satin Nickel Bronze	611.00	1.4

FG Indirect Waste Elongated Funnels

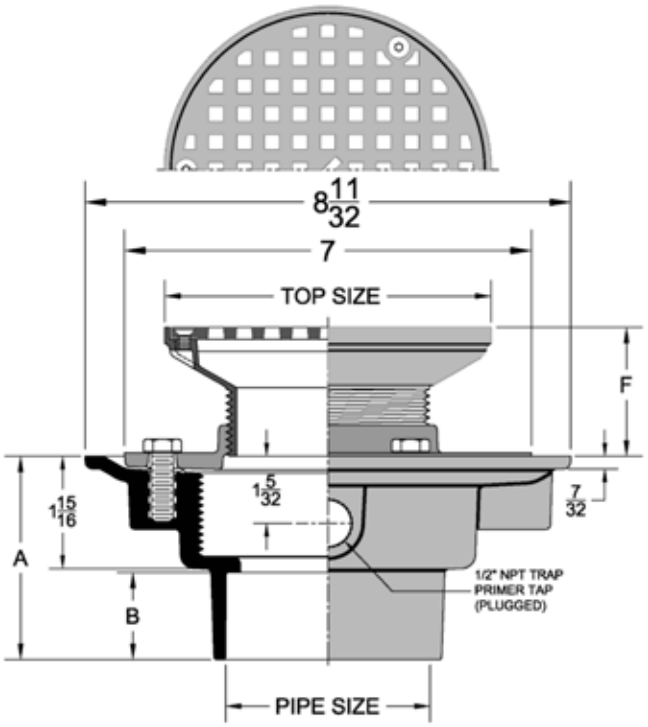




Regularly Furnished: Cast Iron indirect waste funnel with 10-24NC securing screw—Mounts to top of floor drain.

Catalog No.	Material	List Price	Wt. Lbs.
FG9-12	Painted Cast Iron	$ 611.00	2.9
FG9-1	Satin Nickel Bronze	1,265.00	3.6

P1100-A Plastic Floor Drain Body w/ Adjustable Round Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty



P1100-A6-1-3PVC

Top Size	F	
	Min	Max
5	1 7/16	2 1/8
6	1 1/2	2 3/8
7	1 3/8	2 1/4
8	1 3/8	2 1/4
10	1 7/8	3 1/4

Dimensions (Inches)		
Outlet Size	**A**	**B**
2"	3-1/32	1
3"	3-1/2	1-1/2
4"	3-3/4	1-3/4

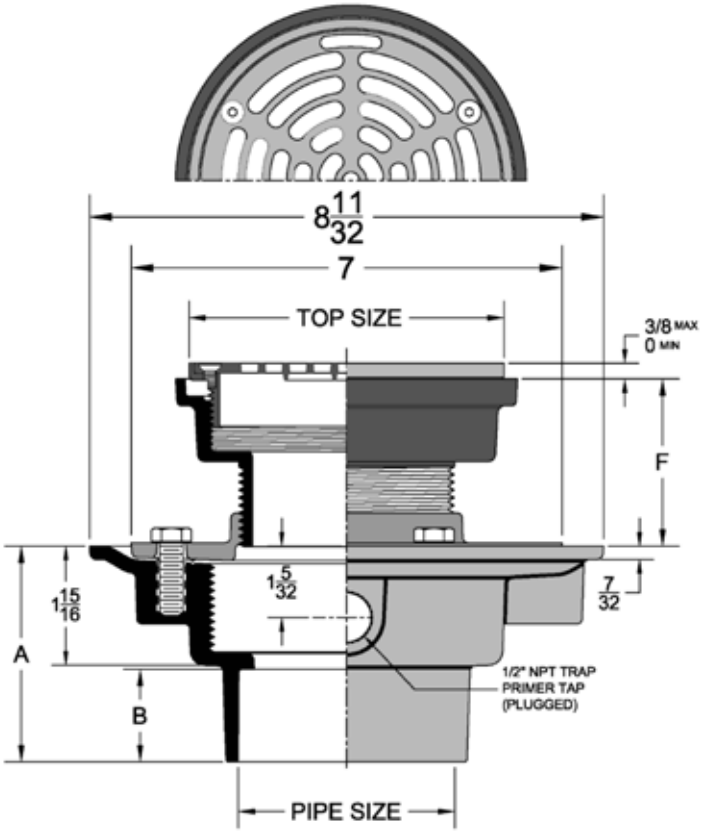
Top Size & Type	Outlet Size	-1 Plastic Body with Satin Finish Nickel Bronze Top	-2 Plastic Body with Satin Finish Bronze Top	-85 Plastic Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)
A5	2",3",4"	$ 662.00	$ 632.00	$ 1,426.00	5.8
A6	2",3",4"	809.00	733.00	1,779.00	7.7
A7	2",3",4"	932.00	886.00	2,296.00	10.6
A8	2",3",4"	1,167.00	1,107.00	2,402.00	14.0
A10	2",3",4"	1,593.00	1,505.00	2,869.00	32.2

Regularly Furnished: Plastic floor drain body with flange, cast iron integral clamping collar, seepage openings, 1/2" primer tap with plug and adjustable type “A" round top assembly.

Outlet Variations		
Type	**Designation**	**Add**
PVC	2PVC,3PVC,4PVC	N/C
ABS	2ABS,3ABS,4ABS	N/C

Suffix Options			
Suffix	**Description**		**Add**
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
		-85	2,107.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
X	Heavy Duty Top Assembly (A6 Only)		281.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

P1100-DA Plastic Floor Drain Body w/ Double Adjustable Round Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty



P1100-DA6-1-3PVC

Top Size	F	
	Min	Max
5	1-7/8	2-3/4
6	1-7/8	2-3/4

Dimensions (Inches)		
Outlet Size	A	B
2"	3-1/32	1
3"	3-1/2	1-1/2
4"	3-3/4	1-3/4

Top Size & Type	Outlet Size	-1 Plastic Body with Satin Finish Nickel Bronze Top	-2 Plastic Body with Satin Finish Bronze Top	-85 Plastic Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)
DA5	2",3",4"	$ 666.00	$ 632.00	$ 1,426.00	8.8
DA6	2",3",4"	809.00	733.00	1,778.00	7.7

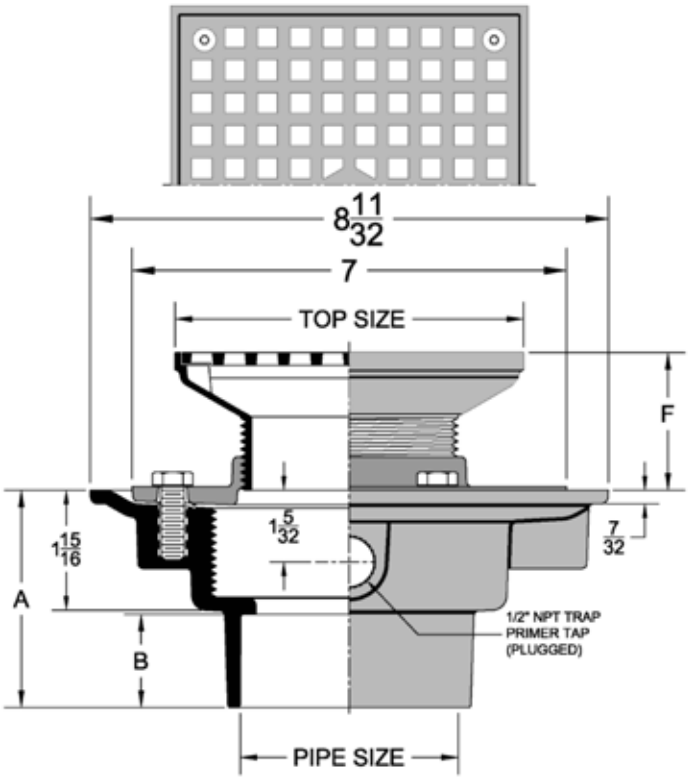
Regularly Furnished: Plastic floor drain body with flange, cast iron integral clamping collar, seepage openings, 1/2" primer tap with plug and adjustable type “DA" double adjustable top assembly.

Outlet Variations		
Type	Designation	Add
PVC	2PVC,3PVC,4PVC	N/C
ABS	2ABS,3ABS,4ABS	N/C

Suffix Options			
Suffix	Description		Add
DC	Debris Cover		$ 89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-85	2,107.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure RIng		497.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

P1100-G Plastic Floor Drain Body w/ Adjustable Square Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty



P1100-G6-1-3PVC

Top Size	F	
	Min	Max
4	7/8	1-3/4
5	1-7/16	2-1/8
6	1-1/2	2-3/8
8	1-3/8	2-1/4

Dimensions (Inches)		
Outlet Size	A	B
2"	3-1/32	1
3"	3-1/2	1-1/2
4"	3-3/4	1-3/4

Top Size & Type	Outlet Size	-1 Plastic Body with Satin Finish Nickel Bronze Top	-2 Plastic Body with Satin Finish Bronze Top	-85 Plastic Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)	Wt. Lbs.
G4	2",3",4"	$ 870.00	$ 796.00	--	6.0	8.4
G5	2",3",4"	881.00	809.00	$ 1,491.00	7.0	8.7
G6	2",3",4"	983.00	932.00	1,831.00	12.0	9.2
G8	2",3",4"	1,426.00	1,295.00	2,476.00	16.0	12.4

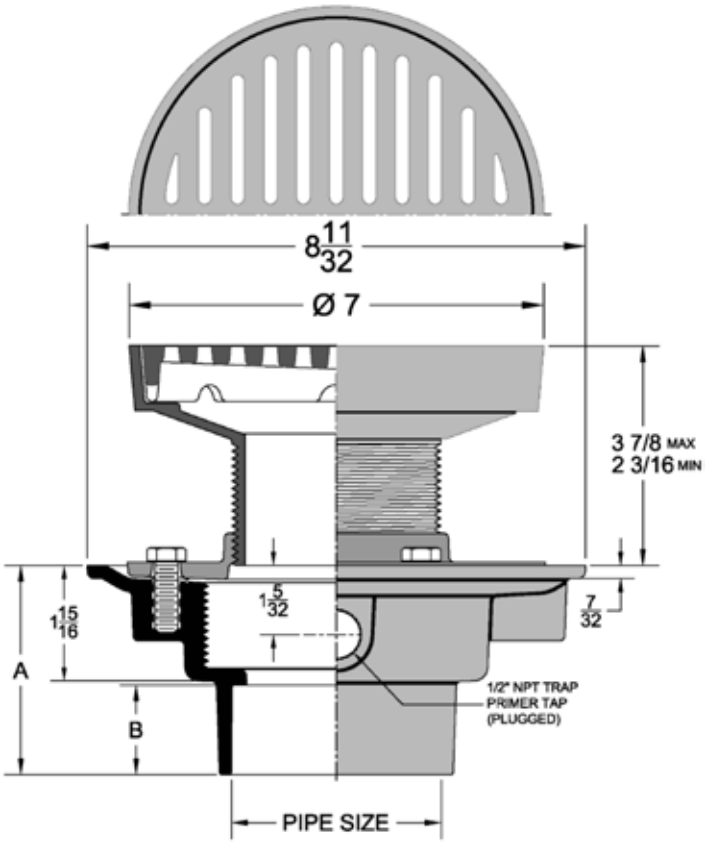
Regularly Furnished: Plastic floor drain body with flange, cast iron integral clamping collar, seepage openings, 1/2" primer tap with plug and adjustable type “G" square top assembly.

Outlet Variations		
Type	Designation	Add
PVC	2PVC,3PVC,4PVC	N/C
ABS	2ABS,3ABS,4ABS	N/C

Suffix Options			
Suffix	Description		Add
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
		-85	2,107.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

P1100-TS Plastic Floor Drain Body w/ Adjustable Round Tractor Top Assembly



Dimensions (Inches)		
Outlet Size	**A**	**B**
2"	3-1/32	1
3"	3-1/2	1-1/2
4"	3-3/4	1-3/4

Top Size & Type	Outlet Size	-1 Plastic Body with Satin Finish Nickel Bronze Top	-2 Plastic Body with Satin Finish Bronze Top	-12 Plastic Body with Ductile Iron Top	Grate Free Area (Sq. In.)	Wt. Lbs.
TS7	2",3",4"	$ 1,613.00	$ 1,480.00	$ 780.00	8.0	14.0

Regularly Furnished: Plastic floor drain body with flange, cast iron integral clamping collar, seepage openings, 1/2" primer tap with plug and adjustable type “TS" round tractor style top assembly.

Outlet Variations		
Type	**Designation**	**Add**
PVC	2PVC,3PVC,4PVC	N/C
ABS	2ABS,3ABS,4ABS	N/C

** Dimensions vary from illustration*

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty



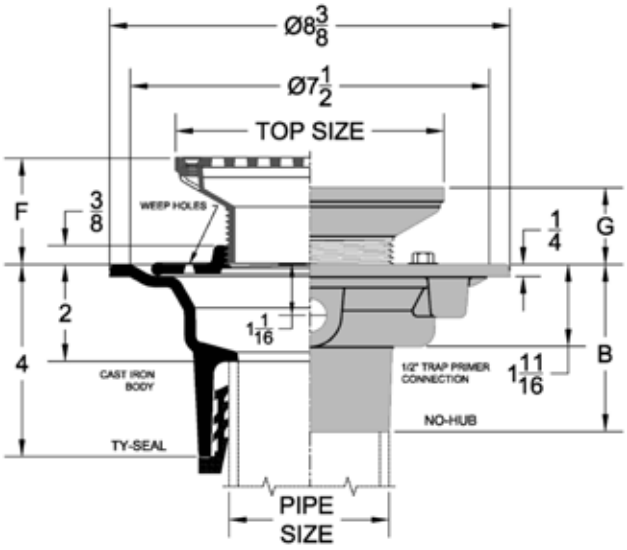
P1100-TS7-1-3PVC

Suffix Options			
Suffix	**Description**		**Add**
DC	Debris Cover		$ 89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
		-12	258.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
		-12	414.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
		-12	258.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
		-12	611.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
41	Galvanized Cast Iron Top		404.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		80.00

1100-A Floor Drain Body w/ Adjustable Round Top Assembly

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, and adjustable type “A" round top assembly.

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty





1100-A6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

** Dimensions vary from illustration*

Top Size	B	
	Min	Max
5	1-7-16	2-1/8
6	1-1/2	2-3/8
7	1-3/8	2-1/4
8	1-3/8	2-1/4
10	1-7/8	3-1/4

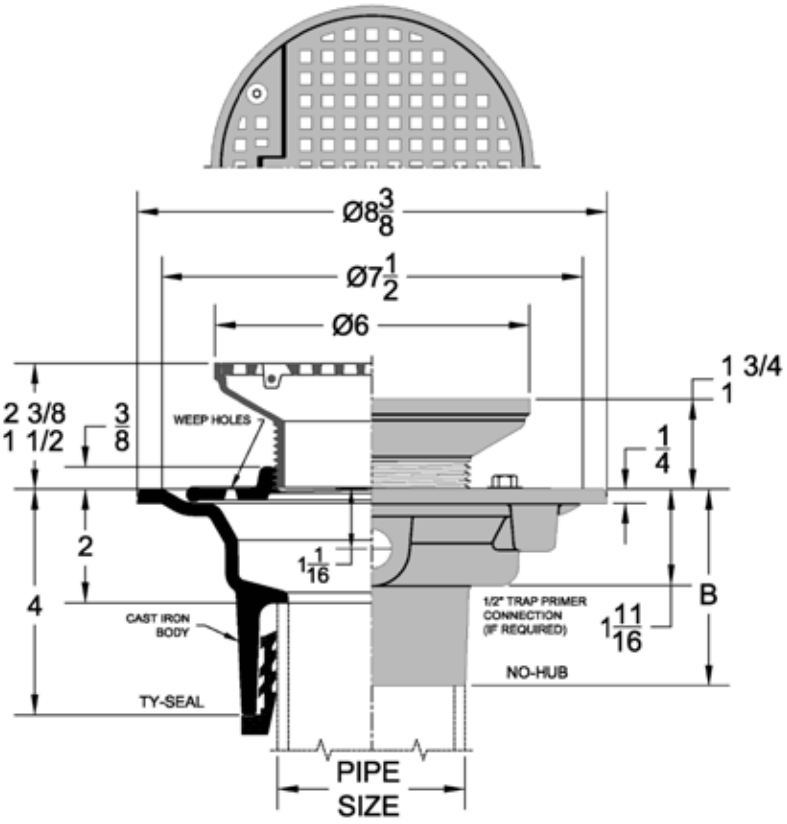
Dimensions (Inches)		
Outlet Size	A	B
5	15/16	1-5/8
6	1	1-3/4
7	1	1-3/4
8	1	1-5/8
10	1-5/8	2-5/8

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-85 Cast Iron Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)	Wt. Lbs.
A5	2",3",4"	$ 662.00	$ 632.00	$ 1,426.00	5.8	8.2
A5	6"	1,402.00	1,371.00	2,166.00	5.8	8.2
A6	2",3",4"	809.00	733.00	1,779.00	7.7	8.6
A6	6"	1,548.00	1,474.00	2,518.00	7.7	8.6
A7	2",3",4"	932.00	886.00	2,296.00	10.6	9.3
A7	6"	1,672.00	1,626.00	3,036.00	10.6	9.3
A8	2",3",4"	1,167.00	1,107.00	2,402.00	14.0	10.2
A8	6"	1,906.00	1,847.00	3,141.00	14.0	10.2
A10	2",3",4"	1,593.00	1,505.00	2,869.00	32.2	14.7
A10	6"	2,334.00	2,245.00	3,609.00	32.2	14.7

Outlet Variations		
Type	Designation	Add
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	Description		Add
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
		-85	2,107.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
X	Heavy Duty Top Assy (A6 Only)		281.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

1100-D Floor Drain Body w/ Adjustable Round Hinged Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty



1100-D6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Grate Free Area (Sq. In.)	Wt. Lbs.
D6	2",3",4"	$ 1,089.00	$ 1,039.00	9.0	9.3
D6	6"	1,830.00	1,779.00	9.0	9.3

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “D" round hinged top assembly.

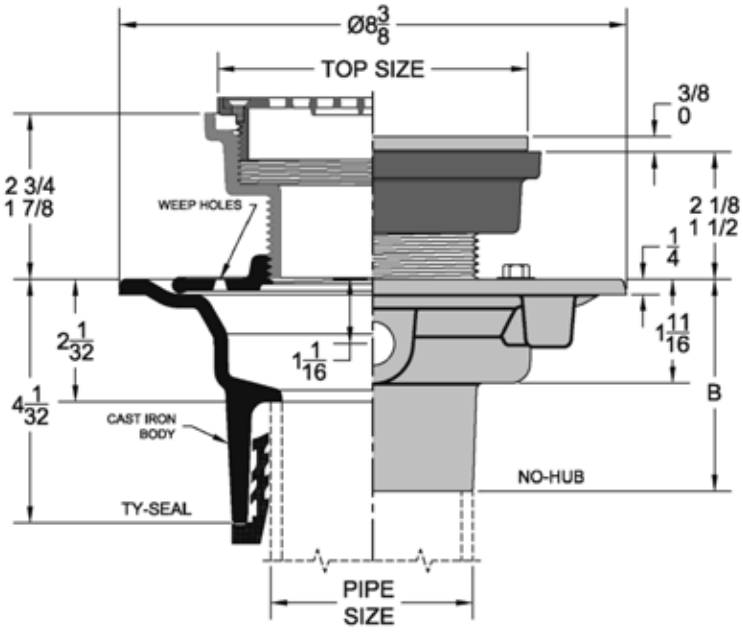
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 741.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (Top Assembly)		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
23	Grate Riser (Extends Grate 3/8")		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure RIng		497.00
39	Galvanized Cast Iron		265.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-DA Floor Drain Body w/ Double Adjustable Top Assembly





ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-85) Satin Bronze	Medium Duty



1100-DA5-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-85 Cast Iron Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)	Wt. Lbs.
DA5	2",3",4"	$ 666.00	$ 1,426.00	8.86	8.7
DA5	6"	1,406.00	2,166.00	8.86	8.7
DA6	2",3",4"	809.00	1,778.00	11.0	8.9
DA6	6"	1,548.00	2,517.00	11.0	8.9

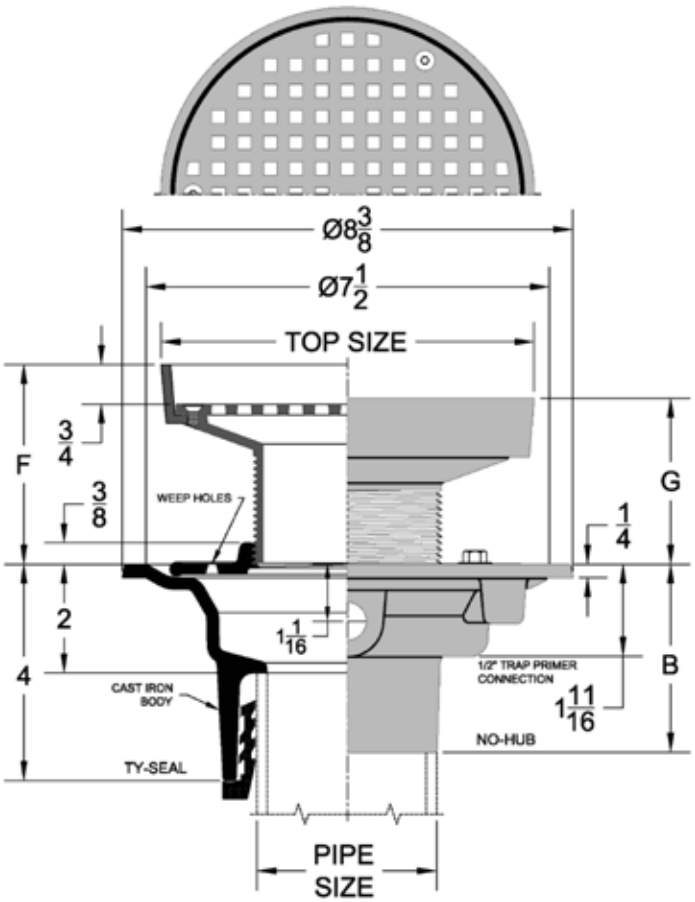
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “DA" round double adjustable top assembly.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 741.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

** Dimensions vary from illustration*

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-85	2,107.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		265.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

1100-ER Floor Drain Body w/ Adjustable Extended Rim Top Assembly (Indirect Waste)



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty



1100-ER7-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-85 Cast Iron Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)	Wt. Lbs.
ER5	2",3",4"	$ 1,497.00	$ 1,407.00	--	5.4	9.5
ER5	6"	2,237.00	2,147.00	--	5.4	9.5
ER7	2",3",4"	1,613.00	1,480.00	$ 2,922.00	13.5	11.4
ER7	6"	2,354.00	2,220.00	3,662.00	13.5	11.4
ER9	2",3",4"	2,262.00	2,066.00	--	22.0	15.1
ER9	6"	3,001.00	2,805.00	--	22.0	15.1

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “ER" round extended rim top assembly.

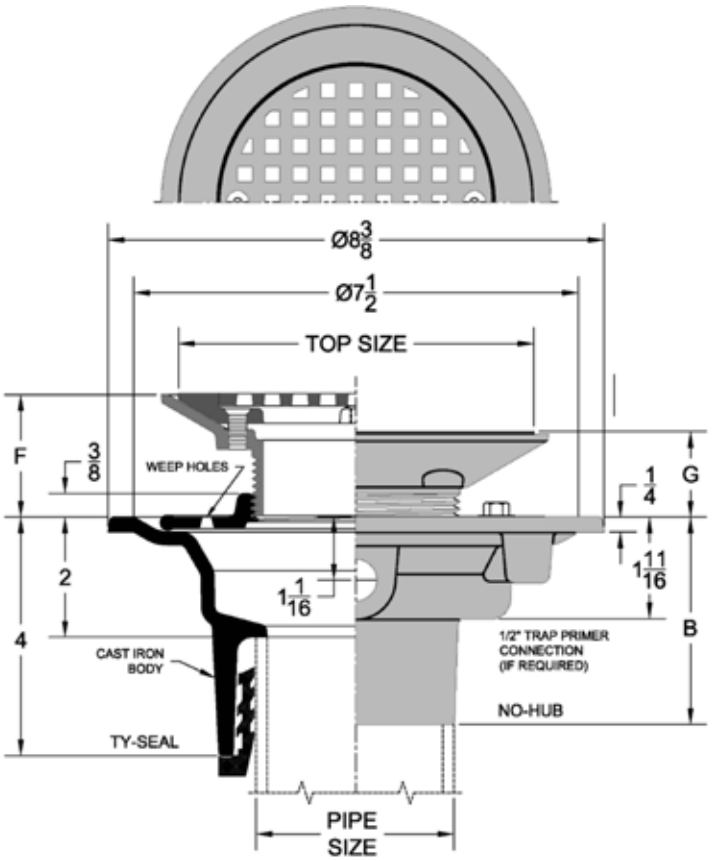
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

FLOOR & AREA DRAINS

1100-FC Floor Drain Body w/ Adjustable Flooring Clamp Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty



1100-FC6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Grate Free Area (Sq. In.)	Wt. Lbs.
FC6	2",3",4"	$ 2,287.00	$ 2,060.00	8.0	11.8
FC6	6"	3,027.00	2,800.00	8.0	11.8
FC9	2",3",4"	2,922.00	2,617.00	14.0	16.6
FC9	6"	3,662.00	3,356.00	14.0	16.6

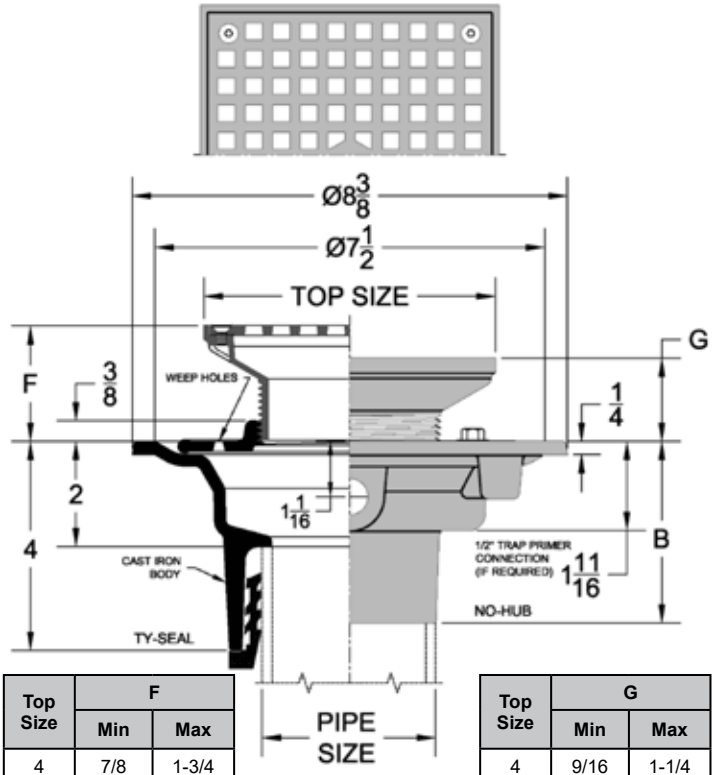
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “FC" round floor clamp top assembly. Strainer shank is painted cast iron.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

** Dimensions vary from illustration*

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-85	2,107.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
41	Galvanized Cast Iron Top		404.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

1100-G Floor Drain Body w/ Adjustable Square Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty



1100-G6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size	F	
	Min	Max
4	7/8	1-3/4
5	1-7/16	2-1/8
6	1-1/2	2-3/8
8	1-3/8	2-1/4

Top Size	G	
	Min	Max
4	9/16	1-1/4
5	15/16	1-5/8
5	1	1-3/4
8	1	1-5/8

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-85 Cast Iron Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq. In.)	Wt. Lbs.
G4	2",3",4"	$ 870.00	$ 796.00	--	9.0	11.5
G4	6"	1,610.00	1,537.00	--	9.0	11.5
G5	2",3",4"	881.00	809.00	$ 1,491.00	7.0	8.7
G5	6"	1,621.00	1,548.00	2,231.00	7.0	8.7
G6	2",3",4"	983.00	932.00	1,831.00	12.0	9.2
G6	6"	1,723.00	1,672.00	2,571.00	12.0	9.2
G8	2",3",4"	1,426.00	1,295.00	2,476.00	16.0	12.4
G8	6"	2,166.00	2,034.00	3,217.00	16.0	12.4

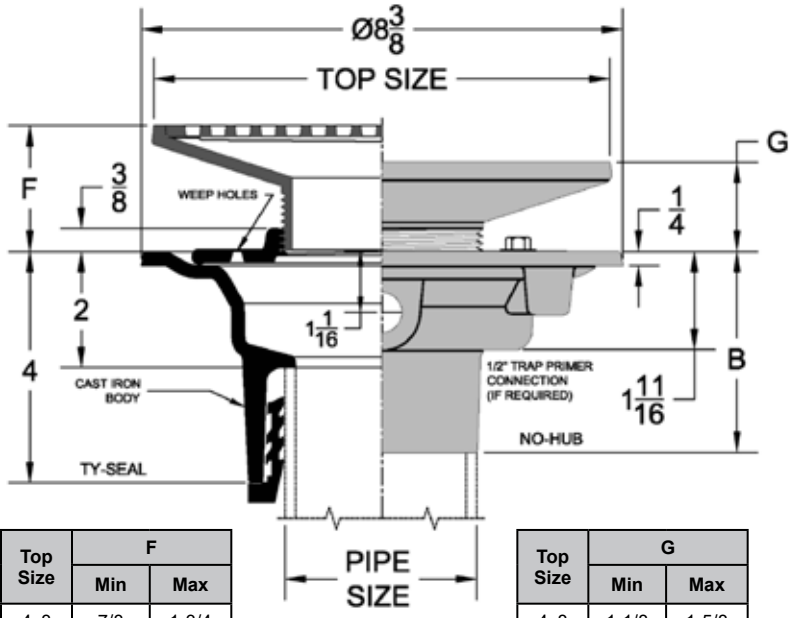
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “G" square top assembly.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

** Dimensions vary from illustration*

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
		-85	2,107.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

1100-H Floor Drain Body w/ Adjustable Rectangular Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty

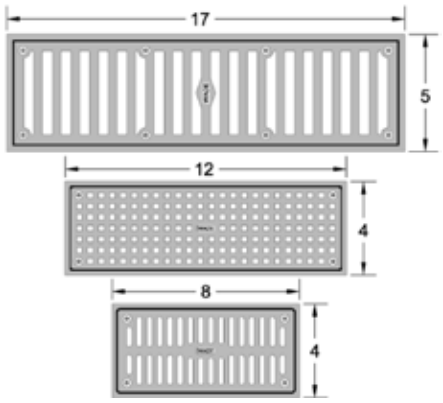


1100-H4X12-1-3TY

Top Size	F	
	Min	Max
4x8	7/8	1-3/4
4x12	1-7/16	2-1/8
5x17	1-1/2	2-3/8

Top Size	G	
	Min	Max
4x8	1-1/8	1-5/8
4x12	1-1/8	1-5/8
5x17	1-3/4	2-5/8

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4



Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Grate Free Area (Sq. In.)	Wt. Lbs.
H4x8	2",3",4"	$ 1,523.00	$ 1,423.00	10.0	11.1
H4x8	6"	2,263.00	2,162.00	10.0	11.1
H4x12	2",3",4"	2,066.00	1,876.00	14.0	12.3
H4x12	6"	2,805.00	2,616.00	14.0	12.3
H5x17	2",3",4"	2,202.00	2,012.00	32.0	20.8
H5x17	6"	2,942.00	2,753.00	32.0	20.8

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “H" rectangular top assembly.

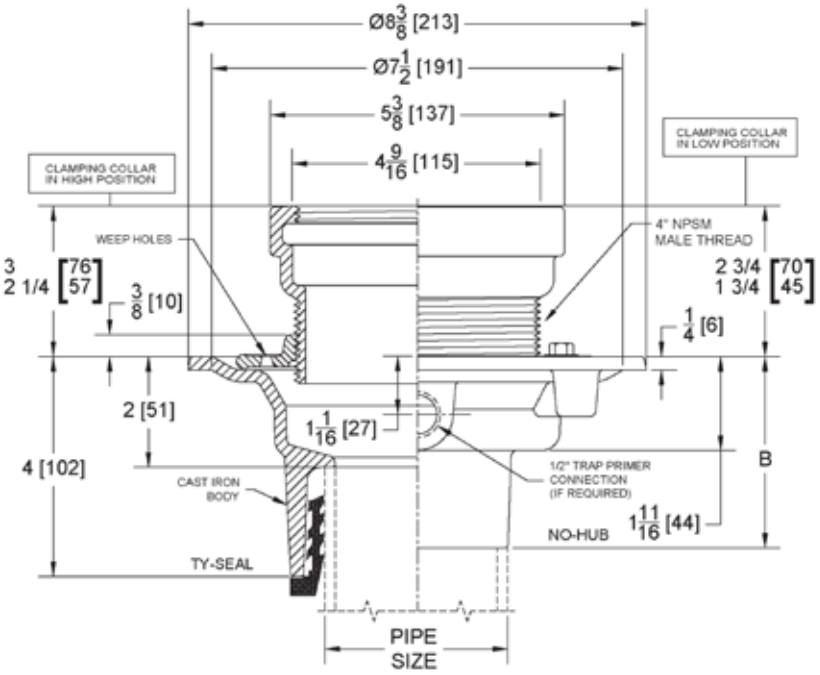
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

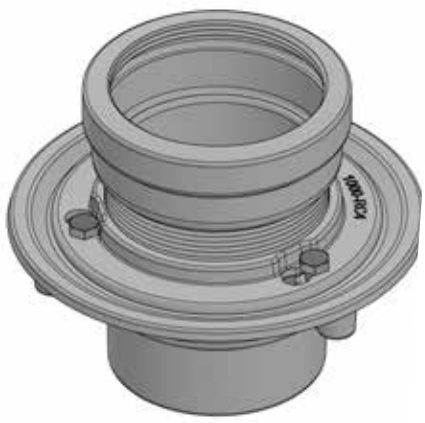
Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-HD Floor Drain Body w/ Adjustable Round Hub Condensate Opening

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty





Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
HD	2",3",4",6" (51,76,102,152)	$ 1,160.00	$ 706.00
Wt. Lbs. 8.0 (4)			

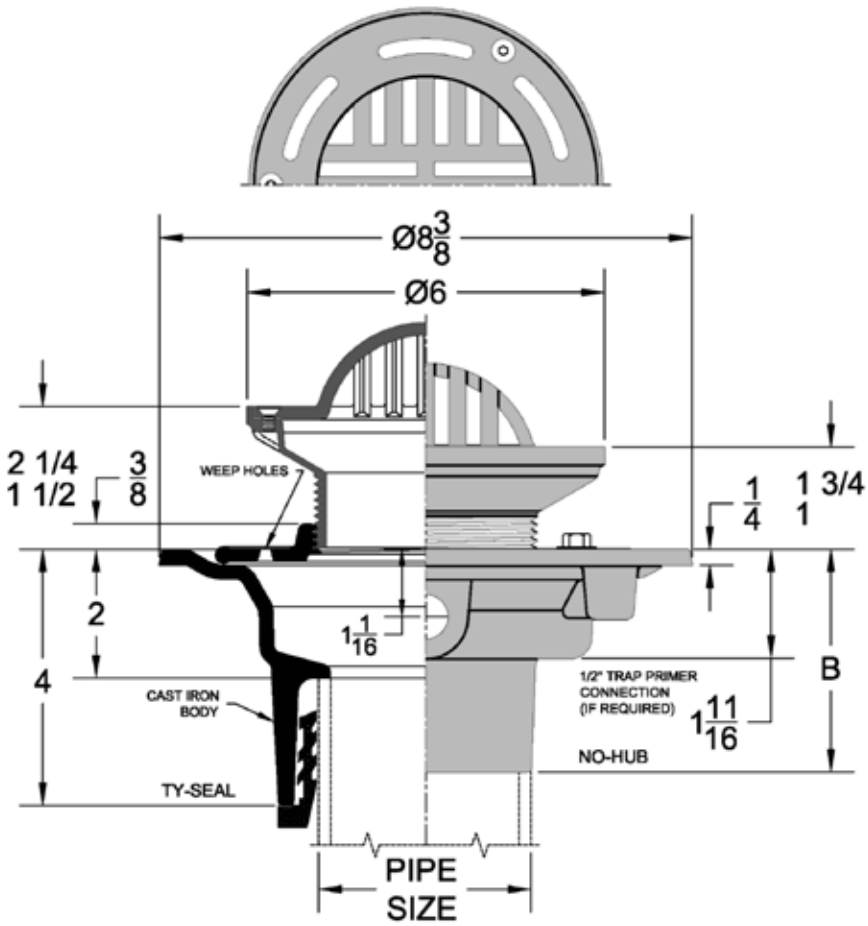
Regularly Furnished: Painted cast iron floor drain body with flange, seepage openings, 1/2" primer tap with plug, & type “HD" hub top assembly.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
39	Galv. Cast Iron		266.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-K Floor Drain Body w/ Adjustable Round Top Assembly (Dome Grate)





1100-K6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Grate Free Area (Sq. In.)	Wt. Lbs.
K6	2",3",4"	$ 1,175.00	$ 1,067.00	9.0	9.6
K6	6"	1,916.00	1,808.00	9.0	9.6

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “K" round dome top assembly.

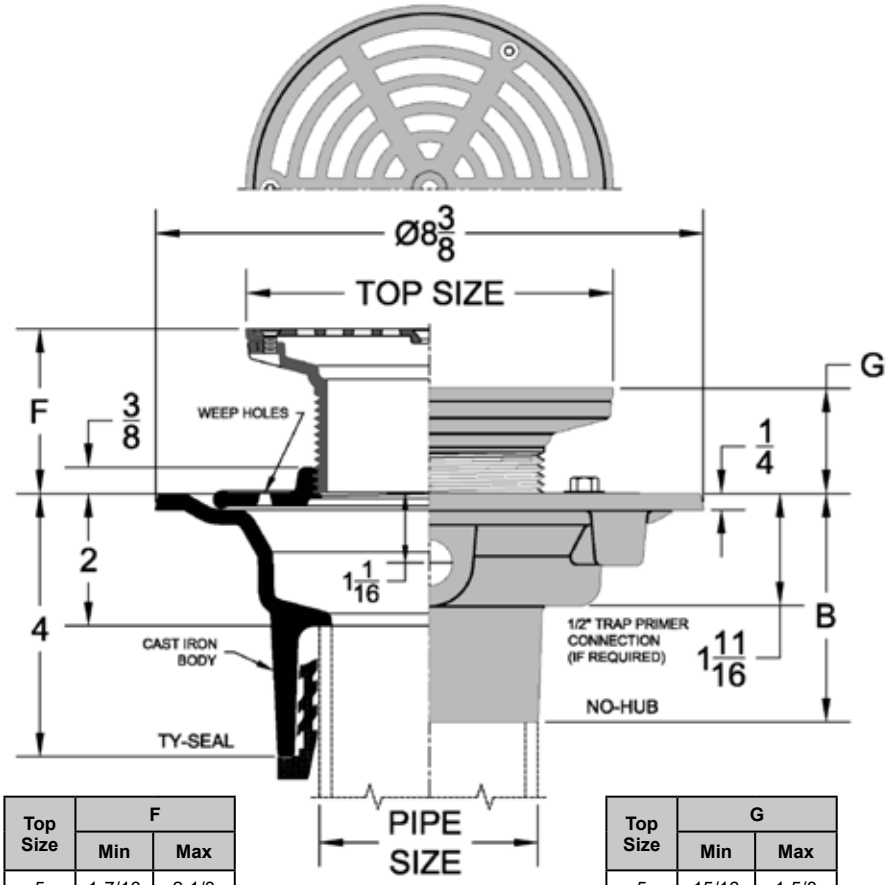
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-MR Floor Drain Body w/ Adjustable Round Top Assembly

ASME Load Rating	
(-85) Stainless Steel	Medium Duty





1100-MR5-85-3TY

Top Size	F	
	Min	Max
5	1-7/16	2-1/8
6	1-1/2	2-3/8

Top Size	G	
	Min	Max
5	15/16	1-5/8
6	1	1-3/4

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-85 Cast Iron Body with Stainless Steel Grate	Grate Free Area (Sq. In.)	Wt. Lbs.
MR5	2",3",4"	$ 661.00	6.3	9.4
MR5	6"	1,399.00	6.3	9.4
MR6	2",3",4"	808.00	9.5	10.2
MR6	6"	1,547.00	9.5	10.2

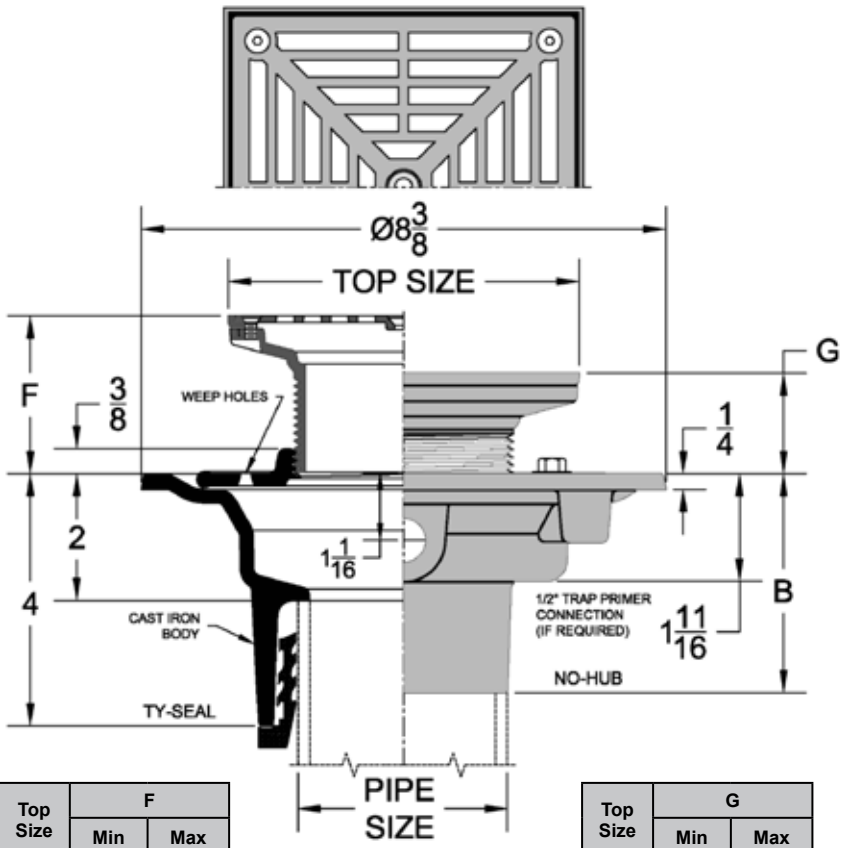
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “MR" round top assembly. Shank is cast iron with stainless steel frame and grate.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
41	Galvanized Cast Iron Shank		404.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-MS Floor Drain Body w/ Adjustable Square Top Assembly



ASME Load Rating	
(-85) Stainless Steel	Medium Duty



1100-MS5-85-3TY

Top Size	F	
	Min	Max
5	1-7/16	2-1/8
6	1-1/2	2-3/8

Top Size	G	
	Min	Max
5	15/16	1-5/8
6	1	1-3/4

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-85 Cast Iron Body with Stainless Steel Grate	Grate Free Area (Sq. In.)	Wt. Lbs.
MS5	2",3",4"	$ 878.00	8.8	10.3
MS5	6"	1,617.00	8.8	10.3
MS6	2",3",4"	983.00	12.7	11.4
MS6	6"	1,722.00	12.7	11.4

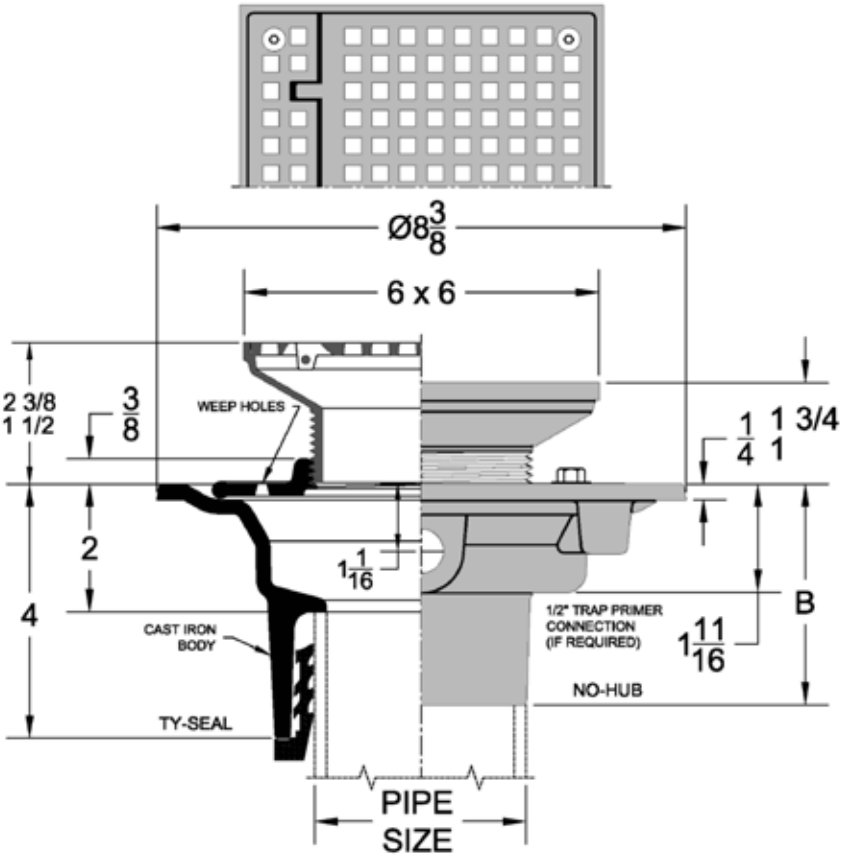
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “MS" square top assembly. Shank is cast iron w/ stainless steel frame and grate.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly	-85	1,619.00
EG6	6" Elongated Funnel Assembly	-85	2,107.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
41	Galvanized Cast Iron Shank		404.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-N Floor Drain Body w/ Adjustable Square Hinged Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty



1100-N6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Grate Free Area (Sq. In.)	Wt. Lbs.
N6	2",3",4"	$ 1,435.00	$ 1,381.00	10.0	10.3
N6	6"	2,175.00	2,120.00	10.0	10.3

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “N" square hinged top assembly.

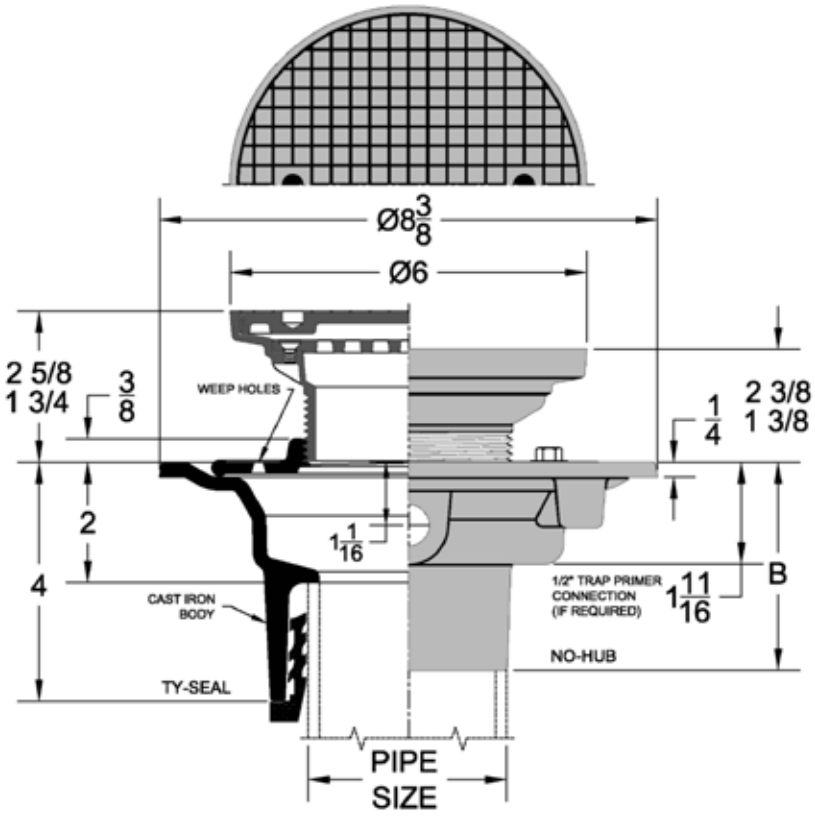
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

FLOOR & AREA DRAINS

1100-P Floor Drain Body w/ Adjustable Round Solid Spanner Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty



1100-P6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Wt. Lbs.
P6	2",3",4"	$ 1,547.00	$ 1,442.00	10.9
P6	6"	2,287.00	2,183.00	17.6

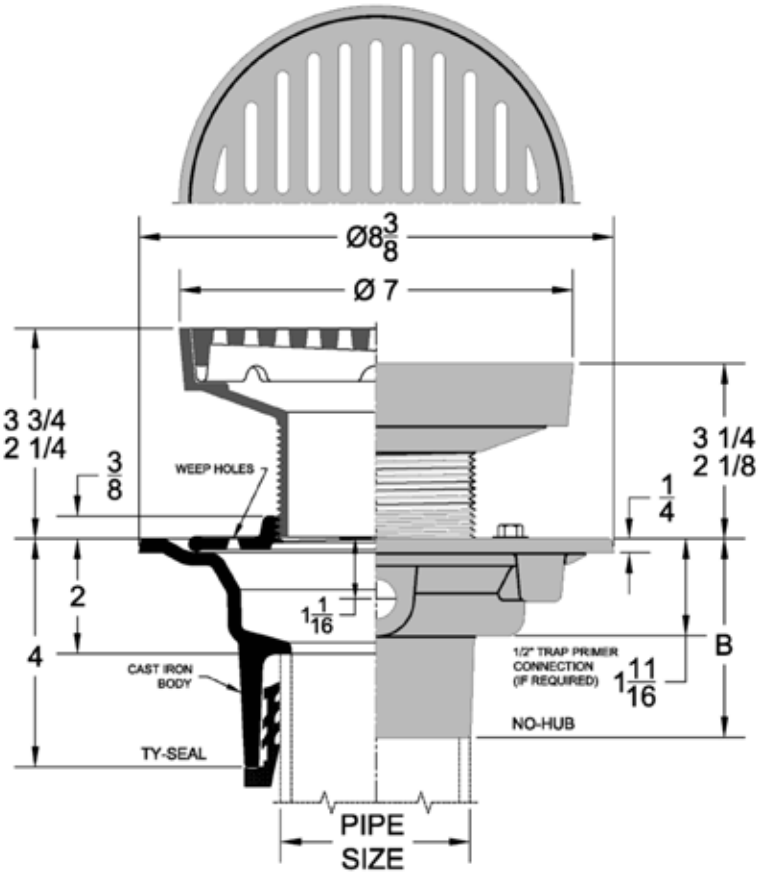
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “P" solid spanner top assembly.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1100-TS Floor Drain Body w/ Adjustable Round Tractor Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Heavy Duty



1100-TS7-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Grate Free Area (Sq. In.)	Wt. Lbs.
TS7	2",3",4"	$ 1,613.00	$ 1,480.00	$ 780.00	8.0	14.0
TS7	6"	2,354.00	2,220.00	1,520.00	8.0	15.0

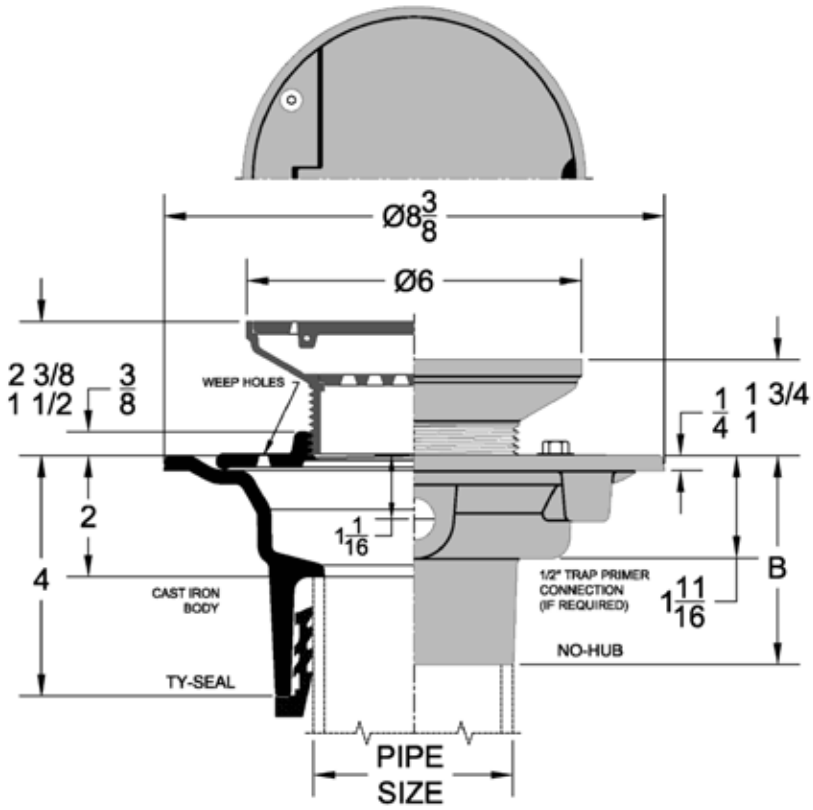
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “TS" round tractor style top assembly.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

** Dimensions vary from illustration*

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
23	Grate Riser (Extends Grate 3/8"		319.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

1100-VD Floor Drain Body w/ Adjustable Round Solid Hinged Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty



1100-VD6-1-3TY

Outlet	No-Hub	Inside Caulk	Threaded
B	3-1/2	4-1/4	2-3/4

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	Wt. Lbs.
VD6	2",3",4"	$ 1,313.00	$ 1,167.00	18.6
VD6	6"	2,052.00	1,906.00	19.6

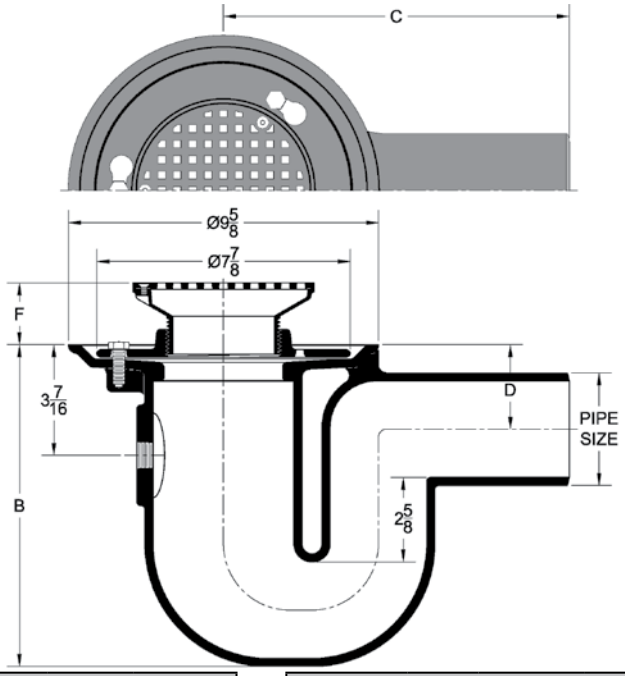
Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable type “VD" round solid hinged top assembly.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
	6NH * (Above Pricing Includes Adder)	$ 740.00
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS)		300.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		266.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

** Dimensions vary from illustration*

1120-A Floor Drain Body w/ Integral Trap & Adjustable Round Top Assembly



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-85) Stainless Steel	Medium Duty

1120-A6-1-3NH



** Dimensions vary from illustration*

Dimensions (In.)		
Top Size	F (High Position)	
	Min	Max
A5	1-3/8	2-1/8
A6	1-3/8	2-1/4
A7	1-3/8	2-1/8
A8	1-1/2	2-1/8
A10	2	3-1/4

Dimensions (In.)			
Pipe Size	B	C	D
2"	7-7/8	1-1/16	2
3"	10	12-15/16	2-5/8
4"	12	13-9/16	3-1/8

Top Size & Type	Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-85 Cast Iron Body with Satin Finish Stainless Steel Top	Grate Free Area (Sq.In.)	Wt. Lbs.
A5	2",3"	$ 1,379.00	$ 1,348.00	$ 2,244.00	5.8	29.1
A5	4"	1,518.00	1,486.00	2,382.00	5.8	29.1
A6	2",3"	1,525.00	1,451.00	2,495.00	7.7	29.5
A6	4"	1,664.00	1,589.00	2,633.00	7.7	29.5
A7	2",3"	1,649.00	1,602.00	3,013.00	10.6	30.2
A7	4"	1,788.00	1,740.00	3,152.00	10.6	30.2
A8	2",3"	1,883.00	1,824.00	3,117.00	14.0	31.1
A8	4"	2,023.00	1,963.00	3,257.00	14.0	31.1
A10	2",3"	2,310.00	2,222.00	3,585.00	32.2	35.6
A10	4"	2,449.00	2,361.00	3,724.00	32.2	35.6

Regularly Furnished: Cast iron floor drain body with flange, integral clamping collar & p-trap, seepage openings, 1/2" NPT trap primer tapping with plug, adjustable type “A" round top assembly.

Outlet Variations		
Type	Designation	Add
No-Hub	2NH,3NH,4NH	N/C

Suffix Options			
Suffix	Description		Add
ARC	ACID Resistant Coating		$ 234.00
DC	Debris Cover		89.00
DIA	Deck Installation Assembly *		186.00
EF4	4" Round Funnel Assembly *	-1	611.00
		-2	497.00
		-85	1,619.00
EF6	6" Round Funnel Assembly *	-1	906.00
		-2	765.00
		-85	2,107.00
EG6	6" Elongated Funnel Assembly *	-1	611.00
		-2	497.00
		-85	2,107.00
EG8	8" Elongated Funnel Assembly *	-1	1,265.00
		-2	1,116.00
		-85	2,107.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		78.00
27	Sediment Bucket		150.00
31	Backwater Valve		522.00
33	Closure Plug		497.00
39	Galv. Cast Iron		565.00
83	Special Engraving		264.00
94	Cast Iron Extension Adapter *	Painted	192.00
		39 Galv.	417.00
102	Chrome Plated Top Assembly		38.00

1100 Adjustable Floor & Area Drain Bodies

Cast Iron Bottom Outlet Bodies		List Price			
Part Number	Outlet Size / Type	Painted	(ARC)	39 Galv.	Wt. Lbs.
WP1100-2IC	2" Inside Caulk	$ 237.00	$ 376.00	$ 503.00	6.9
WP1100-3IC	3" Inside Caulk	237.00	376.00	503.00	10.3
WP1100-4IC	4" Inside Caulk	237.00	376.00	503.00	10.1
WP1100-2IPS	2" Threaded	349.00	488.00	615.00	9.3
WP1100-3IPS	3" Threaded	349.00	488.00	615.00	10.1
WP1100-4IPS	4" Threaded	349.00	488.00	615.00	10.1
WP1100-2NH	2" No-Hub	237.00	376.00	503.00	6.9
WP1100-3NH	3" No-Hub	237.00	376.00	503.00	6.8
WP1100-4NH	4" No-Hub	237.00	376.00	503.00	6.5
WP1100-2TY	2" Push On with Gasket	237.00	376.00	503.00	7.6
WP1100-3TY	3" Push On with Gasket	237.00	376.00	503.00	7.6
WP1100-4TY	4" Push On with Gasket	237.00	376.00	503.00	7.1



Cast Iron Bottom Outlet Bodies (LB)		List Price			
Part Number	Outlet Size / Type	Painted	(ARC)	39 Galv.	Wt. Lbs.
WP1100-LB-2IC	2" Inside Caulk	$ 237.00	$ 376.00	$ 503.00	6.5
WP1100-LB-3IC	3" Inside Caulk	237.00	376.00	503.00	7.0
WP1100-LB-4IC	4" Inside Caulk	237.00	376.00	503.00	6.8
WP1100-LB-2IPS	2" Threaded	349.00	488.00	615.00	6.0
WP1100-LB-3IPS	3" Threaded	349.00	488.00	615.00	6.8
WP1100-LB-4IPS	4" Threaded	349.00	488.00	615.00	6.8
WP1100-LB-2NH	2" No-Hub	237.00	376.00	503.00	6.5
WP1100-LB-3NH	3" No-Hub	237.00	376.00	503.00	6.3
WP1100-LB-4NH	4" No-Hub	237.00	376.00	503.00	6.5
WP1100-LB-6NH	6" No-Hub	977.00	1,208.00	1,244.00	13.6
WP1100-LB-2TY	2" Push On with Gasket	237.00	376.00	503.00	7.3
WP1100-LB-3TY	3" Push On with Gasket	237.00	376.00	503.00	8.0
WP1100-LB-4TY	4" Push On with Gasket	237.00	376.00	503.00	8.7



Cast Iron Side Outlet Bodies		List Price			
Part Number	Outlet Size / Type	Painted	(ARC)	39 Galv.	Wt. Lbs.
WP1100-SO-2IPS	2" Threaded	$ 647.00	$ 787.00	$ 912.00	17.5
WP1100-SO-3IPS	3" Threaded	647.00	787.00	912.00	13.5
WP1100-SO-4IPS	4" Threaded	647.00	787.00	912.00	15.6



1100 Adjustable Floor & Area Drain Bodies

Plastic Bottom Outlet Bodies		List Price	Wt. Lbs.
Part Number	Outlet Size / Type		
WP1100-2PVC	2" Socket Weld	$ 182.00	3.2
WP1100-3PVC	3" Socket Weld	182.00	3.2
WP1100-4PVC	4" Socket Weld	182.00	3.2
WP1100-2ABS	2" Socket Weld	182.00	3.2
WP1100-3ABS	3" Socket Weld	182.00	3.2
WP1100-4ABS	4" Socket Weld	182.00	3.2



WP1100-3PVC

Cast Iron Bodies w/ P-Trap		List Price			
Part Number	Outlet Size / Type	Painted	(ARC)	39 Galv.	Wt. Lbs.
WP1120-2NH	2" No-Hub	$ 955.00	$ 1,482.00	$ 1,226.00	24.0
WP1120-3NH	3" No-Hub	955.00	1,482.00	1,226.00	27.8
WP1120-4NH	4" No-Hub	1,094.00	1,620.00	1,347.00	35.3



WP1120-3NH

1100 Adjustable Strainer Assemblies (3" NPSM Threaded Shank)

Type 'A' Round Strainer w/ Square Holes		List Price	Wt. Lbs.
WP1100-A5-1	Satin Finish Nickel Bronze	$ 425.00	1.3
WP1100-A5-2	Satin Finish Bronze Top	394.00	1.3
WP1100-A5-85	Satin Finish Stainless Steel Top	1,189.00	1.3
WP1100-A5-102	Chrome Plated	462.00	1.3
WP1100-A5-ARC	A.R.C. Coated (White)	517.00	1.3
WP1100-A6-1	Satin Finish Nickel Bronze	572.00	1.7
WP1100-A6-2	Satin Finish Bronze	496.00	1.7
WP1100-A6-85	Satin Finish Stainless Steel	1,542.00	2.3
WP1100-A6-102	Chrome Plated	609.00	1.7
WP1100-A6-ARC	A.R.C. Coated (White)	665.00	1.7
WP1100-A7-1	Satin Finish Nickel Bronze	695.00	2.4
WP1100-A7-2	Satin Finish Bronze Top	648.00	2.4
WP1100-A7-85	Satin Finish 304 Stainless Steel	2,058.00	2.8
WP1100-A7-102	Chrome Plated	732.00	2.4
WP1100-A7-ARC	A.R.C. Coated (White)	789.00	2.4
WP1100-A8-1	Satin Finish Nickel Bronze	930.00	3.3
WP1100-A8-2	Satin Finish Bronze	870.00	3.3
WP1100-A8-85	Satin Finish 304 Stainless Steel	2,165.00	4.4
WP1100-A8-102	Chrome Plated	968.00	3.3
WP1100-A8-ARC	A.R.C. Coated (White)	1,023.00	3.3
WP1100-A10-1	Satin Finish Nickel Bronze Top Assembly	1,356.00	7.8
WP1100-A10-2	Satin Finish Bronze Top Assembly	1,268.00	7.8
WP1100-A10-85	Satin Finish 304 Stainless Steel Top Assembly	2,632.00	8.0



WP1100-A6-1

1100 Adjustable Strainer Assemblies (3" NPSM Threaded Shank)

Type 'D' Strainer (Round Hinged Grate)		List Price	Wt. Lbs.
WP1100-D6-1	Satin Finish Nickel Bronze Top Assembly	$ 852.00	2.4
WP1100-D6-2	Satin Finish Bronze Top Assembly	802.00	2.4



D6-1

Type 'DA' Strainer (Round Double Adjust)		List Price	Wt. Lbs.
WP1100-DA5-1	Satin Finish Nickel Bronze Top Assembly	$ 429.00	1.8
WP1100-DA5-85	Satin Finish Stainless Steel Top Assembly	1,189.00	1.9
WP1100-DA6-1	Satin Finish Nickel Bronze Top Assembly	572.00	2.0
WP1100-DA6-85	Satin Finish Stainless Steel Top Assembly	1,541.00	2.1



DA6-1

Type 'ER' Strainer (w/ Extended Rim)		List Price	Wt. Lbs.
WP1100-ER5-1	Satin Finish Nickel Bronze	$ 1,260.00	2.6
WP1100-ER5-2	Satin Finish Bronze	1,170.00	2.6
WP1100-ER7-1	Satin Finish Nickel Bronze	1,376.00	4.5
WP1100-ER7-2	Satin Finish Bronze	1,243.00	4.5
WP1100-ER7-85	Satin Finish Stainless Steel	2,685.00	5.0
WP1100-ER9-1	Satin Finish Nickel Bronze	2,025.00	8.2
WP1100-ER9-2	Satin Finish Bronze Top	1,829.00	8.2



ER7-1

1100 Adjustable Strainer Assemblies (3" NPSM Threaded Shank)

Type 'FC' Strainer (w/ Flooring Clamp)		List Price	Wt. Lbs.
WP1100-FC6-1	C.I. Shank / Satin Finish Nickel Bronze Top	$2,050.00	4.9
WP1100-FC6-1-41	C.I. (Galv.) Shank / Satin Finish Nickel Bronze Top	2,452.00	4.9
WP1100-FC6-2	C.I. Shank / Satin Finish Bronze Top	1,823.00	4.9
WP1100-FC9-1	C.I. Shank / Satin Finish Nickel Bronze Top	2,685.00	9.7
WP1100-FC9-1-41	C.I. Shank / Satin Finish Nickel Bronze Top	3,087.00	9.7
WP1100-FC9-2	C.I. Shank / Satin Finish Bronze Top	2,380.00	9.7

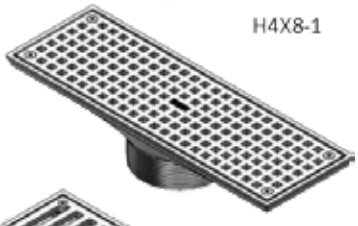

FC6-1

Type 'G' Strainer (Square w/ Square Openings)		List Price	Wt. Lbs.
WP1100-G4-1	Satin Finish Nickel Bronze	$ 633.00	1.5
WP1100-G4-2	Satin Finish Bronze Top Assembly	559.00	1.5
WP1100-G5-1	Satin Finish Nickel Bronze	644.00	1.8
WP1100-G5-2	Satin Finish Bronze	572.00	1.8
WP1100-G5-85	Satin Finish Stainless Steel	1,254.00	1.9
WP1100-G5-102	Chrome Plated	681.00	1.8
WP1100-G6-1	Satin Finish Nickel Bronze	746.00	2.3
WP1100-G6-2	Satin Finish Bronze	696.00	2.3
WP1100-G6-85	Satin Finish Stainless Steel	1,593.00	2.4
WP1100-G6-102	Chrome Plated	784.00	2.3
WP1100-G8-1	Satin Finish Nickel Bronze	1,189.00	5.5
WP1100-G8-2	Satin Finish Bronze Top	1,058.00	5.5
WP1100-G8-85	Satin Finish Stainless Steel	2,240.00	5.6
WP1100-G8-102	Chrome Plated	1,226.00	5.5
WP1100-G10-85	Satin Finish Stainless Steel	4,007.00	5.6


G5-1


H4X8-1

Type 'H' Strainers (Rectangular)		List Price	Wt. Lbs.
WP1100-H4X8-1	Satin Finish Nickel Bronze	$ 1,286.00	4.2
WP1100-H4X8-2	Satin Finish Bronze	1,186.00	4.2
WP1100-H4X12-1	Satin Finish Nickel Bronze	1,829.00	5.4
WP1100-H4X12-2	Satin Finish Bronze	1,638.00	5.4
WP1100-H5X17-1	Satin Finish Nickel Bronze	1,965.00	13.9
WP1100-H5X17-2	Satin Finish Bronze	1,776.00	13.9


H4X12-1


H5X17-1

Type "HD" Round Open Hub Strainer		List Price	Wt.
WP1100-HD5-1	Satin Finish Nickel Bronze	$ 837.00	1.8
WP1100-HD5-12	Cast Iron	383.00	3.0

1100 Adjustable Strainer Assemblies (3" NPSM Threaded Shanks)

Type 'K' Strainers (w/ Dome Grate)		List Price	Wt. Lbs.
WP1100-K6-1	"K6" Satin Finish Nickel Bronze	$ 938.00	2.7
WP1100-K6-2	"K6" Satin Finish Bronze	831.00	2.7

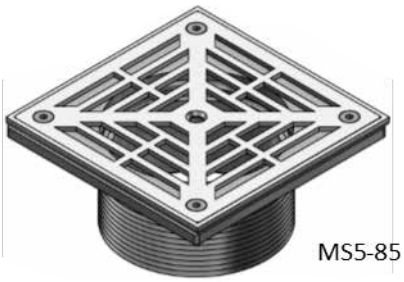


K6-1

Type 'MR' (Stainless Steel Round Slotted Top)		List Price	Wt. Lbs.
WP1100-MR5-85	Cast Iron / Satin Finish Stainless Steel Top	$ 424.00	2.5
WP1100-MR6-85	Cast Iron / Satin Finish Stainless Steel Top	571.00	3.3



Type 'MS' (Stainless Steel Square Slotted Top)		List Price	Wt. Lbs.
WP1100-MS5-85	Cast Iron / Satin Finish Stainless Steel Top	$ 641.00	3.4
WP1100-MS6-85	Cast Iron / Satin Finish Stainless Steel Top	746.00	4.5



MS5-85

Type 'N' Strainers (Square Hinged Grate)		List Price	Wt. Lbs.
WP1100-N6-1	Satin Finish Nickel Bronze	$ 1,197.00	3.4
WP1100-N6-2	Satin Finish Bronze	1,143.00	3.4



N6-1

Type 'P' Strainers (Spanner Cover)		List Price	Wt. Lbs.
WP1100-P6-1	Satin Finish Nickel Bronze	$ 1,310.00	4.0
WP1100-P6-2	Satin Finish Bronze	1,206.00	4.0



P6-1

1100 Adjustable Strainer Assemblies (3" NPSM Threaded Shank)

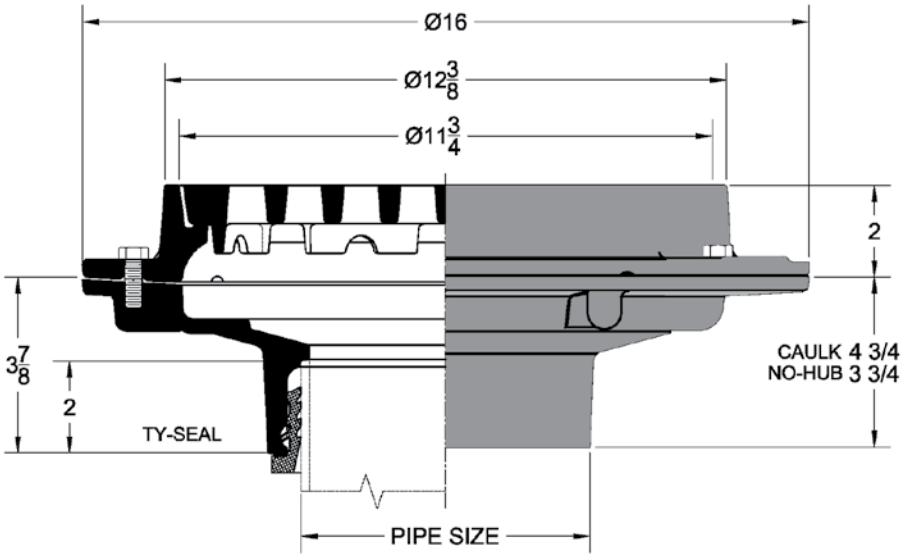
Type 'TS' Strainers (w/ Round Tractor Grate)		List Price	Wt. Lbs.
WP1100-TS7-1	Satin Finish Nickel Bronze	$ 1,376.00	5.6
WP1100-TS7-2	"TS7" Satin Finish Bronze	1,243.00	5.6
WP1100-TS7-12	"TS7" Ductile Iron	542.00	7.1
WP1100-TS7-12-VP	"TS7" Ductile Iron (Vandal Proof)	620.00	7.1
WP1100-TS7-41	Ductile Iron (Galvanized)	667.00	7.1
WP1100-TS7-12-85	"TS7" Ductile Iron (w/ S/S Veneer)	1,404.00	7.6
WP1100-TS7-12-41-85	"TS7" Ductile Iron (Galv. w/ S/S Veneer)	1,584.00	7.6



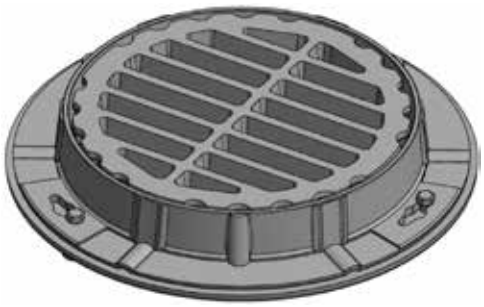
Type 'VD' Strainers (w/ Solid Hinged Cover)		List Price	Wt. Lbs.
WP1100-VD6-1	Satin Finish Nickel Bronze	$ 1,076.00	3.4
WP1100-VD6-2	Satin Finish Bronze	930.00	3.4



1200 12" Diameter, Special Duty, Shallow Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1200-12-3TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 2,546.00	$ 1,558.00
8",10"	2,847.00	1,858.00
Wt. Lbs.	73.8	71.8
Grate Free Area (Sq. In.)	25.6	43.4

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & special duty grate.

–1 or –2 Tops furnished heel proof (Except TD).
Add 1/4" to Top Dimension.

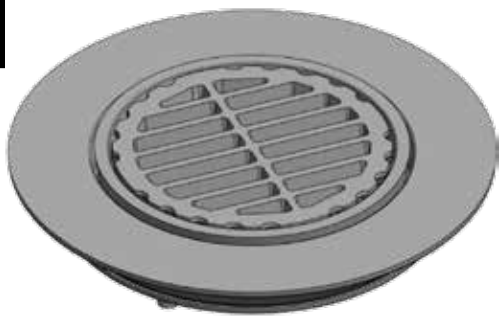
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,161.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		186.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	666.00
		-2	570.00
		-12	189.00
8	Secondary Strainer		84.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		795.00
23	2" Grate Riser		192.00
27	Sediment Bucket (Aluminum)		281.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		770.00

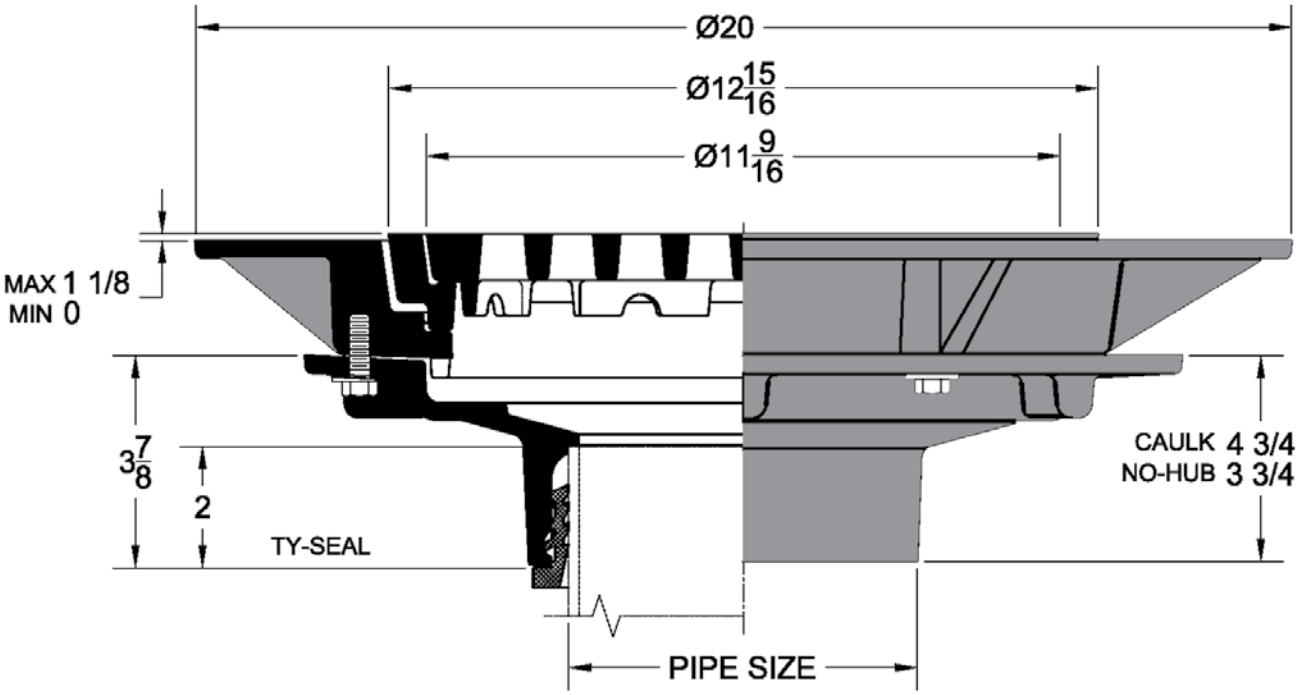
** Dimensions vary from illustration*

1200-E 12" Diameter, Special Duty & Area Drain w/ Elastomeric Flange

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1200-E-12-3TY



Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 3,401.00	2,402.00
8",10"	3,818.00	2,817.00
Wt. Lbs.	44.0	42.0
Grate Free Area (Sq. In.)	25.6	43.4

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, elastomeric wide flange & special duty grate.

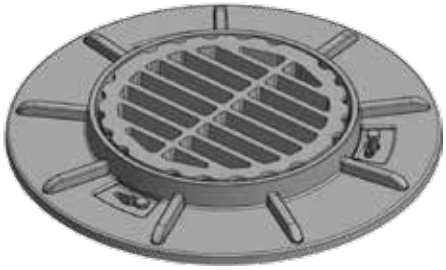
–1 or –2 Tops furnished heel proof (except TD).
Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,672.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		186.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
XS	Extra Shallow Body (3,4,6" No-Hub) *		N/C
7	Dome Grate	-1	666.00
		-2	570.00
		-12	189.00
8	Secondary Strainer		84.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		795.00
23	2" Grate Riser		192.00
27	Sediment Bucket (Aluminum)		281.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		1,242.00

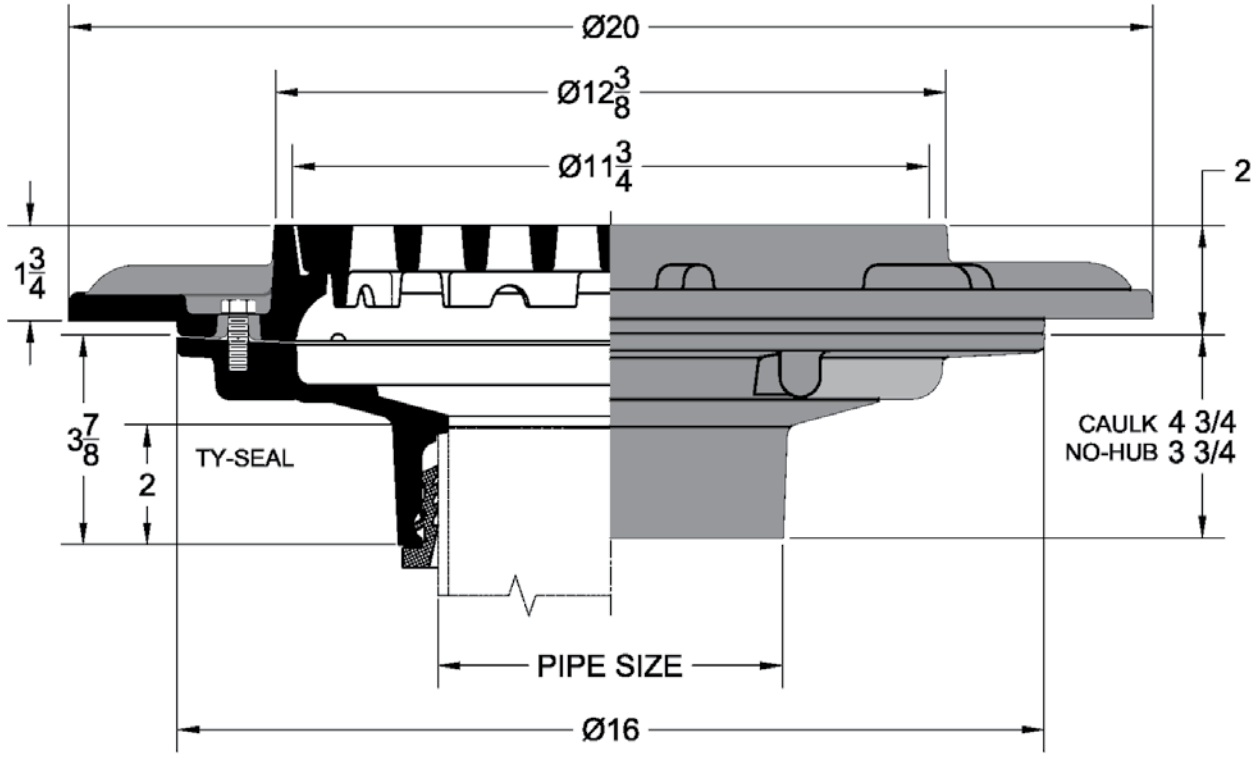
** Dimensions vary from illustration*

1207 12" Diameter, Special Duty Parking Area Drain



1207-12-3TY

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,036.00	$ 3,259.00
8",10"	5,338.00	3,559.00
Wt. Lbs.	48.0	46.0
Grate Free Area (Sq. In.)	25.6	43.4

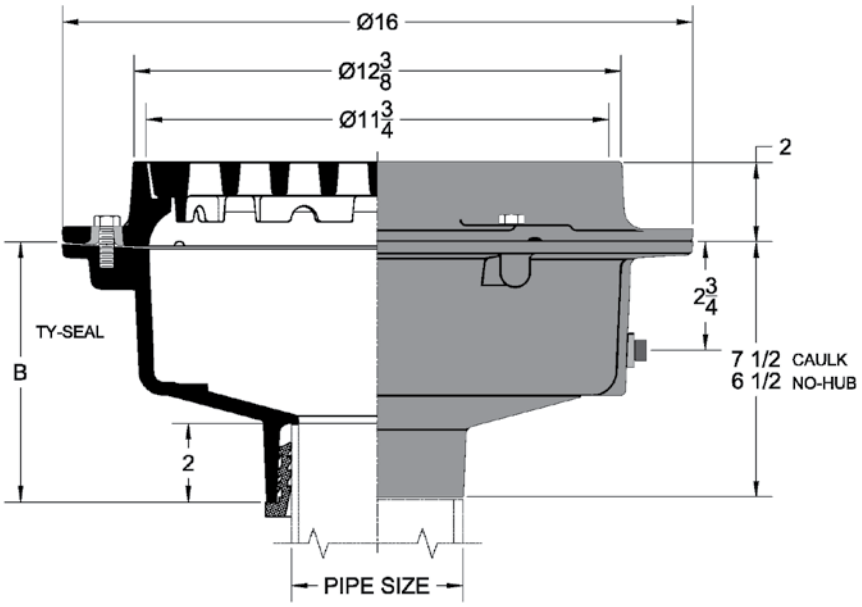
Regularly Furnished: Cast iron parking area drain with heavy duty support flange, seepage openings, 1/2" primer tap with plug, & special duty grate. –1 or –2 Tops furnished heel proof (except TD). Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,672.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		186.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		210.00
XS	Extra Shallow Body (3,4,6" No-Hub) *		N/C
7	Dome Grate	-1	666.00
		-2	570.00
		-12	189.00
8	Secondary Strainer		84.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		795.00
23	2" Grate Riser		192.00
27	Sediment Bucket (Aluminum)		281.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		1,242.00

** Dimensions vary from illustration*

1210 12" Diameter, Special Duty, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1210-12-4TY

Dimensions (In.)	
Pipe Size	**B**
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 2,727.00	1,738.00
8",10"	3,143.00	2,154.00
Wt. Lbs.	69.0	67.0
Grate Free Area (Sq. In.)	25.6	43.4

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug & special duty grate.

–1 or –2 Tops furnished heel proof (except TD).
Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,161.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		186.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		210.00
XS	Extra Shallow Body (3,4,6" No-Hub) *		N/C
7	Dome Grate	-1	666.00
		-2	570.00
		-12	189.00
8	Secondary Strainer		84.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		795.00
23	2" Grate Riser		192.00
27	Sediment Bucket (Aluminum)		349.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		881.00

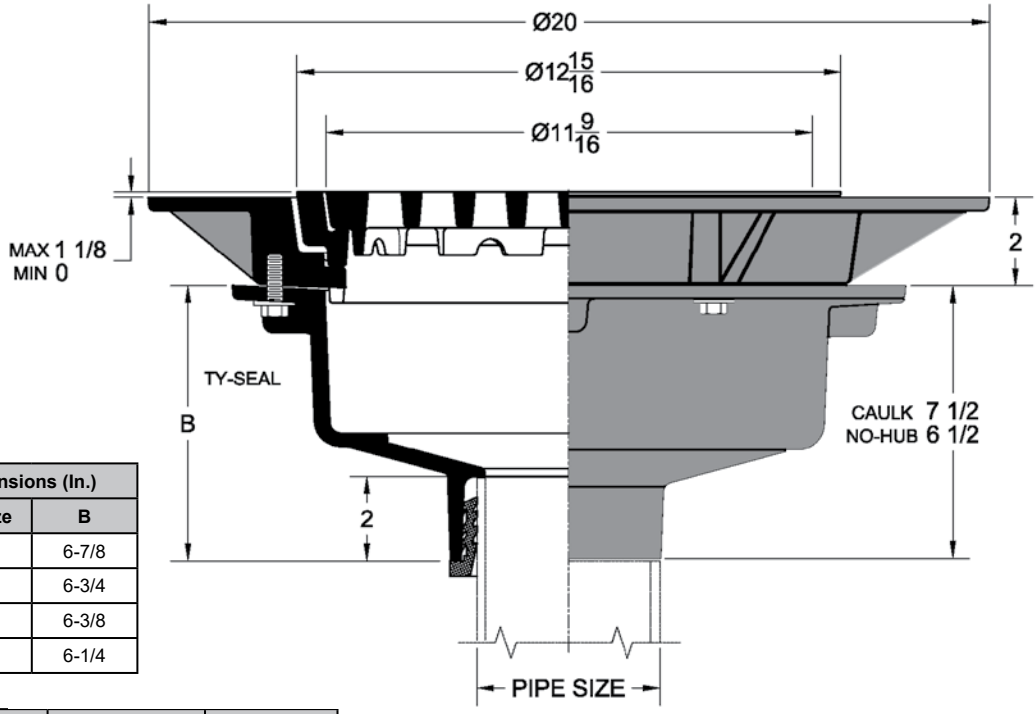
** Dimensions vary from illustration*

1210-E 12" Diameter, Special Duty & Area Drain w/ Elastomeric Flange



1210-E-12-3TY

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



Dimensions (In.)	
Pipe Size	B
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 3,906.00	$ 2,907.00
8",10"	4,005.00	3,005.00
Wt. Lbs.	65.0	63.0
Grate Free Area (Sq. In.)	25.6	43.4

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, elastomeric wide flange & special duty grate.

–1 or –2 Tops furnished heel proof (except TD).
Add 1/4" to Top Dimension.

Outlet Variations		
Type	Designation	Add
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating		$ 1,672.00
SO	90 Degree Outlet (3TY,4TY,6TY)		878.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		313.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		210.00
7	Dome Grate	-1	666.00
		-2	570.00
		-12	189.00
8	Secondary Strainer		84.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		795.00
23	2" Grate Riser		192.00
27	Sediment Bucket (Aluminum)		349.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		1,242.00

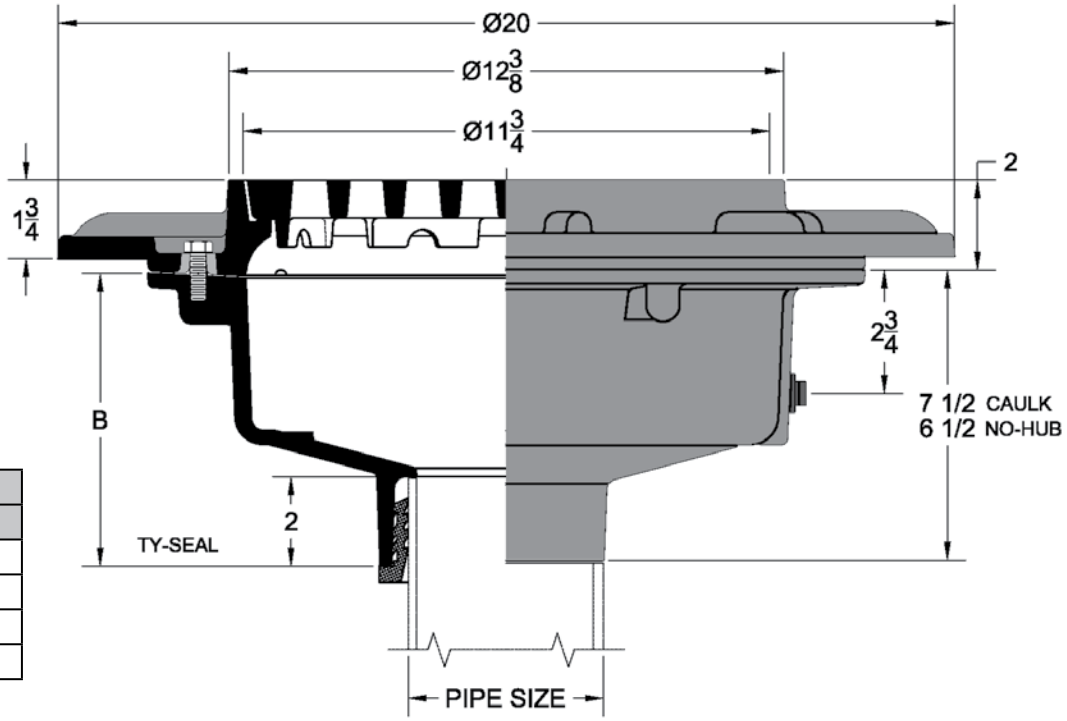
** Dimensions vary from illustration*

1217 12" Diameter, Special Duty Parking Area Drain (Replaces 1210-PG)



1217-12-3TY

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



Dimensions (In.)	
Pipe Size	B
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,217.00	3,439.00
8",10"	5,632.00	3,854.00
Wt. Lbs.	91.2	89.2
Grate Free Area (Sq. In.)	25.6	43.4

Suffix Options		
Suffix	Description	Add
SO	90 Degree Outlet (3TY,4TY,6TY)	$ 878.00
TD	Grate Supported Bucket - Free Area 33.6 Sq. In.	186.00
VP	Vandal Proof Top Assembly	200.00
8	Secondary Strainer	84.00
11	Heel Proof D.I. Grate (Free Area-25.6)	N/C
27	Sediment Bucket (Aluminum)	349.00
31	Backwater Valve (3" or 4")	522.00
39	Galvanized Cast Iron	1,491.00
52	Under Deck Clamp	331.00

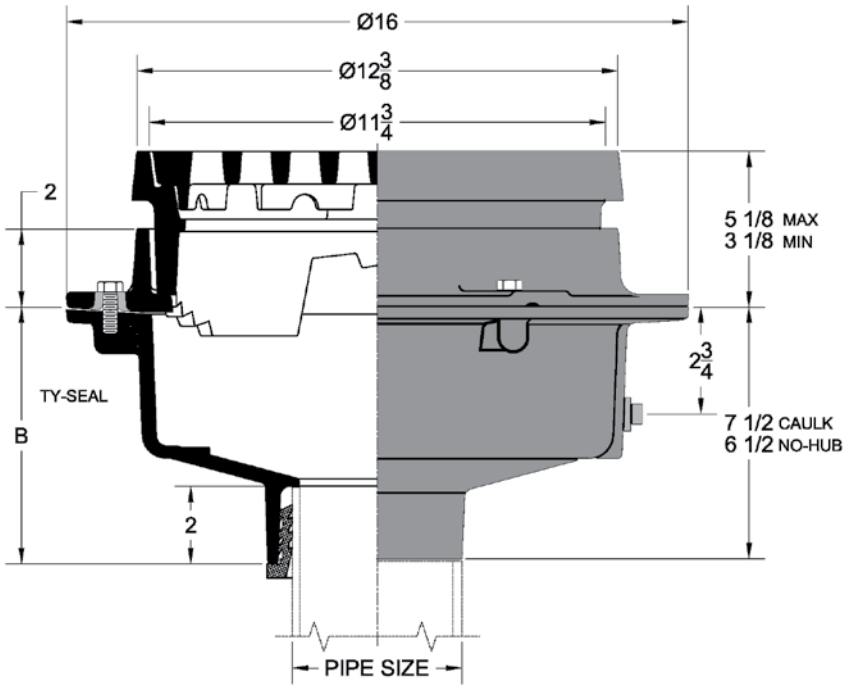
Regularly Furnished: Cast iron parking area drain with heavy duty support flange, seepage openings, 1/2" primer tap with plug, & special duty grate.

–1 or –2 Tops furnished heel proof (except TD).

** Dimensions vary from illustration*

Outlet Variations		
Type	Designation	Add
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

1240 12" Diameter, Special Duty, Adjustable Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1240-12-4TY

Dimensions (In.)	
Pipe Size	**B**
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 2,984.00	2,010.00
8"	3,399.00	2,426.00
Wt. Lbs	78.7	76.7
Grate Free Area (Sq. In.)	25.6	43.4

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & special duty grate.

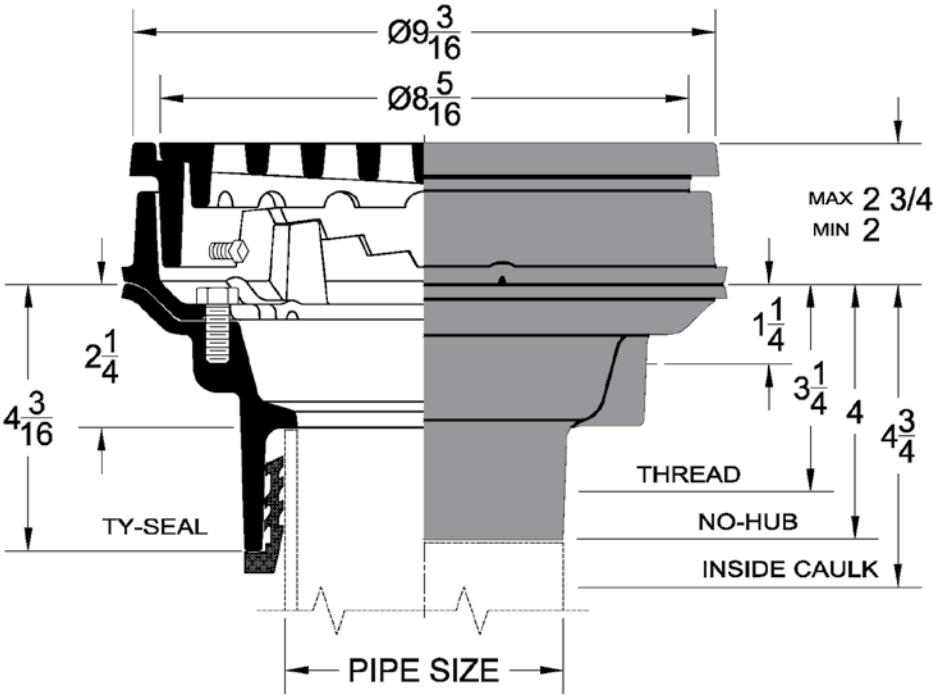
–1 or –2 Tops furnished heel proof (except TD).
Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY (CI),6TX(PVC)	N/C

Suffix Options		
Suffix	**Description**	**Add**
SO	90 Degree Outlet (3TY,4TY,6TY)	$ 878.00
TD	Grate Supported Bucket - Free Area 33.6 Sq. In.	315.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top Assembly	200.00
8	Secondary Strainer	84.00
11	Heel Proof D.I. Grate (Free Area-25.6)	N/C
18	Solid Cover	795.00
23	2" Grate Riser	192.00
27	Sediment Bucket (Aluminum)	349.00
31	Backwater Valve (3" or 4")	522.00
39	Galvanized Cast Iron	994.00

** Dimensions vary from illustration*

1300 9" Diameter, Extra Heavy Duty, Adjustable Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-2) Satin Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty



1300-12-3TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 1,316.00	$ 597.00
6"	2,055.00	1,337.00
Wt. Lbs.	27.6	26.1
Grate Free Area (Sq. In.)	18.3	18.3

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & extra heavy duty grate.

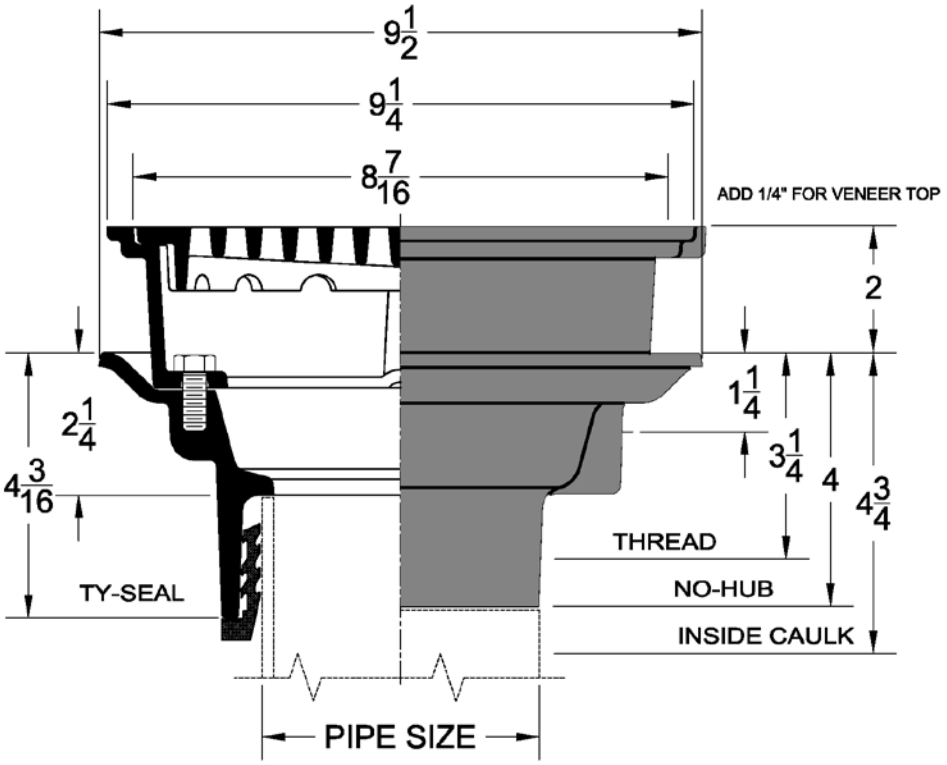
–1 or –2 Tops furnished heel proof. Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

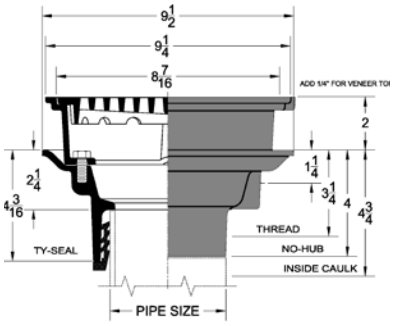
Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 735.00
SO	90 Degree Outlet (2IPS, 3IPS, 4IPS)		323.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv	315.00
27	Sediment Bucket (Aluminum)		192.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		581.00
81	Solid Gasketed Cover		793.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

1310 9" Diameter, Extra Heavy Duty, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-2) Satin Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty



1310-12-3TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 1,428.00	$ 698.00
6"	1,613.00	882.00
Wt. Lbs.	22.0	20.0
Grate Free Area (Sq. In.)	18.3	18.3

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & extra heavy duty heel proof grate.

–1 or –2 Tops Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 682.00
SO	90 Degree Outlet (2IPS,3IPS,4IPS)		323.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
18	Solid Cover		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv	315.00
27	Sediment Bucket (Aluminum)		192.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		536.00
81	Solid Gasketed Cover		793.00
123	Stainless Steel Mesh Bucket Liner		393.00

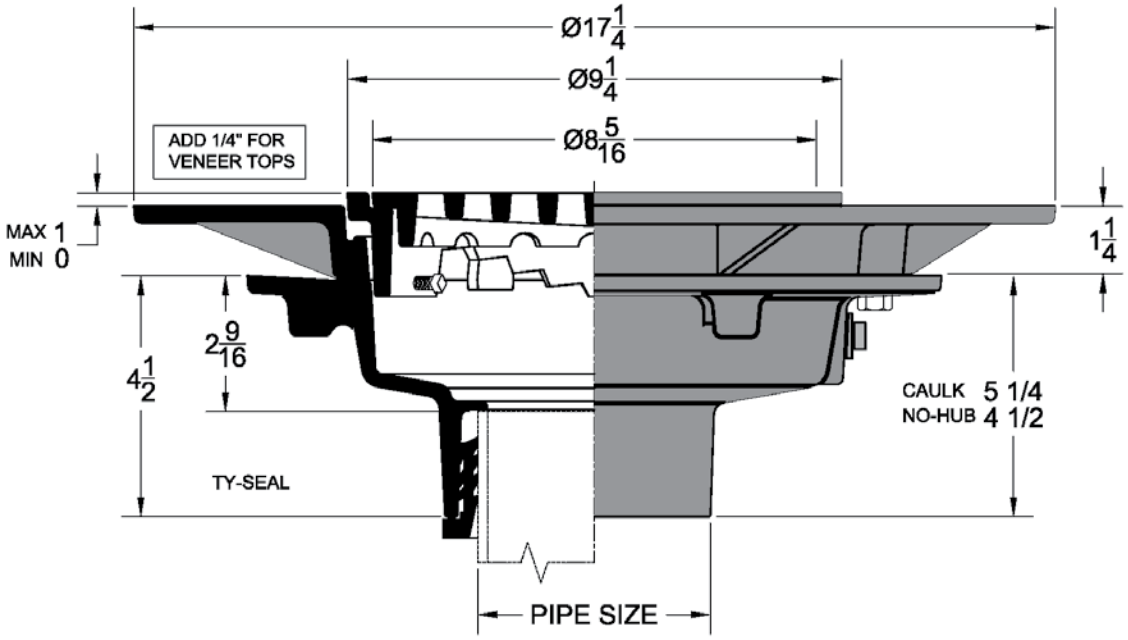
** Dimensions vary from illustration*

1310-E 9" Diameter w/ Elastomeric Flange



1310-E-11-3TY

ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-2) Satin Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty



Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 2,739.00	$ 2,016.00
Wt. Lbs.	27.0	25.0
Grate Free Area (Sq. In.)	18..3	18.3

Regularly Furnished: Cast iron wide flange deck drain with adjustable top, latex troweling flange, 1/2" primer tap with plug, & extra heavy duty grate.

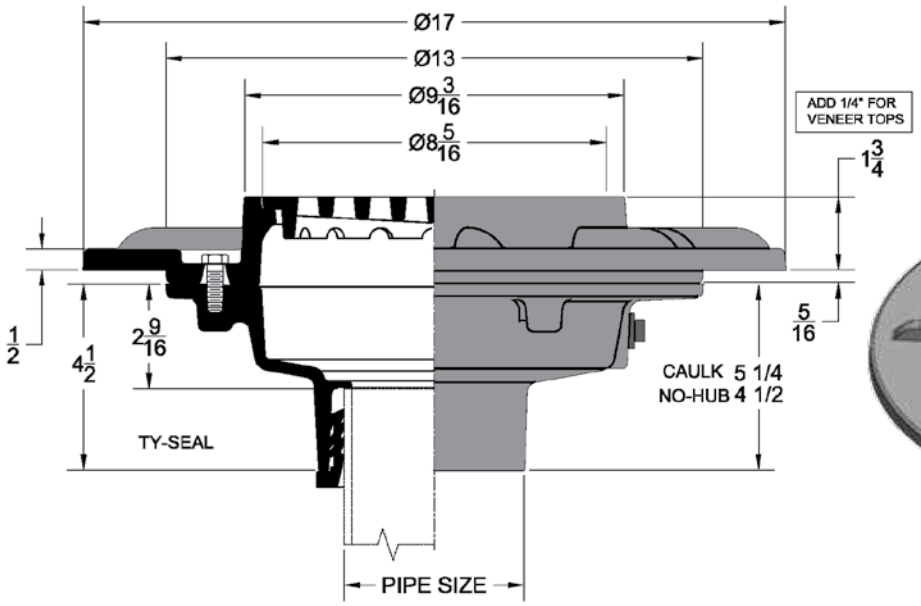
–1 or –2 Tops Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

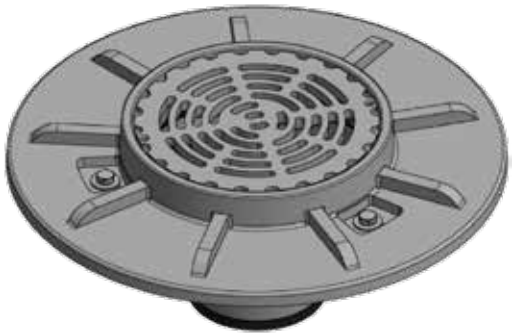
Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,042.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv	315.00
27	Sediment Bucket (Aluminum)		192.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		926.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

1317 9" Diameter, Extra Heavy Duty, Parking Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1317-12-3TY

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 2,534.00	$ 1,754.00
Wt. Lbs.	67.0	65.0
Grate Free Area (Sq. In.)	18.3	18.3

Regularly Furnished: Cast iron parking area drain with heavy duty support flange, seepage openings, 1/2" primer tap with plug, & extra heavy duty grate.

–1 or –2 Tops Add 1/4" to Top Dimension.

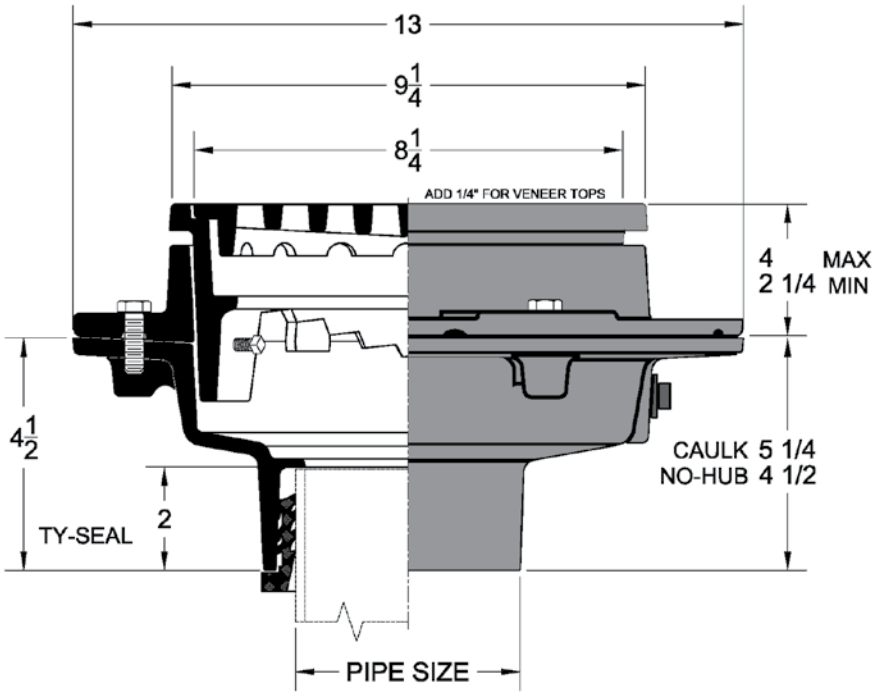
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,042.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv	315.00
27	Sediment Bucket (Aluminum)		265.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		766.00
81	Solid Gasket Cover		793.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

FLOOR & AREA DRAINS

1340 9" Diameter, Extra Heavy Duty, Adjustable Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-2) Satin Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty



1340-12-3TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 1,814.00	$ 1,129.00
Wt. Lbs.	67.0	65.0
Grate Free Area (Sq. In.)	18.3	18.3

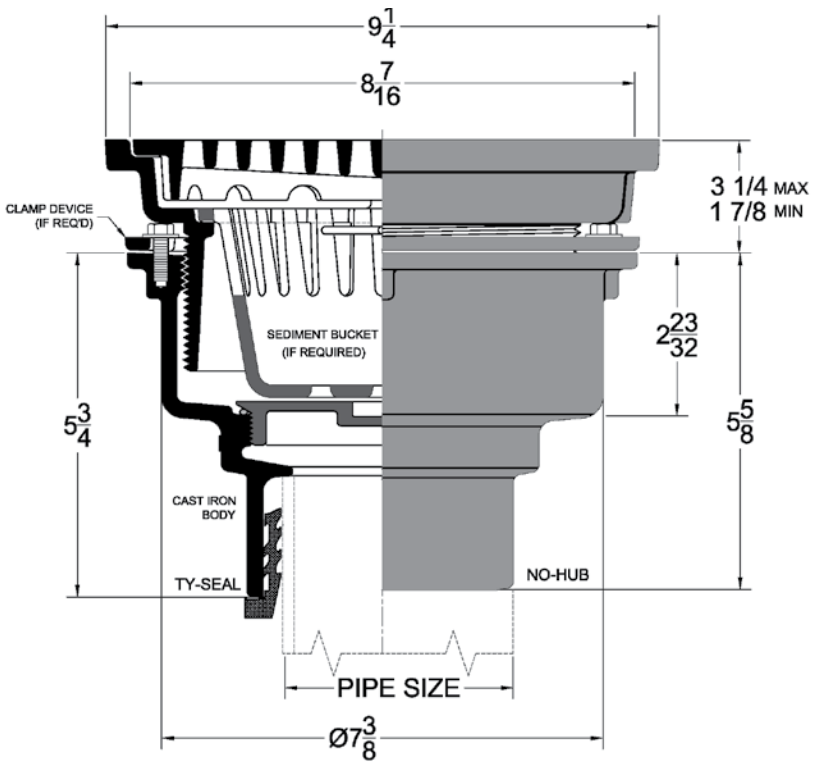
Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, adjustable collar, seepage openings, 1/2" primer tap with plug, & extra heavy duty grate.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 645.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
11	Heel Proof D.I. Grate (Free Area-25.6)		N/C
18	Solid Cover		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv	315.00
27	Sediment Bucket (Aluminum)		192.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		590.00
81	Solid, Gasketed Cover		793.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

1380 9" Diameter, Extra Heavy Duty, Adjustable Drain



ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-2) Satin Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty



1380-12-3TY

Note: Collars and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Wt. Lbs.
2",3",4"	$ 1,684.00	$ 1,074.00	38.7
6"	2,162.00	1,553.00	38.7
Grate Free Area (Sq. In.)	18.3	18.3	

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings & extra heavy duty grate.

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6"	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 712.00
TD	Grate Supported Bucket --Free Area 33.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
6	1/2" Trap Primer Connection		265.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
18	Solid Cover		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv	315.00
27	Sediment Bucket (Aluminum)		170.00
31	Backwater Valve (3",4")		522.00
33	Closure Ring		839.00
39	Galvanized Cast Iron		581.00
81	Solid, Gasketed Cover		793.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

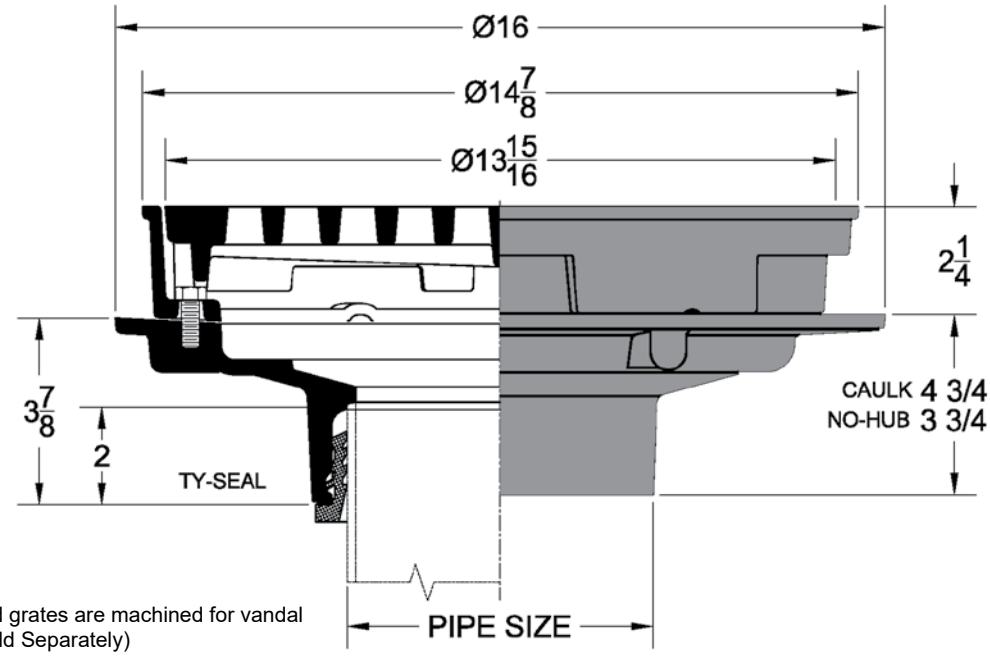
FLOOR & AREA DRAINS

1400 15" Diameter, Special Duty, Parking Area Drain (Replaces 1400-PG)



1400-12-6TY

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



Note: Collars and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,200.00	$ 3,410.00
8",10"	5,614.00	3,825.00
Wt. Lbs.	62.5	60.2
Grate Free Area (Sq.In.)	42.7	63.6

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & special duty grate.

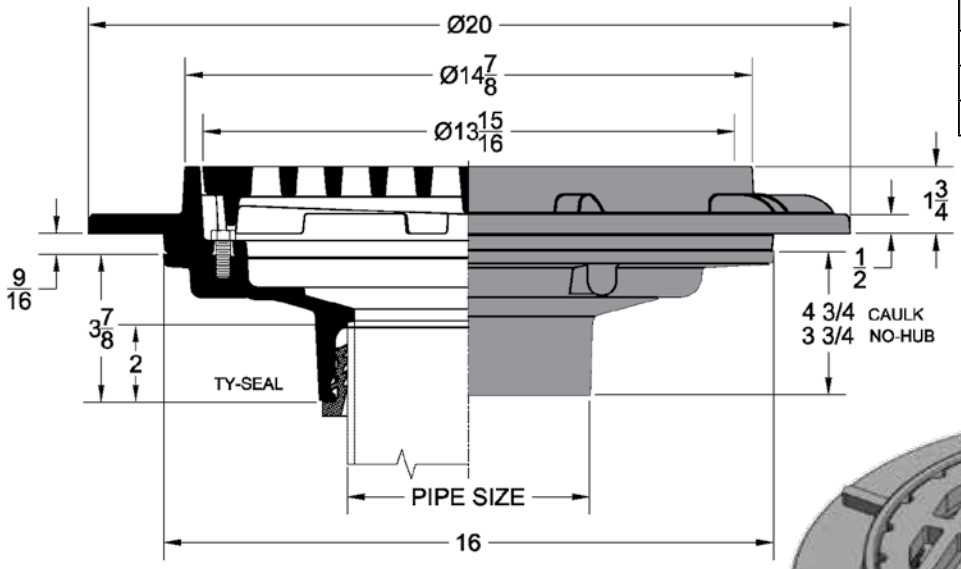
–1 or –2 Tops furnished heel proof. Add 1/4" to Top Dimension.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH,3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,260.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
8	Secondary Strainer		84.00
11	Heel Proof Grate (Free Area 54.4 Sq. In.)		N/C
23	3" Grate Riser	Painted	597.00
		39 Galv	776.00
27	Sediment Bucket		426.00
31	Backwater Valve		522.00
39	Galvanized Cast Iron		1,432.00

** Dimensions vary from illustration*

1407 15" Diameter, Special Duty, Shallow Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty

1417-12-4TY



Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,530.00	$ 4,519.00
8"	5,945.00	4,934.00
Wt. Lbs.	62.5	60.2
Grate Free Area (Sq.In.)	42.7	63.6

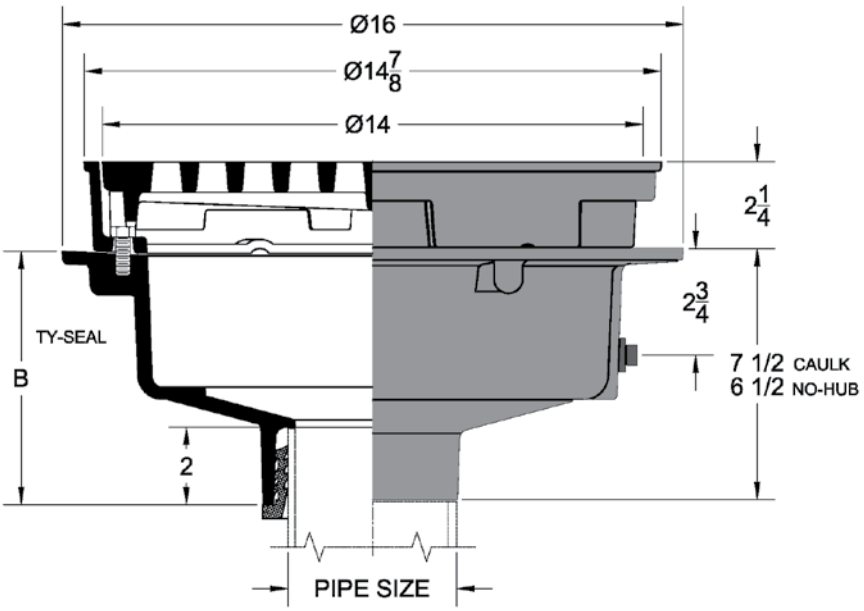
Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & special duty grate.

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,347.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
8	Secondary Strainer		84.00
11	Heel Proof Grate (Free Area 54.4 Sq. In.)		N/C
23	3" Grate Riser	Painted	597.00
		39 Galv	776.00
27	Sediment Bucket		426.00
31	Backwater Valve		522.00
39	Galv. Cast Iron		1,491.00
53	Under Deck Clamp		331.00

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH,3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

** Dimensions vary from illustration*

1410 15" Diameter, Special Duty, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1410-12-4TY

Dimensions (In.)	
Pipe Size	**B**
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,814.00	$ 3,922.00
8"	6,230.00	4,338.00
Wt. Lbs.	62.5	60.2
Grate Free Area (Sq.In.)	42.7	63.6

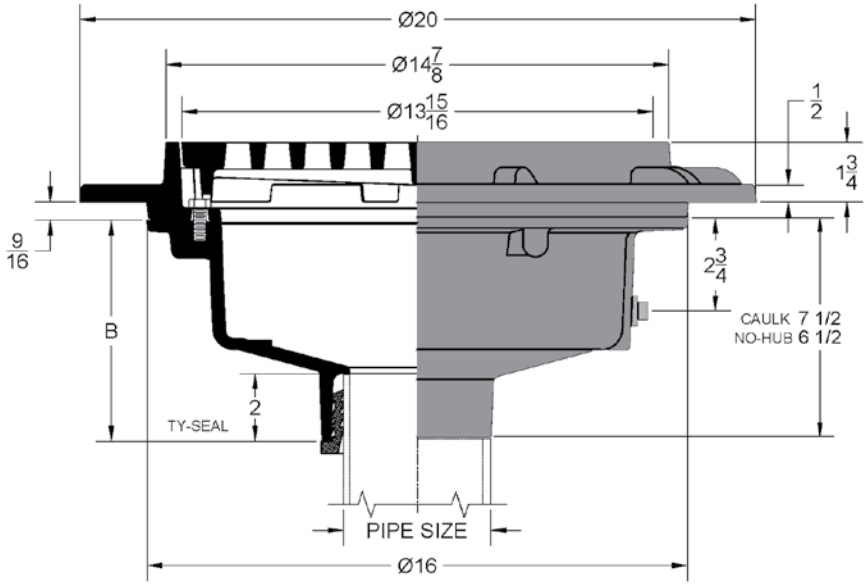
Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & special duty grate.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH,3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 1,260.00
SO	90 Degree Side Outlet (3TY,4TY,6TY)		878.00
TSD	Trap Seal Device (See Model 4405)		579.00
TD	Grate Set Sediment Bucket (Ductile Iron)		696.00
VP	Vandal Proof Top Assembly		200.00
8	Secondary Strainer		84.00
11	Heel Proof Grate (Free Area 54.4 Sq. In.)		N/C
23	3" Grate Riser	Painted	597.00
		39 Galv	776.00
27	Sediment Bucket		426.00
31	Backwater Valve		522.00
39	Galv. Cast Iron		1,806.00

** Dimensions vary from illustration*

1417 15" Diameter, Special Duty Parking Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1417-12-4TY

Dimensions (In.)	
Pipe Size	**B**
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,710.00	$ 4,699.00
8"	6,126.00	5,115.00
Wt. Lbs.	62.5	60.2
Grate Free Area (Sq.In.)	42.7	63.6

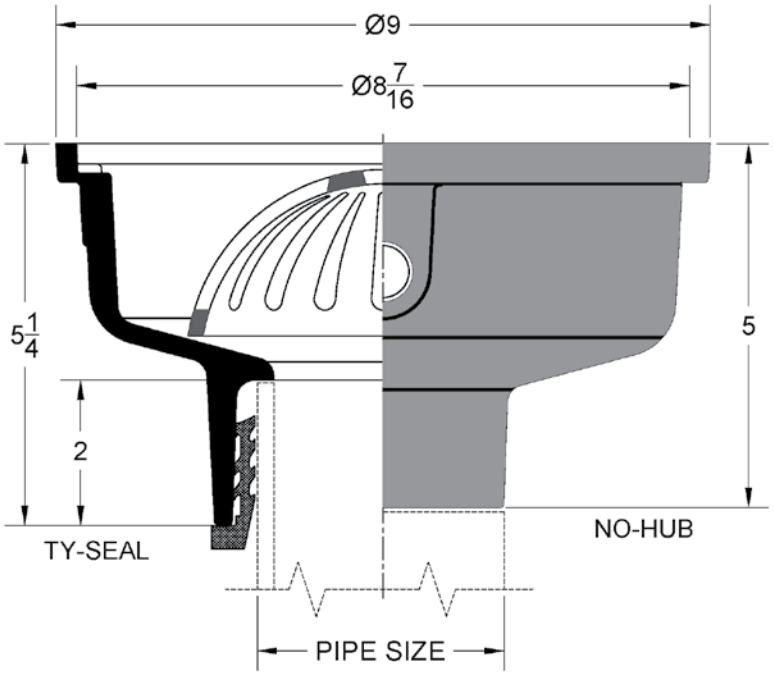
Regularly Furnished: Cast iron parking area drain with heavy duty support flange, seepage openings, 1/2" primer tap with plug, & special duty grate.

Suffix Options			
Suffix	**Description**		**Add**
SO	90 Degree Side Outlet (3TY,4TY,6TY)		$ 878.00
TD	Grate Set Sediment Bucket (Ductile Iron)		732.00
VP	Vandal Proof Top Assembly		200.00
8	Secondary Strainer		84.00
11	Heel Proof Grate (Free Area 54.4 Sq. In.)		N/C
23	3" Grater Riser	Painted	597.00
		39 Galv	776.00
27	Sediment Bucket		426.00
31	Backwater Valve		522.00
39	Galv. Cast Iron		1,491.00
53	Under Deck Clamp		315.00

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH,3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

** Dimensions vary from illustration*

1630 9" Diameter, Medium Sump Indirect Waste Drain





1630-4TY

Outlet Size	Painted	-ARC Acid Resistant Coating	-39 Galvanized	Wt. Lbs.
2",3",4""	$ 811.00	$ 1,182.00	$ 1,104.00	17.6

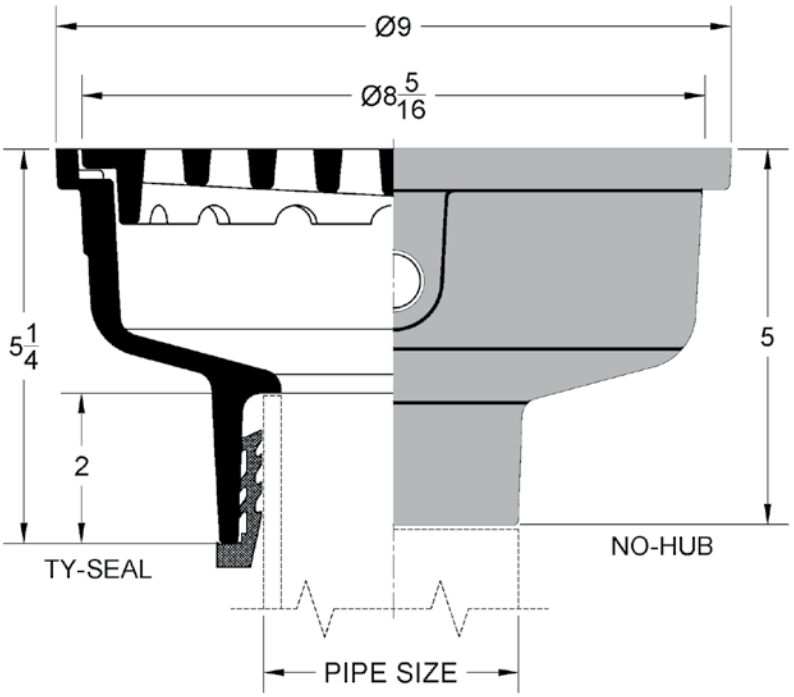
Regularly Furnished: Cast iron indirect waste drain with 1/2" primer tap with plug & plastic dome bottom strainer.

Suffix Options			
Suffix	**Description**		**Add**
TSD	Trap Seal Device (See Model 4405)		$ 579.00
23	3" Grate Riser	Painted	135.00
		39 Galv.	315.00
31	Backwater Valve (3" or 4")		522.00

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

** Dimensions vary from illustration*

1640 9" Diameter, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-2) Satin Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty



1640-12-4TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 1,245.00	$ 1,109.00	$ 613.00
Wt. Lbs.	40.7	40.7	38.7
Grate Free Area (Sq. In.)	18.3	18.3	18.3

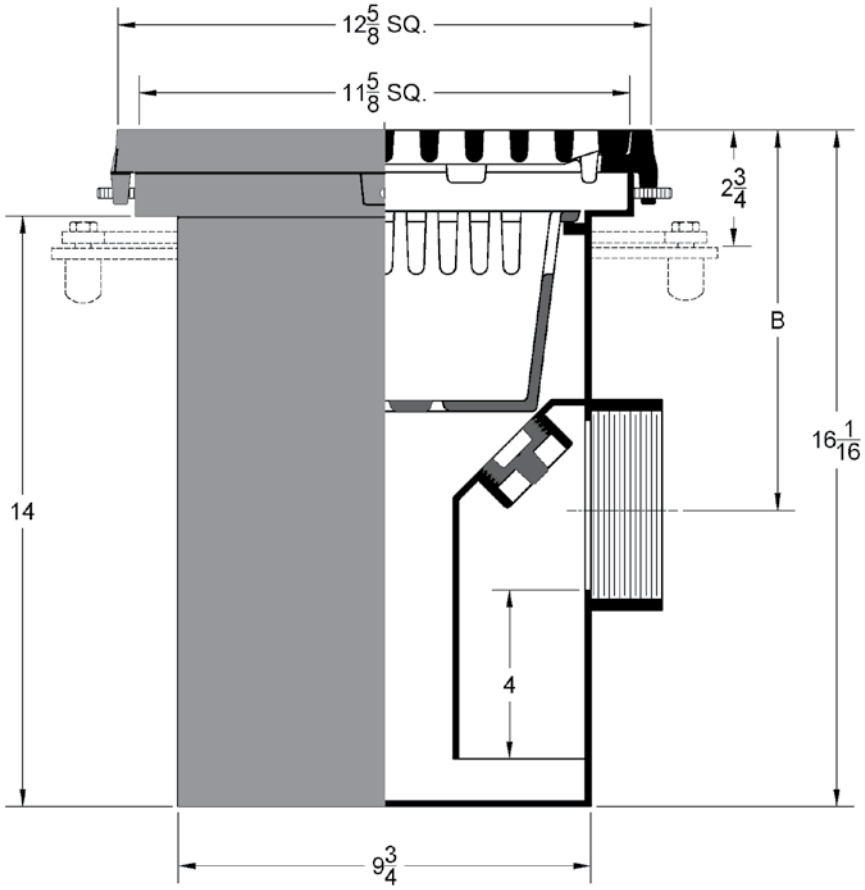
Regularly Furnished: Cast iron floor & area drain with 1/2" primer tap with plug & extra heavy duty grate.

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 477.00
TD	Grate Supported Bucket - Free Area 11.6 Sq. In.		124.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top Assembly		200.00
7	Dome Grate	-1	330.00
		-2	195.00
		-12	115.00
8	Secondary Strainer		62.00
11	Heel Proof D.I. Grate		N/C
18	Solid Cover w/ Center Pull Ring		659.00
23	1-1/2" Grate Riser	Painted	135.00
		39 Galv.	315.00
27	Sediment Bucket (Aluminum)		297.00
31	Backwater Valve (3" or 4")		522.00
39	Galvanized Cast Iron		334.00
81	Solid Gasketed Cover w/ Center Pull Ring		793.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

1740 Industrial Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1740-12-4IPS-14

Dimensions (In.)	
Pipe Size	**B**
2"	8
3"	8-1/2
4"	9
5"	9-1/2
6"	10

Outlet Size	-1 Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Grate Free Area (Sq. In.)	Wt. Lbs.
2"	$ 5,283.00	$ 3,707.00	52.6	89.0
3"	5,283.00	3,707.00	52.6	89.0
4"	5,283.00	3,707.00	52.6	89.0

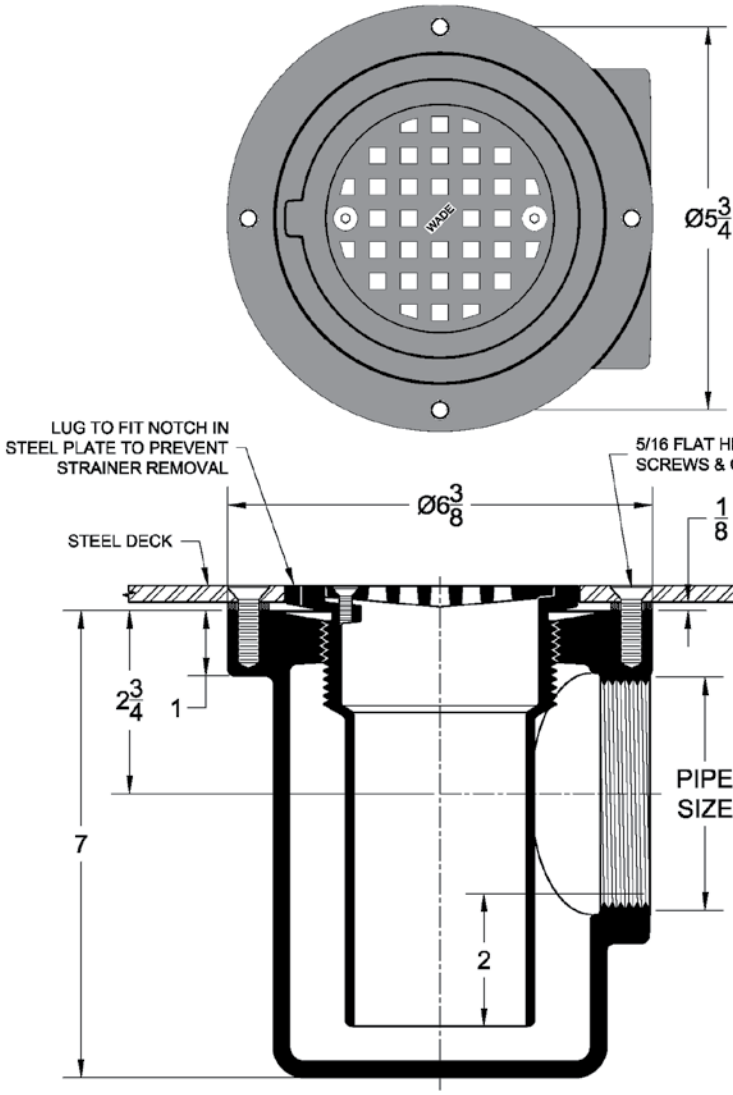
Regularly Furnished: Fabricated steel Industrial floor & area drain with internal trap, bronze cleanout plug, special duty grate, & suspended sediment bucket.

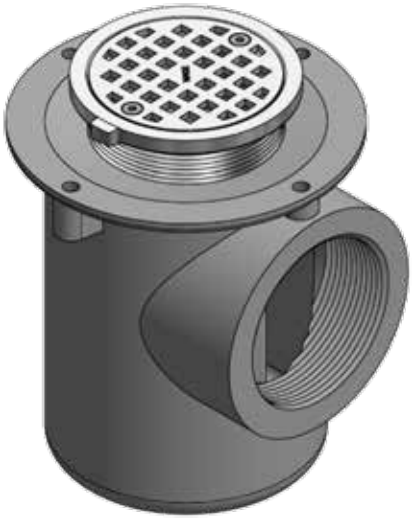
Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 2,159.00
VP	Vandal Proof Top	200.00
14	Hinged Grate	325.00
19	Hinged Locking Grate	436.00
24	Anchor Flange	N/C
26	Anchor Flange w/ Clamp Device	N/C
39	Galvanized Cast Iron	1,993.00

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS	N/C

1840 Prison Cell Floor Drain (Replaces 1840-PD)

ASME Load Rating	
(-1) Nickel Bronze	LIght Duty
(-2) Satin Bronze	Light Duty





1840-1-3IPS

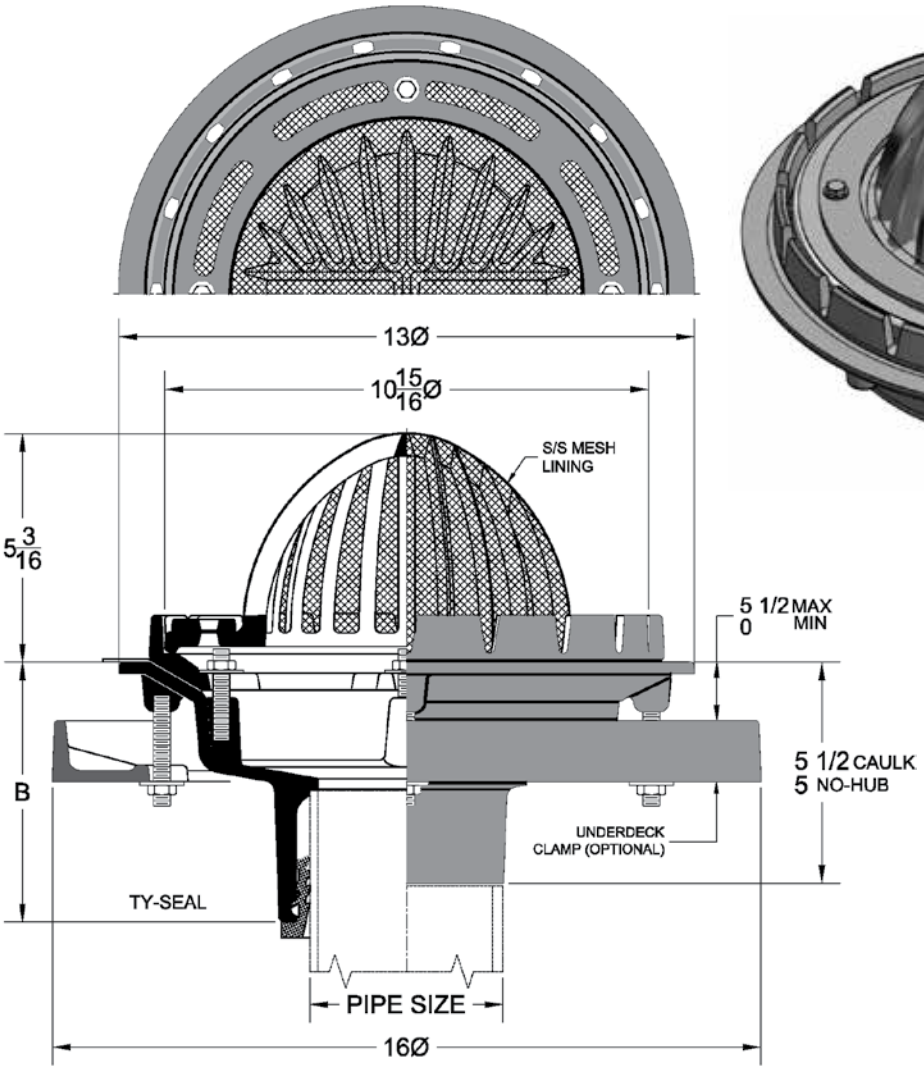
Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	Grate Free Area (Sq. In.)	Wt. Lbs.
2"	$ 1,455.00	3.5	12.0
3"	1,613.00	3.5	12.0

Regularly Furnished: Cast iron prison cell floor drain with integral trap, flange, vandal proof light duty grate & side outlet.

Suffix Options		
Suffix	**Description**	**Add**
39	Galvanized Cast Iron	$ 252.00
102	Chrome Plated Top Assembly	403.00

Outlet Variations		
Type	**Designation**	**Add**
Threaded	2IPS,3IPS	N/C

1862 Planting Area Drain (Replaces 3220-PA)





1862-42-4NH

Dimensions (In.)		
Pipe Size	Ty-Seal Outlet	
	B	C
2"	5-1/2	2-1/2
3"	5-3/4	2-3/4
4"	5-3/4	3

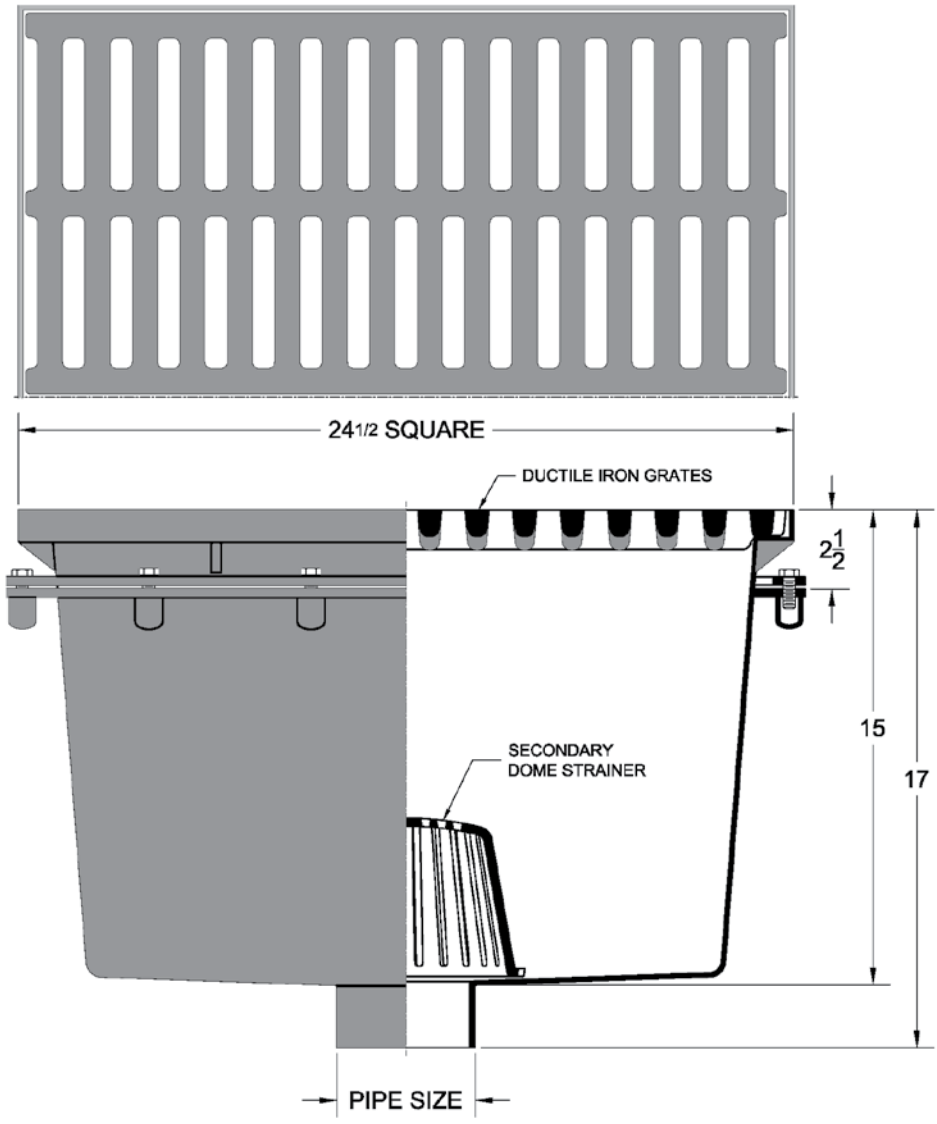
Regularly Furnished: Cast iron planting area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, adjustable, perforated standpipe, & secured dome.

Outlet Size	-42 Cast Iron Body with Cast Iron Dome	Dome Free Area (Sq.In.)	Wt. Lbs.
2",3",4"	$ 1,487.00	37.6	10.3

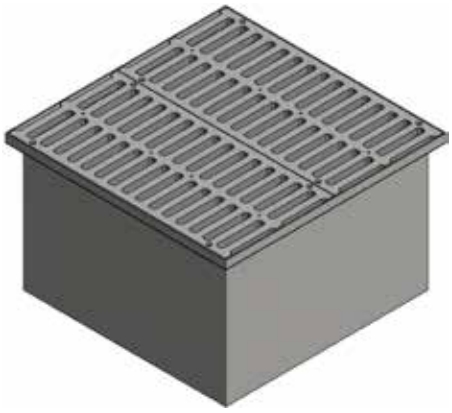
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options		
Suffix	**Description**	**Add**
39	Galvanized Cast Iron	$ 537.00
52	Sump Receiver *	349.00
53	Under Deck Clamp	205.00
189	Sump Receiver w/ Securing Package	464.00

1890 Heavy Duty Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1890-12-4NH

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Cast Iron Dome & Ductile Iron Top	Grate Free Area (Sq.In.)	Wt. Lbs.
3",4",6"	$ 22,709.00	$ 18,242.00	18.3	74.0

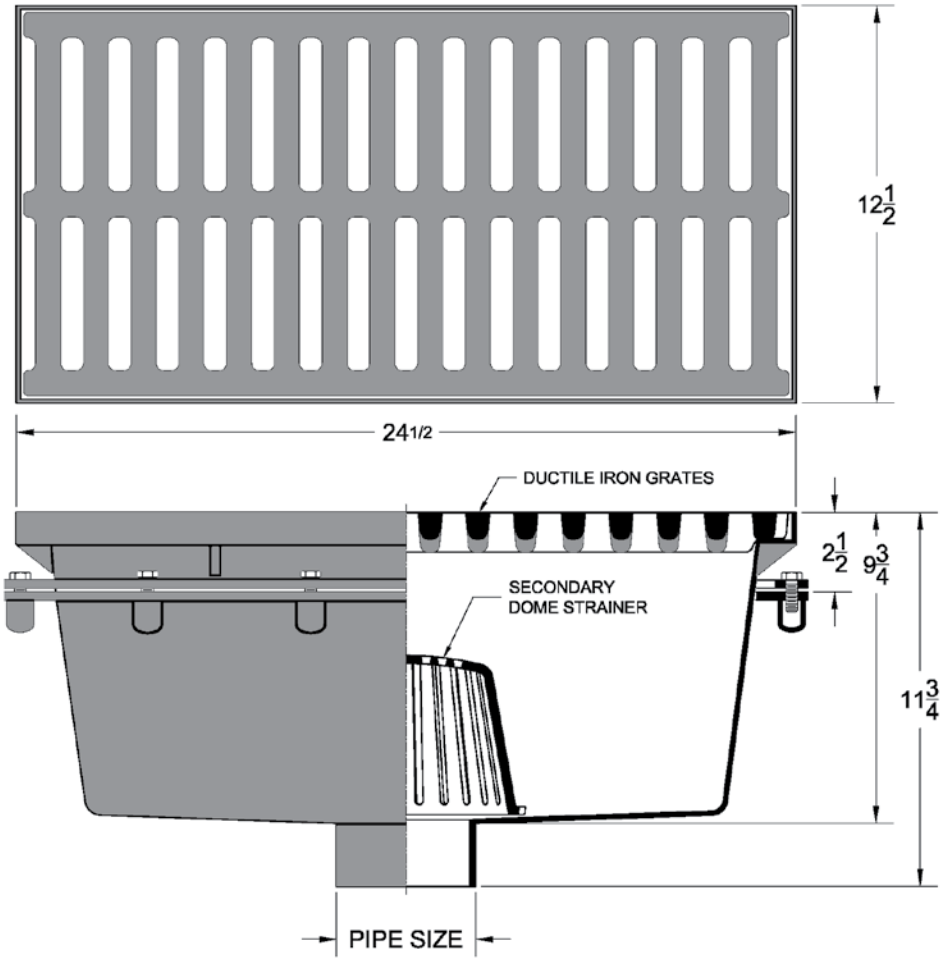
Regularly Furnished: Deep sump, fabricated steel body with internal cast iron dome, special duty loose set slotted grates and bottom outlet.

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	3NH,4NH,6NH	N/C

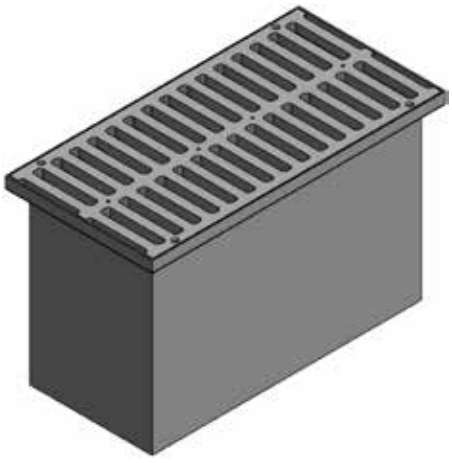
Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 1,782.00
SO	90 Degree Side Outlet *	824.00
VP	Vandal Proof Top	327.00
24	Anchor Flange *	1,095.00
26	Anchor Flange w/Clamping Collar	1,500.00
27	Sediment Bucket in Leiu of Dome Strainer	1,588.00
31	Backwater Valve (2",3",4")	522.00
39	Galvanized Cast Iron	4,694.00

** Dimensions vary from illustration*

1891 Heavy Duty Area Drain (Replaces 1890-B)



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-12) Ductile Iron	Special Duty



1891-12-4NH

Regularly Furnished: Deep sump, fabricated steel body with internal cast iron dome, & special duty, loose set, slotted grate.

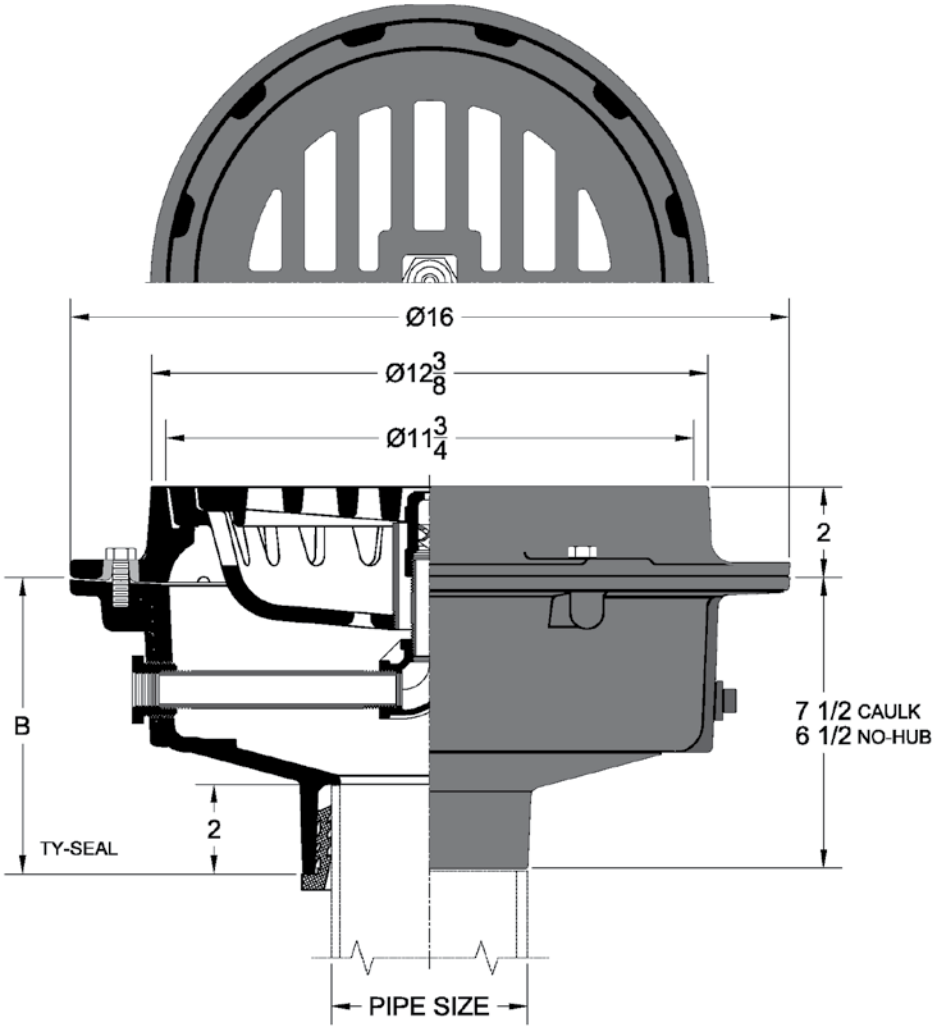
Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Cast Iron Dome & Ductile Iron Top	Grate Free Area (Sq.In.)	Wt. Lbs.
3",4",6"	$ 10,607.00	$ 9,069.00	110.0	96.0

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	3NH,4NH,6NH	N/C

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 5,176.00
SO	90 Degree Side Outlet *	824.00
VP	Vandal Proof Top	327.00
24	Anchor Flange *	696.00
26	Anchor Flange w/Clamping Collar *	1,328.00
27	Sediment Bucket in Leiu of Dome Strainer	701.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	4,494.00

1980 Can Wash Drain

ASME Load Rating	
(-1) Nickel Bronze	Extra Heavy Duty
(-12) Ductile Iron	Extra Heavy Duty





1980-12-3TY

Dimensions (In.)	
Pipe Size	B
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Grate Free Area (Sq.In.)	Wt. Lbs.
2",3",4",6"	$ 5,830.00	$ 5,154.00	32.2	73.2

Regularly Furnished: Cast iron can wash drain with flange, seepage openings, internal spray nozzle & water connection, grate supported bucket, & extra heavy duty grate.

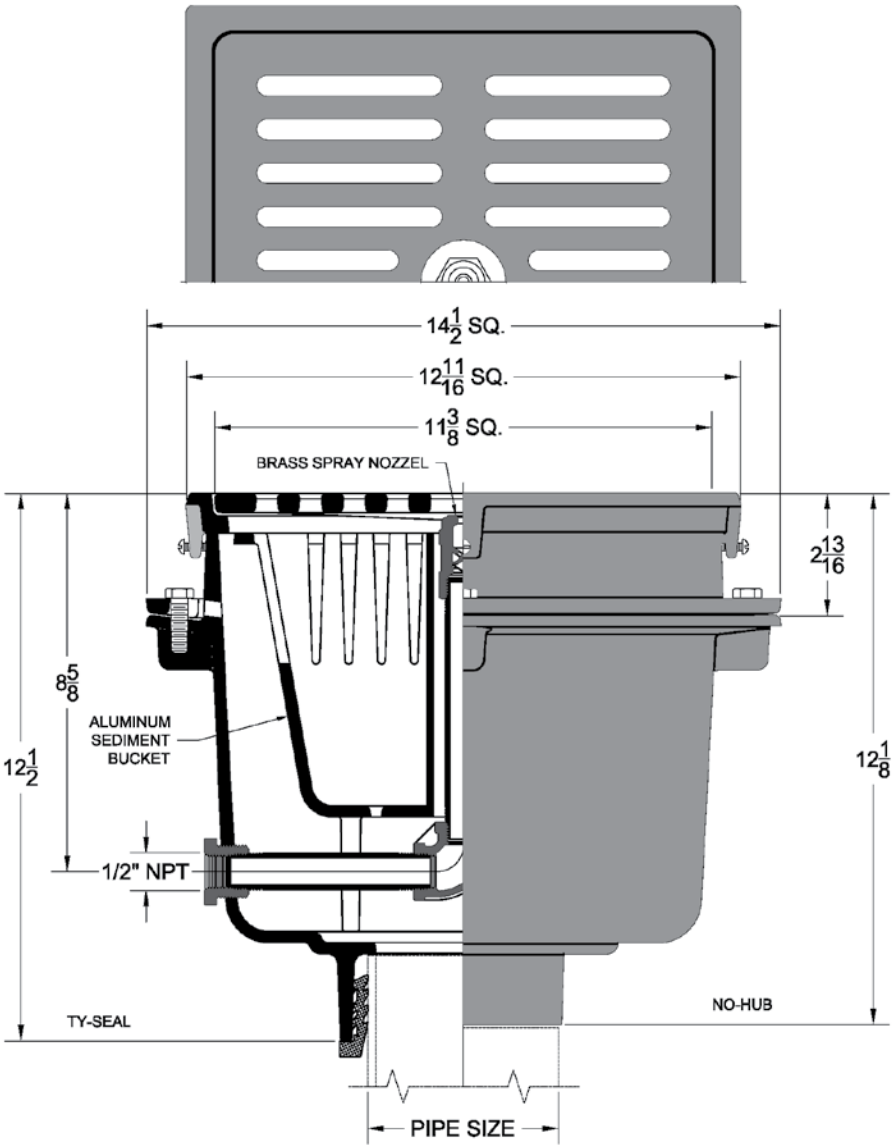
Outlet Variations		
Type	Designation	Add
No-Hub	3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating	$ 1,155.00
WCB	Water Control Box *	7,284.00
VP	Vandal Proof Top	200.00
39	Galvanized Cast Iron	876.00

** Dimensions vary from illustration*

1990 Can Wash Drain / Floor Sink

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-64) A.R.C. Iron	Medium Duty





1990-12-3TY

Regularly Furnished: Cast iron can wash drain with flange, seepage openings, ARC (acid resistant) interior, internal spray nozzle water connection, medium duty slotted grate & aluminum sediment bucket.

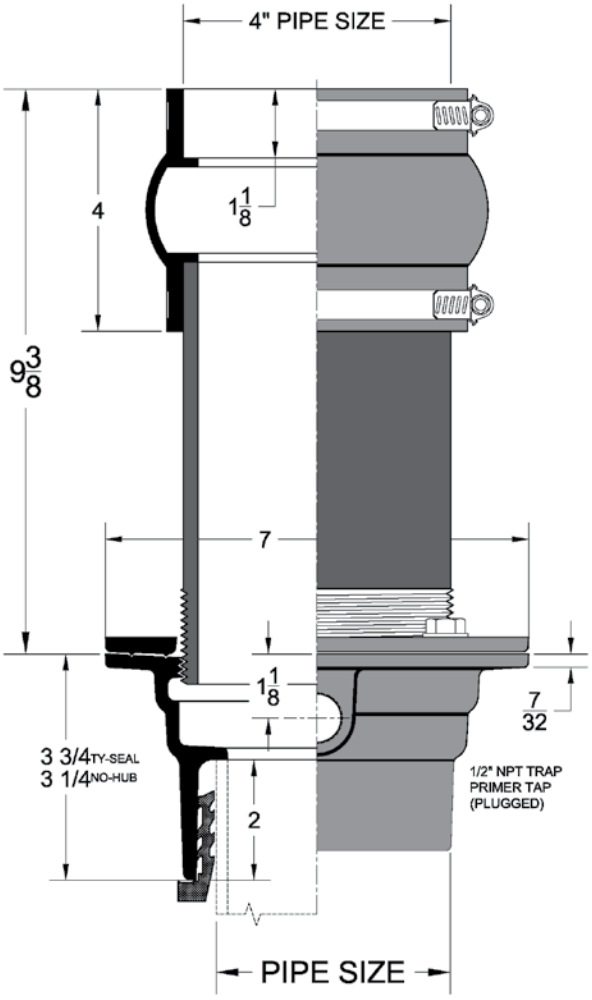
Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 5,772.00	$ 4,751.00
Grate Free Area (Sq.In.)	55.4	41.7
Wt. Lbs.	91.0	91.0

Suffix Options		
Suffix	**Description**	**Add**
WCB	Water Control Box *	$ 7,284.00
VP	Vandal Proof Top	200.00
26	Clamping Collar	267.00
125	Stainless Steel Screen Over Bucket Ports	546.00

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

** Dimensions vary from illustration*

2030 Isolation Deck Drain (Body Only,Floor Level Drain Furnished Separately)





2030-3TY

Top Material	Regularly Firnished Cast Iron Body with PVC Standpipe	w/1000-R5 Cast Iron Body w/ PVC Standpipe & Adjustable Drain on Top	w/1000-R6 Cast Iron Body w/ PVC Standpipe & Adjustable Drain on Top	w/1040 Cast Iron Body w/ PVC Standpipe & Adjustable Drain on Top	w/8000 Cast Iron Body w/ PVC Standpipe & Adjustable Cleanout on Top
-12 Cast Iron	$ 1,036.00	--		$ 2,011.00	$ 1,983.00
-1 Nickel Bronze	--	$ 1,611.00	$ 1,756.00	2,753.00	2,240.00
Wt. Lbs.	6.8	12.6	12.9	25.8	17.6

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

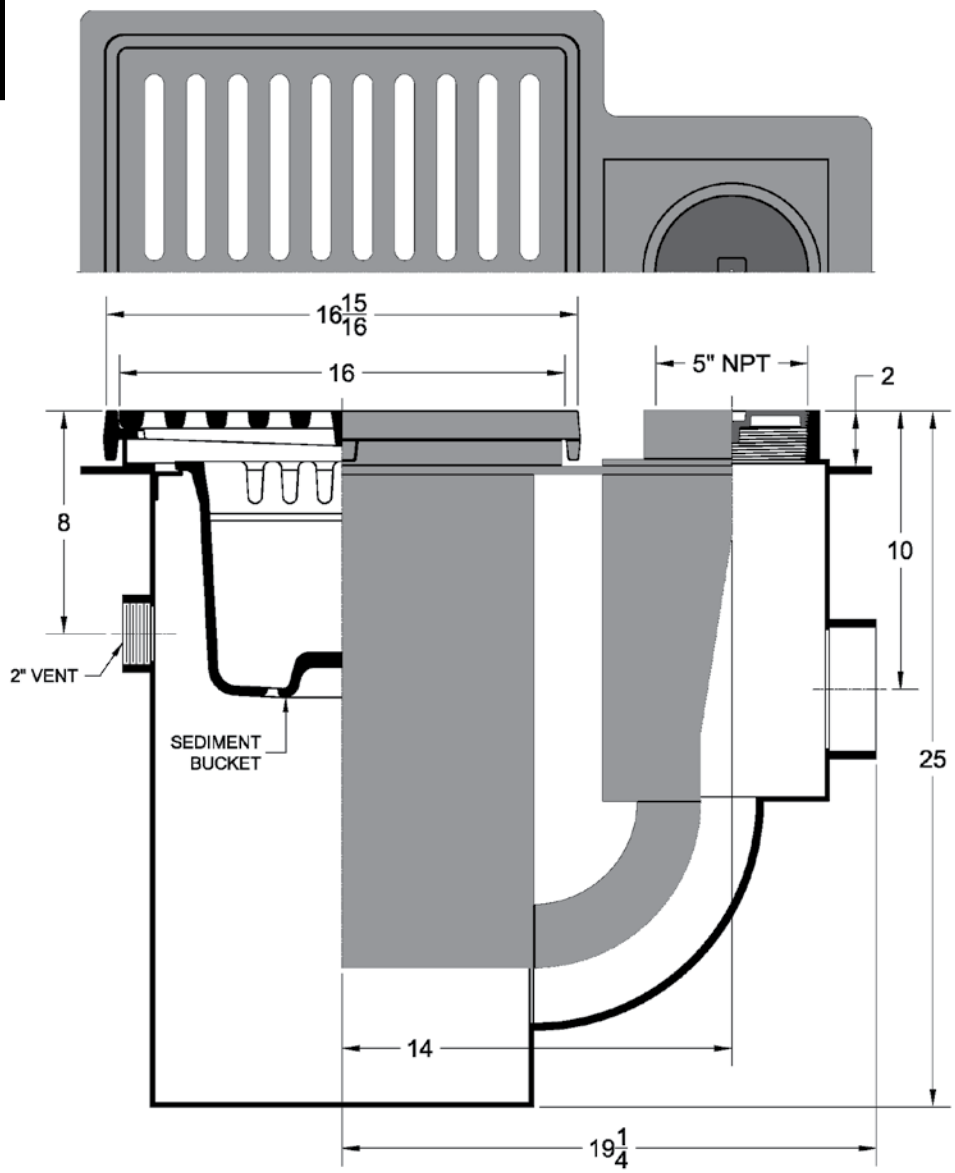
Suffix Options		
Suffix	**Description**	**Add**
VP	Vandal Proof Top	$ 135.00
39	Galvanized w/o Drain or Cleanout	268.00
	Galvanized w/ 1100-A6 Drain	537.00
	Galvanized w/ 1640 Drain	537.00
	Galvanized w/ 8000 Cleanout	573.00
52	Sump Receiver *	349.00
53	Under Deck Clamp *	194.00
56	Longer Standpipe (Per Inch) *	135.00

Regularly Furnished: Cast iron floor / deck drain body with flange, integral clamping collar, & 4" schedule 40 PVC stand pipe, less floor level drain assembly. Order 4" upper drain or cleanout separately.

For additional options on upper drain or cleanout, refer to top drain or cleanout catalog pages.
ł (-32) Pricing includes lower drain and standpipe only. For other drains not listed, add desired drain or cleanout pricing.

** Dimensions vary from illustration*

2050 Industrial Floor & Area Drain with Integral Trap & Cleanout



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Heavy Duty



2050-12-3NH

NOTE: Frames and grates are machined for vandal proof screws (Sold Separately)

Regularly Furnished: Fabricated steel industrial floor drain with deep sump, integral trap & floor level cleanout, suspended aluminum sediment bucket, 2" vent connection, & heavy duty grate.

Outlet Size	-1 Fabricated Steel Body with Satin Finish Nickel Bronze Top	-2 Fabricated Steel Body w/ Satin Finish Bronze Top	-12 Fabricated Steel Body with Ductile Iron Top
3",4",6"	$ 20,835.00	$ 20,712.00	$ 18,232.00
Grate Free Area (Sq.In.)	55.8	55.8	89.1
Wt. Lbs.	110.0	110.0	121.0

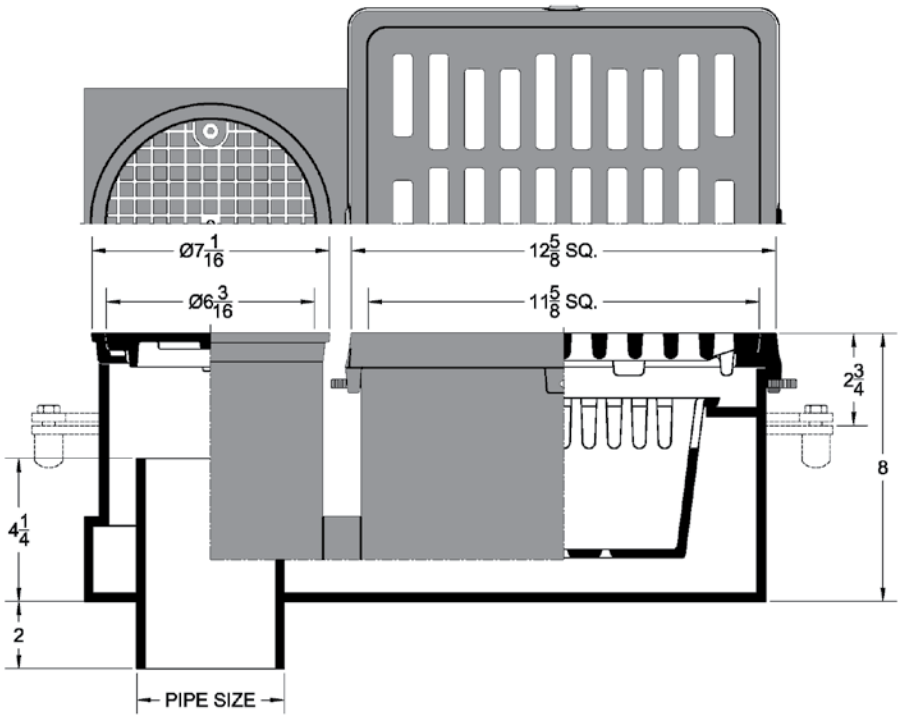
Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 7,211.00
GSC	Integral Gas Seal Cone *	1,594.00
VP	Vandal Proof Top	725.00
26	Anchor Flange w/Clamping Collar *	1,581.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	5,393.00
68	Perforated Sediment Bucket	1,288.00

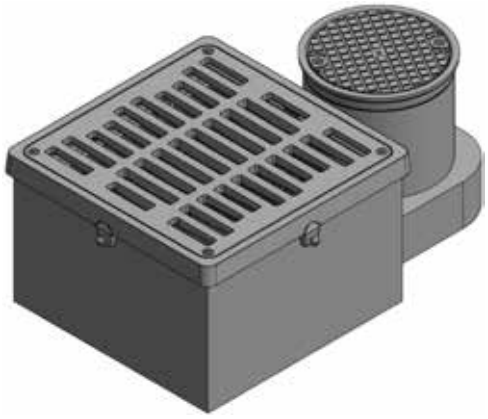
Outlet Variations		
Type	**Designation**	**Add**
No-Hub	3NH,4NH,6NH	N/C

** Dimensions vary from illustration*

2070 Industrial Floor & Area Drain with Integral Trap & Cleanout

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-12) Ductile Iron	Heavy Duty





2070-12-3NH

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Fabricated Steel Body with Satin Finish Nickel Bronze Top	-12 Fabricated Steel Body with Ductile Iron Top	Grate Free Area (Sq.In.)	Wt. Lbs.
2", 3",4"	$ 6,090.00	$ 4,265.00	52.6	110.0

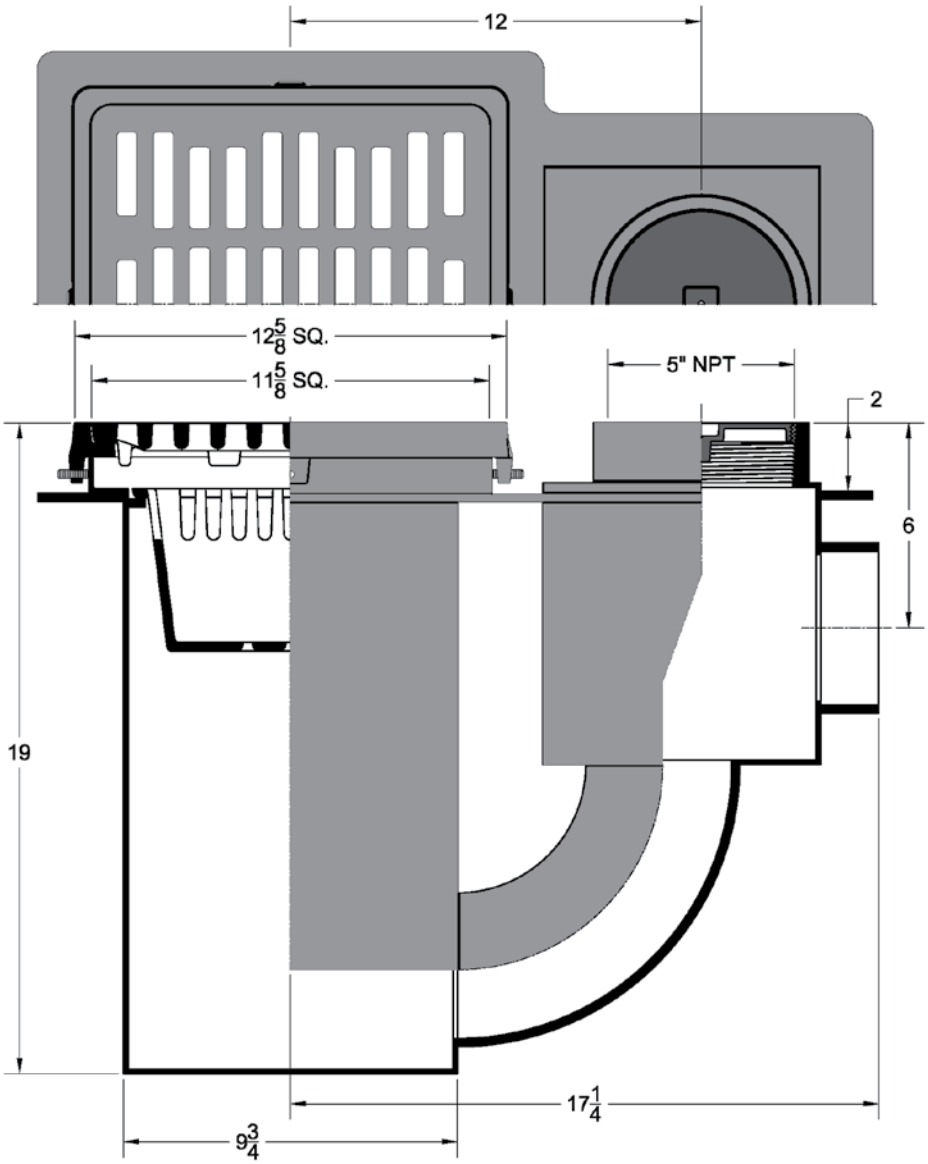
Regularly Furnished: Fabricated steel industrial floor drain with integral trap & floor level cleanout, suspended aluminum sediment bucket, & special duty grate.

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C

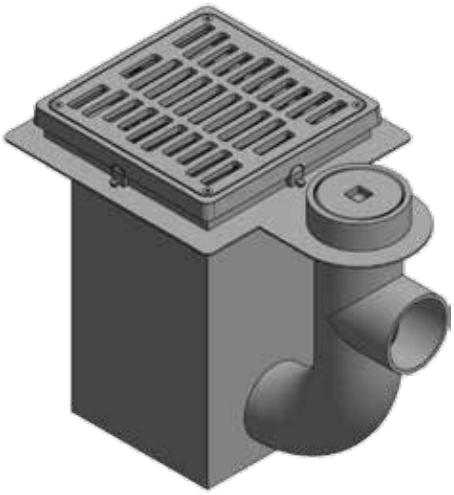
Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 2,076.00
VP	Vandal Proof Top	200.00
24	Anchor Flange *	577.00
26	Anchor Flange w/ Clamping Collar *	538.00
39	Galvanized	2,315.00

** Dimensions vary from illustration*

2080 Industrial Floor & Area Drain with Integral Trap & Cleanout



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Heavy Duty



2080-12-4NH

Outlet Size	-1 Fabricated Steel Body with Satin Finish Nickel Bronze Top	-12 Fabricated Steel Body with Ductile Iron Top
3"	$ 8,667.00	$ 8,284.00
4"	9,347.00	8,957.00
Grate Free Area (Sq.In.)	35.5	52.6
Wt. Lbs.	90.0	110.0

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 1,984.00
VP	Vandal Proof Top	213.00
26	Anchor Flange w/Clamping Collar	154.00
39	Galvanized Cast Iron	2,601.00

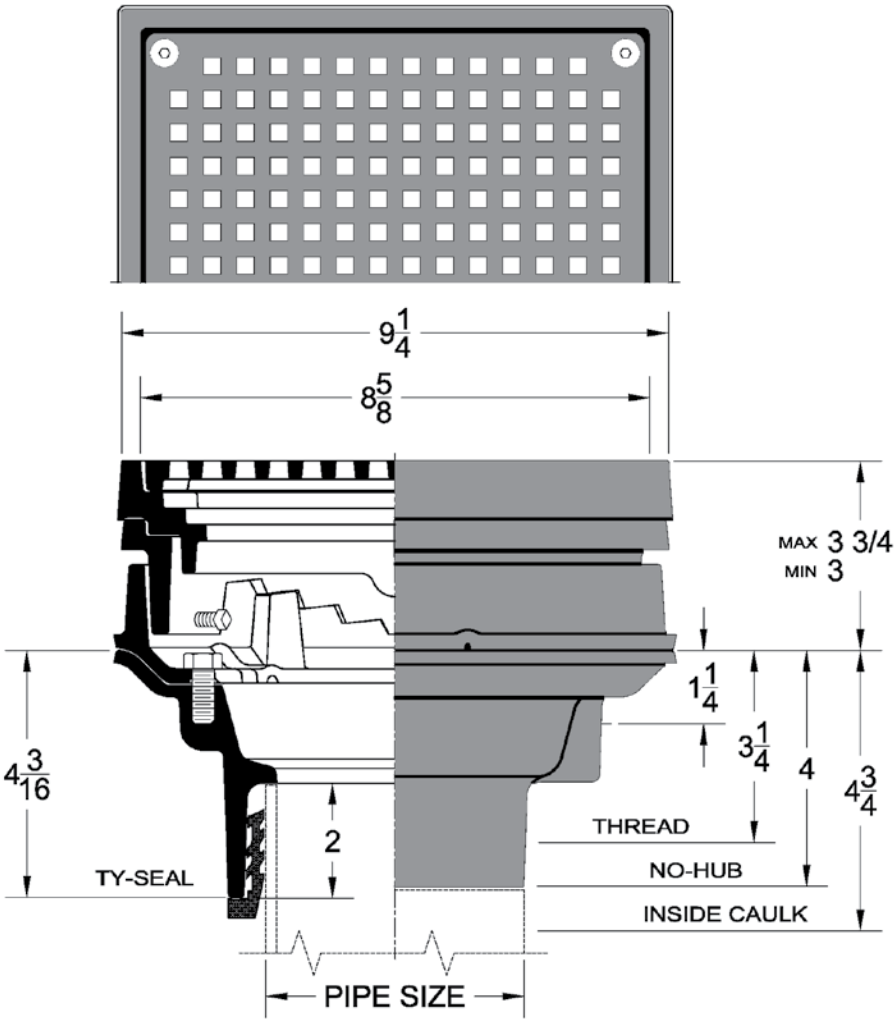
Outlet Variations		
Type	**Designation**	**Add**
No-Hub	3NH,4NH	N/C

Regularly Furnished: Fabricated steel industrial floor drain with deep sump, integral trap & floor level cleanout, suspended aluminum sediment bucket, & special duty grate.

** Dimensions vary from illustration*

2100 9" Square, Heavy Duty, Adjustable Floor & Area Drain

ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty





2100-12-3TY

Outlet Size	-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4"	$ 2,297.00	$ 2,085.00	$ 1,464.00
6"	2,550.00	2,336.00	1,717.00
Grate Free Area (Sq.In.)	18.9	18.9	18.9
Wt. Lbs.	27.9	27.9	25.9

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

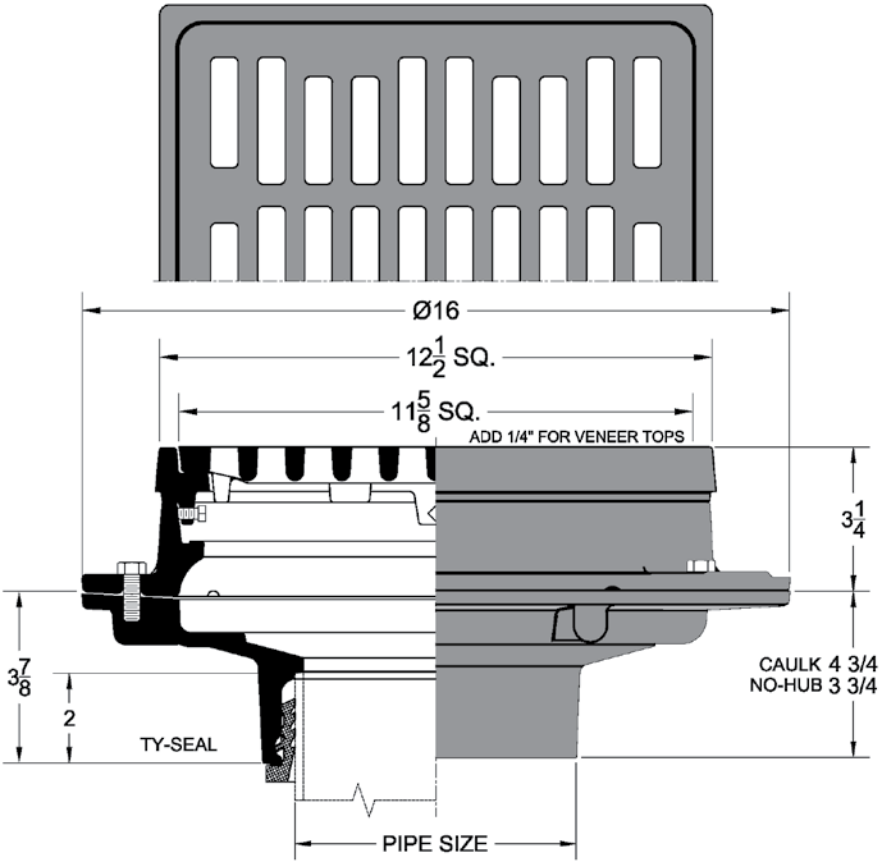
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH, 3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 735.00
SO	90 Degree Side Outlet (2IPS,3IPS,4IPS) *		323.00
TSD	Trap Seal Device (See Model 4405)		579.00
VP	Vandal Proof Top		200.00
WS	Wide Slot Grate (25.6 Sq.In. Open Area)		N/C
8	Secondary Strainer *		62.00
14	Hinged Grate		186.00
23	1-1/2" Grate Riser	Painted	135.00
		-39	315.00
27	Sediment Bucket (Aluminum)		192.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		582.00
123	Stainless Steel Mesh Bucket Liner		393.00

** Dimensions vary from illustration*

2300 12" Square, Heavy Duty, Shallow Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty



2300-12-3TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 2,830.00	$ 2,646.00	$ 1,487.00
8",10"	3,304.00	3,121.00	1,880.00
Grate Free Area (Sq.In.)	35.5	35.5	52.6
Wt. Lbs.	60.6	60.6	58.6

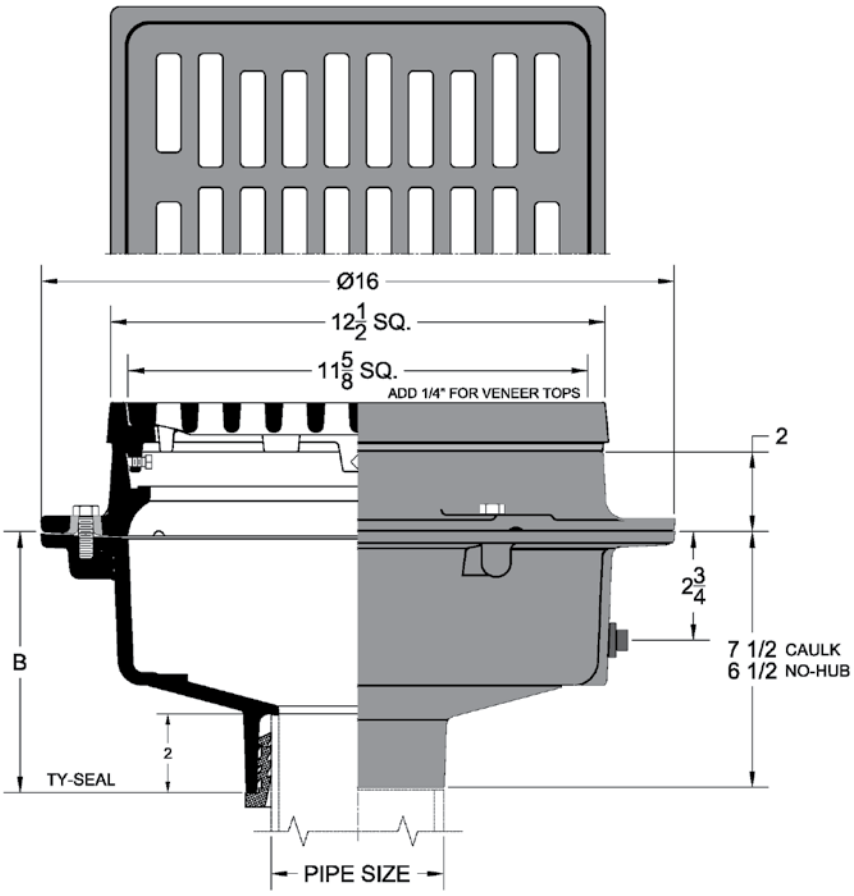
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH, 3NH,4NH,6NH,8NH,10NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 1,191.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top	200.00
8	Secondary Strainer *	84.00
11	Heel Proof Grate (Free Area-40.8 Sq.In.)	N/C
14	Hinged Grate	331.00
14-18	Solid Hinged Grate	726.00
14-19	Hinged Locking Grate	753.00
18-19	Hinged Solid Locking Grate	787.00
23	2" Grate Riser	192.00
27	Sediment Bucket (Aluminum)	281.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	1,142.00
123	Stainless Steel Mesh Bucket Liner	569.00

** Dimensions vary from illustration*

2310 12" Square, Heavy Duty, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



2310-12-3TY

Dimensions (In.)	
Pipe Size	**B**
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-2 Cast Iron Body with Satin Finish Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 3,013.00	$ 2,916.00	$ 1,670.00
8"	3,427.00	3,217.00	2,085.00
Grate Free Area (Sq.In.)	35.5	35.5	52.6
Wt. Lbs.	76.8	76.8	74.8

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

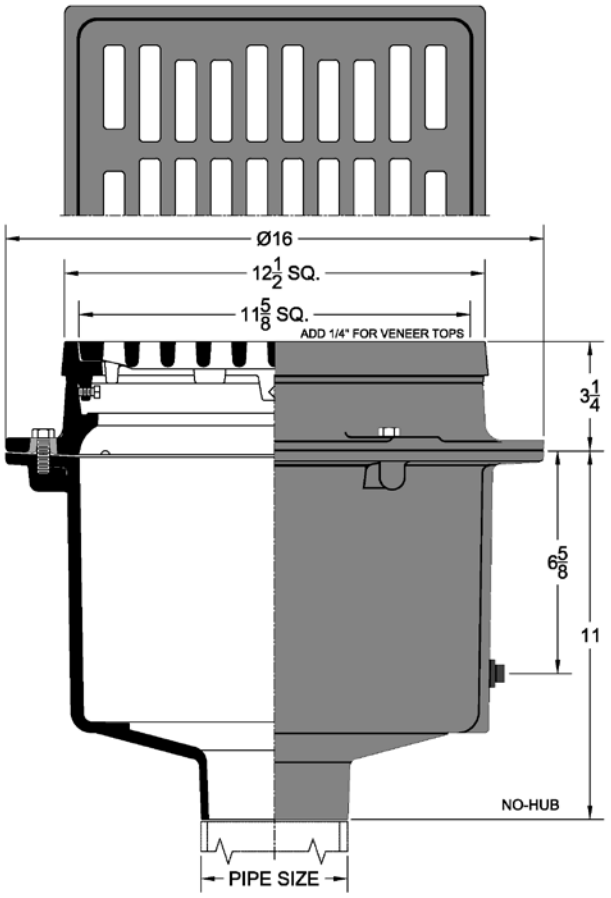
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH, 3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 1,250.00
SO	90 Degree Side Outlet (3TY,4TY,6TY,6TX)	497.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top	200.00
8	Secondary Strainer *	84.00
11	Heel Proof Grate (Free Area-40.8 Sq.In.)	N/C
14	Hinged Grate	331.00
14-18	Solid Hinged Grate	726.00
14-19	Hinged Locking Grate	753.00
18-19	Hinged Solid Locking Grate	787.00
23	2" Grate Riser	192.00
27	Sediment Bucket (Aluminum)	349.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	1,212.00
123	Stainless Steel Mesh Bucket Liner	569.00

** Dimensions vary from illustration*

FLOOR & AREA DRAINS

2320 12" Square, Heavy Duty, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



2320-12-3TY

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
3",4",6"	$ 2,608.00	$ 1,577.00

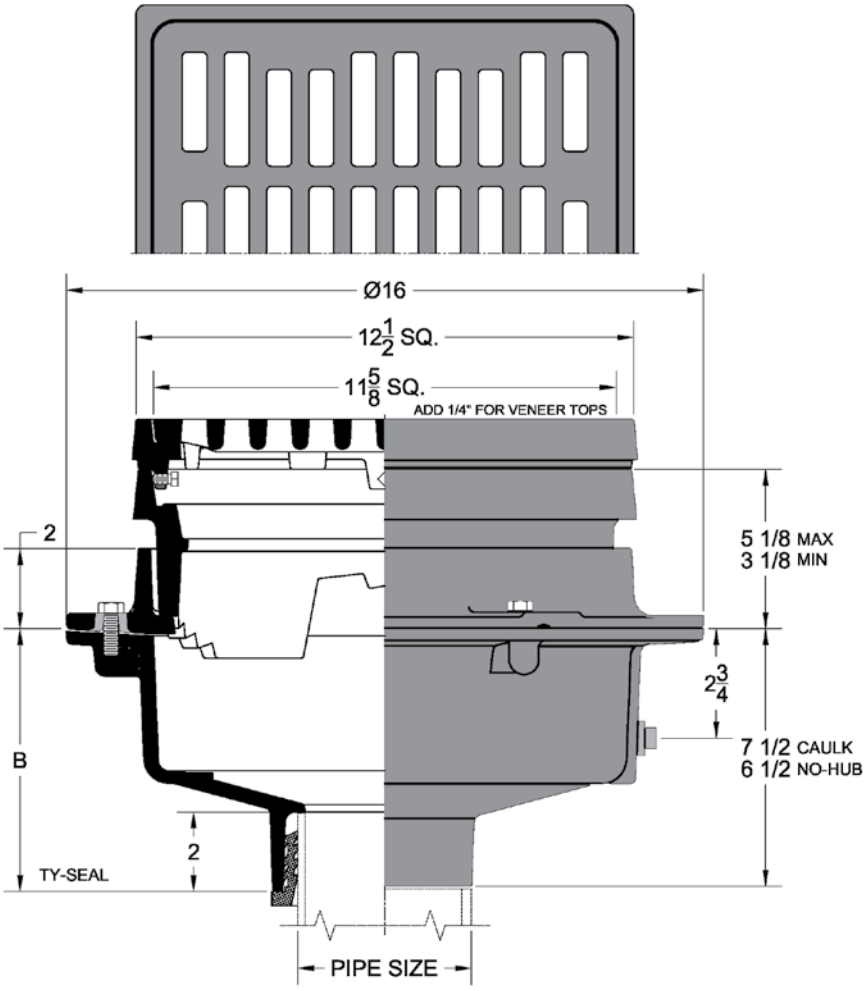
Suffix Options		
Suffix	**Description**	**Add**
VP	Vandal Proof Top	200.00
27	Sediment Bucket (Aluminum)	349.00
31	Backwater Valve (4" Only)	522.00
39	Galvanized Cast Iron	1,212.00

Regularly Furnished: Cast iron square floor with ductile iron tractor grate, clamp device, 1/2" trap primer connection & No-Hub bottom outlet.

** Dimensions vary from illustration*

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	3NH,4NH,6NH,8NH	N/C
Push On Gasket	3TY,4TY,6TY	N/C

2340 12" Square, Heavy Duty, Adjustable Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



2340-12-3TY

Dimensions (In.)	
Pipe Size	B
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

** Dimensions vary from illustration*

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 5,856.00	$ 4,023.00
8"	6,271.00	4,439.00
Grate Free Area (Sq.In.)	35.5	52.6
Wt. Lbs.	78.0	76.0

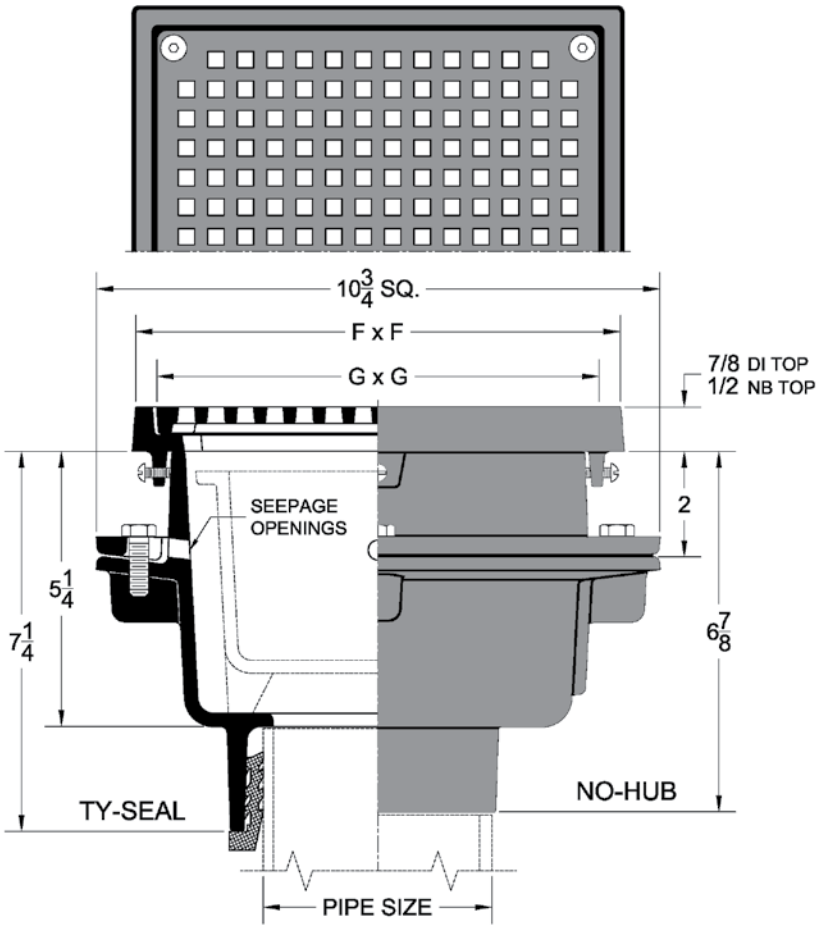
Outlet Variations		
Type	Designation	Add
Inside Caulk	3IC,4IC,6IC,8IC	N/C
No-Hub	2NH, 3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating	$ 2,435.00
SO	90 Degree Side Outlet (3TY,4TY,6TY,6TX)	497.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top	200.00
8	Secondary Strainer *	84.00
11	Heel Proof Grate (Free Area-40.8 Sq.In.)	N/C
14	Hinged Grate	331.00
14-18	Solid Hinged Grate	726.00
14-19	Hinged Locking Grate	753.00
18-19	Hinged Solid Locking Grate	787.00
23	2" Grate Riser	192.00
27	Sediment Bucket (Aluminum)	349.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	2,312.00
123	Stainless Steel Mesh Bucket Liner	569.00

2350 8" Square, Heavy Duty, Deep Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



2350-12-4TY

Dimensions (In.)		
Top Style	**F**	**G**
(1) Nickel Bronze	8-1/2	7-1/2
(12) Ductile Iron	9-1/4	8-1/2

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 1,868.00	$ 1,039.00
Grate Free Area (Sq.In.)	18.9	18.9
Wt. Lbs.	28.8	30.8

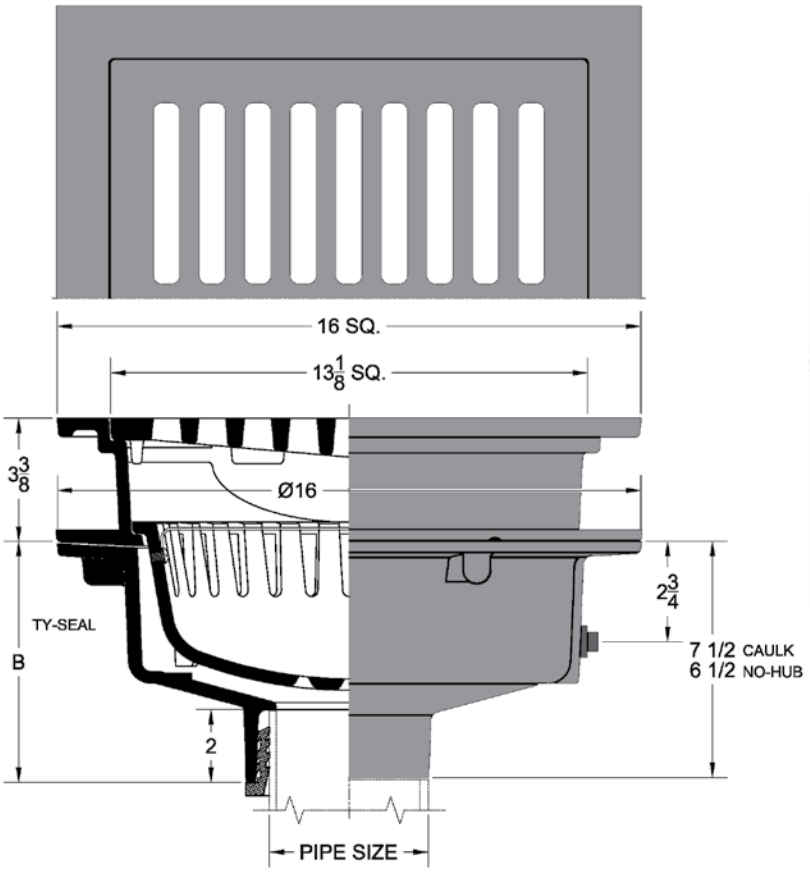
Regularly Furnished: Cast iron floor & area drain with flange, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC	N/C
No-Hub	2NH, 3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options		
Suffix	**Description**	**Add**
TSD	Trap Seal Device (See Model 4405)	$ 579.00
VP	Vandal Proof Top	200.00
WS	Wide Slot Grate (25.6 Sq.In. Open Area)	N/C
8	Secondary Strainer *	84.00
14	Hinged Grate	186.00
15	Half Grate	N/C
19	Hinged Locking Grate	749.00
26	Clamping Collar	247.00
27	Sediment Bucket	272.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	582.00
123	Stainless Steel Mesh Bucket Liner	569.00

** Dimensions vary from illustration*

2360 16" Square, Heavy Duty, Medium Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



2360-12-4TY

Dimensions (In.)	
Pipe Size	**B**
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6",8"	$ 6,123.00	$ 3,645.00
Grate Free Area (Sq.In.)	66.5	66.5
Wt. Lbs.	53.0	52.0

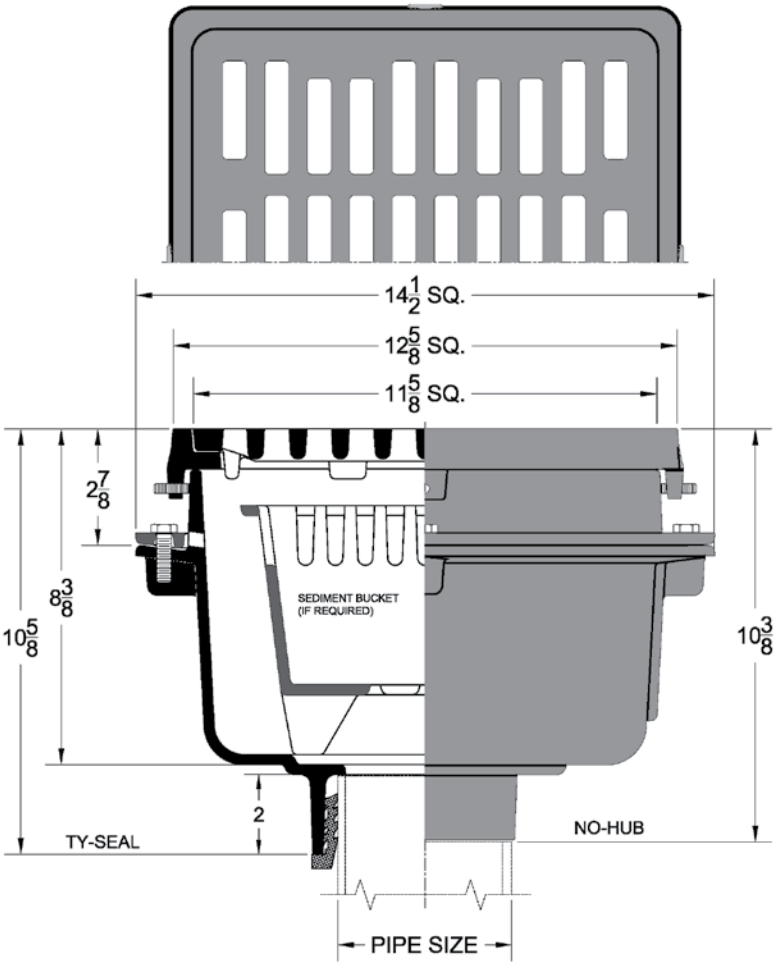
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC,6IC	N/C
No-Hub	2NH, 3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options		
Suffix	**Description**	**Add**
SO	90 Degree Side Outlet (3TY,4TY,6TY,6TX)	$ 497.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top	200.00
WS	Wide Slot Grate (25.6 Sq.In. Open Area)	848.00
11	Heel Proof Grate (Free Area-40.8 Sq.In.)	880.00
29	Less Sediment Bucket (Deduct)	(226.00)
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	1,878.00
123	Stainless Steel Mesh Bucket Liner	569.00

Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

** Dimensions vary from illustration*

2370 12" Square, Heavy Duty, Deep Sump Floor & Area Drain



ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



2370-12-4TY

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
2",3",4",6"	$ 3,048.00	$ 1,419.00
Grate Free Area (Sq.In.)	35.5	52.6
Wt. Lbs.	57.0	55.0

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	3IC,4IC	N/C
No-Hub	2NH, 3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

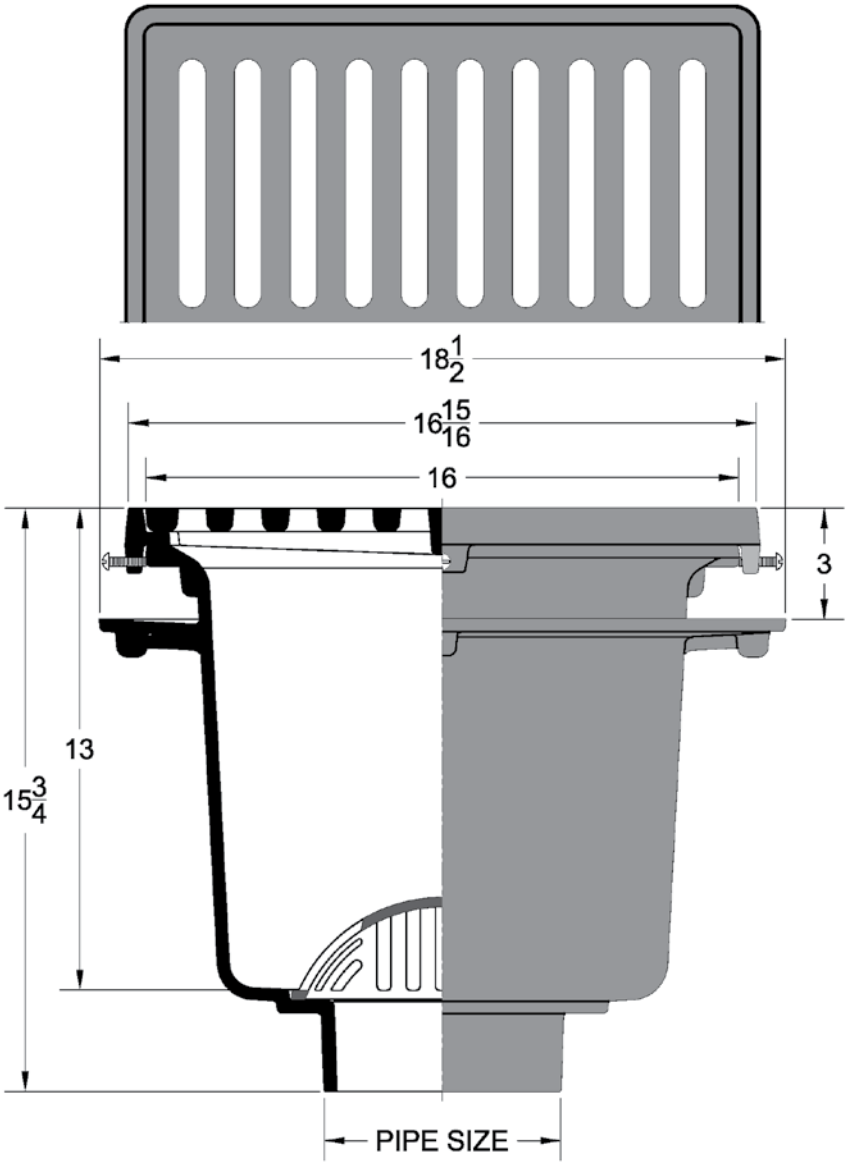
Regularly Furnished: Cast iron floor & area drain with flange, integral clamping collar, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

Suffix Options			
Suffix	**Description**		**Add**
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top		200.00
8	Secondary Strainer *		84.00
11	Heel Proof Grate (Free Area-40.8 Sq.In.)		N/C
14	Hinged Grate		331.00
14-18	Solid Hinged Grate		726.00
14-19	Hinged Locking Grate		753.00
18-19	Hinged Solid Locking Grate		787.00
21	Less Grate (Deduct)	-12	(264.00)
		-1	(795.00)
		-2	(125.00)
26	Clamping Collar		267.00
27	Sediment Bucket (Aluminum)		330.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		776.00
123	Stainless Steel Mesh Bucket Liner		569.00

** Dimensions vary from illustration*

2390 16" Square, Heavy Duty, Deep Sump Floor & Area Drain (Replaces 2380-SH)

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Heavy Duty





2390-12-6NH

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top
4",6",8"	$ 6,575.00	$ 2,826.00
Grate Free Area (Sq.In.)	55.8	89.1
Wt. Lbs.	89.9	90.1

Regularly Furnished: Cast iron floor & area drain with flange, seepage openings, 1/2" primer tap with plug, & heavy duty grate. Note: Grate and frame machined for vandal proof screws

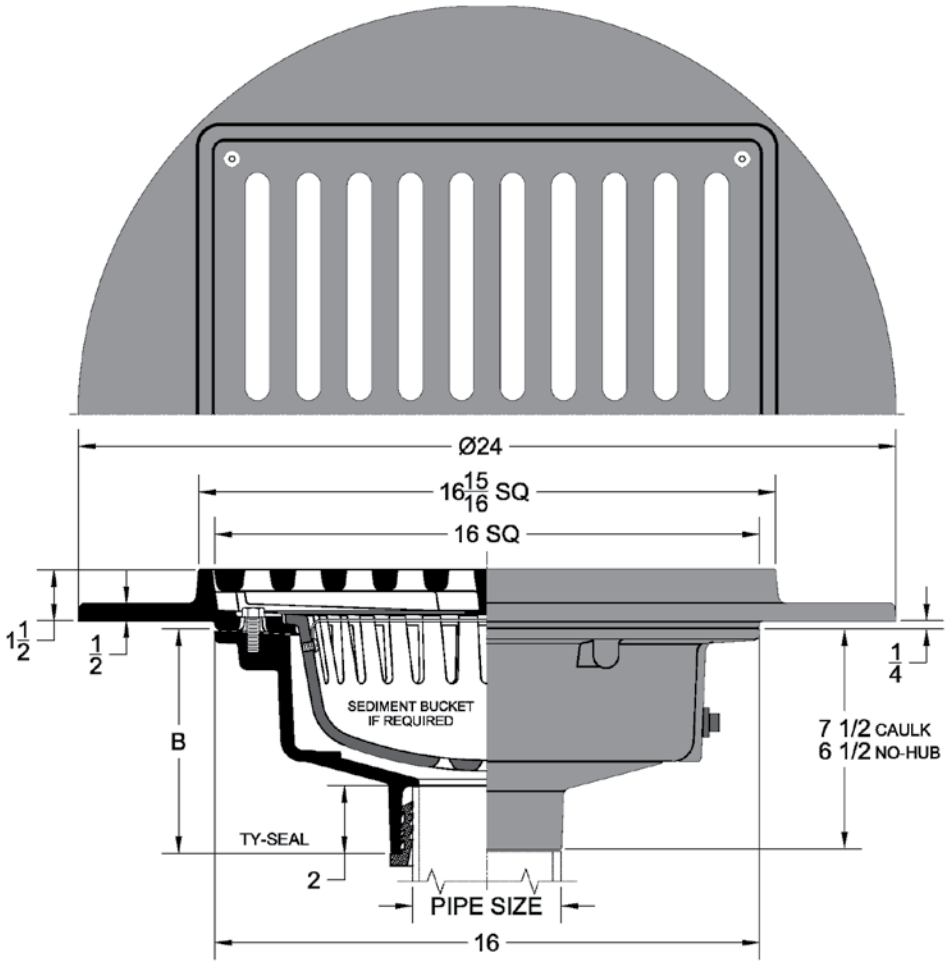
Outlet Variations		
Type	**Designation**	**Add**
No-Hub	4NH,6NH,8NH	N/C

Suffix Options			
Suffix	**Description**		**Add**
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top		200.00
8	Secondary Strainer *		84.00
11	Heel Proof Grate (Free Area-40.8 Sq.In.)		N/C
21	Less Grate (Deduct)	-12	(728.00)
		-1	(2,403.00)
		-2	(2,107.00)
26	Clamping Collar		1,267.00
27	Sediment Bucket (Aluminum)		1,129.00
31	Backwater Valve (3",4")		522.00
39	Galvanized Cast Iron		1,314.00
123	Stainless Steel Mesh Bucket Liner		569.00

** Dimensions vary from illustration*

2397 16" Square, Heavy Duty, Parking Area Drain

ASME Load Rating	
(-1) Nickel Bronze	Heavy Duty
(-2) Satin Bronze	Heavy Duty
(-12) Ductile Iron	Heavy Duty



Dimensions (In.)	
Pipe Size	B
2"	6-7/8
3"	6-3/4
4"	6-3/8
6"	6-1/4

Note: Frames and grates are machined for vandal proof screws (Sold Separately)

2397-12-3TY



Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Grate Free Area (Sq.In.)	Wt. Lbs.
3",4",6"	$ 5,527.00	$ 4,519.00	89.1	122.0
8"	6,106.00	5,030.00	89.1	122.0

Outlet Variations		
Type	Designation	Add
Inside Caulk	2IC,3IC,4IC,6IC,8IC	N/C
No-Hub	2NH, 3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

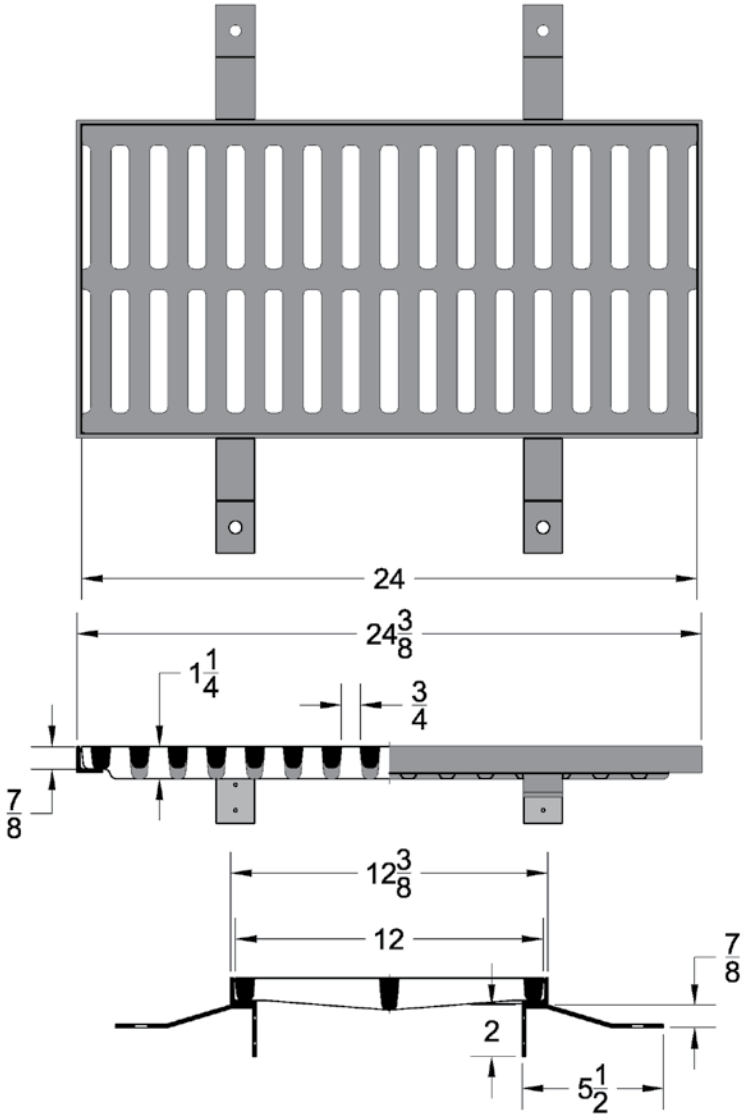
Regularly Furnished: Cast iron parking area drain with heavy duty support flange, seepage openings, 1/2" primer tap with plug, & heavy duty grate.

Suffix Options		
Suffix	Description	Add
VP	Vandal Proof Top	$ 200.00
8	Secondary Strainer *	84.00
27	Sediment Bucket in Leiu of Dome Strainer	621.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron	1,490.00
53	Under Deck Clamp *	330.00

** Dimensions vary from illustration*

2902 12" x 24" Special Duty Trench Grating

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty





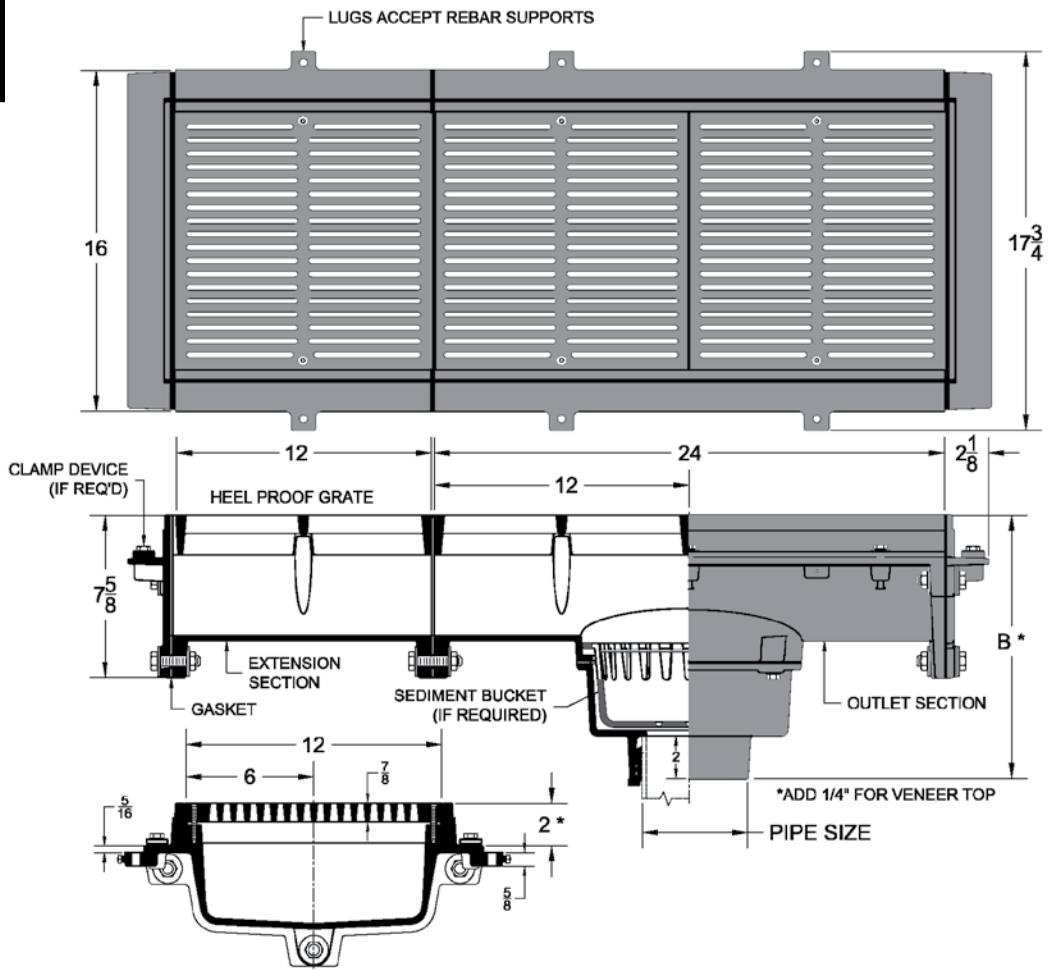
2902-F12X24-12

Regularly Furnished: 12" X 24" Painted cast ductile iron slotted special duty trench grating.

Style	-1 Satin Finish Nickel Bronze Top	-12 All Ductile Iron	-39 Ductile Iron Galvanized	Number of Grates
2902 Grate Only	$ 7,835.00	$ 1,855.00	$ 4,035.00	1
Grate Free Area (Sq.In.)	102.4	115.2	115.2	1
Grate Wt. Lbs.)	33.1	30.0	30.0	
Grates with Frames				
2902-F12x12	$ 11,799.00	$ 4,419.00	$ 6,599.00	1
2902-F12x48	23,594.00	8,837.00	13,198.00	2
2902-F12x72	35,392.00	13,257.00	19,797.00	3
2902-F12x96	47,185.00	17,676.00	26,394.00	4
2902-F12x120	58,984.00	22,094.00	32,993.00	5

** Dimensions vary from illustration*

2920 12" x 24" Modular Trench Drain



ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-2) Satin Bronze	Special Duty
(-12) Ductile Iron	Special Duty

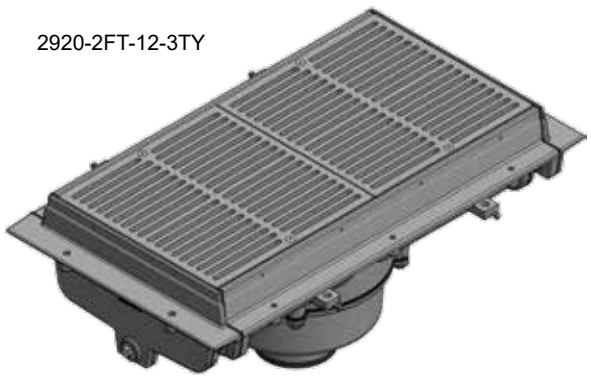
* Add 1/4" for Nickel Bronze Veneer Top.

Outlet	B
Inside Caulk	7-1/2
No-Hub	9-1/8
Push-On	9-1/8

Regularly Furnished: 12" wide modular cast iron floor & trench drain with integral anchor, leveling lugs, & special duty ductile iron ADA grate. Note: Grate and bodies are machined for vandal proof screws (Sold Separately)

Style	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Grate Free Area (Sq.In.)	Wt. Lbs.
2 FT Outlet Section	$ 8,338.00	$ 5,324.00	74.1	79.8
(-XT) 1FT Extension (Ea.)	4,169.00	2,662.00	37.0	58.0

2920-2FT-12-3TY

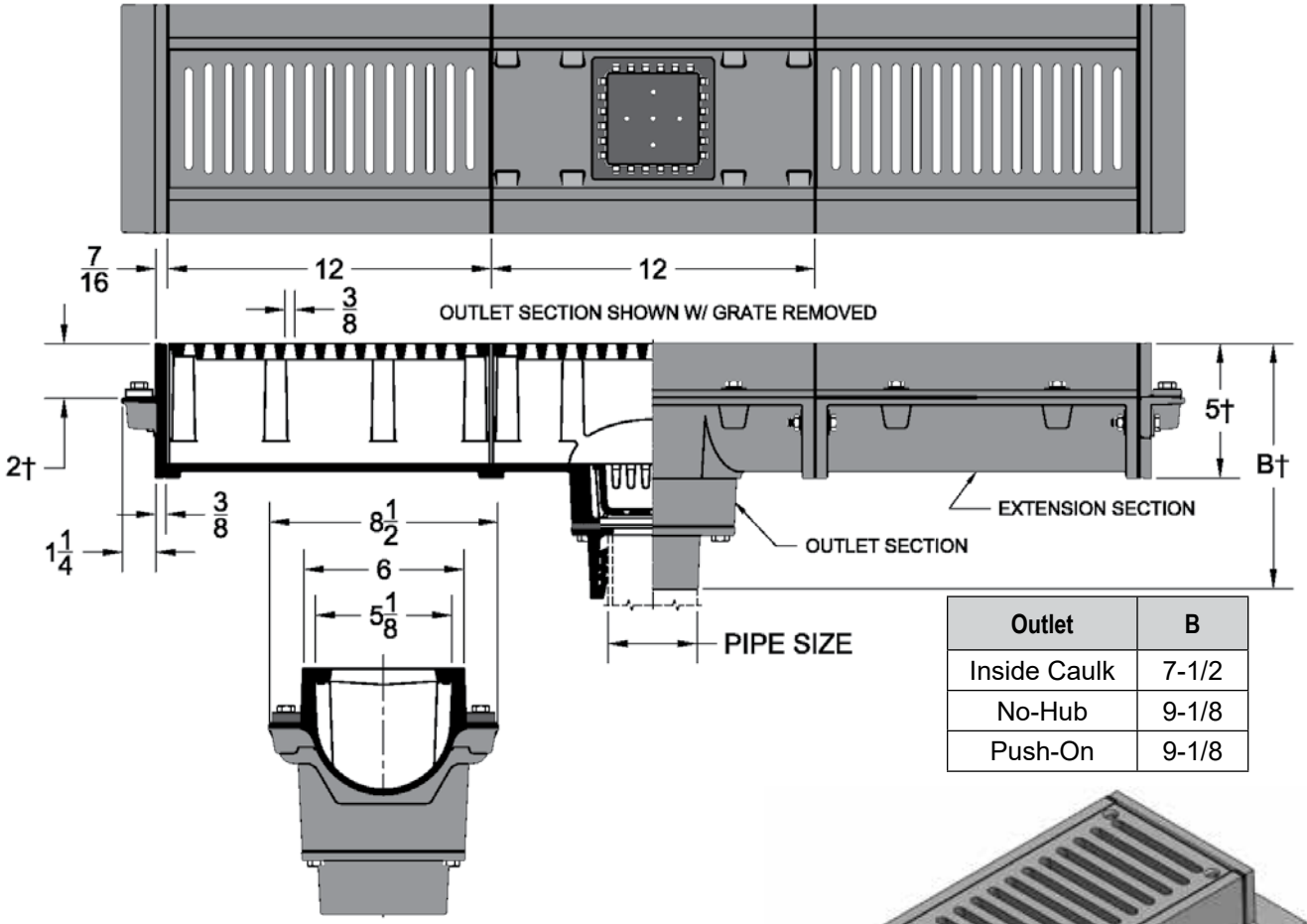


Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 1,042.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top (Per Foot)	329.00
9	Secondary Dome Strainer	411.00
26	Clamping Collar (Per Foor) *	219.00
27	Sediment Bucket	766.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron (Per Foot)	875.00

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC,6IC,8IC	N/C
No-Hub	2NH, 3NH,4NH,5NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

** Dimensions vary from illustration*

2950 6" x 12" Modular Trench Drain



Outlet	B
Inside Caulk	7-1/2
No-Hub	9-1/8
Push-On	9-1/8

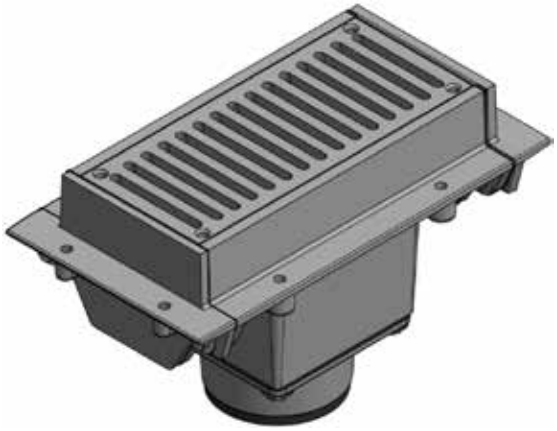
† Add 1/4" for heavy duty Nickel Bronze Veneer Top.
Note: Inside Caulk body is not a bolt on outlet and is furnished standard with a bome bottom strainer instead of a sediment bucket.

Outlet Size	-1 Cast Iron Body with Satin Finish Nickel Bronze Top	-12 Cast Iron Body with Ductile Iron Top	Grate Free Area (Sq.In.)
1 FT Outlet Section	$ 3,179.00	$ 1,411.00	22.9
(-XT) 1FT Extension (Ea.)	3,179.00	1,411.00	22.9

Regularly Furnished: 6" Wide modular cast iron floor & trench drain with integral flange, lugs, & medium duty ductile iron grate. Optional special duty grating is ADA Heel Proof.

Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC,6IC,8IC	N/C
No-Hub	2NH, 3NH,4NH,5NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Note: Grate and body machined for vandal proof screws. (Sold Separately)



2950-1FT-12-3TY

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 709.00
SD	Special Duty Ductile Iron Grating (Per Ft.) *	440.00
TSD	Trap Seal Device (See Model 4405)	579.00
VP	Vandal Proof Top (Per Foot)	329.00
9	Secondary Dome Strainer	329.00
26	Clamping Collar (Per Foot) *	216.00
27	Sediment Bucket (Cast Iron)	401.00
31	Backwater Valve (3",4")	522.00
39	Galvanized Cast Iron (Per Foot)	438.00

** Dimensions vary from illustration*

ROOF DRAINS

INDEX	
Application	**Product Recommendation**
Large Area Main Roof Drains	3000, 3001, 3007
Flow Controlled Roof Drains	3007
Medium Area Main Roof Drains	3011
Small Area Main Roof Drains	3012
Dual Outlet Drains / Combination Drains	3041, 3042, 3043, 3044, 3046
Roof Receptor Drains	3061, 3062, 3063
Deck Drains	3101, 3105, 3111, 3115, 3121, 3150
Cornice / Balcony Drains	3230, 3240, 3241
Parapet / Scupper Drains	3270, 3290
Green Roof Drains	3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358,3359
Vent Stack Sleeves / Couplings / Caps	3600
Expansion Joints	3900
Downspout Boots / Nozzles / Covers	3940, 3941, 3942, 3950

How to Specify

3000-42-3NH-ADF

Series Number (Required)

Finish & Materials (Required)

Connection Type & Size (Required)

Miscellaneous Options (As Needed)



Wade is a Leader In Siphonic Roof Drainage Systems with hundreds of successful installations in the United States and Canada.

Our Extensive Line of Siphonic Solutions is Cataloged in a Separate Brochure, plus we offer design assistance to the qualified design professional.

Please Contact your Local Wade Sales Representative for Details

Based on National Plumbing Code (Consult local codes for roof areas)		
Steps for selecting roof drain leader sizes and quantity required for a given roof size		
Step	Requirement	Example
1	Calculate Total Roof Area	Total Roof Area—500’ by 270’ equals 135,000 Sq.Ft.
2	Determine maximum hourly rainfall in inches	For this example—Use 4" per/hr
3	Select Leader Size	Assume that 6" leaders are desired for this job
4	From Table 1, Determine the square feet that can be drained by one 6" roof leader at the maximum 4" hourly rainfall rate	From Table 1 One 6" Leader at 4" hourly rainfall rate will drain 13,500 square feet of roof area.
5	Divide the total roof area by the area that one 6" leader will accommodate. The result is the number of drains required for the building. If the result is fractional, use the next higher number	135,000 Square Feet (Total Roof Area) divided by 13,500 Square Feet (Maximum Rate for 6" Drain at 4" per hour) **135,000 ÷ 13,500 = 10** (10 DRAINS REQUIRED)

Table 1

Roof drain vertical leader requirements for roof areas at various rainfall rates

Leader (Pipe Size)	Open Area (Sq.In.)	Hourly Rainfall (Inches)									
		1	1-1/2	2	2-1/2	3	4	5	6	7	8
2	3.14	2,880	1,920	1,440	1,150	960	720	575	480	410	360
3	7.06	8,880	5,860	4,400	3,520	2,930	2,200	1,720	1,470	1,260	1,100
4	12.56	18,400	12,700	9,200	7,360	6,130	4,600	3,680	3,070	2,630	2,300
5	19.60	34,600	23,050	17,300	13,840	11,530	8,650	6,920	5,765	4,945	4,325
6	28.30	54,000	36,000	27,000	21,600	18,000	13,500	10,800	9,000	7,715	6,750
8	50.25	116,000	77,400	58,000	46,400	38,680	29,000	23,200	19,315	16,570	14,500

STEPS FOR CALCULATING DRAINAGE REQUIREMENTS USING GALLONS PER MINUTE (G.P.M.)

1. Use the following formula to determine G.P.M.
   G.P.M. = 0.0104 X R X A
   R = Rainfall intensity—inches/hour
   A = Roof Area—Square Feet
   0.0104 = Conversion Factor—G.P.M./Sq.Ft. for 1"/Hr Rainfall

2. Example:
   (a) 4" rainfall inches/hour
   (b) 135,000 Sq.Ft. Total Roof Area
   (c) G.P.M. = 0.0104 x 4" x 135,000 Sq.Ft.. = 5,616 GPM

3. Refer to Table 2: A 4" Leader will handle 192 GPM.

   5,616 GPM ÷ 192GPM = 29.25 - 30 Roof Drains (4") Required

If 6" Leaders are desired , a 6" Leader will handle 566 GPM thus:

   5,616 GPM ÷ 566GPM = 9.9 - 10 Roof Drain (6") Required.

Table 2

Allowable flow for vertical leaders and horizontal storm drains

Flow in Gallons Per Minute (GPM)

Pipe Size	Vertical Leader	Horizontal Leader (Slope / Ft.)		
		1/8"	1/4"	1/2"
2"	30	12	17	24
3"	90	36	51	72
4"	192	78	111	157
5"	348	142	201	284
6"	566	231	327	462
8"	1220	498	705	996
10"	2200	902	1275	1804
12"	-	1467	2076	2934
15"	-	2666	3774	5332

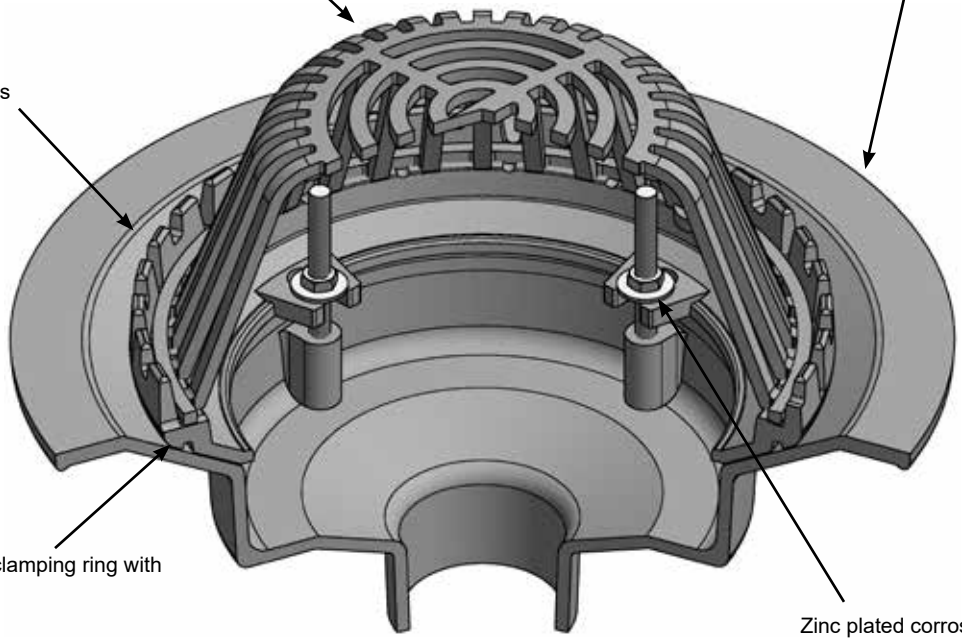
General Product Information

3000 (Primary Drain)

Large open area dome permits unobstructed flow. Domes are available in polypropylene, cast iron, galvanized cast iron, aluminum and brass.

Broad plane surface allows for installation optional bearing pan (sump receiver) in many applications.

Sloped body eliminates ponding.



Cast iron membrane clamping ring with integral gravel stop.

Zinc plated corrosion resistant hardware

No-Hub outlet connection. Also available with Push-On, Inside Caulk or Female Threaded Outlets.



3000-42-3TY

Roof Drains—Product Compliance

Wade roof drains are constructed of high quality materials, and in general, are designed to meet the requirements of ASME Standard A112.6.4.

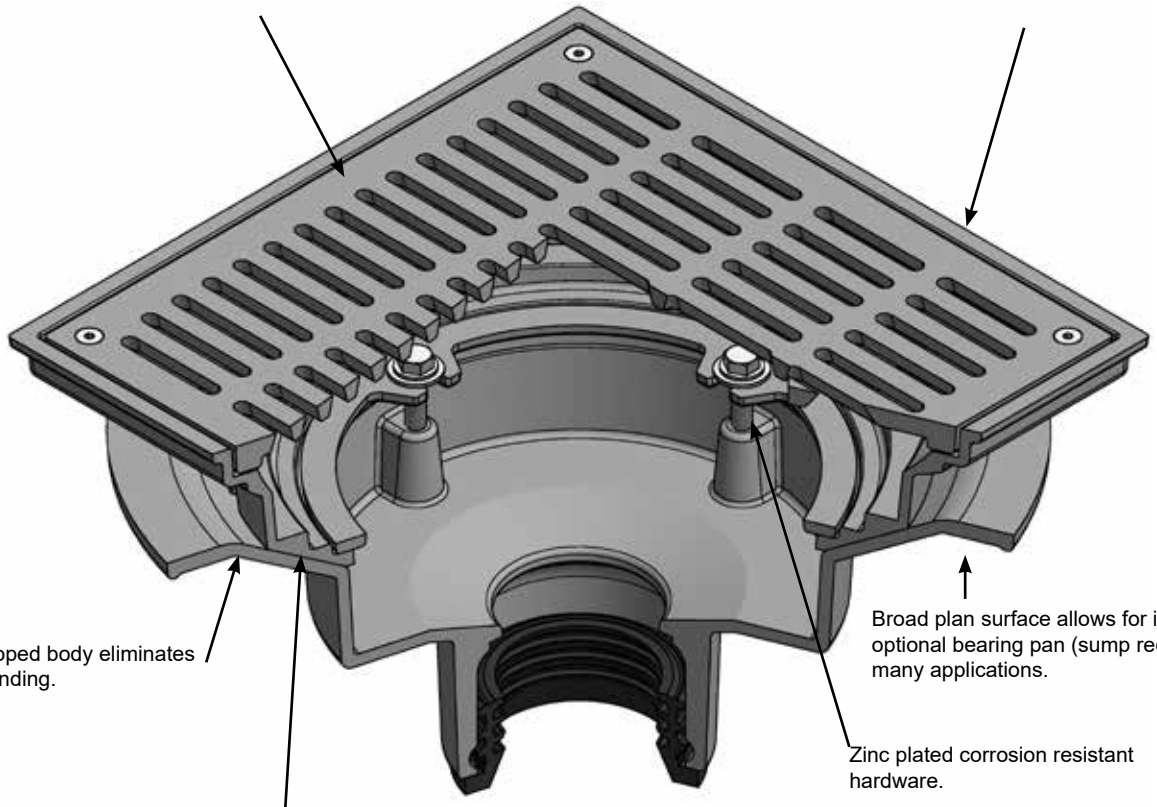
General Information:

Primary roof drains are comprised of three basic components:

(1) body (sump)
(2) combination flashing clamp/gravel guard and
(3) dome strainer.

General Product Information

3101 (Promenade Deck Drain)





Promenade Deck Drains—Product Compliance

Wade deck drains are constructed of high quality materials, and in general, are designed to meet the requirements of ASME Standard A112.6.4.

General Information:

Primary roof drains are comprised of four basic components:

(1) body (sump)
(2) a combination flashing clamp/grate collar
(3) a securing ring and
(4) a flat strainer.

Wade promenade deck drains are designed with a rotable collar to allow adjustment independent of the body

Options & Variations



Function: Used in flat roof construction, the adjustable sleeve permits adjustment from a minimum of 1-3/4" to a maximum of 3-1/2" to easily accommodate varying insulation thicknesses. The positive thread engagement allows smooth perimeter movement.

(ADF) Adjustable Extension



Function: Used in flat roof construction, the adjustable drain riser sleeve permits adjustment from a minimum of 1" to a maximum of 6" to easily accommodate varying insulation thicknesses. The positive thread engagement allows smooth perimeter movement. A large bearing surface ring eliminates the need for sump receivers.

(AE) Adjustable Drain Riser



Function: Used in flat roof construction, the adjustable standpipe permits adjustment to a maximum of 4" to easily accommodate varying overflow conditions. The positive thread engagement allows smooth perimeter movement.

(AW) Adjustable Water Regulator



Function: Used in flat roof construction where a constant water depth is desired or an emergency overflow if the primary drain becomes clogged or is inadequate for the flow conditions. The dam keeps debris away from the dome and accommodates more overflow drainage with less head build-up.

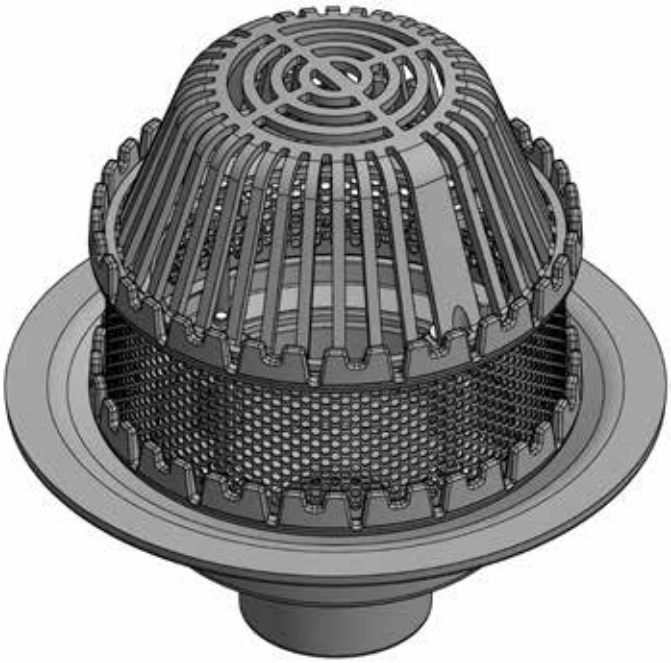
(D) Dam (2" High)

Options & Vaiations



Function: Used in flat roof construction, the fixed sleeve easily accommodates typical insulation thicknesses. Available in 1", 2", 3" and 4" heights. Units are stackable for heights exceeding 4".

(DF) Fixed Extension



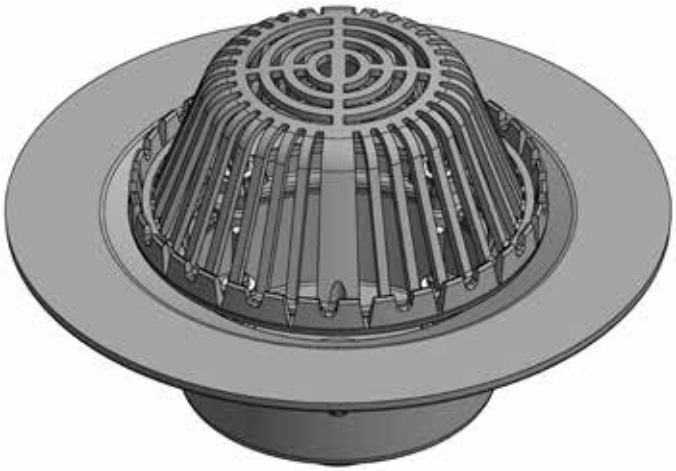
Function: Used in roof systems where the inverted roof membrane assembly method of waterproofing is used. This method, commonly termed "IRMA" relies on a perforated stainless steel sleeve to retain the crushed gravel ballast used to secure the insulation. Available in various heights to accommodate various insulation thicknesses. 2", 3" and 4" heights standard.

(DFS) Perforated Extension



Function: Used in roof systems where the insulated membrane assembly method of waterproofing is used. This method, commonly termed "IRMA" relies on a perforated stainless steel fixed sleeve to retain the crushed gravel ballast used to secure the insulation. 4" height standard. Other Heights Optional.

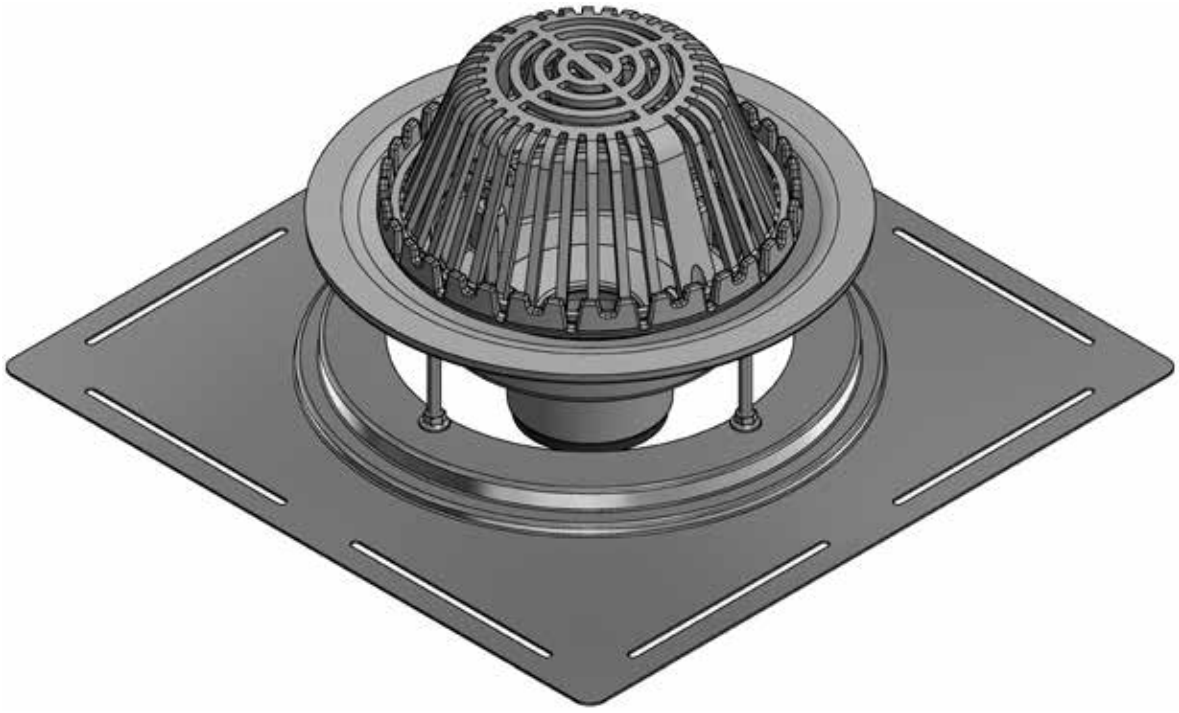
(DP) Perforated Gravel Stop



Function: For use in promenade roof deck and rooftop recreational areas where a traffic bearing roof deck covering is to be applied. Drain body sump is protected from leaves, paper and other debris by a large secured dome. The wide flange offers an ideal substrate for the membrane application.

(E) Elastomeric Wide Flange

Options & Variations



Function: Used in flat roof construction, this adjustable drain riser permits adjustment by means of threaded rods to easily accommodate varying insulation thicknesses.

(EB) Adjustable Drain Riser



Function: The Wade bearing pan / sump receiver allows for flush installation of the roof drain body, eliminating ponding around the drain. A recess in the pan accepts the body and clips on the underside firmly secure the drain. This unit eliminates the need for underdeck clamps as it can be Tek screwed to the deck upon installation.

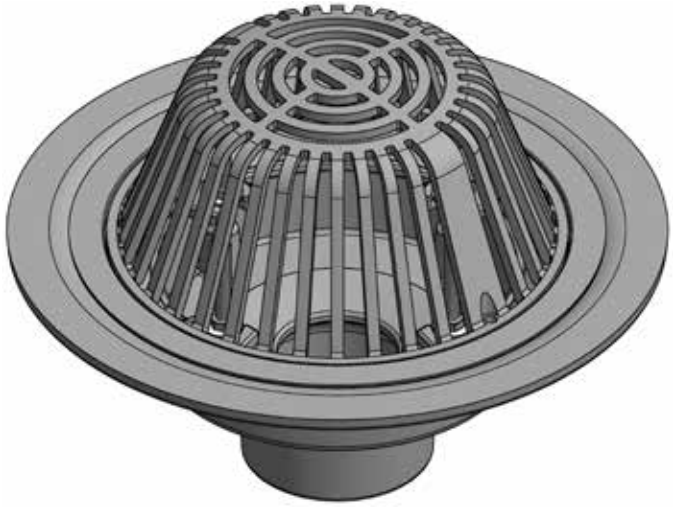
(189) Bearing Pan with Securing Hardware

Options & Vaiations



Function: For use in promenade roof decks and rooftop recreational areas where traffic bearing pavers are to be applied. The drain is installed under the pavers and the slotted grate prevents debris from entering the drain.

(FG) Flush Grate



Function: For use in roof systems that utilize a polymer sheet membrane. Typically these roof systems do not rely on gravel as a ballast. The smooth flashing ring allows for unobstructed flow to the drain.

(LGS) Less Gravel Stop



Function: Used in flat roof construction where a constant water depth is desired or for an emergency overflow if the primary drain becomes clogged or is inadequate for the flow conditions. The plastic threaded standpipe can be easily modified for various overflow depths

(SD) Adjustable Internal Overflow Dam



Function: Used in flat roof construction where space is limited under the roof structure. The compact design incorporates a slopped side outlet.

(SO) Side Outlet Body

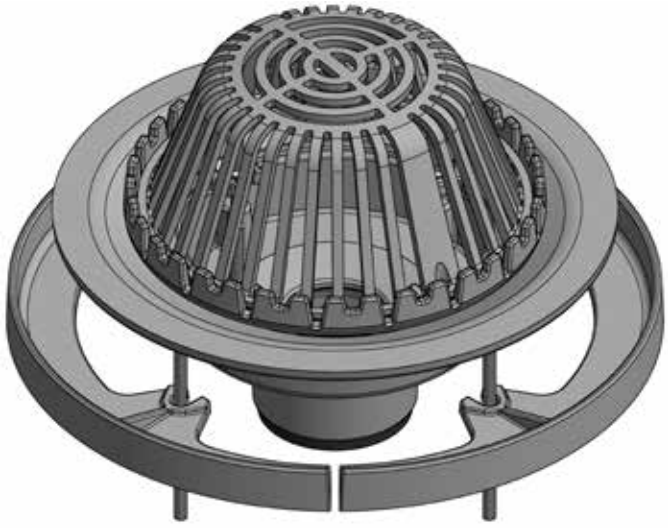
ROOF DRAINS

Options & Vaiations



Function: For use in roof systems that encounter small debris or pea gravel which may otherwise pass through the gravel stop and dome. It is also ideal for planting areas.

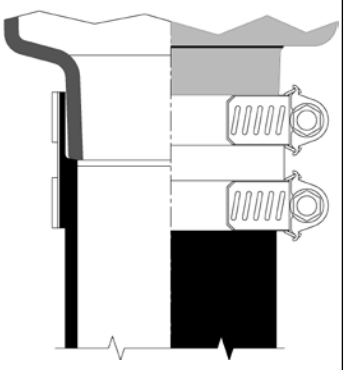
(50) S/S Mesh Dome Cover



Function: Normally used on all roof systems except poured-in-place installations, the underdeck clamp firmly secures the drain to the roof structure thereby eliminating the movement caused by expansion an contraction transferring to the membrane.

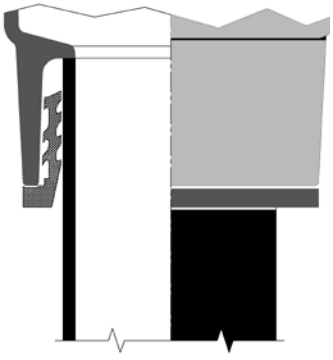
(53) Under Deck Clamp

Outlet Variations



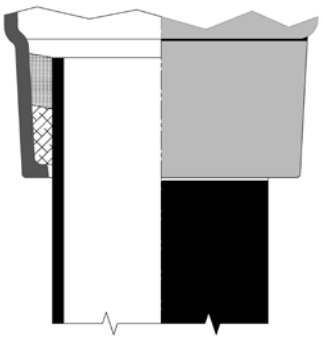
(NH) No-Hub

No-Hub Connection is achieved by butting cast iron soil pipe, plastic pipe or steel pipe to the bottom of the drain and securing with a joint clamp. (Clamp furnished by others).



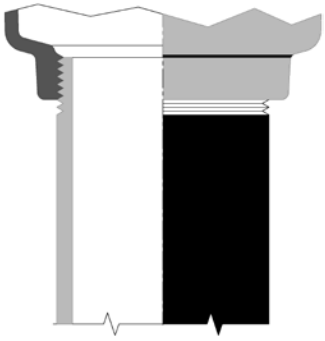
(TY) Push-On

The Wade Push-On connection is a unique labor saving gasketed joint designed to simply push on the stub end of the pipe. It can be used on C.I. Soil Pipe, plastic pipe or steel pipe. (Lubrication is required).



(IC) Inside Caulk

Inside caulk connections are achieved by placing the body over the pipe and supporting independently to allow the pipe to protrude into the outlet. A seal is made with oakum followed by lead peened around the pipe for a secure joint.

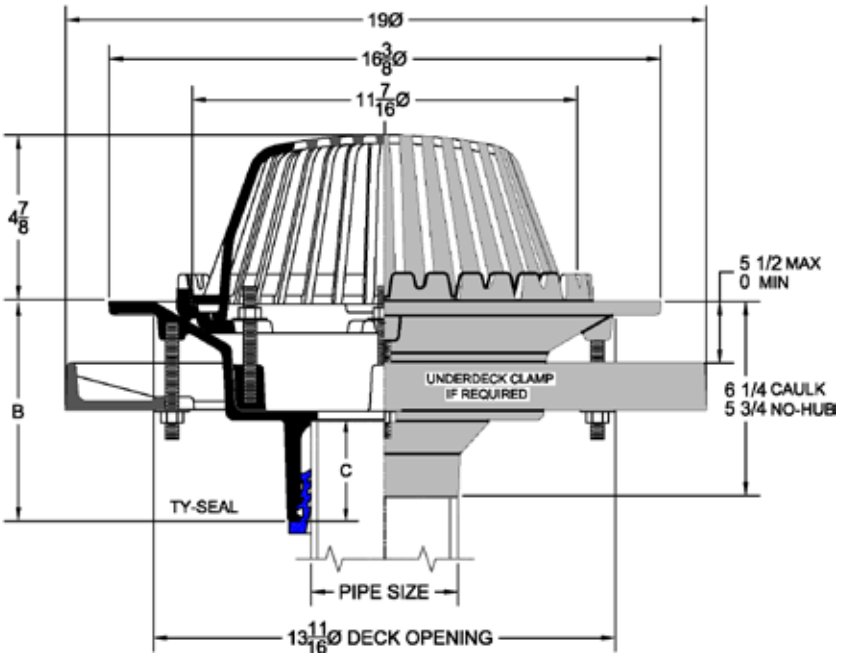


(IPS) Female Threaded

Iron pipe size connections are an old industry standard used in industrial and institutional applications. The female NPT threaded outlet is matched to male threaded pipe and requires a sealant.

ROOF DRAINS

3000 | 16-3/8" Diameter Large Area Primary Drain | Dome Free Area = 113.5





3000-42-3TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 2,086.00	$ 963.00	$ 1,895.00	$ 1,249.00	$ 1,301.00
5,6"	2,501.00	1,378.00	2,313.00	1,664.00	1,717.00
8"	2,915.00	1,793.00	2,726.00	2,078.00	2,131.00

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	--

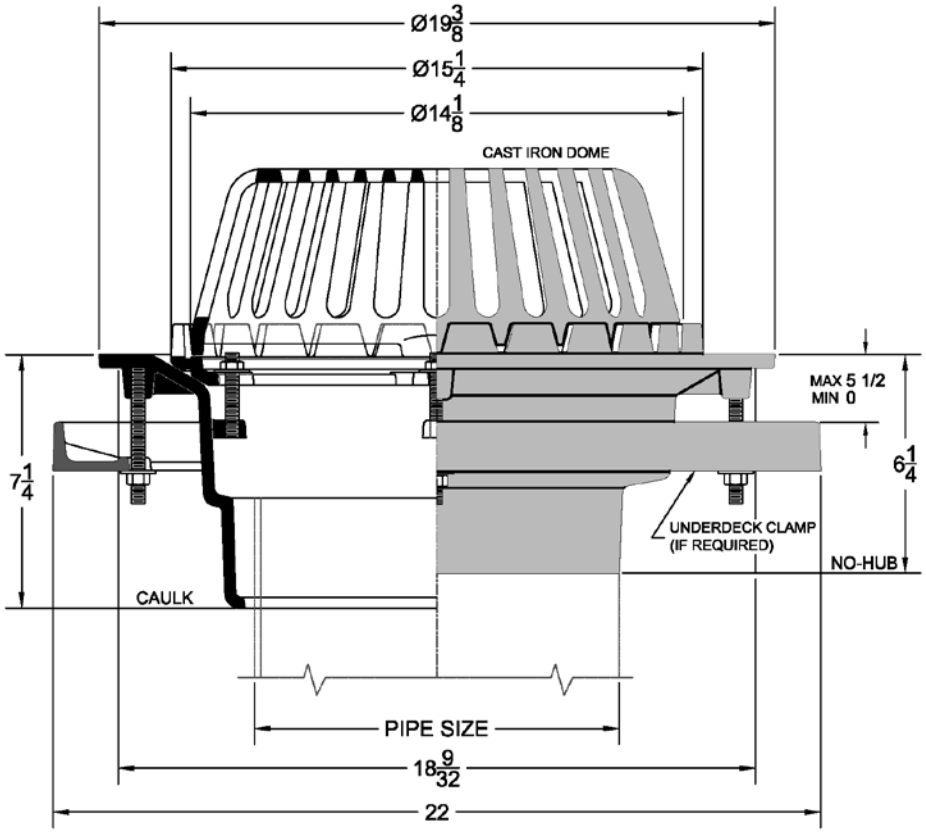
Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

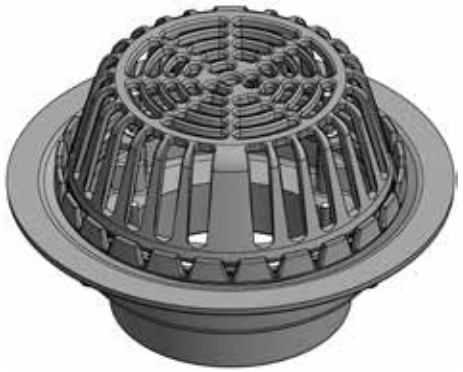
Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, & locking dome.

* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
AW	Adjustable Water Regulator *		1,206.00
D	Dam (2" High) *		317.00
DP	Perforated Stainless Steel Gravel Stop *		1,108.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,058.00
	For Each Addition 1" (Add/In.)		107.00
E	Elastomeric Wide Flange Body *		1,961.00
LGS	Less Gravel Stop		N/C
SD	Adjustable Internal Overflow Dam *		574.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		686.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3001 | 19-3/8" Diameter High Capacity Primary Drain | Dome Free Area = 122.0





3001-42-12NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix			Wt. Lbs.
	40	42	46	
	Galv. C.I.	Cast Iron	Aluminum	
8"	$ 3,365.00	$ 2,567.00	$ 2,898.00	58.0
10"	3,630.00	2,831.00	3,167.00	55.0
12"	3,833.00	3,035.00	3,367.00	60.0

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	8NH,10NH,12NH	N/C
Inside Caulk	8IC,10IC	N/C

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
AE	Adjustable Drain Riser *	$ 1,776.00	$ 2,244.00
DF	Fixed Extension * (1",2",3" or 4") *	1,353.00	2,044.00
EB	Adjustable Drain Riser Pan *	1,229.00	--

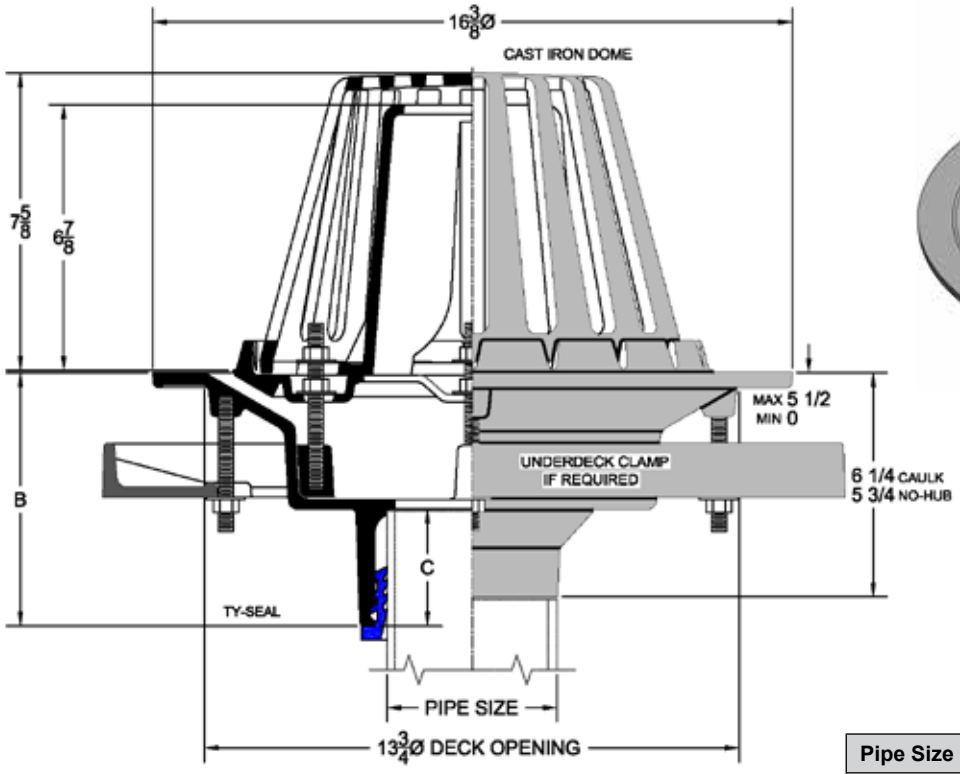
Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, & loose set dome.

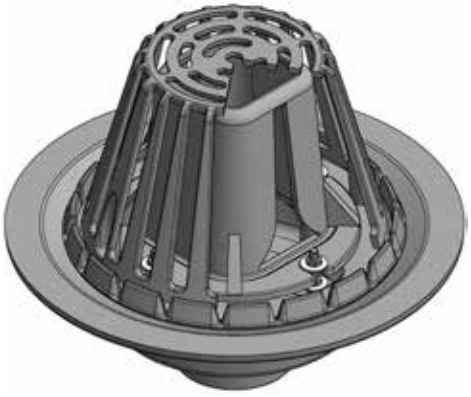
** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 2,551.00
D	Dam (2" High) *		926.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,360.00
	For Each Addition 1" (Add/In.)		124.00
DP	Perforated Stainless Steel Gravel Stop *		1,343.00
SD	Adjustable Internal Overflow Dam *		1,459.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(40,46)	1,367.00
		(42)	1,943.00
49	Bronze Mesh Over Dome		686.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		230.00
53	Under Deck Clamp *		230.00
189	Bearing Pan w/ Securing Hardware *		1,048.00

ROOF DRAINS

3007	16-3/8" Diameter Control-Flo Drain	Dome Free Area = 101.3





3007-42-4NH

Pipe Size	2"	3"	4"
Wt. Lbs.	52.6	51.9	53.0

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix			
	3	40	42	46
	Bronze	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,120.00	$ 3,338.00	$ 3,097.00	$ 3,141.00
5,6"	4,530.00	3,754.00	3,535.00	3,580.00

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	6-3/8	6-5/8	6-7/8
C	2-1/2	2-3/4	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY,6TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

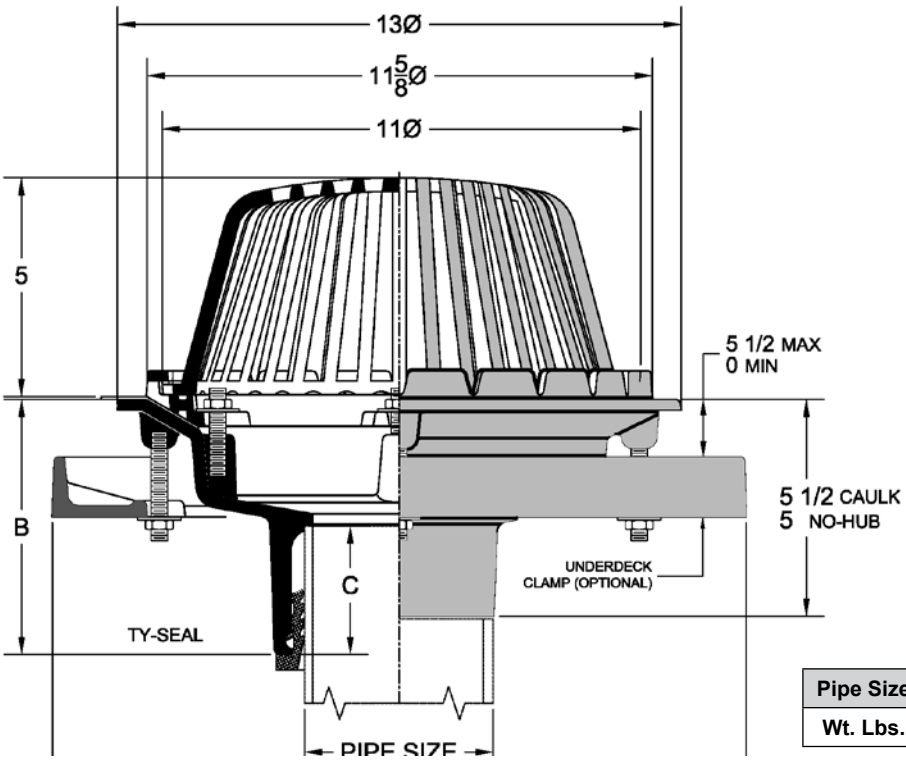
Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	--

Regularly Furnished: Cast iron control flow roof drain with flange, flashing ring, gravel stop, proportional flow weir & high cast iron dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
DP	Perforated Stainless Steel Gravel Stop *		1,108.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,058.00
	For Each Addition 1" (Add/In.)		107.00
E	Elastomeric Wide Flange Body *		1,961.00
SD	Adjustable Internal Overflow Dam *		574.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(42)	1,213.00
49	Bronze Mesh Over Dome		686.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3011 | 13" Diameter Medium Area Primary Drain | Dome Free Area = 75.0





3011-42-3TY

Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	29.0	28.9	29.0	28.8	28.8

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 1,412.00	$ 855.00	$ 1,225.00	$ 1,068.00	$ 1,098.00
5,6"	1,412.00	855.00	1,225.00	1,068.00	1,098.00

Dimensions (Inches) Push-On Outlets			
Pipe Size	2"	3"	4"
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1.5",2.5",3.5" or 4.5")	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	--

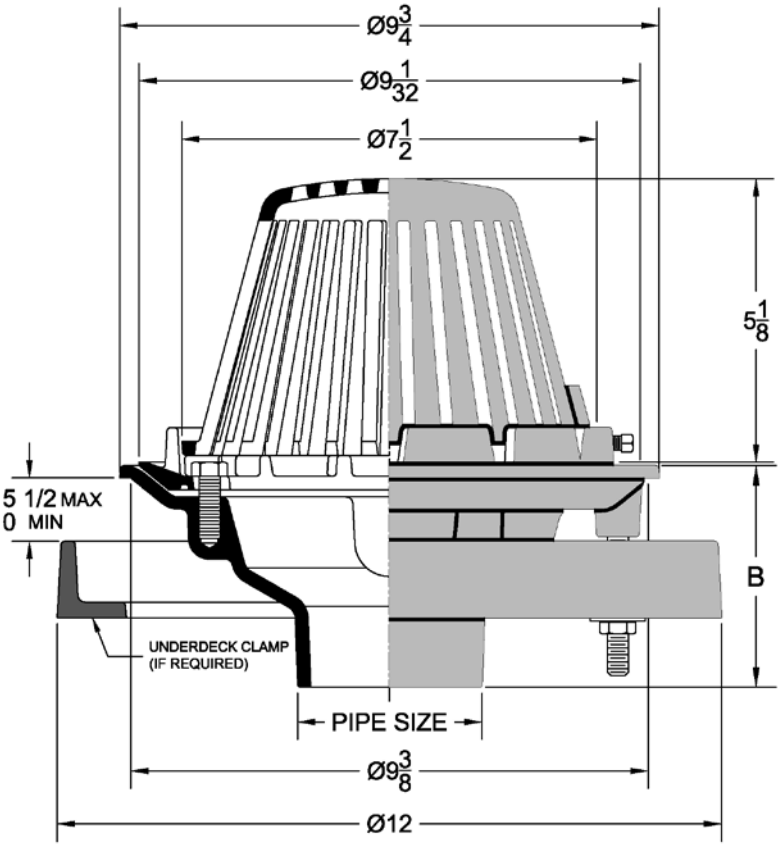
Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, & locking dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,389.00
D	Dam (2" High) *		261.00
DP	Perforated Stainless Steel Gravel Stop *		855.00
DFS	Perforated Stainless Steel Extension (1-4") *		855.00
	For Each Addition 1" (Add/In.)		96.00
SD	Adjustable Internal Overflow Dam *		574.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		216.00
VP	Vandal Proof Top		159.00
39	Galvanized Cast Iron	(32)	537.00
		(42)	691.00
48	Flush Grate in Lieu of Dome *		470.00
49	Bronze Mesh Over Dome		635.00
50	Stainless Steel Mesh Over Dome		635.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

ROOF DRAINS

3012	9-3/4" Diameter Small Area Primary Drain	Dome Free Area = 43.0





3012-42-2TY

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	16.0	16.4	16.5	17.0

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 1,175.00	$ 726.00	$ 1,001.00	$ 855.00	$ 963.00
6"	1,430.00	979.00	1,253.00	1,108.00	1,216.00

Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, &secured dome.

* *Dimensions vary from illustration*

Dimensions (Inches)				
Outlet Style	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	2	N/A	N/A	N/A

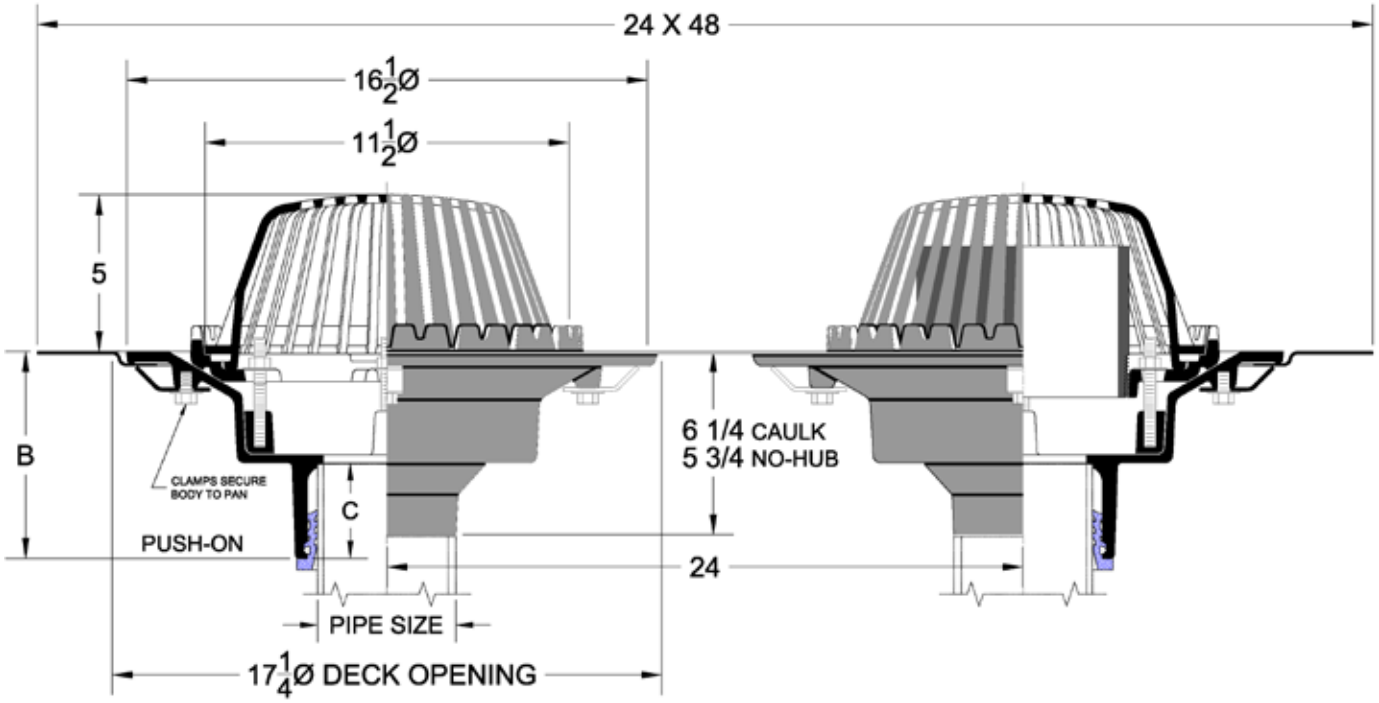
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
No-Hub	6NH	255.00
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	--

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,042.00
D	Dam (2" High) *		265.00
DFS	Perforated Stainless Steel Extension (1-4") *		632.00
	For Each Addition 1" (Add/In.)		96.00
DP	Perforated Stainless Steel Gravel Stop *		632.00
SD	Adjustable Internal Overflow Dam *		491.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		251.00
VP	Vandal Proof Top		150.00
39	Galvanized Cast Iron	(32)	272.00
		(42)	418.00
49	Bronze Mesh Over Dome		481.00
50	Stainless Steel Mesh Over Dome		481.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

ROOF DRAINS

3041	16-3/8" Diameter Combination Primary/Overflow Drain	Dome Free Area = 113.5.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 5,643.00	$ 3,396.00	$ 5,064.00	$ 3,964.00	$ 4,055.00
5,6"	6,466.00	4,218.00	5,883.00	4,784.00	4,881.00
8"	7,293.00	5,046.00	6,713.00	5,611.00	5,709.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

Dimensions (Inches) Push-On Outlets				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 215.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 1,979.00	$ 2,928.00
AE	Adjustable Drain Riser *	2,135.00	3,064.00
DF	Fixed Extension * (1",2",3" or 4") *	1,802.00	2,718.00

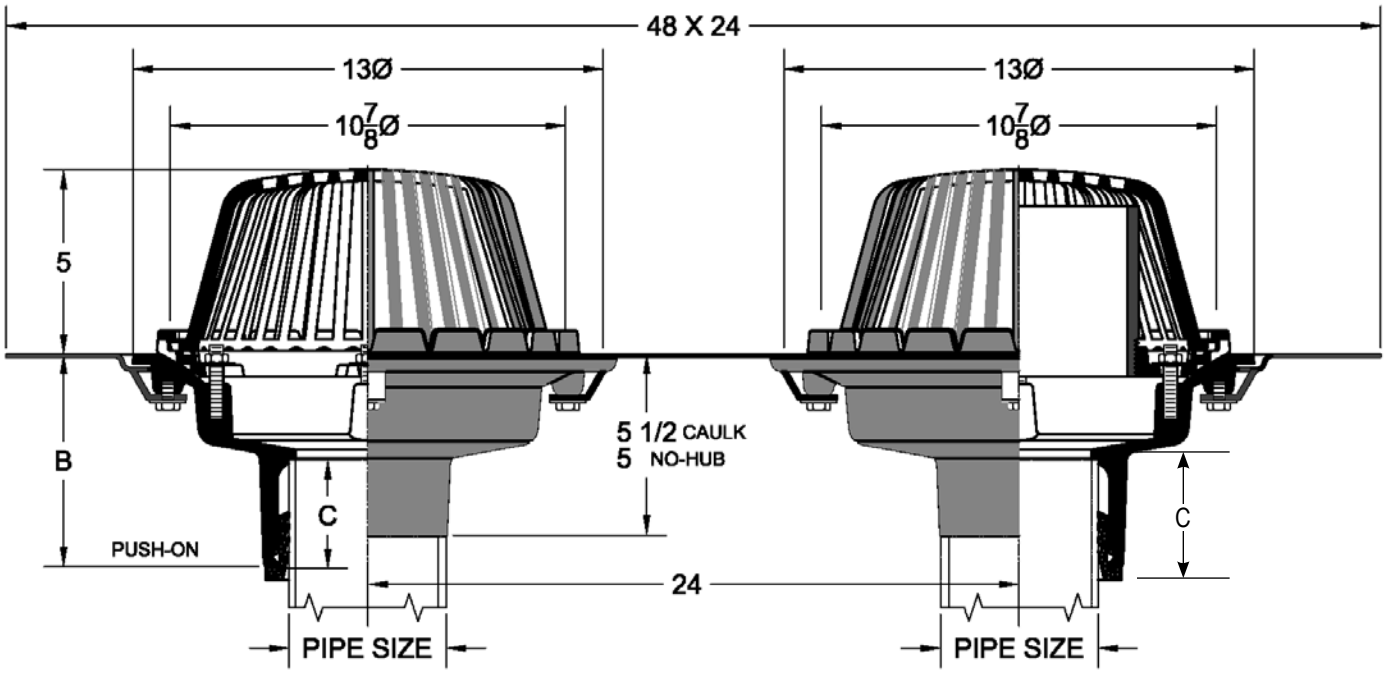
Regularly Furnished: Cast iron combination primary/overflow drain with flange, flashing ring, gravel stop, bearing pan, internal dam and locking dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 3,702.00
D	Dam (2" High) *		N/C
DFS	Perforated Stainless Steel Extension (1-4") *		2,113.00
	For Each Addition 1" (Add/In.)		206.00
DP	Perforated Stainless Steel Gravel Stop *		2,139.00
LGS	Less Gravel Stop		N/C
SO	90° Side Outlet Body (3NH,4NH,6NH) *		1,001.00
VP	Vandal Proof Top		341.00
39	Galvanized Cast Iron	(32)	2,614.00
		(42)	3,713.00
49	Bronze Mesh Over Dome		1,369.00
50	Stainless Steel Mesh Over Dome		1,369.00

ROOF DRAINS

3042	13" Diameter Combination Primary/Overflow Drain	Dome Free Area = 75.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4,5,6"	$ 3,203.00	$ 2,482.00	$ 2,957.00	$ 2,646.00	$ 2,892.00

Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	29.0	28.9	29.0	28.8	28.8

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 215.00

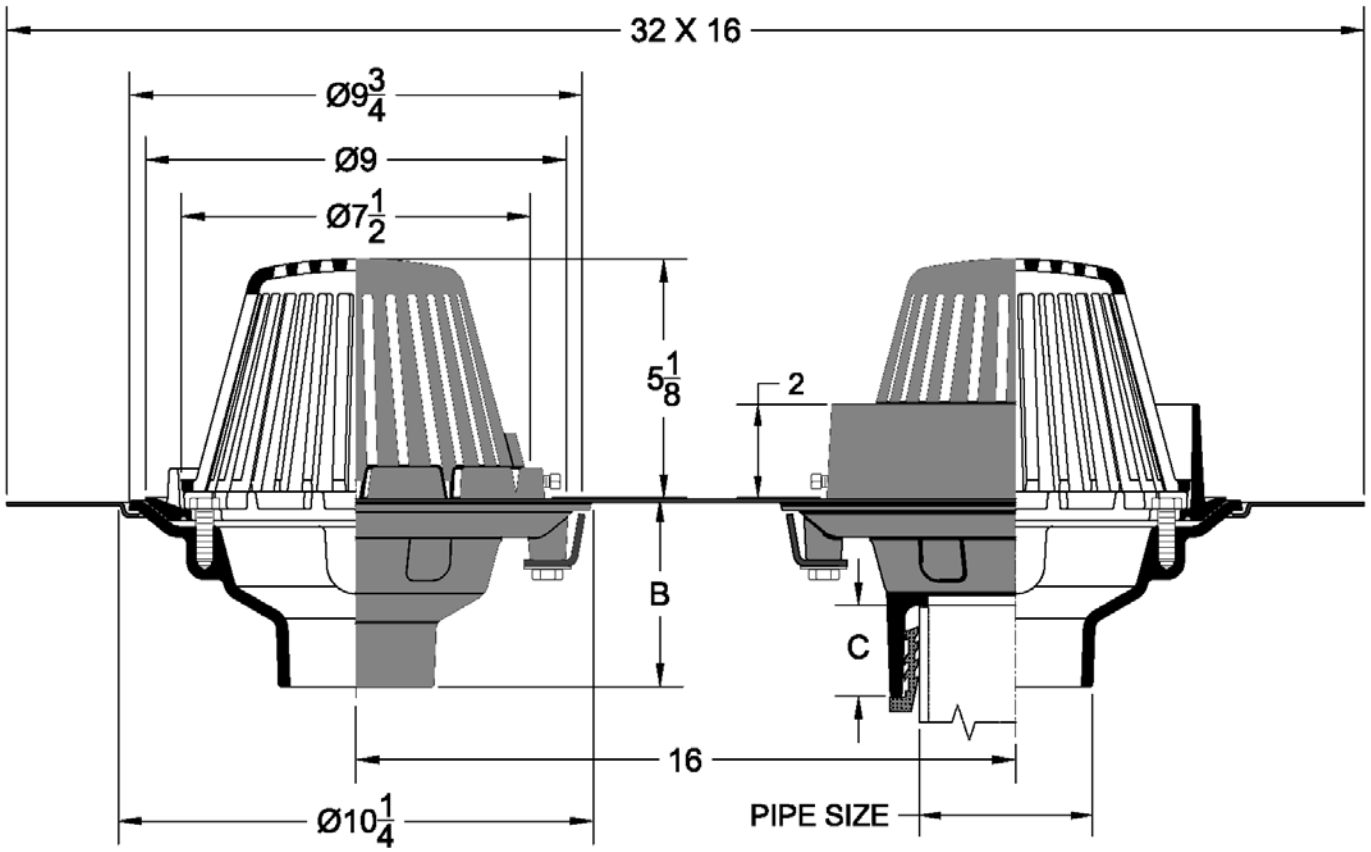
Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 941.00	$ 1,791.00

Regularly Furnished: Cast iron combination primary/overflow drain with flange, flashing ring, gravel stop, bearing pan, internal dam and locking dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (Armor Clad)		$ 2,777.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,708.00
	For Each Addition 1" (Add/In.)		193.00
DP	Perforated Stainless Steel Gravel Stop *		1,708.00
SO	90° Side Outlet Body (3IPS,3IPS,4IPS) *		432.00
VP	Vandal Proof Top		317.00
39	Galvanized Cast Iron	(32)	1,074.00
		(42)	1,385.00
48	Flush Grate in Lieu of Dome *		941.00
49	Bronze Mesh Over Dome		1,269.00
50	Stainless Steel Mesh Over Dome		1,269.00

3043 | 9-3/4" Diameter Combination Primary/Overflow Drain | Dome Free Area = 43.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 2,840.00	$ 2,129.00	$ 2,673.00	$ 2,381.00	$ 2,632.00
6"	3,347.00	2,637.00	3,181.00	2,889.00	3,140.00

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	16.0	16.4	16.5	17.0

Regularly Furnished: Cast iron combination primary/ overflow drain with flange, flashing ring, gravel stop, bearing pan, external dam and secured dome.

* *Dimensions vary from illustration*

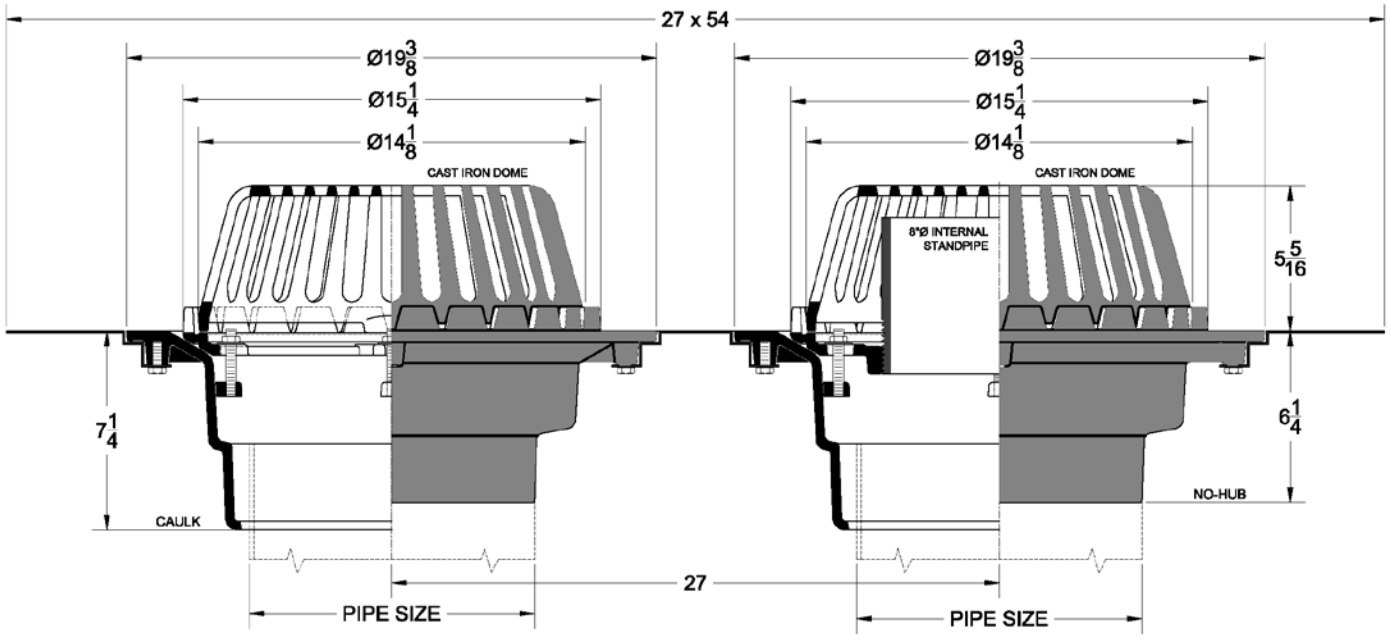
Dimensions (Inches)				
Outlet Style	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	2	N/A	N/A	N/A

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
No-Hub	6NH	$ 508.00
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 215.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (2")	$ 465.00	$ 890.00

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 2,085.00
DP	Perforated Stainless Steel Gravel Stop *		1,264.00
DFS	Perforated Stainless Steel Extension (1-4") *		1,264.00
	For Each Addition 1" (Add/In.)		193.00
SD	Adjustable Internal Overflow Dam *		491.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		503.00
VP	Vandal Proof Top		299.00
39	Galvanized Cast Iron	(32)	545.00
		(42)	837.00
49	Bronze Mesh Over Dome		958.00
50	Stainless Steel Mesh Over Dome		958.00

3044 | 19-3/8" Diameter Combination Primary/Overflow Drain | Dome Free Area = 193.0



Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix 40 Galv. C.I.	42 Cast Iron	46 Aluminum	Wt. Lbs.
8"	$ 9,804.00	$ 8,675.00	$ 9,344.00	58.0
10"	10,337.00	9,209.00	9,876.00	55.0
12"	10,740.00	9,612.00	10,280.00	60.0

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	8NH,10NH,12NH	N/C
Inside Caulk	8IC,10IC	N/C

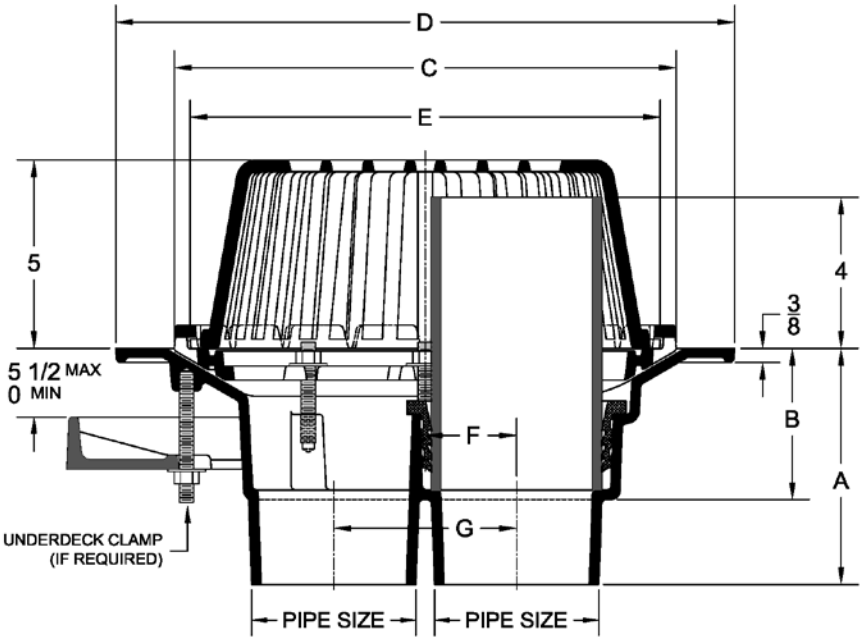
Optional Extensions & Drain Risers			
Suffix	Description	Add Painted	Add (39) Galv.
AE	Adjustable Drain Riser *	$ 3,548.00	$ 4,485.00
DF	Fixed Extension * (1",2",3" or 4") *	2,840.00	4,290.00

Regularly Furnished: Cast iron combination primary/overflow drain with flange, flashing ring, gravel stop, bearing pan, internal dam and loose set dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 5,101.00
DFS	Perforated Stainless Steel Extension (1-4") *		2,718.00
	For Each Addition 1" (Add/In.)		247.00
DP	Perforated Stainless Steel Gravel Stop *		2,688.00
VP	Vandal Proof Top		341.00
39	Galvanized Cast Iron	(42)	3,861.00
49	Bronze Mesh Over Dome		1,369.00
50	Stainless Steel Mesh Over Dome		1,369.00

3046 Dual Outlet Combination Primary/Overflow Drain





3046-42-3NH-281

Dimensions (In.)				
Pipe Size	A	B	C	D
3	5 3/4	3 1/2	16 3/8	12 3/8
4	5 3/4	3 1/2	16 3/8	12 3/8
6	6 1/4	3 1/2	19 3/8	16 1/2

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix 40 Galv. C.I.	42 Cast Iron	Dome Free Area (Sq.In.)
3"	$ 2,476.00	$ 2,006.00	103.8
4"	2,550.00	2,078.00	103.8
6"	3,975.00	3,502.00	193.0

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	3NH,4NH,6NH	N/C

Pipe Size	3"	4"	6"
Wt. Lbs.	59.0	59.8	63.5

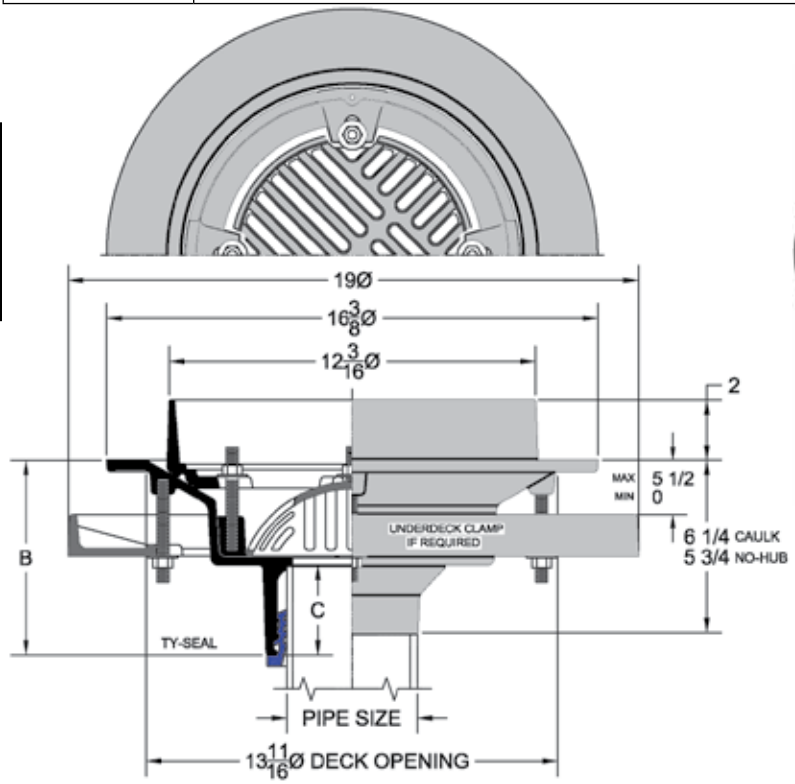
Optional Extensions & Drain Risers			
Suffix	Description	Add Painted	(39) Galv.
AE	Adjustable Drain Riser 3"- 4" *	$ 1,067.00	$ 1,531.00
	Adjustable Drain Riser 6" *	1,776.00	2,244.00
EB	Adjustable Drain Riser Pan 3" - 4" *	901.00	--
	Adjustable Drain Riser Pan 6" *	1,229.00	--

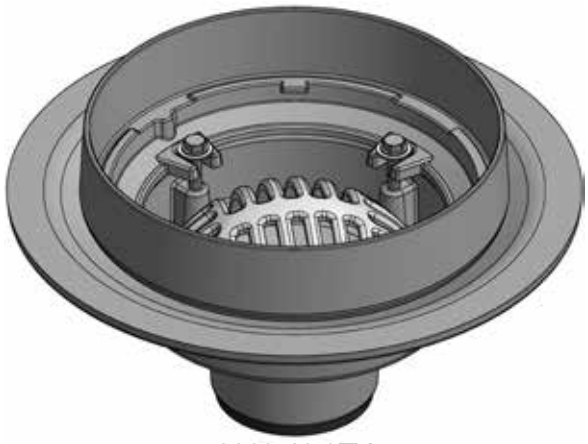
Regularly Furnished: Cast iron dual outlet combination primary/overflow drain with flange, flashing ring, gravel stop, plastic standpipe and locking dome.

** Dimensions vary from illustration*

Suffix Options			Add 3 -4"	Add 6"
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00	$ 2,551.00
DP	Perforated Stainless Steel Gravel Stop *		1,752.00	1,752.00
VP	Vandal Proof Top		170.00	170.00
39	Galvanized Cast Iron	(42)	1,307.00	1,943.00
49	Bronze Mesh Over Dome		686.00	686.00
50	Stainless Steel Mesh Over Dome		686.00	686.00
52	Bearing Pan (Sump Receiver) *		716.00	716.00
53	Under Deck Clamp *		499.00	499.00
158	Low Profile Dome		N/C	N/C
189	Bearing Pan w/ Securing Hardware *		597.00	1,048.00
281	Dual Dome Assembly		742.00	829.00

3061 | 16-3/8"" Diameter Roof Receptor Drain | Dome Free Area = 43.0





3063-46-3TY

Outlet (Pipe Size)	Painted Cast Iron Body
	46
	Aluminum
2,3,4"	$ 1,279.00
5,6"	1,695.00
8"	2,110.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	31.1	31.4	31.5	30.2	30.1	31.5

Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Dimensions (Inches)				
Pipe Size	**2"**	**3"**	**4"**	**6"**
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

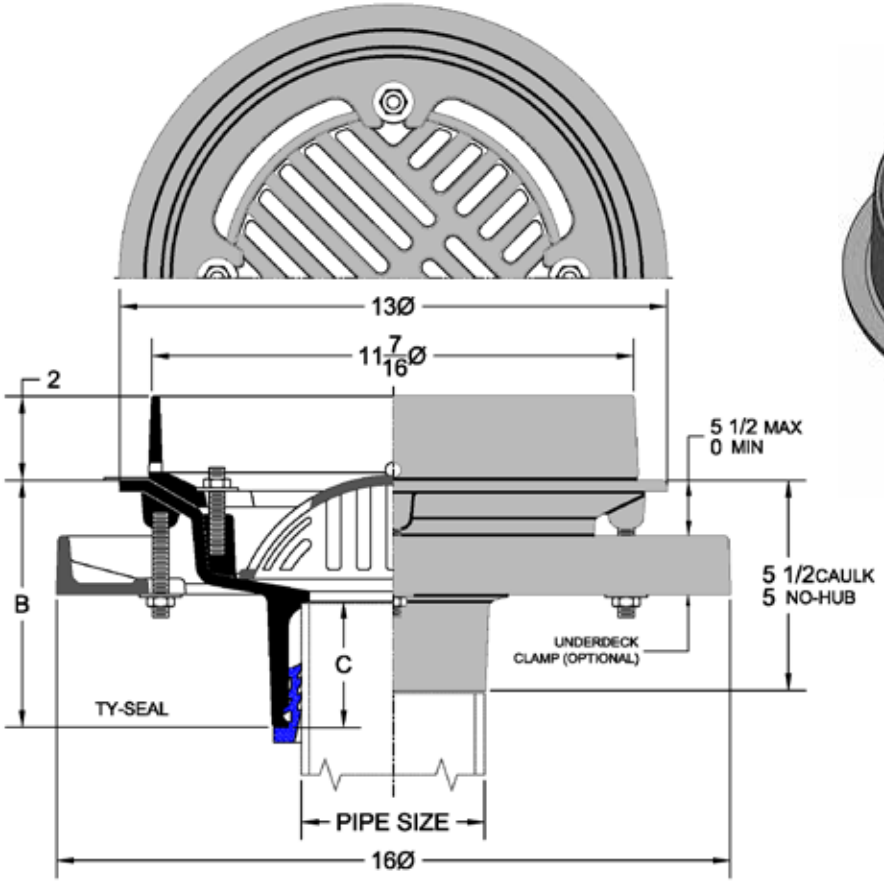
Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,360.00
EB	Adjustable Drain Riser Pan *	901.00	--

Regularly Furnished: Cast iron indirect waste drain with flange, 2" high dam & internal dome strainer.

* *Dimensions vary from illustration*

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
39	Galvanized Cast Iron	1,213.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

3062 | 13" Diameter Receptor Drain | Dome Free Area = 43.0





3062-46-3TY

Outlet (Pipe Size)	Painted Cast Iron Body with Aluminum
	46
	Aluminum
2,3,4"	$ 980.00
5,6"	980.00

Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	24.0	23.9	24.0	25.8	25.8

Regularly Furnished: Cast iron indirect waste drain with flange & 2" high dam internal dome strainer.

** Dimensions vary from illustration*

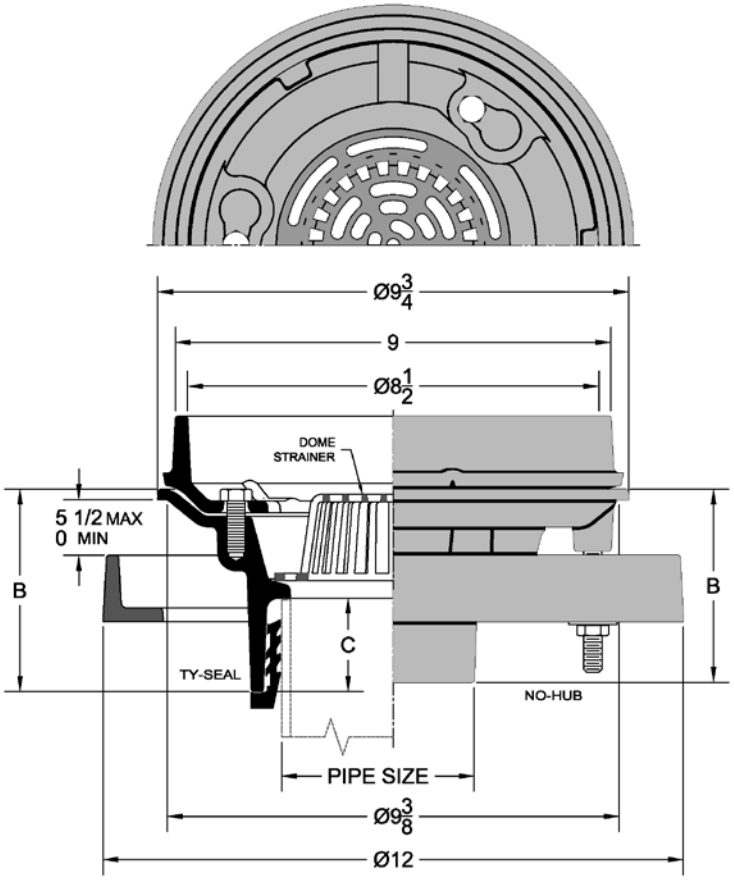
Dimensions (Inches) Push-On Outlets			
Pipe Size	**2"**	**3"**	**4"**
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

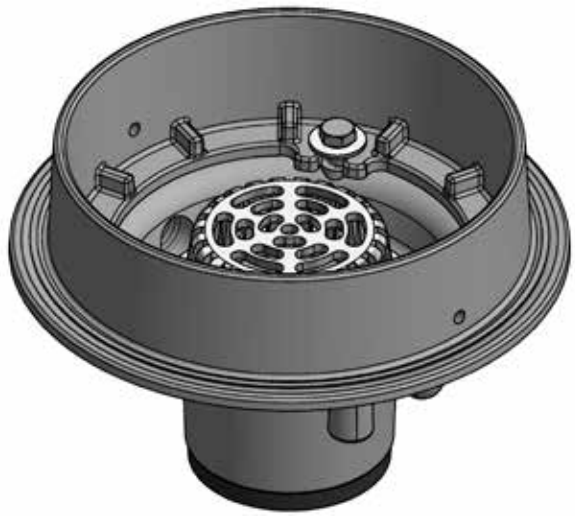
Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (ArmorClad)		$ 1,389.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		216.00
39	Galvanized Cast Iron	(42)	728.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
DF	Fixed Extension * (1",2",3" or 4") *	$ 901.00	$ 1,360.00
EB	Adjustable Drain Riser Pan *	688.00	--

3063 | 9-3/4" Diameter Receptor Drain | Dome Free Area = 15.0





3063-3-2TY

Outlet (Pipe Size)	Painted Cast Iron Body
	46
	Aluminum
2,3,4"	812.00
6"	1,063.00

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	16.0	16.4	16.5	17.0

Dimensions (Inches)				
Outlet Style	**No-Hub**	**Push-On**	**Inside Caulk**	**Threaded**
B	4	4-1/4	4-3/4	3-1/4
C	2	N/A	N/A	N/A

Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

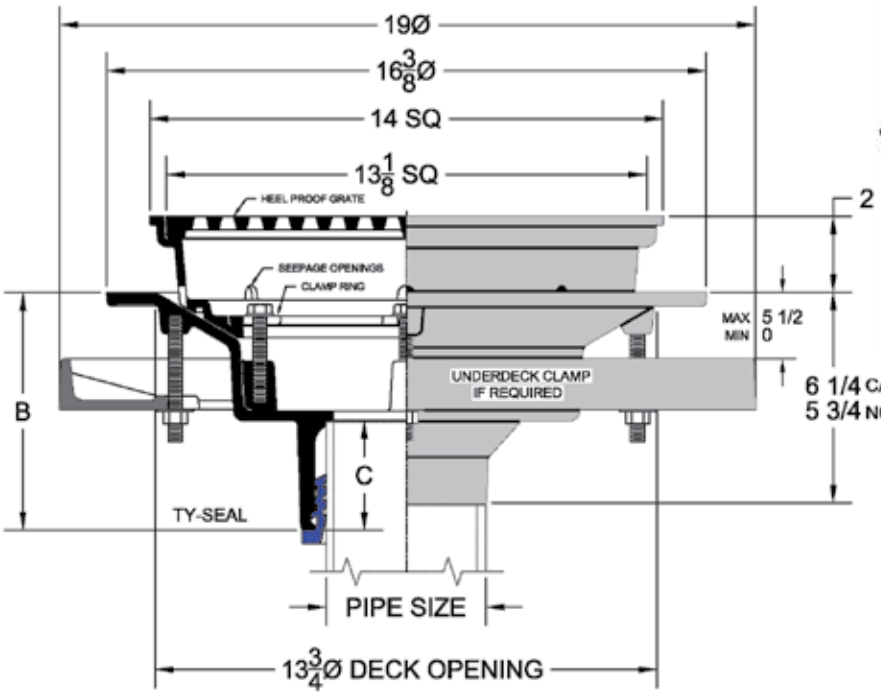
Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	---

Regularly Furnished: Cast iron indirect waste drain with flange & 2" high dam internal dome strainer.

** Dimensions vary from illustration*

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (ArmorClad)		$ 1,042.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *		251.00
39	Galvanized Cast Iron	(42)	269.00
52	Bearing Pan (Sump Receiver) *		353.00
53	Under Deck Clamp *		205.00
189	Bearing Pan w/ Securing Hardware *		464.00

3101 | 14" Square Promenade Deck Drain | Grate Free Area = 46.5





3101-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Top Option Suffix		
	1	12	85
	Nickel Bronze	Cast Iron	Stainless Steel
2,3,4"	$ 3,012.00	$ 1,641.00	$ 3,013.00
5,6"	3,396.00	2,034.00	3,428.00
8"	3,775.00	2,412.00	3,845.00

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,360.00
EB	Adjustable Drain Riser Pan *	901.00	--

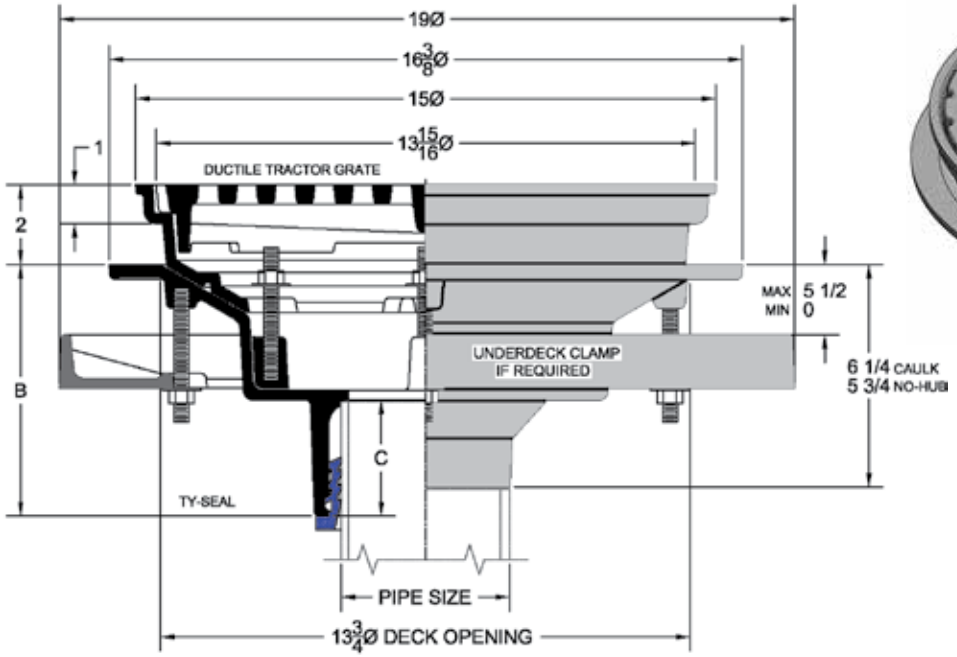
Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	49.1	48.4	49.5	48.2	48.1	52.2

Regularly Furnished: Cast iron deck drain with flange, flashing ring, gravel stop, & secured grate.
ASME Load Rating - Heavy Duty
* *Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
DFS	Perforated Stainless Steel Extension (1-4") *	1,058.00
	For Each Addition 1" (Add/In.)	107.00
E	Elastomeric Wide Flange Body *	1,961.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	200.00
WS	Wide Slot Grate (Free Area = 66.5 Sq.In.)	N/C
39	Galvanized Cast Iron	1,213.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

ROOF DRAINS

3105	15" Diameter Round Promenade Deck Drain	Grate Free Area = 63.6





3105-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with Top Option Suffix:		
	1	2	12
	Nickel Bronze	Satin Bronze	Cast Iron
2,3,4"	$ 5,685.00	$ 5,529.00	$ 2,161.00
5,6"	6,100.00	5,943.00	2,577.00
8"	6,514.00	6,359.00	2,992.00

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

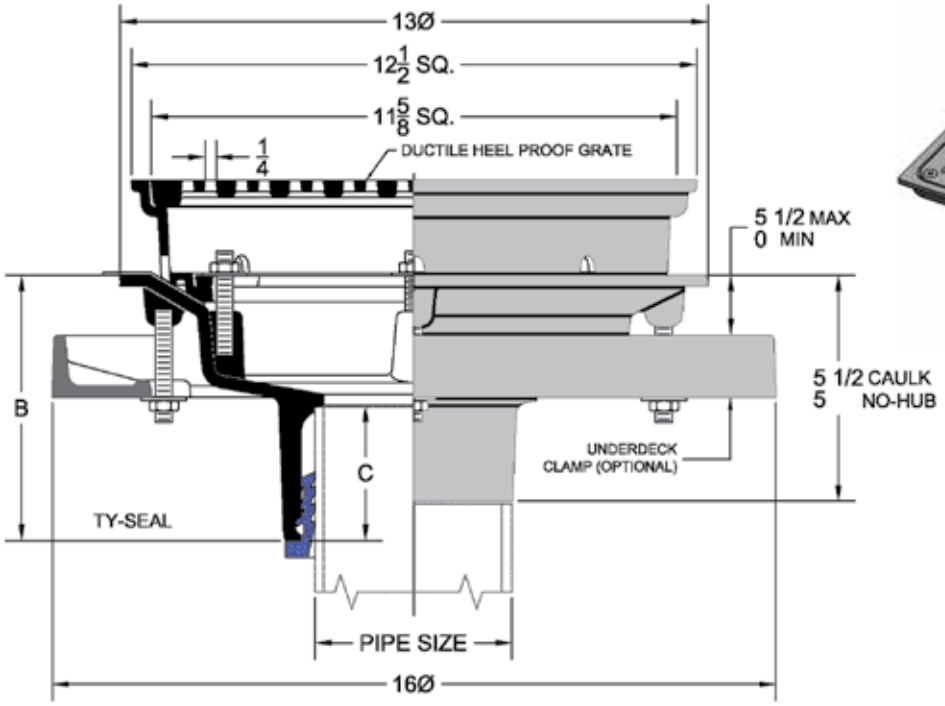
Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,360.00
EB	Adjustable Drain Riser Pan *	901.00	--

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

Regularly Furnished: Cast iron deck drain with flange, flashing ring, gravel stop, & secured grate.
ASME Load Rating - Special Duty
* *Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
DFS	Perforated Stainless Steel Extension (1-4") *	1,058.00
	For Each Addition 1" (Add/In.)	107.00
E	Elastomeric Wide Flange Body *	1,961.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	200.00
11	Heel Proof Grate (Free Area = 41.4 Sq.In.)	N/C
39	Galvanized Cast Iron	1,276.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

3111 | 12" Square Promenade Deck Drain | Grate Free Area = 40.8





3111-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with:	
	Top Option Suffix	
	1	12
	Nickel Bronze	Cast Iron
2,3,4,5,6"	$ 2,482.00	$ 1,474.00

Dimensions (Inches) Push-On Outlet			
Pipe Size	2"	3"	4"
B	5-1/2	5-1/2	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 901.00	$ 1,360.00
EB	Adjustable Drain Riser Pan *	688.00	N/A

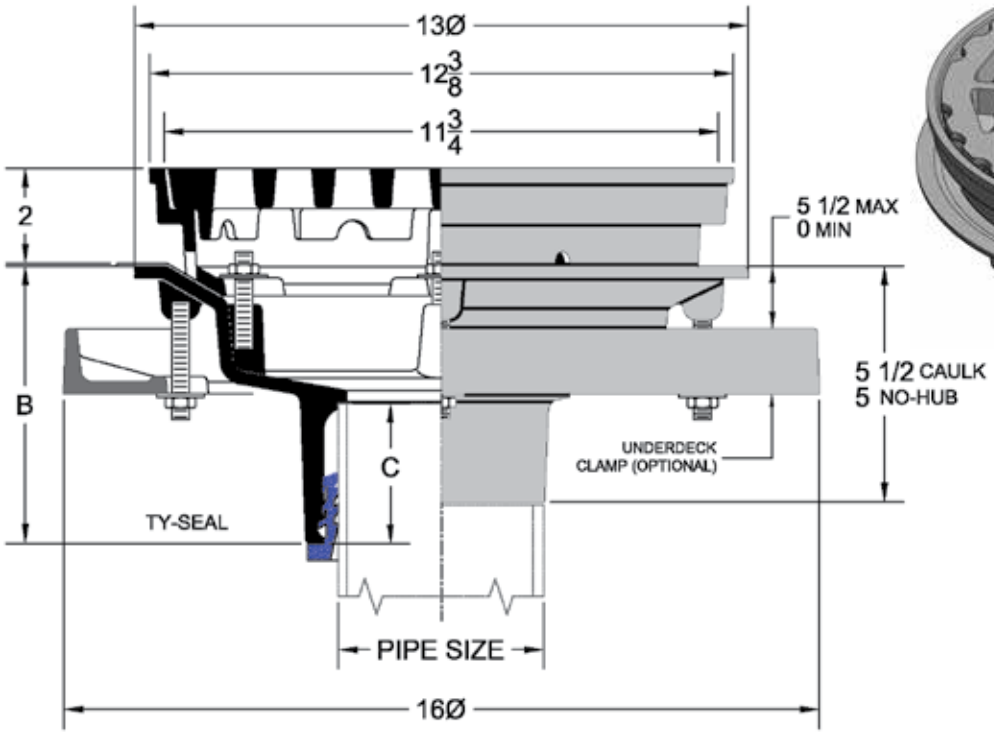
Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	36.5	36.4	36.5	36.0	36.3

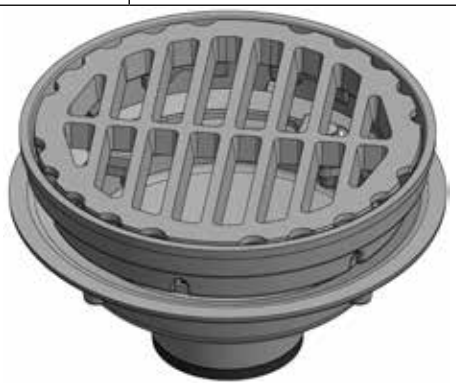
Regularly Furnished: Cast iron square promenade deck drain with flange, flashing ring, rotatable collar and heel proof grate. ASME Load Rating - Heavy Duty

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,389.00
DFS	Perforated Stainless Steel Extension (1-4") *	855.00
	For Each Addition 1" (Add/In.)	96.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	216.00
VP	Vandal Proof Top	159.00
WS	Wide Slot Grate (Free Area = 52.6 Sq.In.)	N/C
39	Galvanized Cast Iron	684.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3115 | 12" Diameter Round Promenade Deck Drain | Grate Free Area = 43.4





3115-12-4TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with:	
	Top Option Suffix	
	1	12
	Nickel Bronze	Cast Iron
2,3,4,5,6"	$ 2,482.00	$ 1,474.00

Dimensions (Inches) Push-On Outlet			
Pipe Size	2"	3"	4"
B	5-1/2	5-3/4	5-7/8
C	2-1/2	2-3/4	2-7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 901.00	$ 1,360.00
EB	Adjustable Drain Riser Pan *	688.00	--

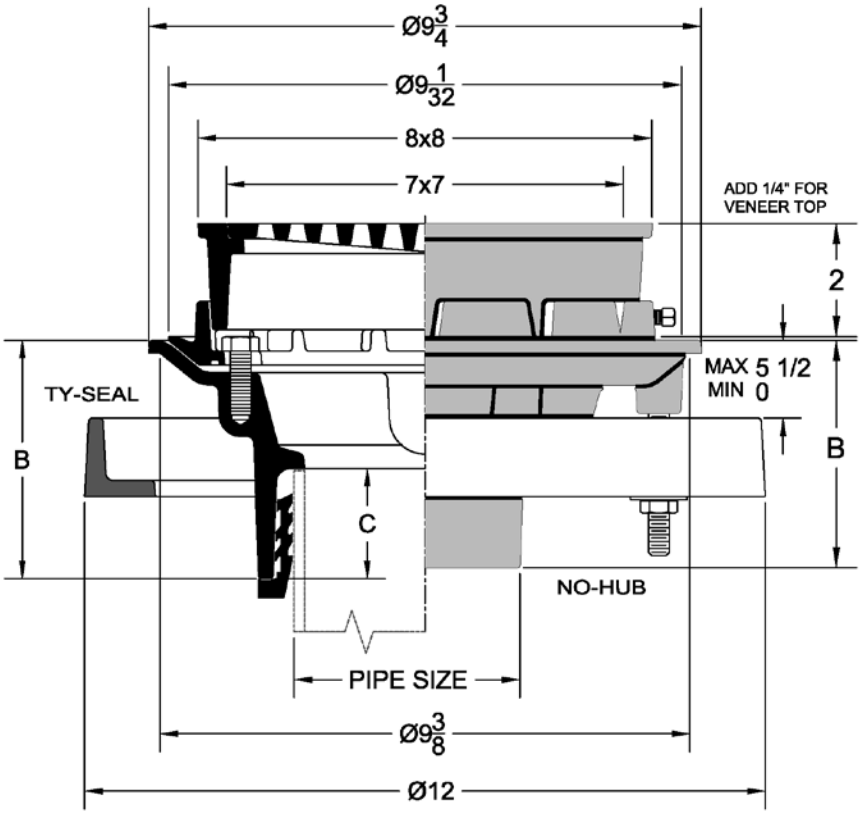
Pipe Size	2"	3"	4"	5"	6"
Wt. Lbs.	36.5	36.4	36.5	36.0	36.3

Regularly Furnished: Cast iron round promenade deck drain drain with flange, flashing ring, collar and wide slot grate.

ASME Load Rating - Special Duty
* *Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,389.00
DFS	Perforated Stainless Steel Extension (1-4") *	855.00
	For Each Addition 1" (Add/In.)	96.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	216.00
VP	Vandal Proof Top	200.00
11	Heel Proof Grate (Free Area = 24.7 Sq.In.)	N/C
39	Galvanized Cast Iron	684.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3121 | 8" Square Promenade Deck Drain | Grate Free Area = 14.8





3121-12-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with:	
	Dome Option Suffix	
	1	12
	Nickel Bronze	Cast Iron
2,3,4"	$ 1,707.00	$ 1,121.00
6"	1,961.00	1,374.00
ASME Load Rating	Light Duty	Heavy Duty

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	17.0	17.0	17.0	22.2

Regularly Furnished: Cast iron square promenade deck drain with flange, flashing ring, gravel stop and secured heel proof grate.

** Dimensions vary from illustration*

Dimensions (Inches) Push-On Outlet				
Outlee Type	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	•	2	•	•

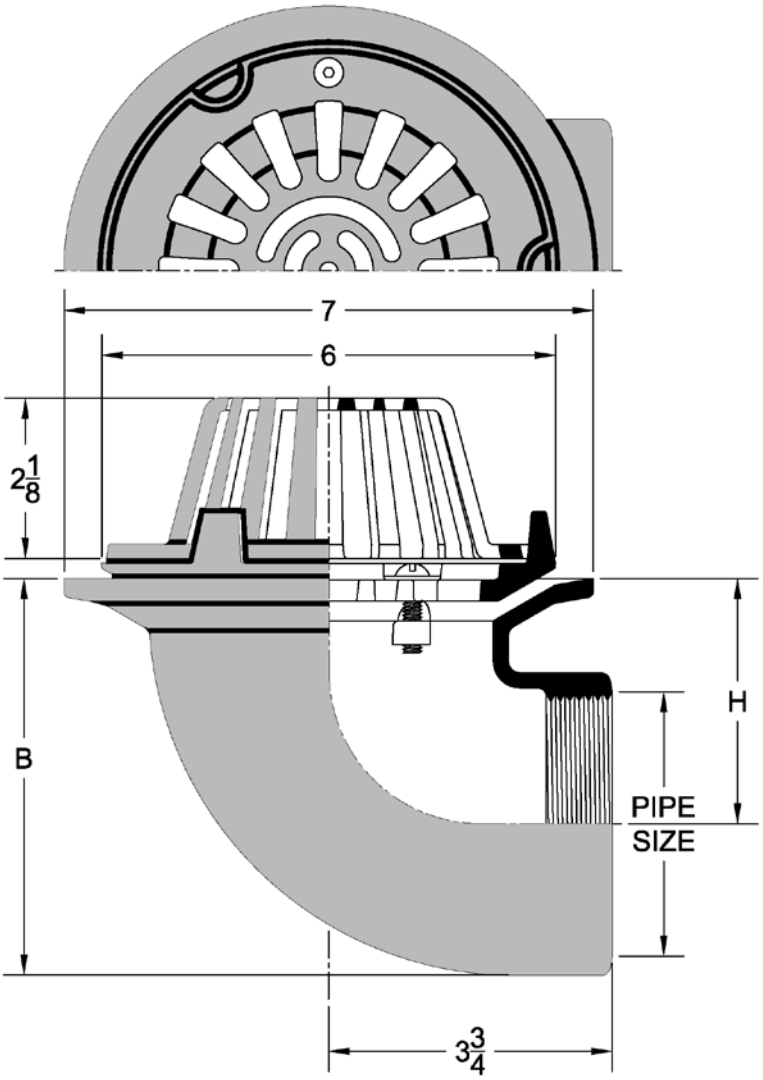
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	--

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,042.00
DFS	Perforated Stainless Steel Extension (1-4") *	632.00
	For Each Addition 1" (Add/In.)	111.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	251.00
VP	Vandal Proof Top	200.00
8	Secondary Flat Strainer	135.00
39	Galvanized Cast Iron	372.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

ROOF DRAINS

3230	Cornice / Balcony Drain	Dome Free Area = 11.3





3230-1-3IPS

Outlet (Pipe Size)	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 1 Nickel Bronze	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 3 Satin Bronze	Wt. Lbs.
2,3,4"	$ 1,335.00	$ 1,039.00	15.0

Dimensions (Inches)		
Pipe Size	B	H
2"	4	2-1/2
3"	5-1/4	3-1/4
4"	6-1/4	3-3/4

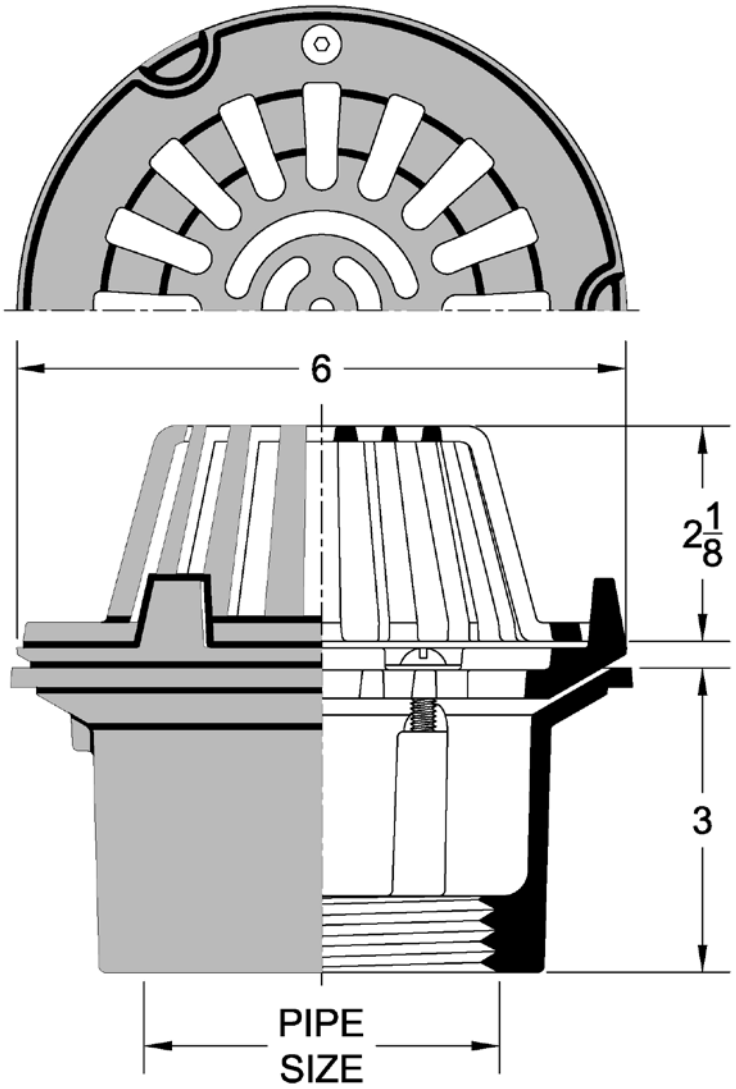
Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS	N/C

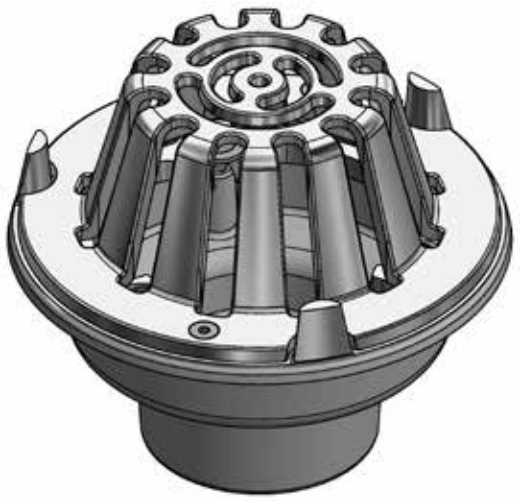
Regularly Furnished: Cast iron cornice / balcony drain with flange, flashing ring, and low profile dome.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top		$ 76.00
39	Galvanized Cast Iron		228.00
47	High Dome (Free Area = 24.5 Sq.In.)	-1	147.00
		-2	135.00
		-3	115.00
48	Flush Grate in Lieu of Dome *		N/C
50	Stainless Steel Mesh Over Dome		720.00

3240 | Cornice / Balcony Drain | Dome Free Area = 11.3





3240-1-2IPS

Outlet (Pipe Size)	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix		Wt. Lbs.
	1 Nickel Bronze	3 Satin Bronze	
2"	$ 1,278.00	$ 1,002.00	8.0
3”	1,359.00	1,082.00	8.0
4”	1,788.00	1,514.00	8.0

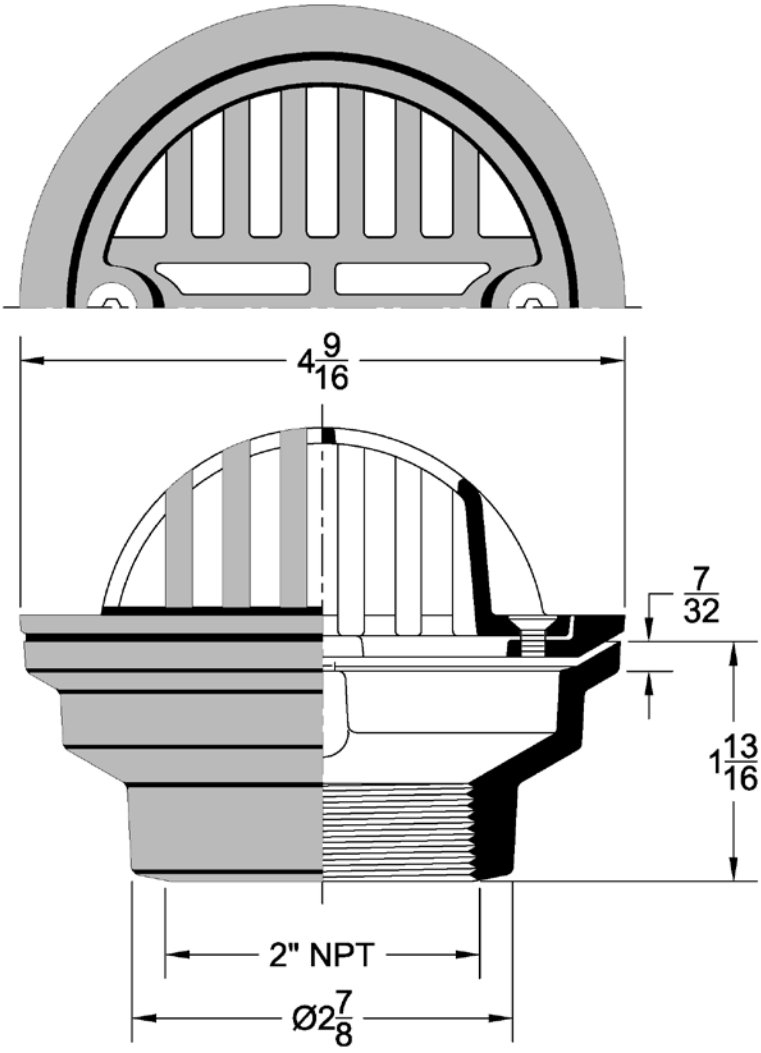
Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS	N/C

Regularly Furnished: Cast iron cornice / balcony drain with flange, flashing ring, and low profile dome.

* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top		$ 76.00
39	Galvanized Cast Iron		228.00
47	High Dome (Free Area = 24.5 Sq.In.)	-1	147.00
		-2	135.00
		-3	115.00
48	Flush Grate in Lieu of Dome *		N/C
50	Stainless Steel Mesh Over Dome		720.00

3241 | Cornice / Balcony Drain | Dome Free Area = 4.5





3241-1-2IPS

Outlet (Pipe Size)	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 1 Nickel Bronze	Painted Cast Iron Body with: Dome / Flashing Ring Option Suffix 3 Satin Bronze	Wt. Lbs.
2"	$ 901.00	$ 603.00	2.0

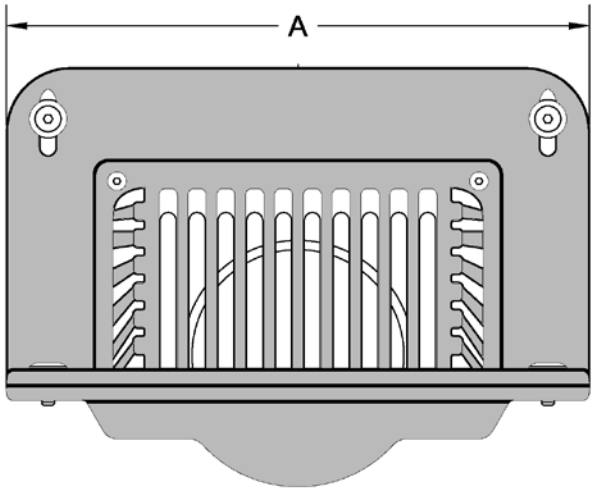
Regularly Furnished: Cast iron cornice / balcony drain with flange, flashing ring, and low profile dome.

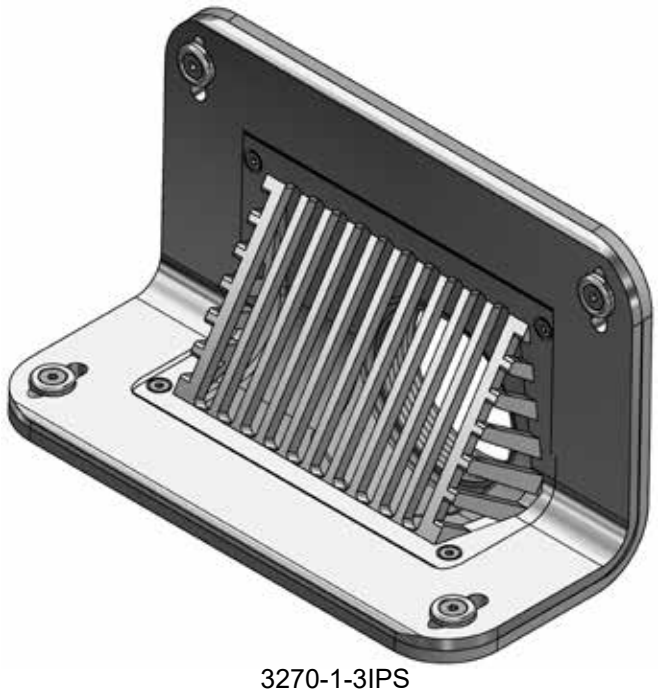
** Dimensions vary from illustration*

Suffix Options		
Suffix	**Description**	**Add**
VP	Vandal Proof Top	$ 76.00
39	Galvanized Cast Iron	228.00
50	Stainless Steel Mesh Over Dome	720.00

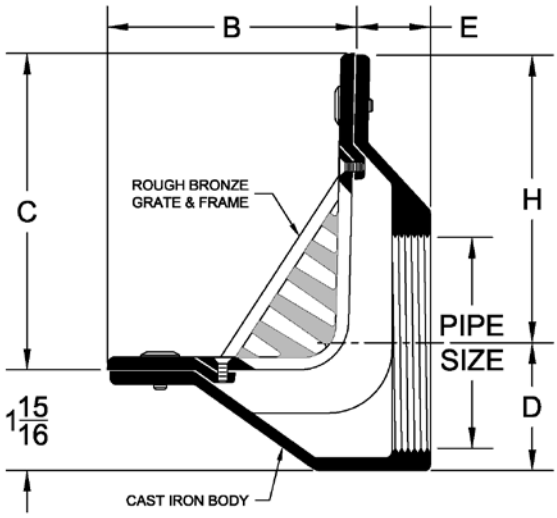
Outlet Variations		
Type	**Designation Suffix**	**Add**
Threaded	2IPS	N/C

3270 Scupper / Parapet Drain





3270-1-3IPS



Outlet Size	Painted Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	2 Satin Bronze	42 Cast Iron	46 Aluminum	Grate Free Area (Sq.In.)
2,3,4"	$ 2,221.00	$ 1,876.00	$ 843.00	$ 958.00	31.0
5,6,8"	3,012.00	2,671.00	1,638.00	1,755.00	72.0

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	H
2"	11-3/8	4-11/16	6-3/16	1-1/2	1-3/4	6-11/16
3"	11-3/8	4-11/16	6-3/16	2-1/16	1-3/4	6-11/16
4"	11-3/8	4-11/16	6-3/16	2-9/16	1-3/4	6-11/16
5"	13-1/2	8-3/8	8-3/8	3-3/16	3-9/16	7-13/16
6"	13-1/2	8-3/8	8-3/8	3-11/16	3-9/16	7-13/16
8"	13-1/2	8-3/8	8-3/8	5	4	8-13/16

Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C

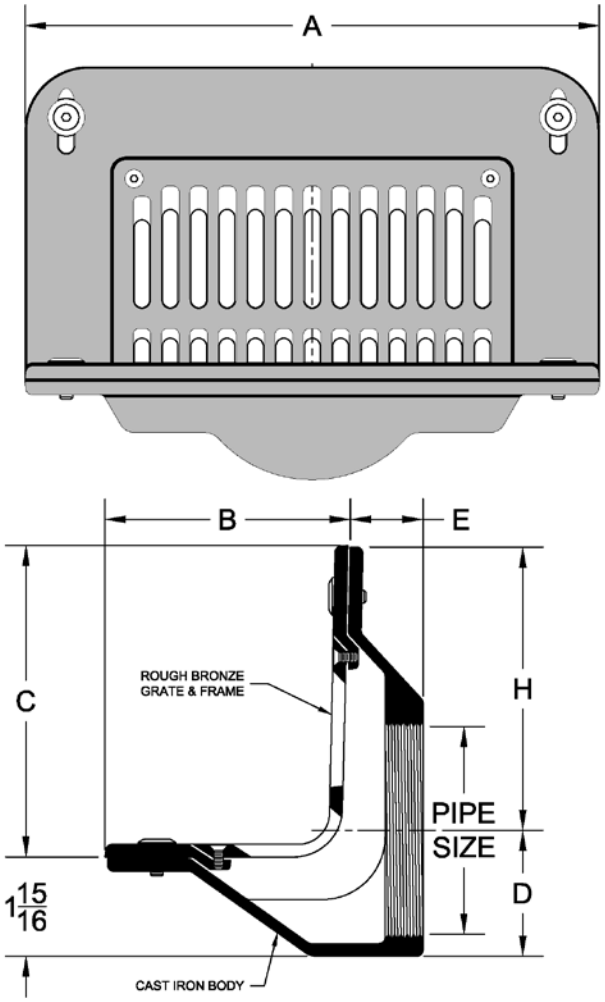
Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	19.0	17.0	17.0	28.0	28.0	33.0

Regularly Furnished: Cast iron scupper / parapet drain with flange, flashing ring and oblique grate.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
DSA	Downspout Adapter *	2,3,4"	$ 468.00
		5,6,8"	765.00
VP	Vandal Proof Top Assembly		78.00
39	Galvanized Cast Iron	2,3,4"	329.00
		5,6,8"	654.00
45O	45 Degree Side Outlet *	2,3,4"	N/C
		5,6,8"	N/A
49	Bronze Mesh Over Grate		725.00
50	Stainless Steel Mesh Over Grate		725.00

3290 Scupper / Parapet Drain





3290-1-3IPS

Outlet Size	Painted Cast Iron Body with: Top Option Suffix				Grate Free Area (Sq.In.)
	1	2	42	46	
	Nickel Bronze	Satin Bronze	Cast Iron	Aluminum	
2,3,4"	$ 2,281.00	$ 1,967.00	$ 902.00	$ 1,021.00	20.5
5,6,8"	3,078.00	2,763.00	1,697.00	1,818.00	34.5

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	H
2"	11-3/8	4-11/16	6-3/16	1-1/2	1-3/4	6-11/16
3"	11-3/8	4-11/16	6-3/16	2-1/16	1-3/4	6-11/16
4"	11-3/8	4-11/16	6-3/16	2-9/16	1-3/4	6-11/16
5"	13-1/2	8-3/8	8-3/8	3-3/16	3-9/16	7-13/16
6"	13-1/2	8-3/8	8-3/8	3-11/16	3-9/16	7-13/16
8"	13-1/2	8-3/8	8-3/8	5	4	8-13/16

Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	19.0	17.0	17.0	28.0	28.0	33.0

Regularly Furnished: Cast iron scupper / parapet drain with flange, flashing ring and flat grate.

* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
DSA	Downspout Adapter *	2,3,4"	$ 468.00
		5,6,8"	765.00
VP	Vandal Proof Top Assembly		78.00
39	Galvanized Cast Iron	2,3,4"	329.00
		5,6,8"	654.00
45O	45 Degree Side Outlet *	2,3,4"	N/C
		5,6,8"	N/A
49	Bronze Mesh Over Grate		725.00
50	Stainless Steel Mesh Over Grate		720.00

Green Roof Drains

A green roof or living roof is a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane. They may also include additional layers such as a root barrier and drainage and irrigations systems. Rooftop ponds are another form of green roofs which are used to treat greywater.

Green roofs serve several purposes for a building, such as absorbing rain water, providing insulation, creating a habitat for wildlife, providing a more aesthetically pleasing landscape, and helping to lower urban air temperatures and mitigate the heat island effect. They effectively utilize the natural functions of plants to filter water and treat air in urban and suburban landscapes. There are two types of green roof:

Extensive green roof systems are typically comprised of grasses and vegetation requiring minimum maintenance. These systems usually have a soil depth of approximately 6" and an overall buildup of 12" or less above the structural roof and are lighter than intensive green roofs, and require less maintenance.

Intensive green roofs have a much deeper soil depth and may include shrubs, trees and other decorative plants. Drainage is a critical aspect of green roof design and construction. Excessive accumulation of water in green roof areas can add excessive weight to the roof structure, potentially creating a hazardous condition. Wade provides many solutions for the green roof builder to accommodate the various systems.

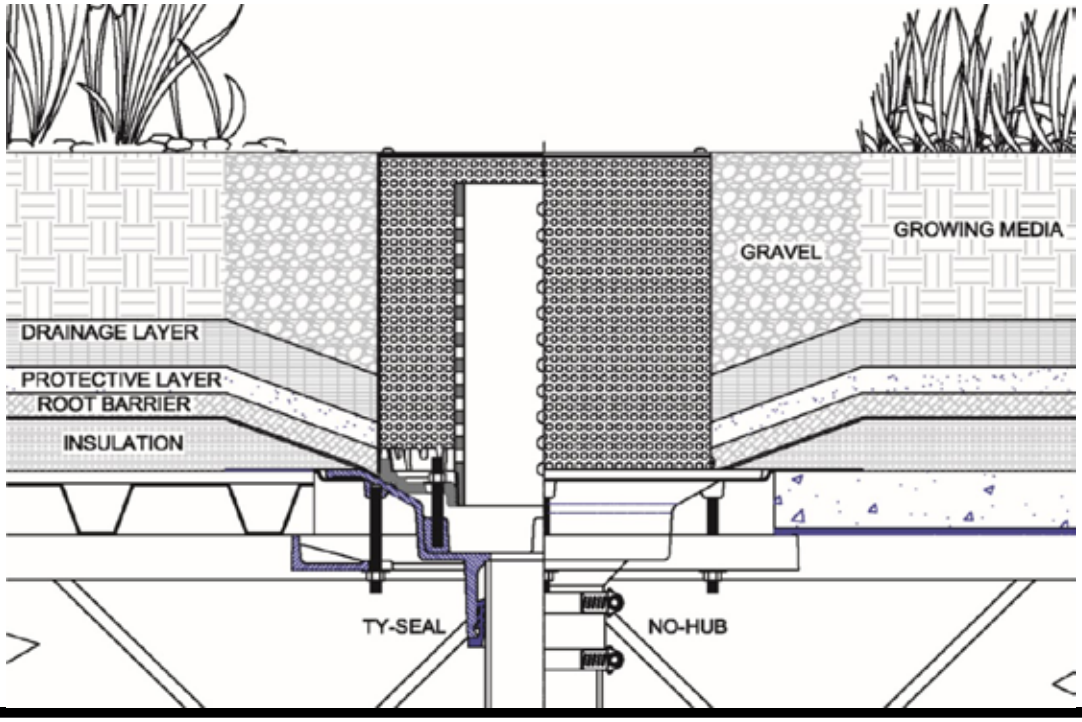
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3352 Intensive Area Drain

Shown with optional bearing pan and underdeck clamp.
Typical installation over structural deck.

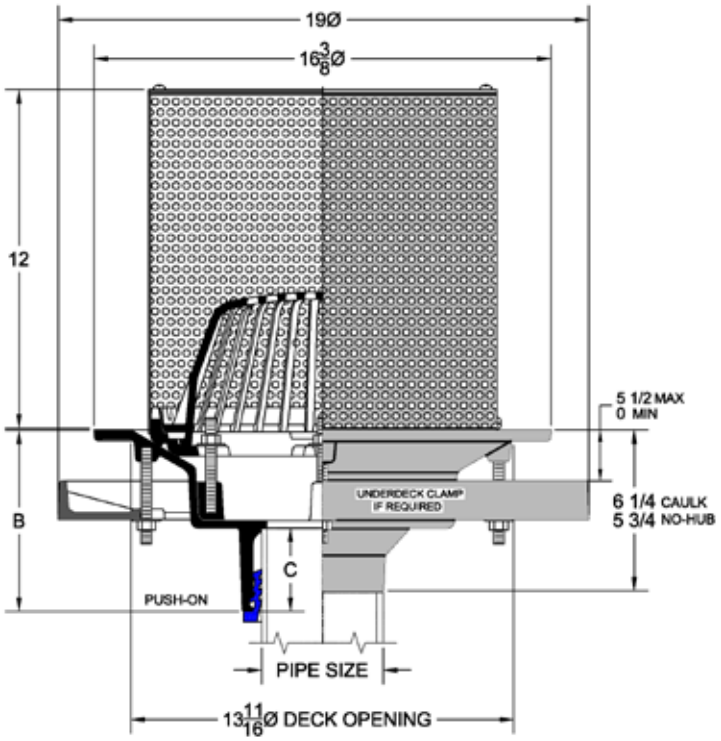
- Drain is set into deck, recessed with bearing pan and secured with underdeck clamp.
- Insulation installed—tapered to drain.
- Waterproofing membrane is applied and secured with the flashing ring.
- Root Barrier, protective layer, drainage layer and filter sheet applied.
- Growing Media and gravel base applied.

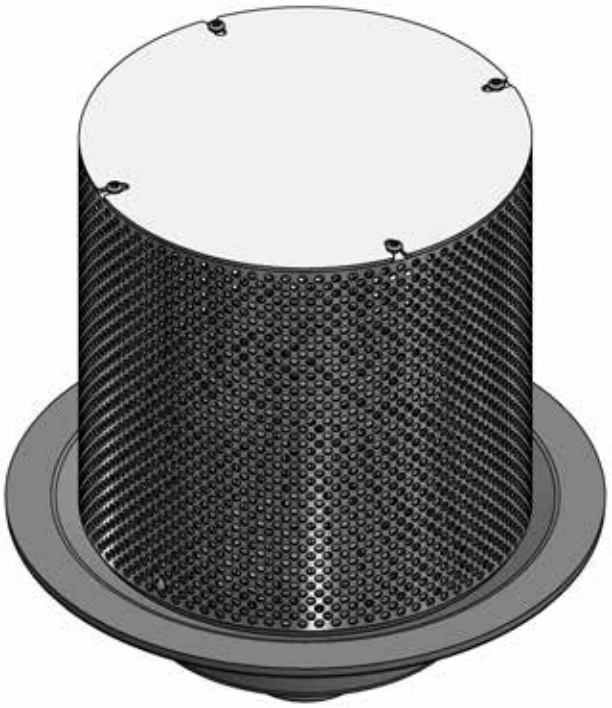


WADE

ROOF DRAINS

3350	16-3/8" Diameter Primary Planting Area Green Roof Drain	Dome Free Area = 113.5





3350-32-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,596.00	$ 3,469.00	$ 4,053.00	$ 3,761.00	$ 3,801.00
5,6"	5,011.00	3,883.00	4,470.00	4,176.00	4,218.00
8"	5,427.00	4,299.00	4,886.00	4,591.00	4,633.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & mushroom locking dome.

** Dimensions vary from illustration*

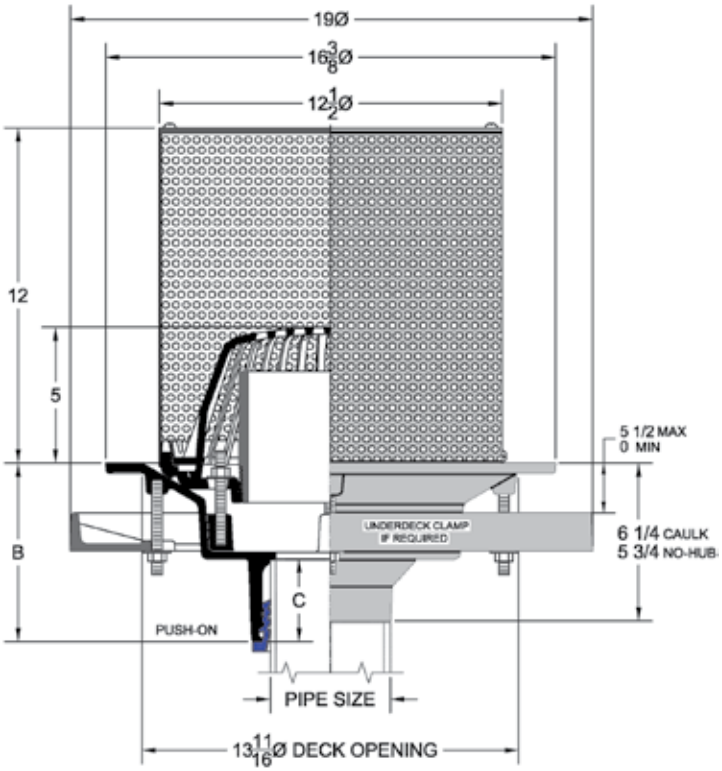
Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

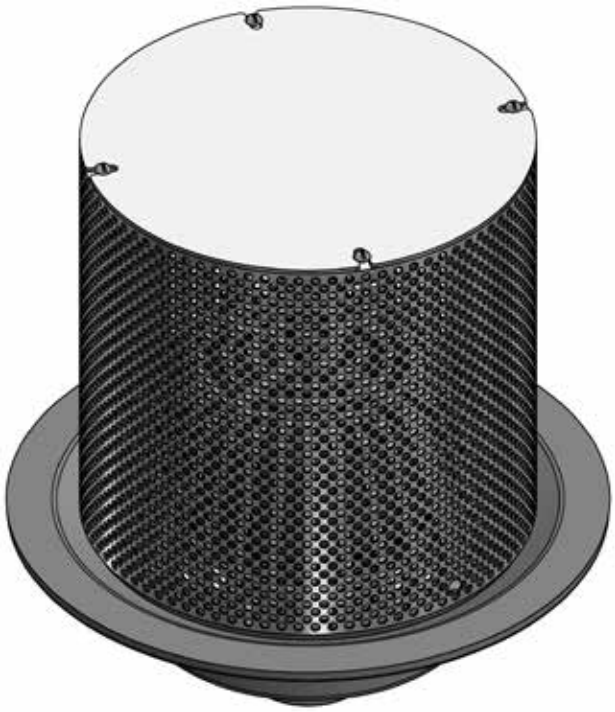
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3351 | 16-3/8" Diameter Overflow Planting Area Green Roof Drain





3353-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 5,130.00	$ 3,999.00	$ 4,585.00	$ 4,294.00	$ 4,336.00
5,6"	5,548.00	4,417.00	5,003.00	4,709.00	4,753.00
8"	5,960.00	4,830.00	5,417.00	5,124.00	5,168.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & mushroom locking dome.

** Dimensions vary from illustration*

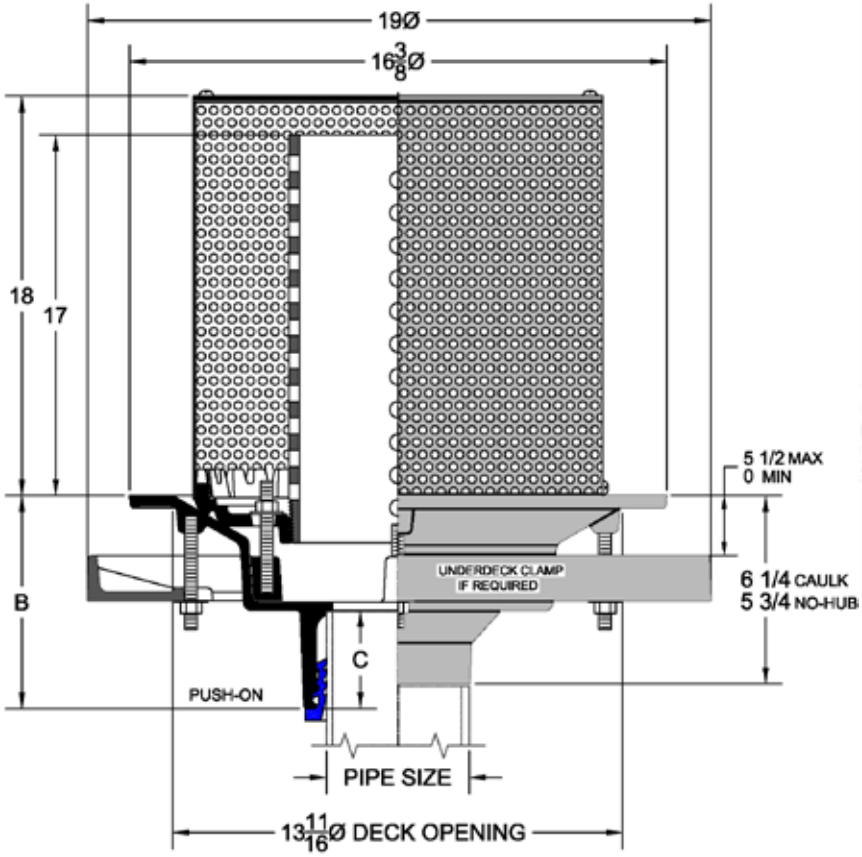
Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3352 — 16-3/8" Diameter Intensive Planting Area Green Roof Drain with Perforated Standpipe





3352-3NH

Outlet (Pipe Size)	Regularly Furnished
2,3,4"	$ 3,500.00
5,6"	3,917.00
8"	4,330.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	38.1	37.4	38.5	37.2	37.1	38.5

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, perforated standpipe, stainless steel perforated extension, solid secured cover & bottom outlet.

** Dimensions vary from illustration*

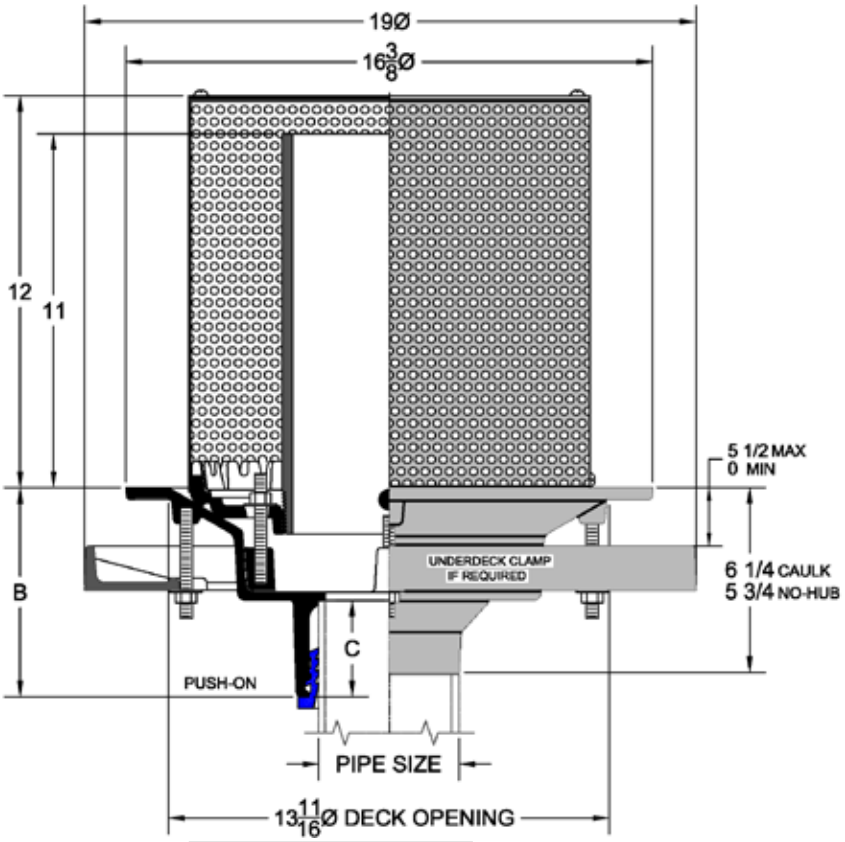
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

3353

16-3/8" Diameter Intensive Planting Area Green Roof Drain with Control Flow Orifice





3353-3NH

Outlet (Pipe Size)	Regularly Furnished
2,3,4"	$ 3,261.00
5,6"	3,678.00
8"	4,092.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	38.1	37.4	38.5	37.2	37.1	38.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, plastic standpipe with control flow orifice, stainless steel perforated extension, solid secured cover & bottom outlet.

** Dimensions vary from illustration*

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

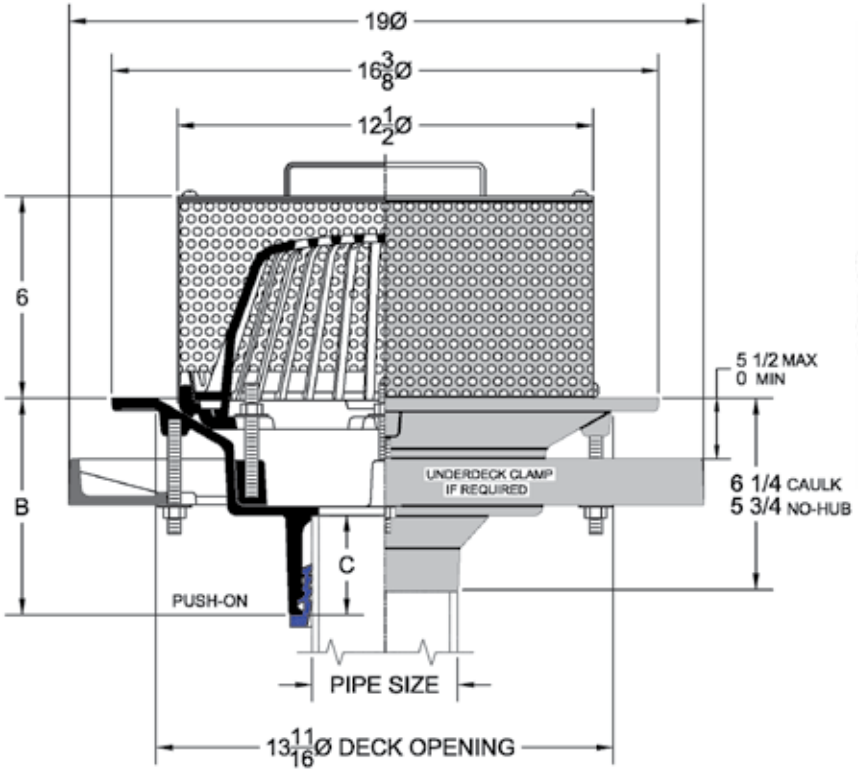
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

ROOF DRAINS

3354	16-3/8" Diameter Extensive Planting Area Green Roof Drain	Dome Free Area = 113.5





3350-32-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,676.00	$ 3,549.00	$ 4,255.00	$ 3,842.00	$ 3,882.00
5,6"	5,093.00	3,966.00	4,672.00	4,257.00	4,299.00
8"	5,509.00	4,380.00	5,086.00	4,673.00	4,717.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & mushroom locking dome.

** Dimensions vary from illustration*

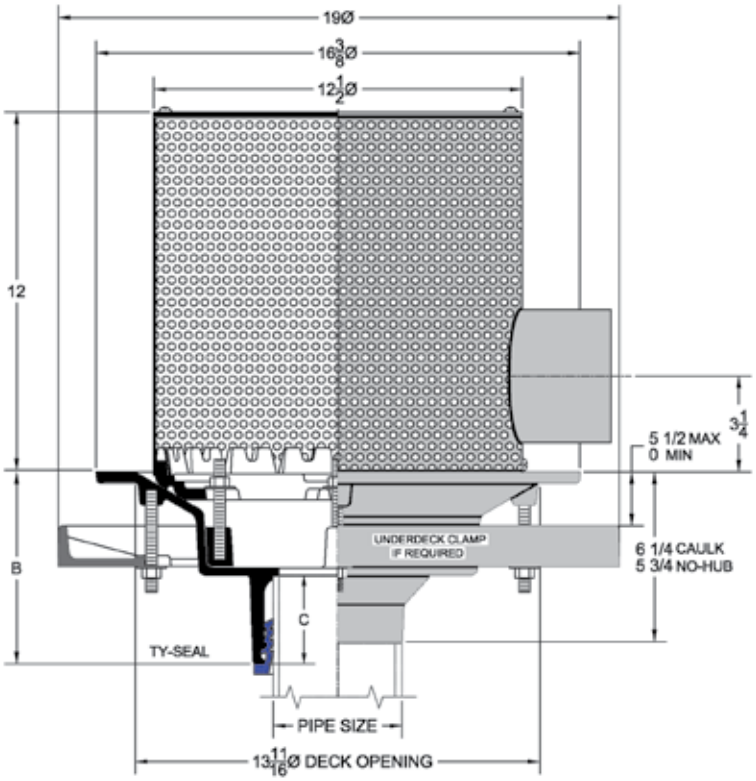
Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

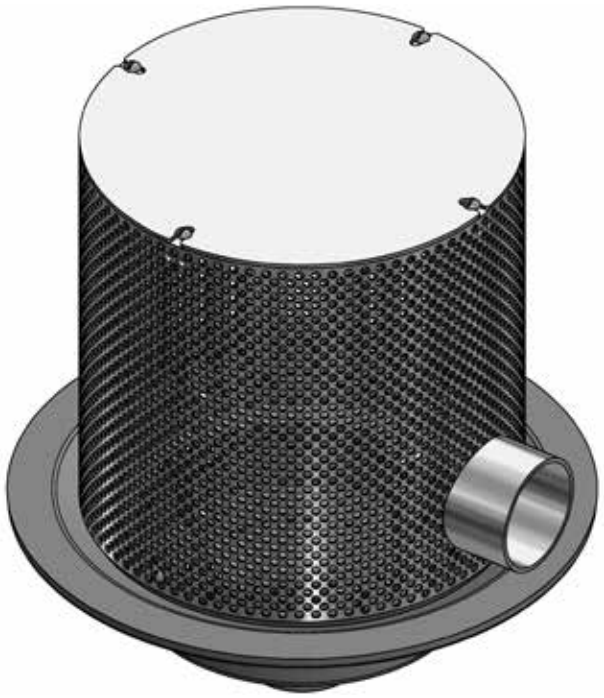
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	Description		Add
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	1,307.00
		(42)	1,858.00
48	Flush Grate in Lieu of Dome *		935.00
49	Bronze Mesh Over Dome		511.00
50	Stainless Steel Mesh Over Dome		686.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3355 | 16-3/8" Diameter Planting Area Green Roof Drain with Auxiliary Inlet





3355-3NH-2AI

▲ Auxiliary Inlet Size cannot exceed outlet size.

Outlet (Pipe Size)	Auxiliary Inlet Size ▲	Regularly Furnished
2,3,4"	2,3,4"	$ 5,345.00
5,6"	2,3,4,5,6"	5,761.00
8"	2,3,4,5,6"	6,177.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	39.1	38.4	39.5	38.2	38.1	39.5

Dimensions (Inches)				
Pipe Size	**2"**	**3"**	**4"**	**6"**
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, solid secured cover & auxiliary side inlet.

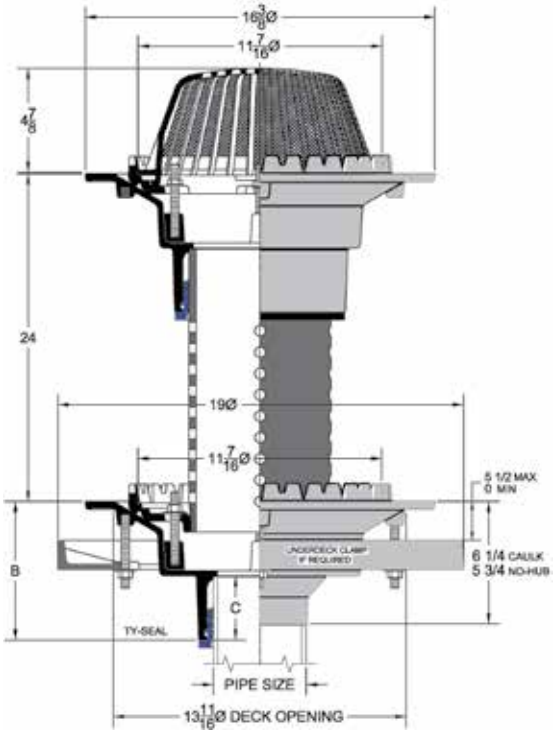
** Dimensions vary from illustration*

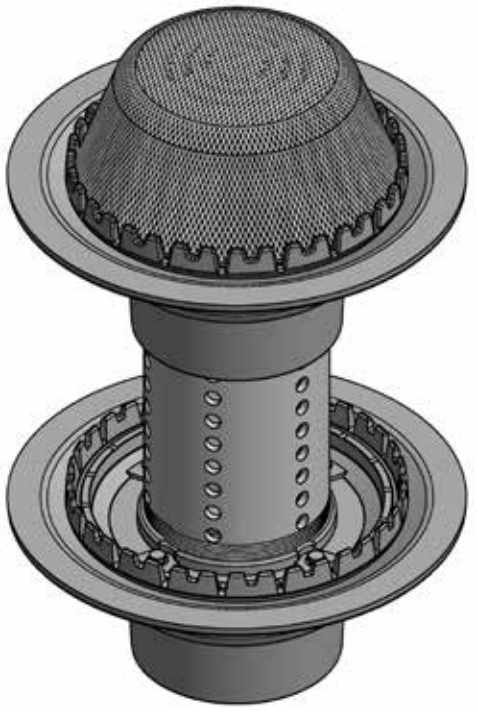
Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
E	Elastomeric Wide Flange Body *	1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	170.00
39	Galvanized Cast Iron	1,307.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

3356 | 16-3/8" Diameter Multi-Level Planting Area Green Roof Drain | Dome Free Area = 113.5





3356-32-6NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 4,952.00	$ 3,824.00	$ 4,413.00	$ 4,118.00	$ 4,161.00
5,6"	5,367.00	4,240.00	4,829.00	4,534.00	4,576.00
8"	5,784.00	4,656.00	5,245.00	4,948.00	4,991.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	72.2	70.8	73.0	70.4	70.2	73.0

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, plastic perforated standpipe, stainless steel meshed lined mushroom locking dome.

** Dimensions vary from illustration*

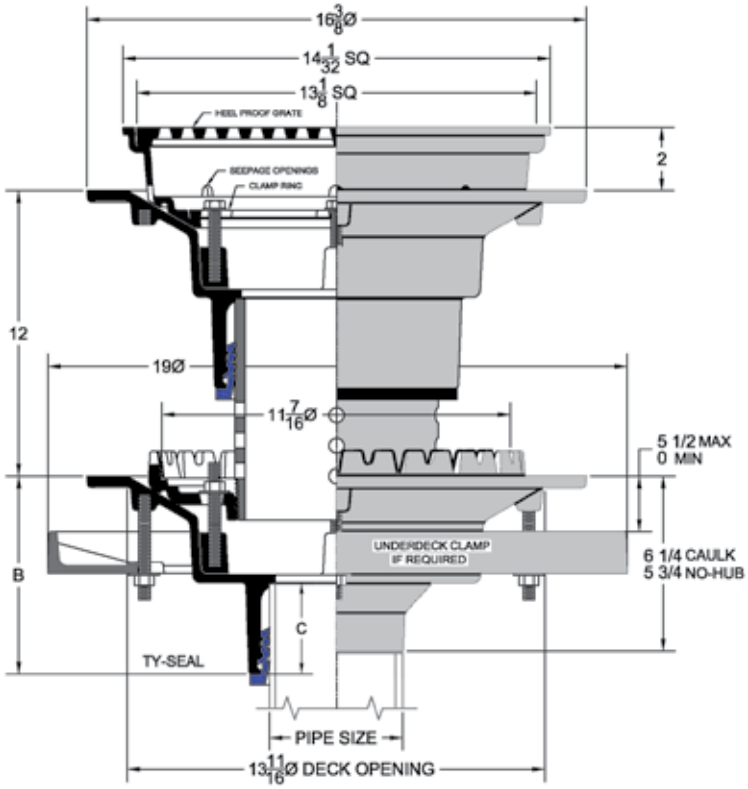
Dimensions (Inches)				
Pipe Size	**2"**	**3"**	**4"**	**6"**
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

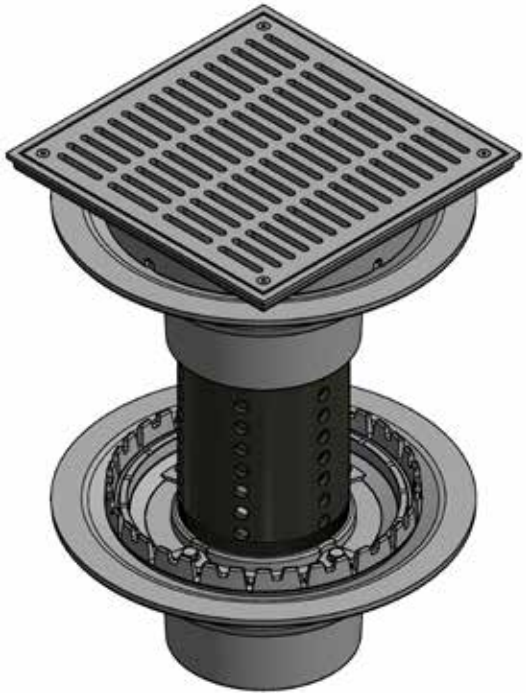
Outlet Variations		
Type	**Designation Suffix**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	**Description**	**Add**	
		Painted	**(39) Galv.**
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating (ArmorClad)		$ 1,851.00
E	Elastomeric Wide Flange Body *		1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *		501.00
VP	Vandal Proof Top		170.00
39	Galvanized Cast Iron	(32)	2,615.00
		(42)	3,713.00
48	Flush Grate in Lieu of Dome *		935.00
52	Bearing Pan (Sump Receiver) *		372.00
53	Under Deck Clamp *		331.00
189	Bearing Pan w/ Securing Hardware *		597.00

3357 | 14" Square Green Roof Promenade Deck Drain | Grate Free Area = 46.5





3357-12-6NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Top Option Suffix		
	1	2	12
	Nickel Bronze	Satin Bronze	Cast Iron
2,3,4"	$ 6,844.00	$ 6,597.00	$ 5,467.00
5,6"	7,262.00	7,016.00	5,882.00
8"	7,677.00	7,429.00	6,297.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	36.1	35.4	36.5	35.2	35.1	36.5

Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, plastic perforated standpipe, square promenade top.
ASME Load Rating - Special Duty
** Dimensions vary from illustration*

Dimensions (Inches)				
Pipe Size	2"	3"	4"	6"
B	6-3/8	6-5/8	6-7/8	6-3/8
C	2-1/2	2-3/4	3	3

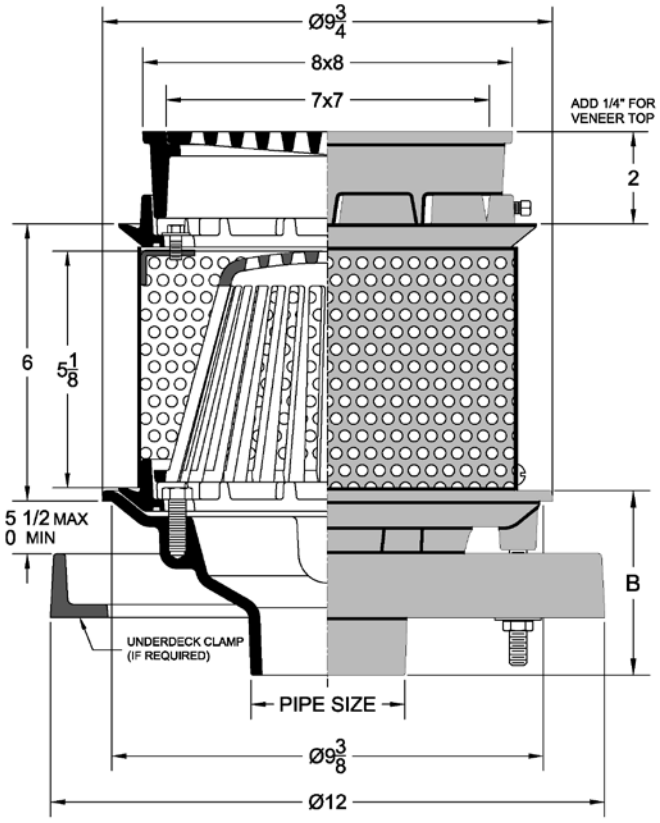
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Push On	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	$ 112.00

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,851.00
E	Elastomeric Wide Flange Body *	1,803.00
SO	90° Side Outlet Body (3NH,4NH,6NH) *	501.00
VP	Vandal Proof Top	170.00
WS	Wide Slot Grate (Free Area = 66.5 Sq.In.)	N/C
39	Galvanized Cast Iron	3,713.00
52	Bearing Pan (Sump Receiver) *	372.00
53	Under Deck Clamp *	331.00
189	Bearing Pan w/ Securing Hardware *	597.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
ADF	Adjustable Extension *	$ 990.00	$ 1,464.00
AE	Adjustable Drain Riser *	1,067.00	1,531.00
DF	Fixed Extension * (1",2",3" or 4") *	901.00	1,097.00
EB	Adjustable Drain Riser Pan *	901.00	N/A

ROOF DRAINS

3358	9" Square Green Roof Promenade Deck Drain	Grate Free Area = 14.8





3358-12-3NH

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix		
	1	2	12
	Nickel Bronze	Satin Bronze	Cast Iron
2,3,4"	$ 3,559.00	$ 3,483.00	$ 2,963.00
6"	3,598.00	3,528.00	3,034.00
ASME Load Rating	Light Duty	Light Duty	Heavy Duty

Pipe Size	2"	3"	4"	6"
Wt. Lbs.	17.0	17.0	17.0	22.2

Regularly Furnished: Cast iron green roof drain with flange, flashing ring, gravel stop, stainless steel perforated extension, square promenade top and bottom outlet.

** Dimensions vary from illustration*

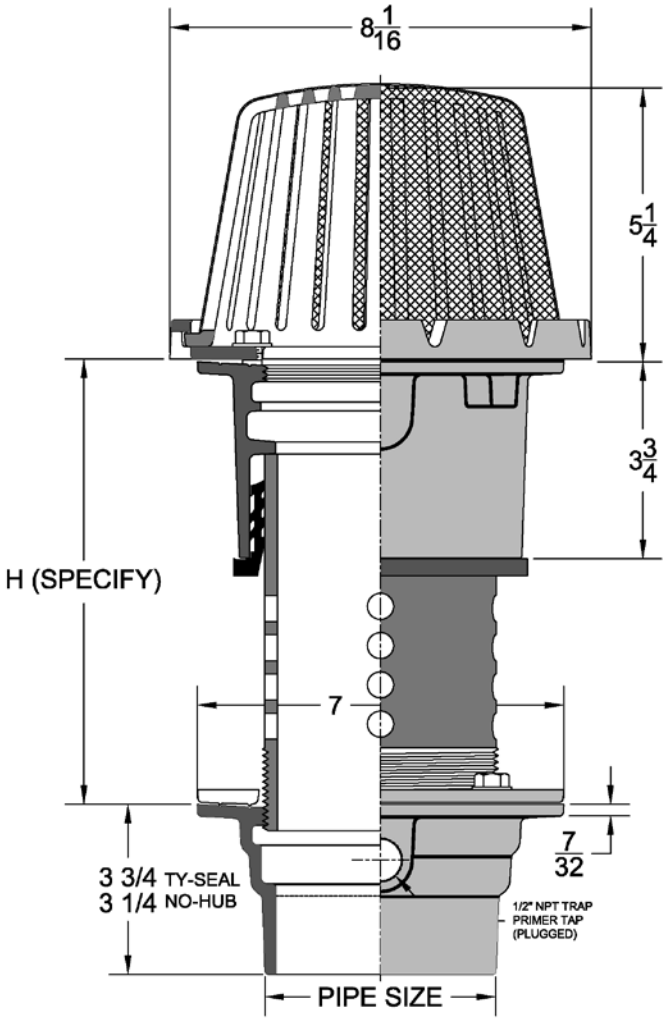
Dimensions (Inches) Push-On Outlet				
Outlee Type	No-Hub	Push-On	Inside Caulk	Threaded
B	4	4-1/4	4-3/4	3-1/4
C	•	2	•	•

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY (Includes Gasket)	N/C
Inside Caulk	2IC,3IC,4IC	N/C
Threaded	2IPS,3IPS,4IPS	$ 112.00

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	N/A

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,042.00
E	Elastomeric Flange *	1,695.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	251.00
VP	Vandal Proof Top	200.00
39	Galvanized Cast Iron	491.00
40	Gavanized Iron Top	371.00
46	Aluminum Dome	108.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3359 | 8" Diameter Multi-Level Planting Area Green Roof Drain | Dome Free Area = 43.0





3359-32-3TY

Outlet (Pipe Size)	Painted Cast Iron Body and Flashing Ring with: Dome Option Suffix				
	3	32	40	42	46
	Bronze	Poly	Galv. C.I.	Cast Iron	Aluminum
2,3,4"	$ 3,355.00	$ 2,925.00	$ 3,070.00	$ 3,051.00	$ 3,147.00
6"	3,608.00	3,176.00	3,325.00	3,304.00	3,400.00

Pipe Size	2"	3"	4"	5"	6"	8"
Wt. Lbs.	72.2	70.8	73.0	70.4	70.2	73.0

Regularly Furnished: Cast iron roof drain with flange, flashing ring, gravel stop, plastic perforated standpipe, stainless steel mesh lined dome and bottom outlet.

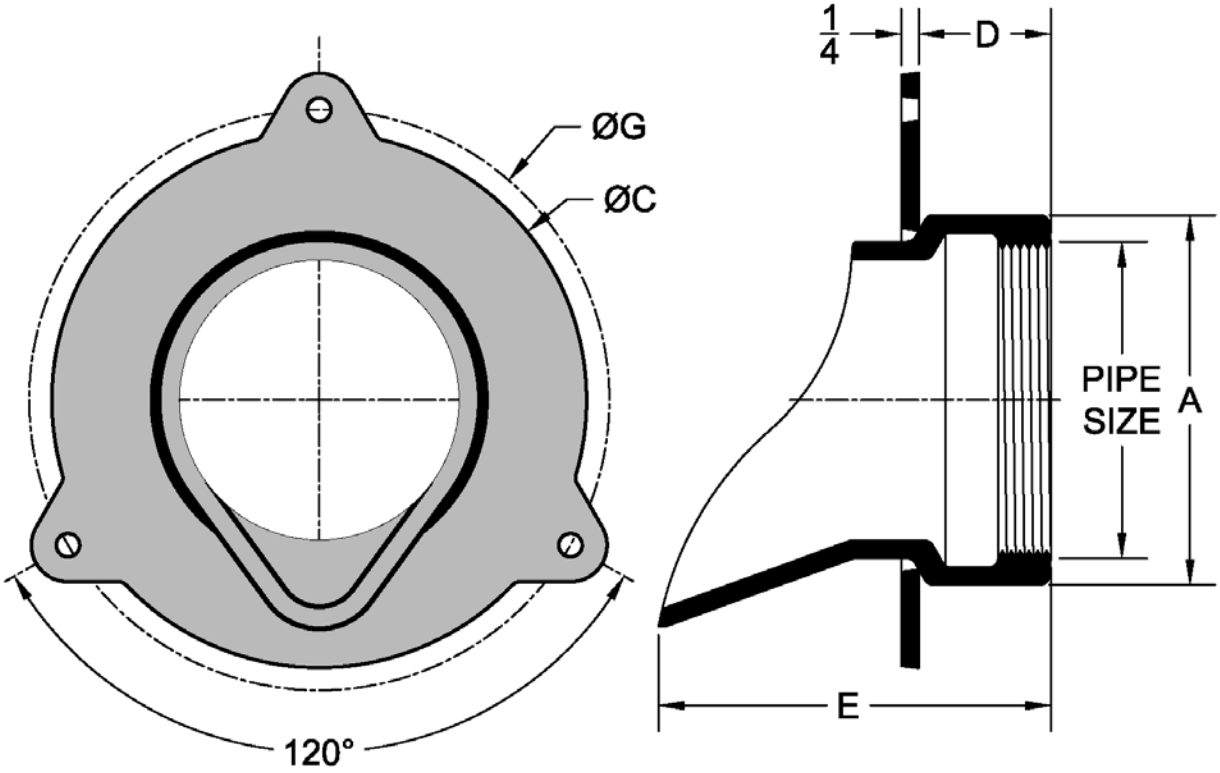
** Dimensions vary from illustration*

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On	2TY,3TY,4TY	N/C

Optional Extensions & Drain Risers			
Suffix	Description	Add	
		Painted	(39) Galv.
DF	Fixed Extension * (1",2",3" or 4") *	$ 470.00	$ 896.00
EB	Adjustable Drain Riser Pan *	688.00	N/A

Suffix Options		
Suffix	Description	Add
ARC	Acid Resistant Coating (ArmorClad)	$ 1,273.00
SO	90° Side Outlet Body (2IPS,3IPS,4IPS) *	251.00
VP	Vandal Proof Top	150.00
27	Sediment Bucket	183.00
52	Bearing Pan (Sump Receiver) *	353.00
53	Under Deck Clamp *	205.00
189	Bearing Pan w/ Securing Hardware *	464.00

3940 Downspout Nozzle with Threaded or Slip Joint Inlet



Pipe Size	Material Option Suffix			Wt. Lbs.
	1	2	3	
	Nickel Bronze	Satin Bronze	Rough Bronze	
2"	$ 1,474.00	$ 1,328.00	$ 859.00	10.0
3"	1,474.00	1,328.00	859.00	9.0
4"	1,474.00	1,328.00	859.00	9.0
5"	2,646.00	2,386.00	2,039.00	17.0
6"	2,646.00	2,386.00	2,039.00	16.0
8"	3,622.00	3,490.00	3,085.00	18.0
10"	4,733.00	4,534.00	4,008.00	19.0

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	G
2"	5-1/4	3-5/8	7-5/8	1-7/8	5-5/8	8-1/4
3"	5-1/4	3-1/8	7-5/8	1-7/8	5-5/8	8-1/4
4"	5-1/4	2-5/8	7-5/8	1-7/8	5-5/8	8-1/4
5"	5-7/8	3	7-3/4	1	5-7/8	8-1/2
6"	7	3-1/2	8-3/4	1	5-3/4	9-1/2
8"	9-1/4	4-5/8	10-7/8	1-1/8	5-3/4	11-5/8
10"	11-7/8	6	12-7/8	1-3/4	6-1/8	14

Outlet Variations		
Type	Designation Suffix	Add
Threaded	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C
Slip Joint	4SJ,5SJ,6SJ,8SJ,10SJ	N/C



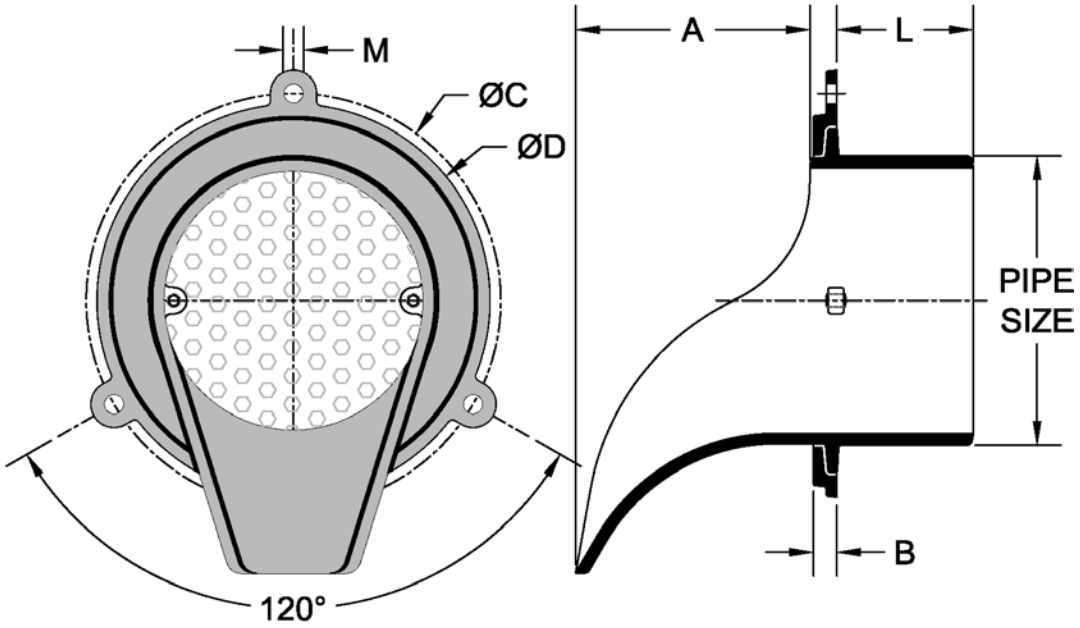
3940-1-4IPS

Regularly Furnished: Downspout nozzle with decorative wall flange and threaded or slip joint inlet.

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
166	S/S Perforated Bird/Rodent Screen	$ 753.00

3940-NH | Downspout Nozzle with No-Hub Inlet



S/S BIRD SCREEN
(IF REQUIRED)

Pipe Size	Material Option Suffix			Wt. Lbs.
	1	2	3	
	Nickel Bronze	Satin Bronze	Rough Bronze	
2"	$ 1,474.00	$ 1,328.00	$ 859.00	5.0
3"	1,474.00	1,328.00	859.00	6.0
4"	1,474.00	1,328.00	859.00	7.0
5"	2,646.00	2,386.00	2,039.00	12.0
6"	2,646.00	2,386.00	2,039.00	13.0
8"	3,622.00	3,490.00	3,085.00	14.0
10"	4,733.00	4,534.00	4,008.00	15.0
12"	5,856.00	5,611.00	5,446.00	17.0



3940-1-4NH

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	G
2"	2-3/8	5/16	4-3/8	4	2	5/16
3"	3	5/16	5-3/8	5	2	5/16
4"	3-1/2	5/16	6-1/4	6	2	5/16
5"	3-1/2	1/2	8	7-1/2	2-1/2	7/16
6"	3-1/2	1/2	9	8-1/2	2-1/2	7/16
8"	3-1/2	1/2	11-1/8	10-9/16	2-1/2	7/16
10"	3-1/2	1/2	13-1/2	12-7/8	2-1/2	7/16
12"	3-1/2	1/2	15-3/8	14-3/4	2-1/2	7/16

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH,10NH,12NH	N/C

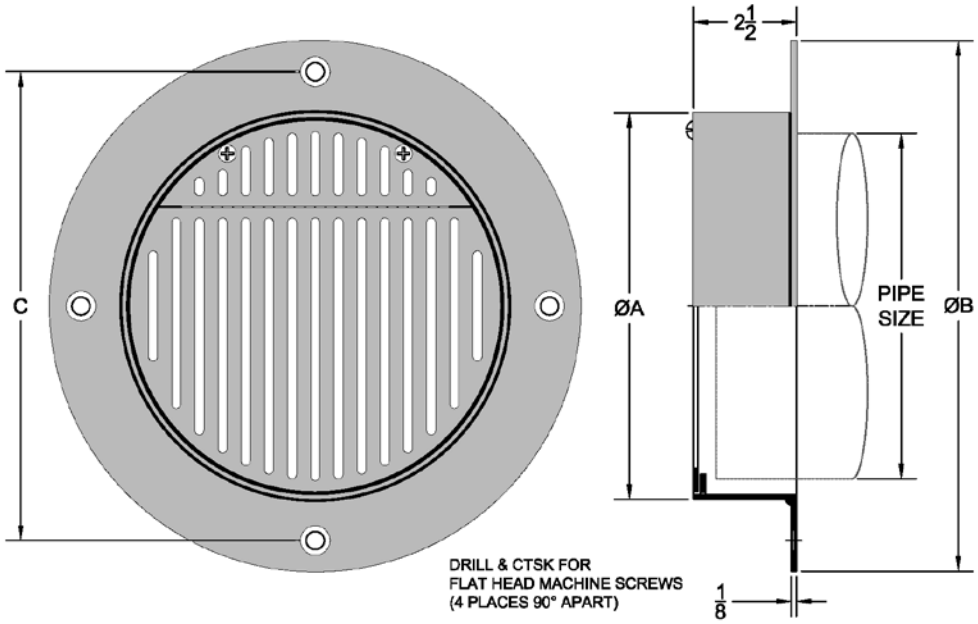
Regularly Furnished: Downspout nozzle with decorative wall flange and No-Hub inlet.

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
166	S/S Perforated Bird/Rodent Screen	$ 753.00

ROOF DRAINS

3941 Downspout Cover



Pipe Size	85 Stainless Steel	Grate Free Area (Sq.In.)	Wt. Lbs.
3"	$ 3,973.00	3.8	8.0
4"	3,973.00	5.4	8.0
5"	4,192.00	8.3	8.5
6"	4,192.00	17.0	9.0
8"	4,402.00	23.4	10.0
10"	4,656.00	36.5	12.0
12"	4,932.00	55.4	14.0
15"	5,217.00	70.3	16.0
16"	5,536.00	76.8	17.0
18"	6,153.00	91.7	18.0



3941-85-6SJ

Dimensions (Inches)			
Pipe Size	A	B	C
3"	4-1/4	7-3/4	6-1/4
4"	5-1/2	8-3/4	7-1/4
5"	6	9-1/4	7-1/4
6"	8-1/4	11-3/4	10-1/4
8"	9-3/8	12-7/8	11-3/8
10"	11-1/2	15	13-1/2
12"	13-1/2	17	15-1/2
15"	15-3/4	19-1/4	17-3/4
16"	16-3/8	20	18-3/8
18"	18-3/8	22	20-3/8

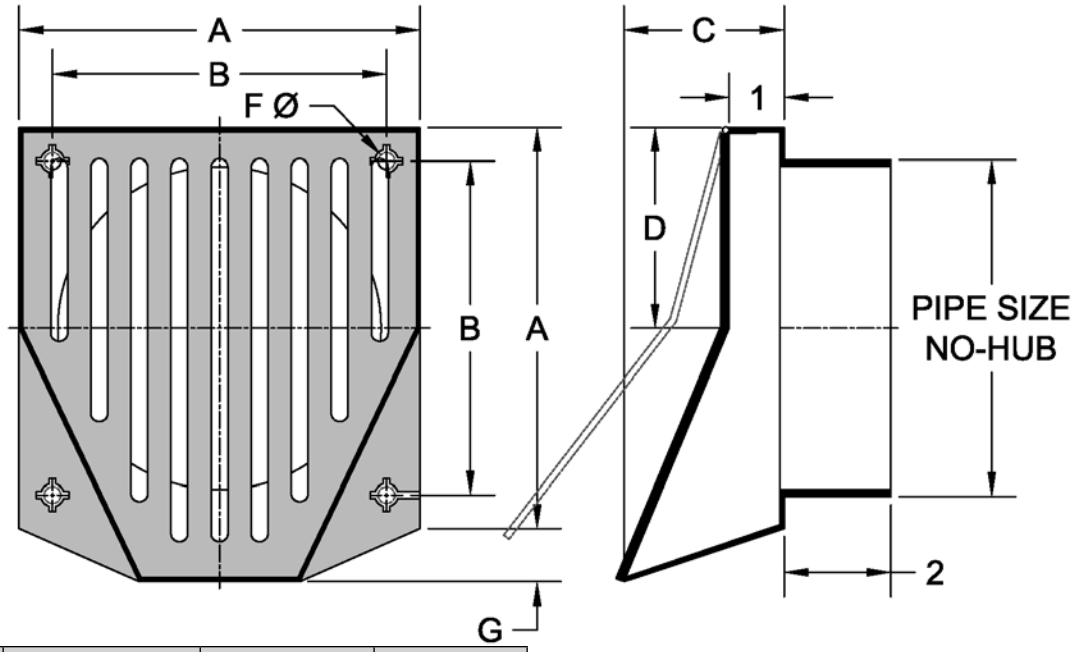
Regularly Furnished: Stainless steel downspout cover with wall flange, hinged slotted cover and slip joint inlet.

** Dimensions vary from illustration*

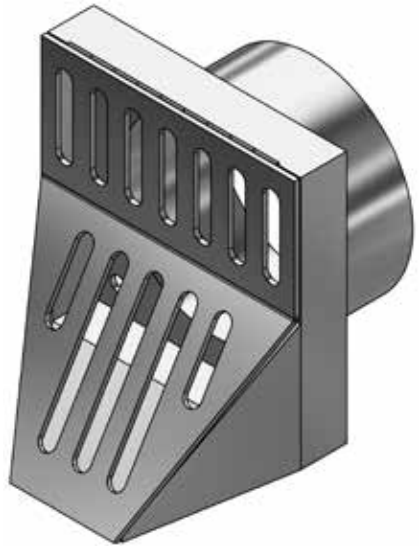
Suffix Options		
Suffix	Description	Add
102	Chrome Plated	$ 703.00

Outlet Variations		
Type	Designation Suffix	Add
Slip Joint	4SJ,5SJ,6SJ,8SJ,10SJ	N/C

3942 Downspout Nozzle with Hinged Cover



Pipe Size	85 Stainless Steel	Grate Free Area (Sq.In.)	Wt. Lbs.
3"	$ 3,467.00	8.0	3.8
4"	3,467.00	8.0	8.3
5"	3,467.00	13.1	8.7
6"	3,467.00	21.6	9.0
8"	3,467.00	29.9	15.0
10"	4,123.00	50.6	21.0
12"	4,123.00	64.3	22.0
15"	8,563.00	78.5	23.0
16"	8,563.00	78.5	23.0
18"	13,005.00	91.7	18.0



3942-85-4NH

Dimensions (Inches)						
Pipe Size	A	B	C	D	E	G
3"	4 1/2	3 1/4	3	2 1/4	5/16	3/4
4"	5 1/2	4 1/4	3	2 3/4	5/16	1
5"	6 1/2	5 1/4	3	3 1/4	5/16	1
6"	7 1/2	6 1/4	3	3 3/4	5/16	1
8"	9 5/8	7 5/8	4	4 7/8	5/16	1 1/8
10"	13	10 1/4	5	6 3/8	7/16	1 7/8
12"	14	11 1/4	6	6 7/8	7/16	1 7/8
15"	18	14 5/8	7	9	7/16	1 7/8
16"	18	14 5/8	7	9	7/16	1 7/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH,10NH,12NH	N/C

Regularly Furnished: Downspout nozzle with decorative wall flange and No-Hub inlet.

** Dimensions vary from illustration*

Suffix Options		
Suffix	Description	Add
21	Less Grate	$ 455.00
166	S/S Perforated Bird/Rodent Screen	753.00

Index	
Application	**Product Recommendation**
Push-On Gaskets	4000
Trap Primers	4401, 4402
Bladder Type Trap Seal Device	4405
Water Control Valve & Box	4440
Adapters	4455, 4456
Water Hammers Arrestors / Shock Absorbers	4480, 4481

How to Specify

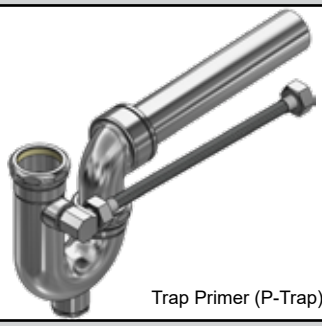
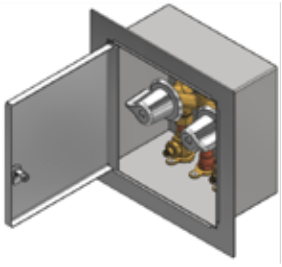
W4480-A-USA

Series Number (Required)

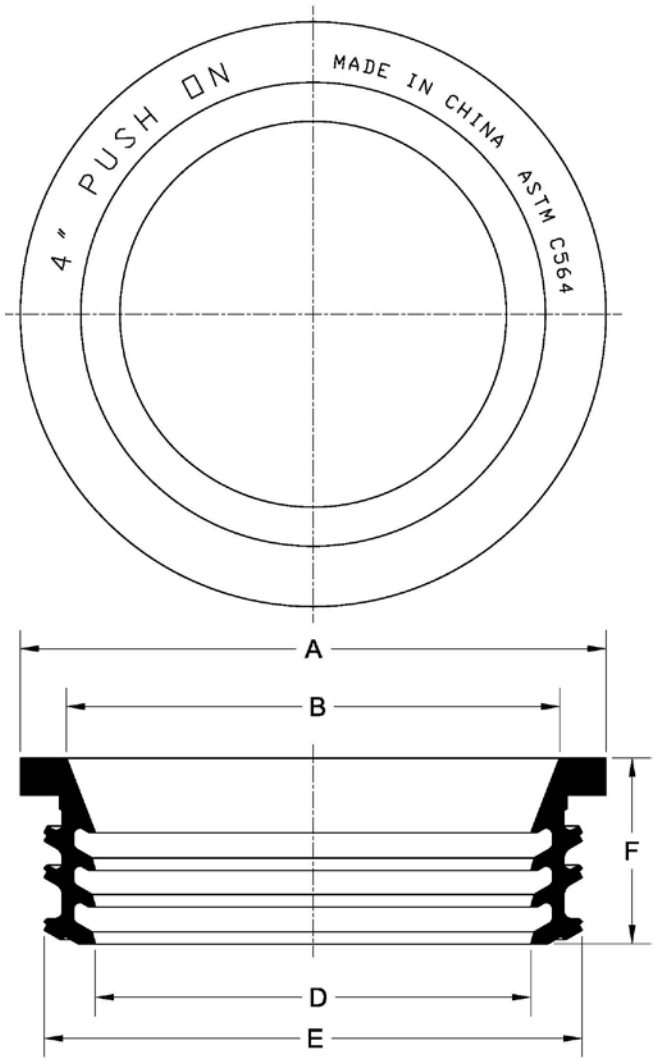
Connection Type & Size (Required)

Miscellaneous Options (As Needed)



4000	4400	4401
 Push-On Gasket	 Vertical Backwater Valve	 Trap Primer (P-Trap)
4402	**4405**	**4440**
 Trap Primer Valve	 Trap Seal Device	 Water Control Box (Hot/Cold)
4450-EF	**4455**	**4456**
 Funnel Drain	 Hub x IPS Adapter	 No-Hub x IPS Adapter
4480	**4481**	
 Water Hammer Arrestor (Bellows Style)	 Water Hammer Arrester (Piston Style)	

4000 Push-On Gasket





4000-4TY



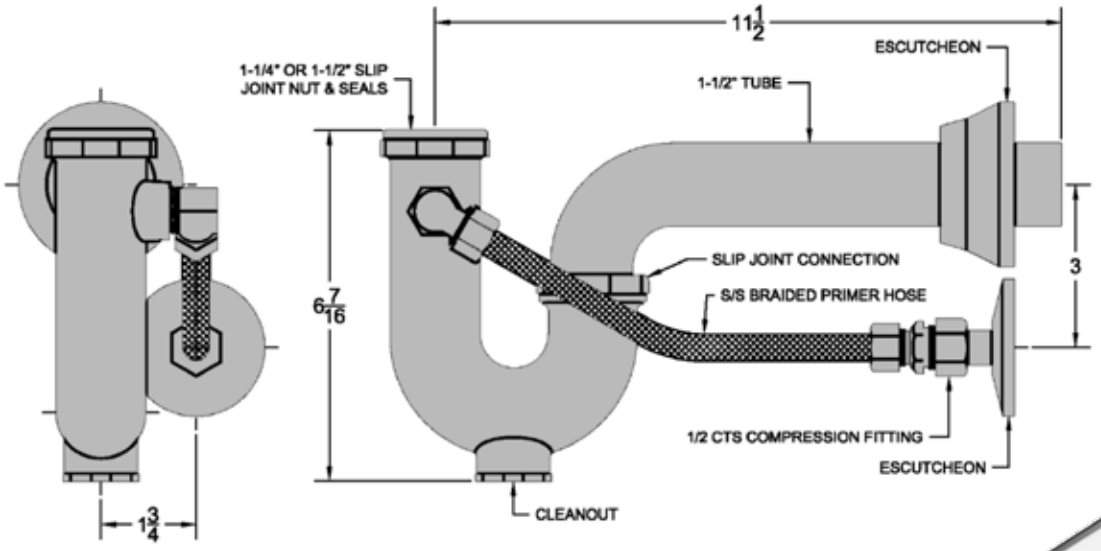
4000-4TY-EC

Catalog No.	Pipe Size	A	B	D	E	F	Wt.Lbs.
4000-2TY	2"	3.520	2.560	1.940	3.054	1.812	0.3
4000-3TY	3"	4.645	3.685	3.065	4.179	1.812	0.4
4000-4TY	4”	5.700	4.800	4.240	5.234	1.812	0.6
4000-5TY	5”	6.810	5.670	4.930	6.200	2.160	1.2
4000-6TY	6”	7.810	6.670	5.930	7.140	2.160	1.4
4000-6TX	6”	7.810	6.813	6.460	7.116	2.160	1.3

Regularly Furnished: ASTM C-564 Neoprene outlet gasket for 2”-6” cast iron service weight or hubless soil pipe. Gaskets will also accept IPS Schedule 40 steel or PVC pipe (2”-4”). A special gasket (6TX) is required or 6” IPS pipe.

Outlet Variations		
Suffix	**Description**	**Add**
EC	Integral Test Cap (2”-4” Only)	N/C

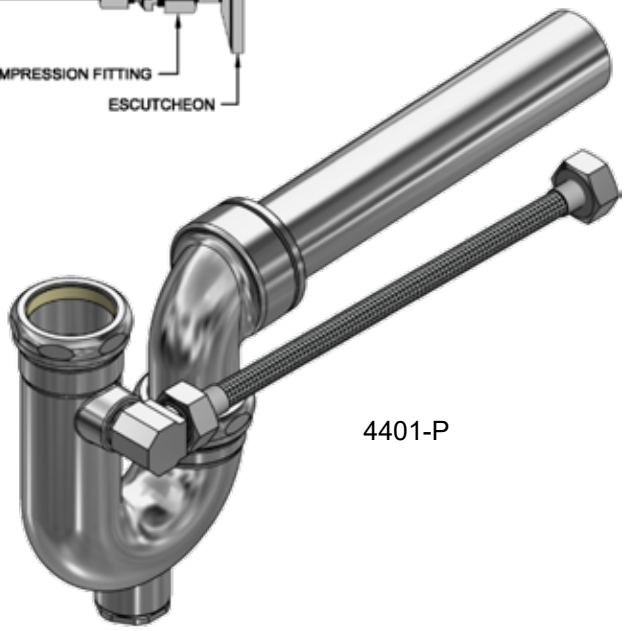
4401 Trap Primer (Replaces 2400-M, 2400-P)



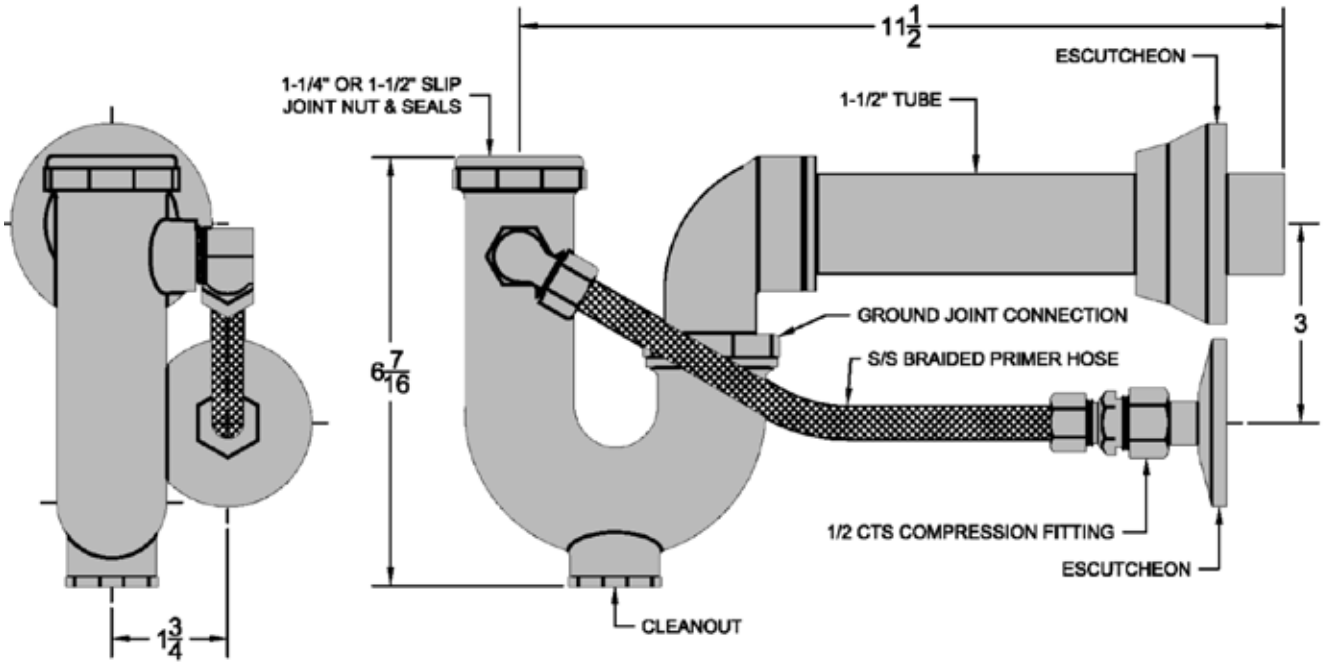
Regularly Furnished: Polished chrome plated bronze p-trap with stainless steel braided trap primer tube.

Pipe Size	Regularly Furnished	Wt. Lbs.
1-1/4" x 1-1/2"	$ 880.00	4.2

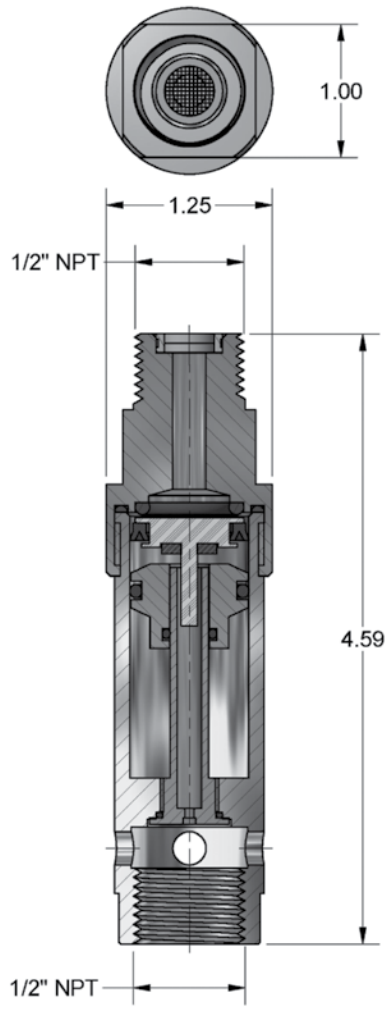
Outlet Variations		
Type	**Designation**	**Add**
(-M) Slip Joint	114X112SJ	N/C
(-P) Threaded	114X112IPS	N/C



4401-P



4402 Trap Primer Valve and Distribution Unit





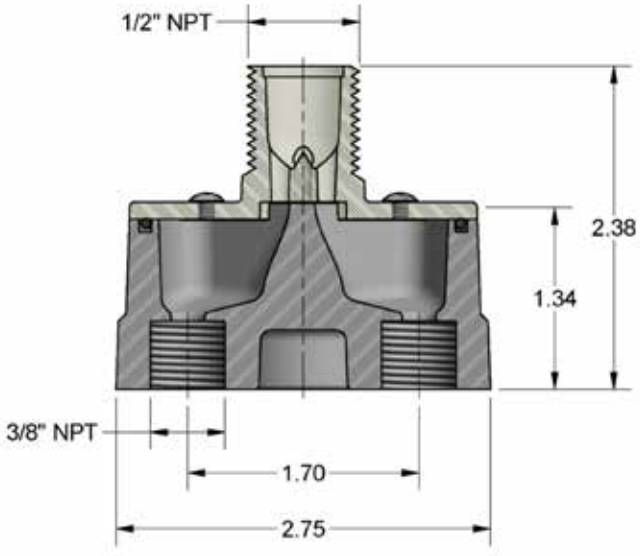


4402-NL-DU/IPS

Regularly Furnished: Bronze trap primer valve with vacuum breaker.

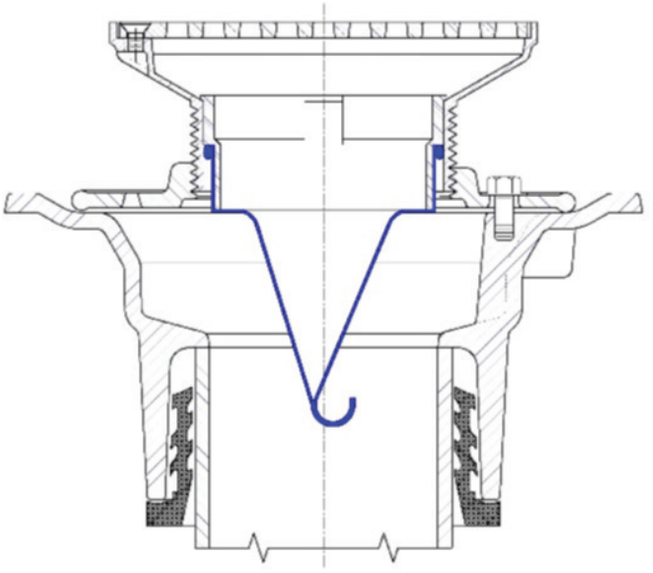
Style / Pipe SIze	Regularly Furnished	Wt. Lbs.
Brass 1/2"	$ 579.00	0.8
(NL) No Lead Brass 1/2"	579.00	0.8

Suffix Options		
Suffix	**Description**	**Add**
DU/IPS	1/2” IPS Inlet x 3/8” IPS Threaded Outlets (4)	$ 414.00
DU/CJ	1/2” IPS Inlet x 1/2” CTS Compression Joint (4)	579.00
102	Chrome Plated Valve Body	198.00



Distribution Unit (Optional)

4405 Trap Seal Device





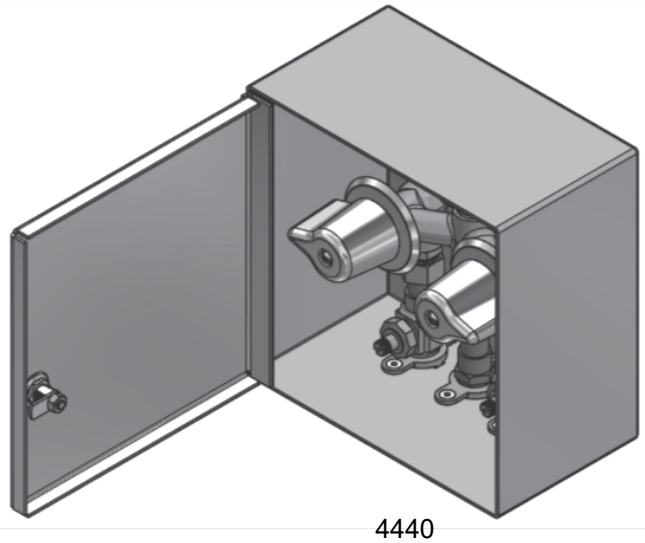
4405-3TP

Regularly Furnished: Elastomeric trap seal device with fitting for internal tailpiece or pipe installation.

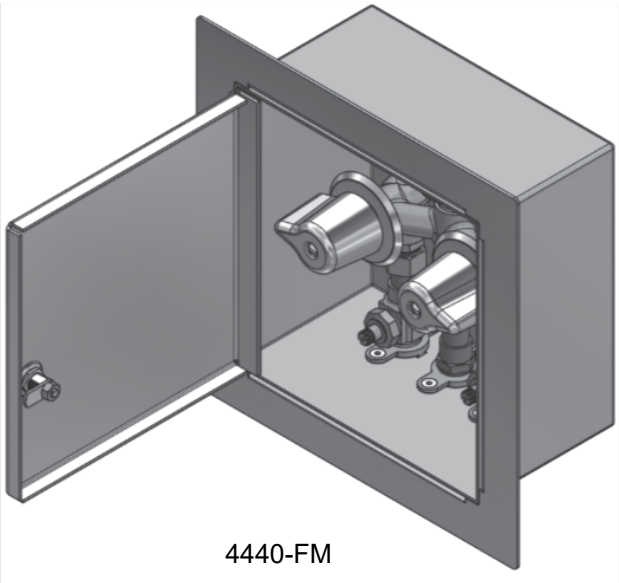
Pipe Size	Wt. Lbs.
2",3",4"	0.5

Connection Variations		
Type / Size	**Designation**	**List Price**
-2PVC	Fits Inside 2" Sch.40 PVC/ABS Pipe	$ 176.00
-2CI	Fits Inside 2" Cast Iron Soil Pipe	176.00
-3PVC	Fits Inside 3" Sch.40 PVC/ABS Pipe	184.00
-3CI	Fits Inside 3" Cast Iron Soil Pipe	184.00
-4PVC	Fits Inside 4" Sch.40 PVC/ABS Pipe	210.00
-4CI	Fits Inside 4" Cast Iron Soil Pipe	210.00
-3TP	Fits Inside 3" Strainer Shank (1100 Series)	184.00
-4TP	Fits Inside 4" Strainer Shank (1000 Series)	210.00
-2G	Fits Thru 2" Push-On Gasket Into Inside of Pipe	176.00
-3G	Fits Thru 3" Push-On Gasket Into Inside of Pipe	184.00
-4G	Fits Thru 4" Push-On Gasket Into Inside of Pipe	210.00

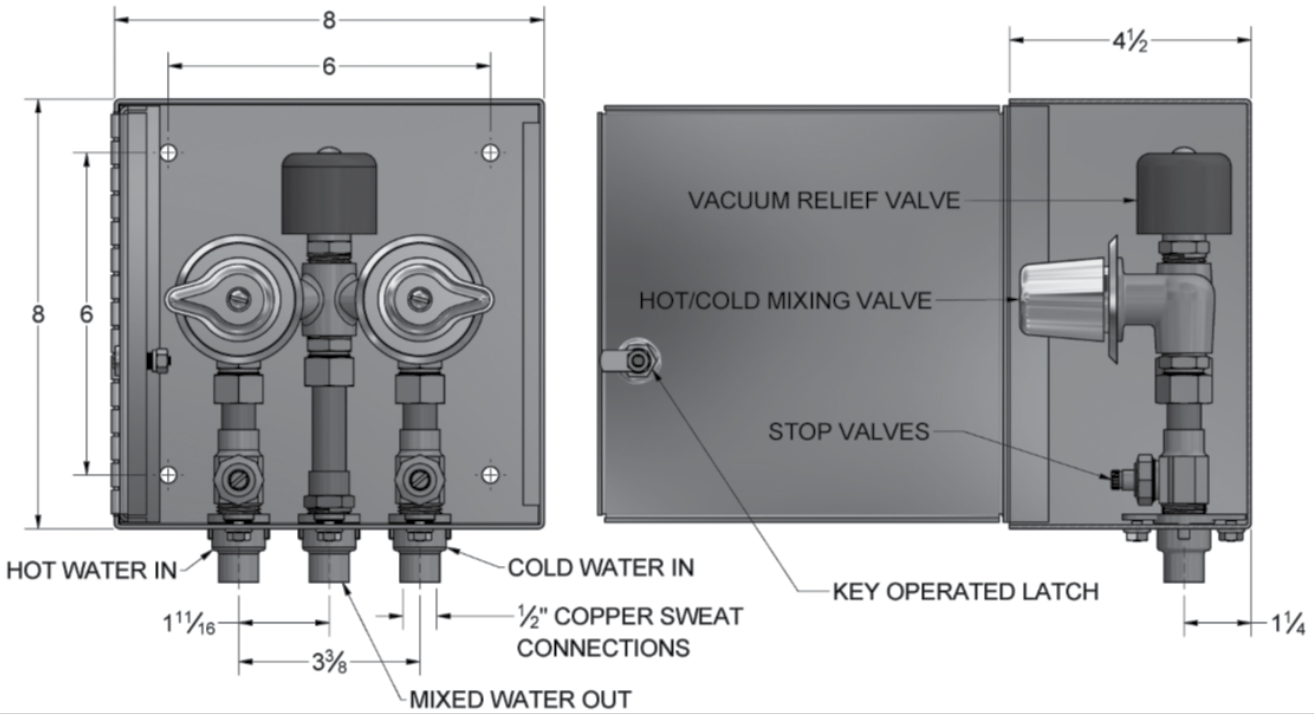
4440 Water Control Box (Replaces 2440)



4440



4440-FM

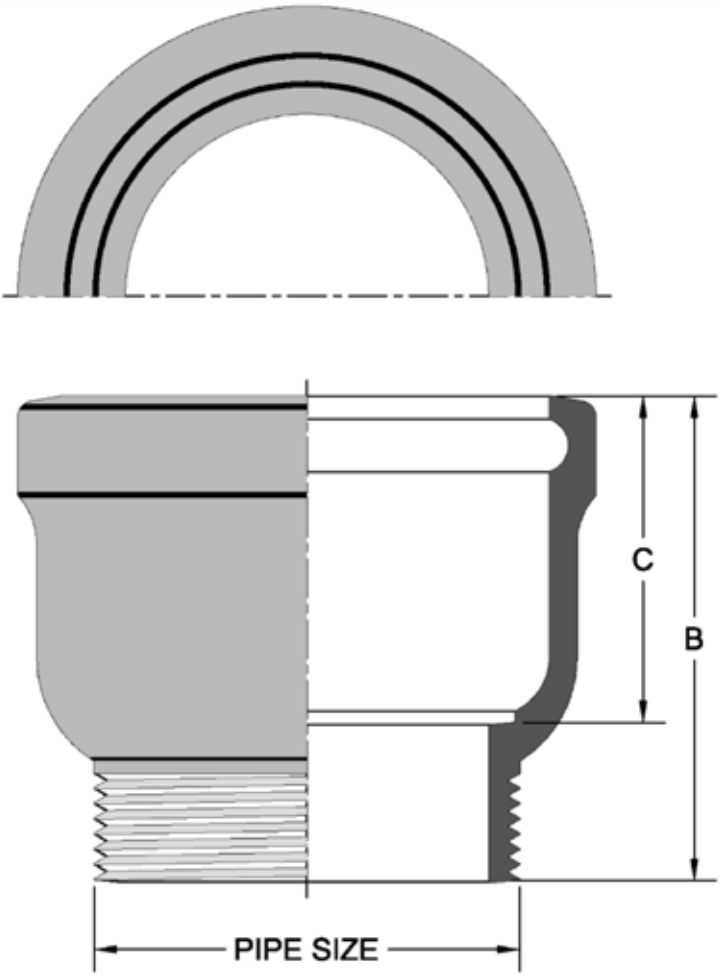


Regularly Furnished: Surface mounted stainless steel remote water supply box with hot & cold water shut off valves, screwdriver stop, hinged cover with cylinder lock, & 1/2" copper sweat connections.

Pipe Size	Regularly Furnished	Wt. Lbs.
1/2"	$ 7,284.00	9.1

Suffix Options		
Suffix	Description	Add
FM	Flush Mounted *	N/C
Suffix	Description	Deduct
LMV	Less Mixing Valve	$ (2,029.00)

4455 Hub x IPS Adapter (Replaces 2400-H)





4455-3IPS

Pipe SIze	B	C
2"	4	2-1/2
3"	4	2-3/4
4"	4-3/4	3

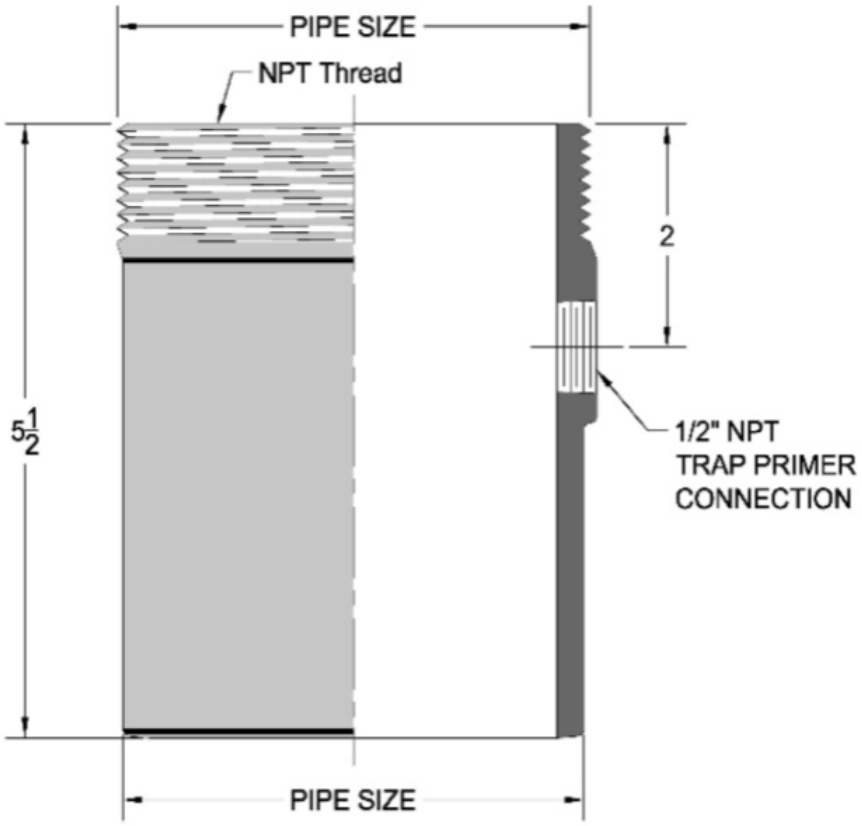
Regularly Furnished: Cast iron male IPS thread to hub adapter.

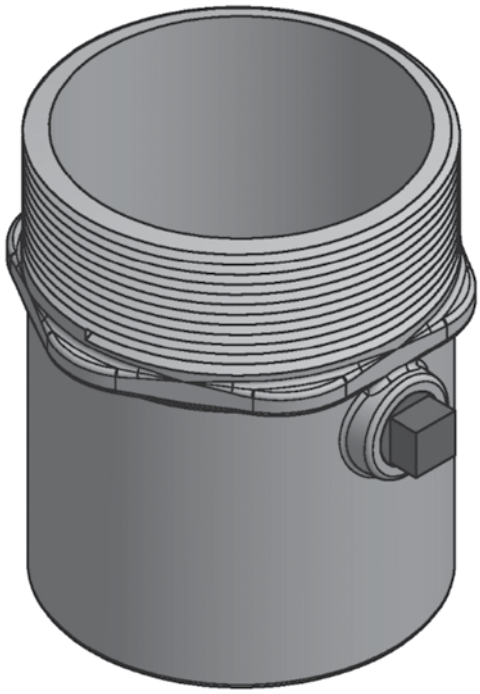
Pipe SIze	Regularly Furnished	Wt. Lbs.
2"	$ 150.00	3.0
3"	270.00	5.0
4"	367.00	6.0

Suffix Options			
Suffix	**Description**		**Add**
39	Galvanized Cast Iron	2",3",4"	$ 124.00

Outlet Variations		
Type	**Designation**	**Add**
Threaded	2IPS,3IPS,4IPS	N/C

4456 No-Hub Adapter with Trap Primer Tap (Replaces 2400-NH)





4456-4IPS

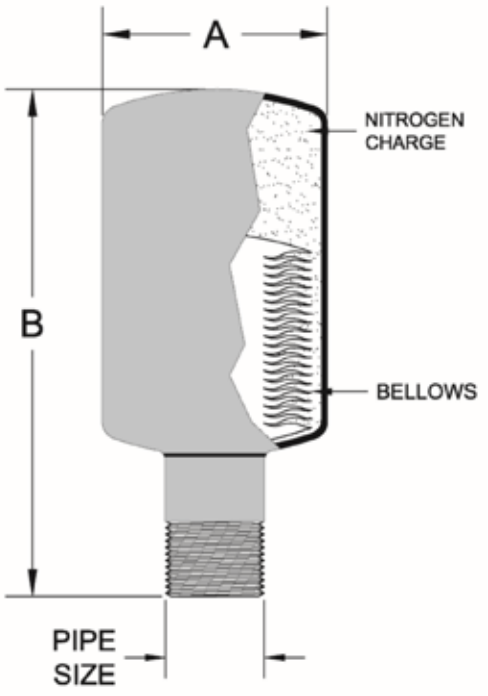
Regularly Furnished: Cast iron adapter fitting with 1/2” IPS trap primer connection.

Pipe Size	Regularly Furnished	-39 Galvanized	Wt. Lbs.
2”	$ 150.00	$ 283.00	2.0
3”	214.00	347.00	4.0
4”	331.00	466.00	6.0
6”	1,012.00	1,144.00	10.0
8”	1,122.00	1,255.00	12.0

Suffix Options		
Suffix	**Description**	**Add**
31	Backwater Vlave (3” & 4” Only)	$ 522.00
187	3/4” Trap Primer Tapping *	N/C

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,5NH,6NH,8NH	N/C
Thread x No-Hub	2IPS,3IPS,4IPS,5IPS,6IPS,8IPS	N/C

4480 Stainless Steel Bellows Type Shock Absorber / Hammer Arrestor



ANSI / ASME	ASSE	PDI
A112.26.1M	1010-04	WH-201

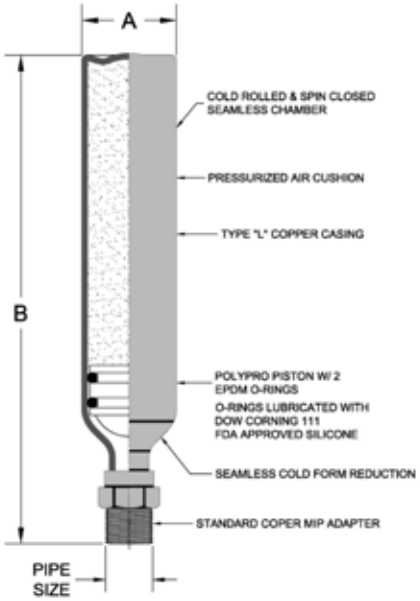


4480-A

PDI SIze	Pipe Size	A	B	Fixture Units	Regularly Furnished	Wt. Lbs.
A	3/4”	3-1/4	3-1/4	1-11	$ 722.00	1.0
B	1”	3-1/4	4-1/16	12-32	1,454.00	1.5
C	1”	3-1/4	4-3/8	33-60	2,186.00	1.8
D	1”	3-1/4	5-1/4	61-113	5,467.00	2.8
E	1”	3-1/4	7	114-154	6,169.00	3.3
F	1”	3-1/4	7	155-330	7,581.00	3.8

Regularly Furnished: All stainless steel shock absorber / hammer arrestor with welded, nested bellows. Temperature Range –100° F to 300°F. Max Operating Pressure 350 PSI.

4481 Copper Piston Type Shock Absorber / Hammer Arrestor



ANSI / ASME	ASSE	PDI
A112.26.1M	1010-04	WH-201



4481-A

PDI SIze	Pipe Size	A	B	Fixture Units	Regularly Furnished	Wt. Lbs.
A	1/2”	1-1/8	6	1-11	$ 239.00	0.4
B	3/4”	1-1/8	7-1/4	12-32	459.00	0.5
C	1”	1-3/8	8-3/4	33-60	725.00	0.8
D	1”	2-1/8	10	61-113	1,531.00	1.6
E	1”	2-1/8	12-3/4	114-154	1,903.00	2.1
F	1”	2-5/8	11-1/8	155-330	2,264.00	2.5

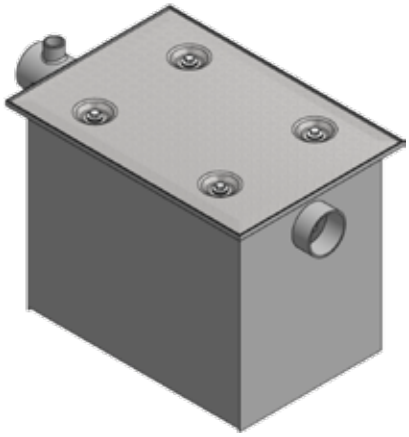
Regularly Furnished: Seamless copper shock absorber / hammer arrestor with polypropylene piston & EPDM O-rings. Max Temperature 250°F. Max Operating Pressure 350 PSI.

Application	Product Recommendation
Grease Interceptors	5100, 5151, 5102, 5103, 5105, 5106, 5200
Grease Recovery Appliances	GGX7,GGX15,GGX20,GGX25,GGX35,GGX50,GGX75,GGX125
Oil Interceptors	5400, 5500, 5800
Lint Interceptors	5600
Solid Interceptors	5720, 5730, 5740, 5741, 5760, 5770
Hair / Fur Interceptors	5750, 5800
Sand / Sediment Interceptors	5800, 5810, 5900
Coffee Grinds / Food Interceptor	ST1,ST2,ST4,ST8,ST12,ST23

How To Specify

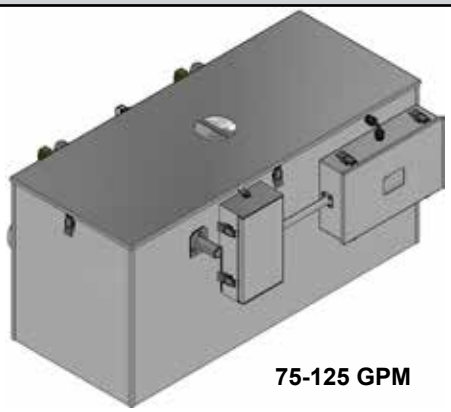
5100-20-4NH-24

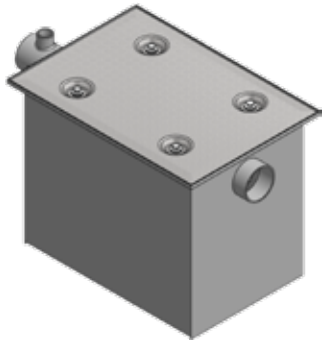
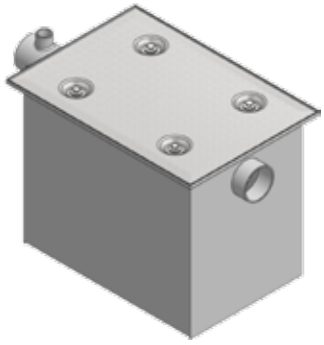
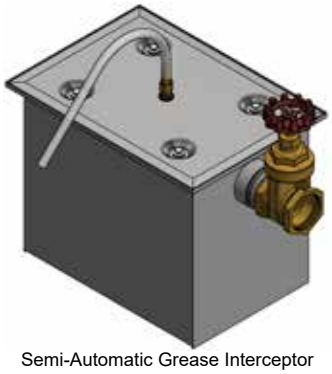
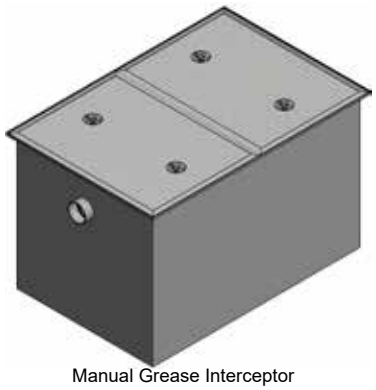
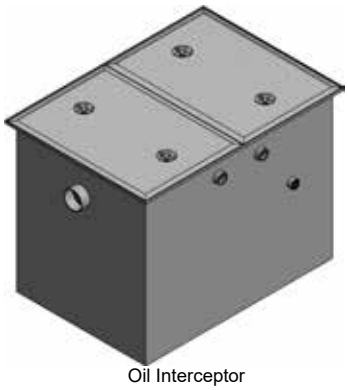
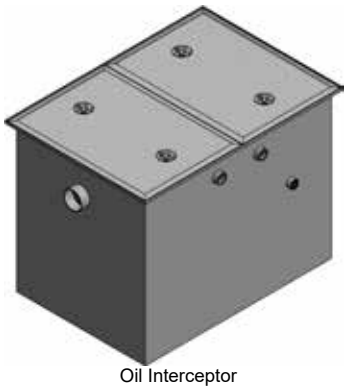
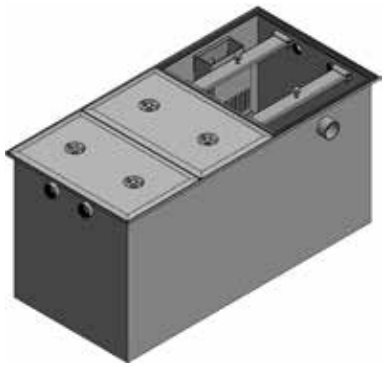
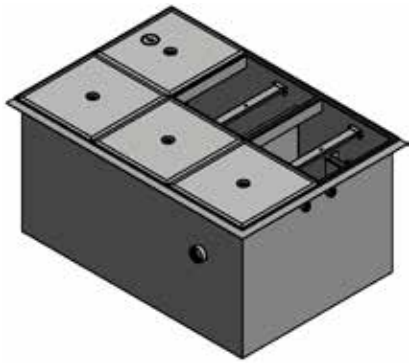
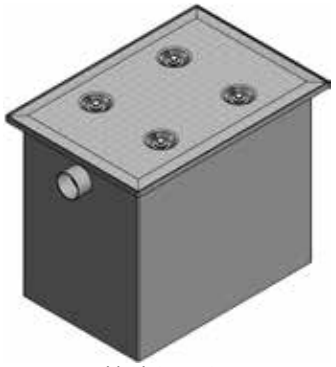
- Series Number (Required)
- Size / GPM / Capacity
- Connection Type & Size (Required)
- Miscellaneous Options (As Needed)

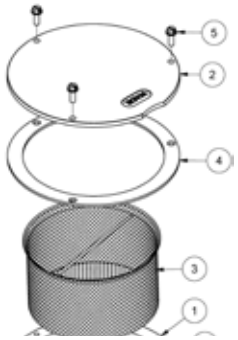
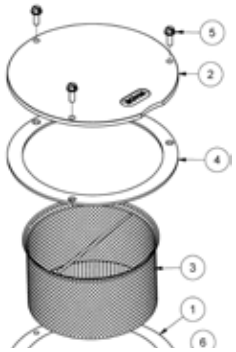
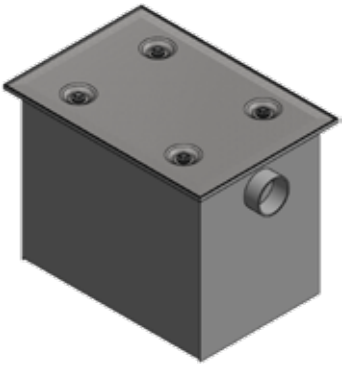


New Products

Grease Guardian®

GGX Grease Guardian (Point Source)	**GGX** Grease Guardian (Centralized)	**ST1** (Sink Guardian)
 7-50 GPM	 75-125 GPM	
ST2 (Coffee Guardian)	**ST4** (Coffee Guardian)	**ST8, 12 & 23** (Food Guardian)
		

5100	5101	5102
		
Manual Grease Interceptor 4-100 GPM	Manual Grease Interceptor (S/S) 4-100 GPM	Semi-Automatic Grease Interceptor 4-75 GPM
5103	**5105**	**5106**
		
Semi-Automatic Grease Interceptor 4-75 GPM	Manual Grease Interceptor (Low Profile) 4-100 GPM	Semi-Automatic Grease Interceptor (Low Profile) 4-100 GPM
5200	**5400**	**5401**
		
Manual Grease Interceptor 75-500 GPM	Oil Interceptor 10-50 GPM	Oil Interceptor 75-500 GPM
5500	**5501**	**5600**
		
Oil Interceptor w/ Integral Storage Tank 10-50 GPM	Oil Interceptor w/ Integral Storage Tank 75-500 GPM	Lint Interceptor 3-150 Washing Machines

5720	5730	5740
 Solids Interceptor (Top Access) 15 GPM	 Solids Interceptor (Bottom Access) 15 GPM	 Solids / Plaster Interceptor (Top Access)
5741	**5750**	**5760**
 Solids / Plaster Interceptor (Top Access)	 Hair / Solids Interceptor (Bottom Access)	 Solids Interceptor (Top Access)
5770	**5790**	**5800**
 Solids Interceptor (Side Access)	 Solids Interceptor (Side Access)	 Oil / Sediment Interceptor (Grated Top)
5810	**5830**	**5900**
 Oil / Sediment Interceptor (Grated Top)	 Hair / Fur Interceptor (Grated Top)	 Sand Interceptor (49-135 Cu.Ft.)

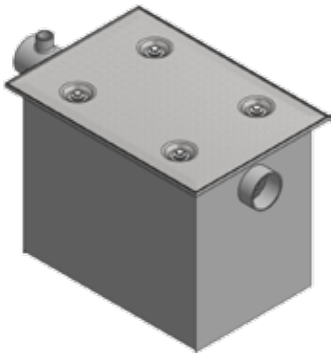
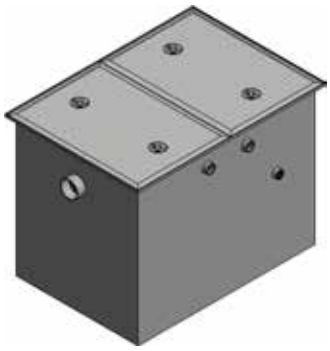
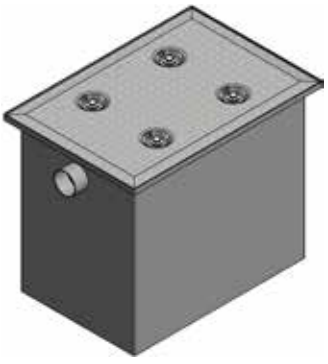
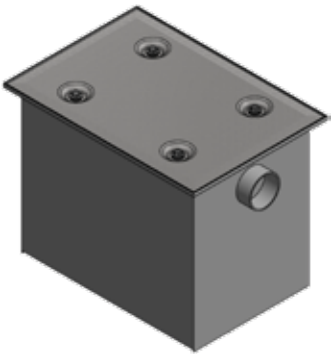
There are five main types of interceptors: grease, oil, lint, sand and solids. Each of them requires different considerations for sizing, operation and maintenance. The information provided will help the specifier select the correct interceptor for the application. A detailed explanation of the major components and features of each type of interceptor is also provided.

Construction / Operation

Many of Wade's grease, oil and solids interceptors are manufactured with 10 gage hot rolled steel which is welded together and coated with a high build aliphatic hybrid – trade named ArmorClad. It is an industrial abrasion - chemical - impact - moisture and UV resistant sanitary finish engineered for use on critical surfaces in harsh environments. A two component no-voc formulation delivers optimal performance in very cold or hot climates. ArmorClad is dielectric (non-conductive) so there is no potential reaction with the earth's elements. Because of its dielectric properties, performance is exceptional in all forms of corrosive elements that may be present in underground environments. Because it is non-sacrificial, the finish insulates metallic products from corrosive elements including salt spray. A 100% solids characteristic helps to ensure a complete barrier is formed for protection. The aliphatic hybrid content of ArmorClad provides UV resistance well beyond what aromatic coatings can offer. Accelerated UV Aging test over extended time are ongoing to qualify the significant improvements. Typically furnished in gray.

The cover sealing gasket is manufactured with low durometer closed-cell neoprene with self-adhesive backing. The gasket is custom fitted to the interceptor body top rim ledge where it is an integral part of the body. Because of the gasket's thickness and density, it provides an ideal sealing environment for the lid. All of Wade's interceptors are supplied with the same gasket. Dependent upon type, many interceptors are supplied with a baffle system engineered to improve the separation process. The baffle system is strategically located to direct inflow for maximum efficiency of the interceptor. Flow entering the interceptor is directed to the bottom by the baffle to avoid any disturbance of the previously accumulated surface layer of grease or oil in the device. The baffle also serves to reduce the velocity and surge of inflow, providing sufficient retention time for effective separation of the grease. The grease or oil rises to the surface for manual or draw-off removal and the baffle is easy to remove for cleaning. The waste water is now relieved of over 90% of the fats, oils and greases and continues to flow through the interceptor into the drainage system

Types of Interceptors

			
Grease	**Oil**	**Oil / Sediment**	**Sand**
			
Solids	**Hair**	**Lint**	**Specialty (Fish Scale / Paint / Fur)**

Grease, which also includes fats and oils, has historically caused problems in plumbing drainage systems. Grease easily adheres to the inner surface of most commonly used drainage piping materials and over time will form into a hard crust as tough as baked clay. The rougher the inner surface of the pipe, the easier this adherence will occur.

Grease is also a problem for sewage treatment plants as it taxes the bacterial process used to break down these complex compounds.

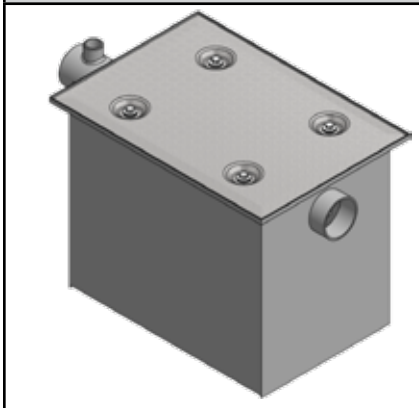
The purpose of a grease interceptor is to trap and store the suspended grease from the water passing through it. They are usually connected to kitchen sinks, floor drains, and any other plumbing fixtures in restaurants, hotels and institutions that discharge grease laden waste water.

Wade's grease interceptors operate on the principle of separation by flotation. The baffle plates opposite the inlet of the grease interceptor diffuse the flow into the interceptor and lessen the turbulence of the grease laden water as it enters the intercepting chamber. Solids and sludge carried in the water should be trapped prior to the grease interceptor. Such accumulation can then be removed. The resulting smooth, even flow of water through the interceptor permits the grease and other light density substances to rise to the surface by the "flotation" principle of separation

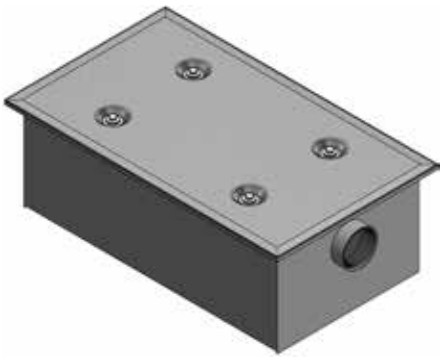
As our environmental laws have become more restrictive and maintenance costs have increased, public sewer departments have responded by tightening the list of materials allowed to flow into their systems. Severe fines may be levied on users found to be in violation. Grease that is removed from the drainage system as close as possible to its source and before it becomes contaminated with other material, can be sold to rendering companies and recycled into a variety of products. It can therefore become an economic asset rather than liability.

The specifying engineer should consider the following when specifying grease interceptors: construction / operation, flow control fittings, extensions, cover shrouds and draw-off valves, sizing, installation and maintenance.

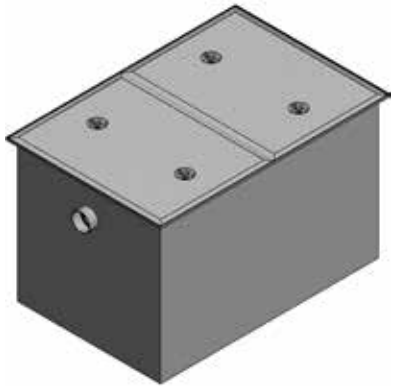
Grease Interceptor Styles



Manual Cleaning (Standard)



Manual Cleaning (Low Profile)



Large Capacity



Semi-Automatic Draw-Off



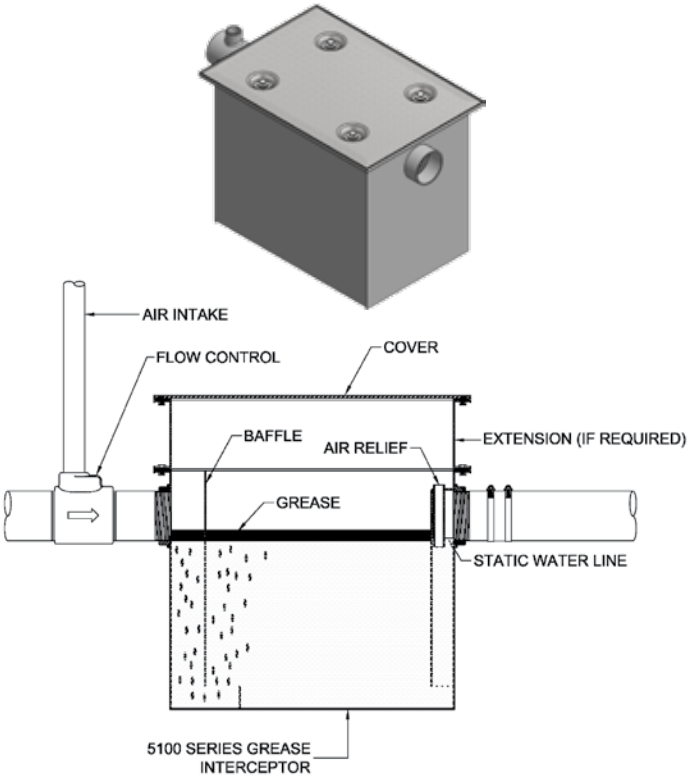
Semi-Auto Draw-Off (Low Profile)



Automatic Grease Recovery

Many Wade grease interceptors bear the PDI (Plumbing and Drainage Institute) seal. This seal on Wade's grease interceptors proves that the designs and ratings marked on the interceptor have met or surpassed all standards established by PDI. All of Wade's PDI approved grease interceptors are supplied with external, vented flow control fittings to ensure maximum performance. A detailed description of flow control fittings is on page 4.

GREASE INTERCEPTOR OPERATION



Our simple design is an application of the principle of nature's own law of gravity in separating lighter-than water wastes from heavier-than-water matter.

Waste water draining to the interceptor passes through the flow control device which regulates the velocity to a controlled rate. As water enters the interceptor, the baffle arrangement reduces turbulence to allow efficient separation. These light-density substances are retained in the Wade Separator. There is no straight in-and-out travel from the inlet to the outlet of the separator. The waste water, relieved of contaminates, continues to flow through the trap and into the drainage system.

The flow control device is designed with an integral orifice to achieve a predetermined optimum flow rate, thus eliminating turbulence and to regulate surges in the drainage line. The orifice opening in the flow control device is related to the size and flow rating of the grease interceptor. The standard orifice sizes are for gravity flow conditions where no pressure buildup is anticipated. Refer to Page 4 for additional flow control fitting applications. If an interceptor is operating at maximum flow levels, a pressure head may develop, which may cause an overload condition.

Factors Affecting Grease interceptor Performance

Velocity of incoming water

A higher velocity of water will contribute to turbulence and slow the grease separation process, thereby reducing efficiency. Installation of additional flow control devices at all the sources of flow may be required.

Grease to Water Ratio

Higher ratios of grease particles to the water will the lower the efficiency of the interceptor – If high ratios of water to grease are anticipated, increase the size of the interceptor one or two units.

Detergents in the System

Degreasing agents or grease cutting detergents will break down the liquid grease into minute particles that can cause slower separation time, thus allowing these particles to pass through the interceptor. Increasing the size of the interceptor will allow longer retention rates and improve the efficiency.

Flow Capacity

If maximum recommended flow rates are exceeded, the efficiency of the interceptor will be decreased. Either install additional flow controls devices at all sources of flow, or install a larger interceptor.

Specific Gravity of Filtrates

Grease has a lower specific gravity than water and will separate and rise to the surface quickly. If the waste water has food particles or solids having a higher specific gravity than water, these filtrates will accumulate at the bottom, eventually passing out of the interceptor. In high concentrates of solids are anticipated, the installation of a solids interceptor is recommended.

Installation Location

The interceptor should be located as close as possible to the source of grease. Piping to the interceptor could become clogged if the liquid cools prior entering the interceptor

SEMI-AUTOMATIC GREASE INTERCEPTORS

Wade's semi-automatic grease interceptors are manufactured with draw-off cones and are preferred in areas where excessive amounts of grease accumulates because the cleaning process is easier.

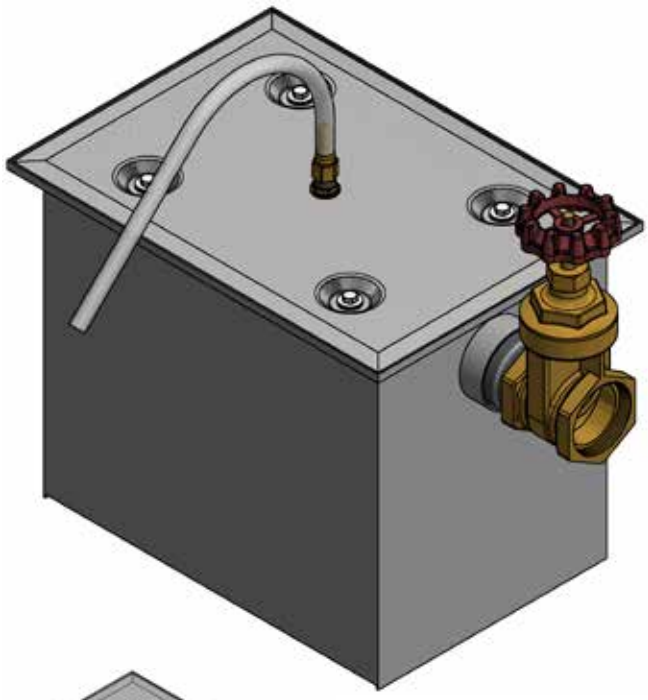
The draw-off closure valve is a gate valve that is connected to the outlet of the interceptor via a pipe nipple. When the accumulated grease is ready to be drawn off, the pipe cap on the top of the interceptor is removed and the draw-off hose is attached with a hose clamp.

After warming the interceptor with hot water from the fixture to liquefy the accumulated grease, the draw-off valve is closed to block water escaping through the outlet. Water from the fixture enters at a low flow rate to elevate the liquefied grease into the draw-off pyramid and through the hose to the disposal container. When clear water appears at the hose outlet, the draw-off valve is opened to drop the water level in the interceptor for normal operation.

This method of cleaning is more sanitary than typical manual methods.

A more simplified version incorporates a ball valve on the side of the interceptor body. When the interceptor has reached capacity, hot water from the fixture liquefies the accumulated grease. When the accumulated grease is ready to be drawn off, the valve is opened and the liquefied grease flows through to be captured in a container for disposal.

When clear water appears at the valve outlet, the draw-off valve is closed.





Grease Guardian - Grease Recovery Appliance

Grease Guardian®

Wade offers the X Series, a low maintenance electronic appliance which recovers grease from commercial piping systems.

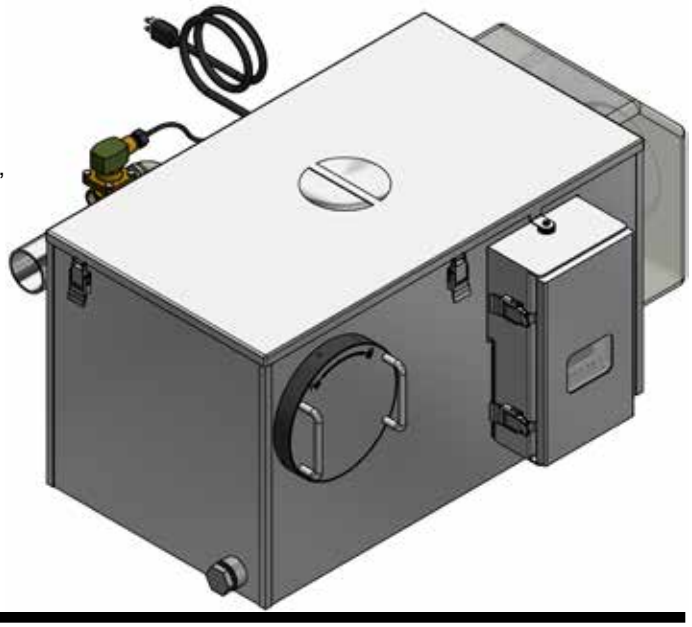
The Grease Guardian point source range is 7, 15, 20, 25, 35 and 50GPM. Centralized systems are available in 75 and 125 GPM.

The X Series is provided with a solids interceptor, incorporating a removable filter for less time-consuming removal of solids.

Automatic features, such as PLC logic control and grease draw-off, allow the unit to operate continuously, with less cleaning required by the user than other typical grease interceptors. Liquid grease is drawn out of the main separating chamber into a containment bag, which can be easily removed and replaced with another for quick, clean disposal. When properly installed, the X Series Grease Recovery Appliance greatly reduces maintenance, while yielding a high efficient effluent rating.

All Grease Guardians are manufactured in stainless steel which insures durability throughout the lifetime of the appliance.

For more information on the unique features and comprehensive techinical data, contact your local Wade representative for the Engineering Brochure.



FLOW CONTROL FITTING APPLICATION:

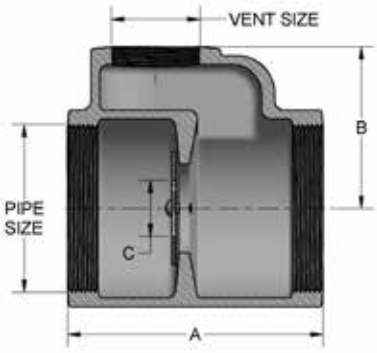
Flow control fittings are furnished at no extra cost with all Wade 5100 series grease interceptors. They are essential to achieve maximum efficiency.

FLOW CONTROL FITTING DESCRIPTION:

Flow control fittings insure 90% or more grease retention efficiency of the interceptor. When consideration isn't given to the flow rate of the waste water to be handled, the actual flow rate through the interceptor usually exceeds its rated maximum flow. With unregulated flow, the interceptor would be overloaded, and retention time within the unit would not be sufficient for maximum separation. The result would be low efficiency, and pollutants left in the waste water would pass through the interceptor, making the installation less than effective. When the flow is controlled by use of a flow control fitting, it can never exceed the maximum rating of the interceptor, and the interceptor when cleaned on a regular basis, the maximum pollutant retention efficiency will be achieved and maintained.

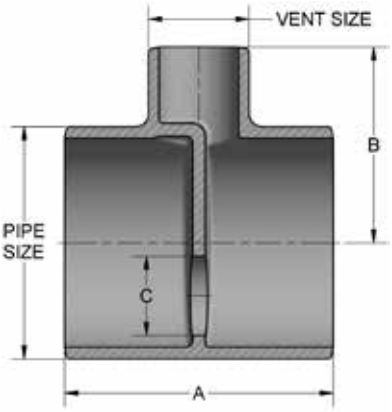
All flow control fittings are built with an air intake and should be connected to the vent stack or vent not lower than the flow level of the highest drain serviced or terminated in a return bend at the same elevation outside of the building. A vented flow control fitting improves the efficiency of the grease interceptor by introducing air into the body of the interceptor. As the air bubbles rise to the surface, they are coated with grease. This process brings grease to the surface faster, and, as a result, increases the efficiency.





Flow Control (IPS)					
Flow Rate (GPM)	Pipe Size	Vent Size	A	B	C
4	2”	1 1/4”	3 15/16”	2 11/16”	.500
7	2”	1 1/4”	3 15/16”	2 11/16”	.688
10	2”	1 1/4”	3 15/16”	2 11/16”	.844
15	2”	1 1/4”	3 15/16”	2 11/16”	1.00
20	3”	1 1/2”	5 5/16”	3 11/32”	1.156
25	3”	1 1/2”	5 5/16”	3 11/32”	1.313
35	4”	2”	6 11/16”	4 11/32”	1.500
50	4”	2”	6 11/16”	4 11/32”	1.875
Flow Control (No-Hub)					
4	2”	1 1/2”	5 1/16”	2 1/2”	.500
7	2”	1 1/2”	5 1/16”	2 1/2”	.688
10	2”	1 1/2”	5 1/16”	2 1/2”	.844
15	2”	1 1/2”	5 1/16”	2 1/2”	1.00
20	3”	1 1/2”	5 1/16”	3 1/4”	1.156
25	3”	1 1/2”	5 1/16”	3 1/4”	1.313
35	4”	1 1/2”	5 1/16”	3 11/16”	1.500
50	4”	1 1/2”	5 1/16”	3 11/16	1.875





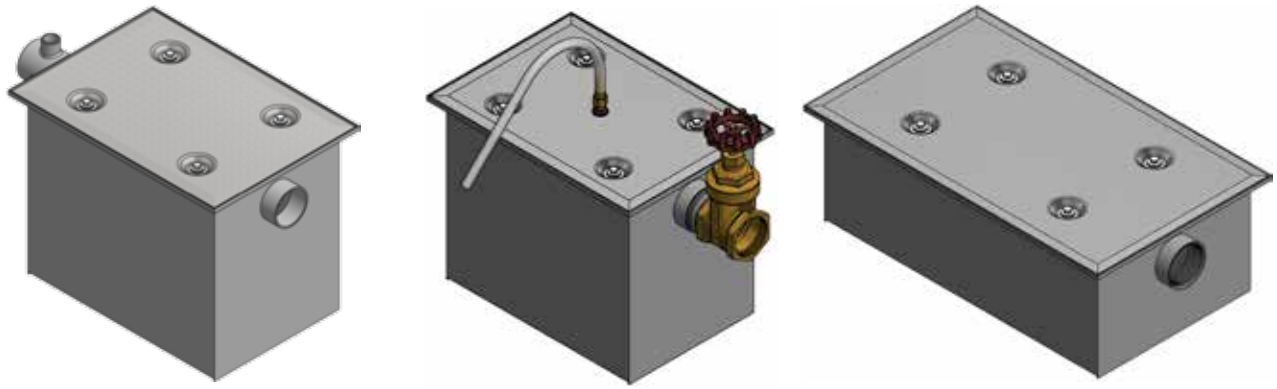
GREASE INTERCEPTOR SIZING

Reliable performance of any grease interceptor is dependent on its being correctly sized to handle the anticipated drainage load from the fixtures it serves. Each Wade interceptor is flow and capacity rated for easy selection when sizing requirements have been established and met.

Sizing is based on fixture drainage period, service required and volume of wastewater to be handled. These factors combine to establish the anticipated flow rate and the size of the interceptor required. The flow control fitting that is provided with every Wade grease interceptor sized 50 GPM and smaller, is installed in the fixture drain line ahead of the interceptor and controls the flow of drainage to the interceptor's rated capacity. This is especially important when the drainage load exceeds that for which the interceptor is sized to handle.

The flow control fitting, supplied with the interceptor, must be in position at all times. If this is removed, or not provided, the interceptor will not function to P.D.I. Standards.

If an interceptor is to be installed with the top level at the finished floor, an extension may be required. In that instance, the "H" dimension is required, (center line of inlet/outlet to top of the finished floor) and must be specified at time of ordering.



Grease Interceptor Sizing - PDI (Plumbing & Drainage Institute) Method

Sizing & Rating

Flow Rate (GPM)	4	7	10	15	20	25	35	50
Capacity (LBS)	8	14	20	30	40	50	70	100

Step	Formula	Example
1	Determine cubic content of fixture by multiplying length x width x depth	Sink 36" x 24" x 14" deep = 12,096 cubic in.
2	Determine capacity in gallons. 1 Gal = 231 cubic inches.	Contents in Gallons: 12,096 ÷ 231 = 52.36 Gal
3	Determine actual drainage load. Fixtures are normally filled to 75% of capacity plus the items being washed displace about 25% of the fixture content, thus Actual Drainage Load = 75% of the fixture capacity	Actual Drainage Load 52.36 Gal x 0.75 = 39.3 GPM
4	Determine flow rate and drainage period. Standard practice dictates a one minute drainage period. Where conditions permit, a two minute period is acceptable. Drainage period is the actual time required to completely drain the fixture. Flow Rate = Actual Drainage Load ÷ Drainage Period.	Calculate the flow rate for a one minute period: 39.3 ÷ 1 = 39.3 GPM For a two minute period: 39.3 ÷ 2 = 19.65 GPM
5	Select interceptor from the Sizing & Rating Table (above) which corresponds to the calculated flow rate. When the flow rate falls between two sizes, use the larger size.	For a one minute period: 50 GPM Interceptor For a two minute period: 20 GPM Interceptor

Alternate Sizing Method

(Based on Drainage Fixture-Units

Fixture Outlet (Trap Size)	Drainage Fixture Unit Valve	GPM Equivalent	PDI Interceptor Size
1-1/4"	8	7.5	10
1-1/2"	2	15	15
2"	3	22	25
2"	4	30	35
3"	5	37.5	50
4"	6	45	50

INSTALLATION CONSIDERATIONS

Install interceptor as close as practical to fixture or fixtures being served, see figures 1 through 4. The interceptor may be set on the floor, partially recessed in the floor, with top flush with the floor, or fully recessed below the floor to suit piping and structural conditions. Anticipate sufficient clearance for removal of interceptor cover for cleaning. Avoid installation wherein long runs of pipe (exceeding 25 feet) are necessary to reach interceptor. This precaution will preclude the possibility of pipeline becoming clogged with congealed grease that will collect before reaching the grease interceptor. Do not install a grease interceptor in waste lines from garbage grinders. Garbage grinder waste must by-pass interceptor. Rapid accumulation of solid matter will greatly reduce grease interceptor efficiency preventing operation in compliance with rated capacity.

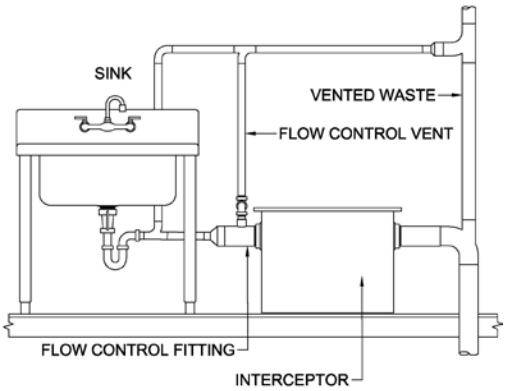


Figure 1 Interceptor Serving Individually Trapped and Vented Sink - Flow Control Air Intake Intersects Vent

FLOW CONTROL

The flow control fitting furnished with PDI certified interceptors must be installed ahead of interceptor in the waste line beyond the last connection from the fixture and as close as possible to the underside of lowest fixture. When waste of two or more sinks or fixtures are combined to be served by one interceptor, a single flow control fitting should be used. Air intake for flow control may terminate under sink drain board as high as possible to prevent overflow or terminate in a return bend at the same height and on outside of building. When fixture is individually trapped and back-vented, air intake may intersect vent stack. All installation recommendations subject to approval of code authority.

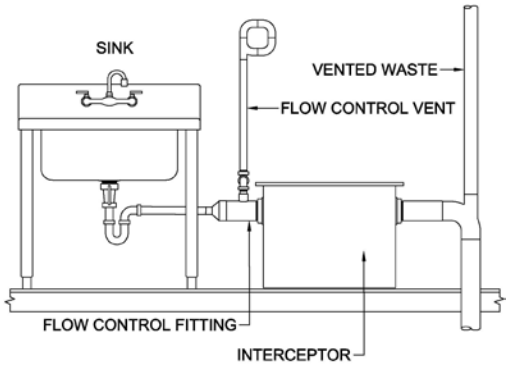


Figure 2 Interceptor Serving Individually Trapped and Vented Sink - Flow Control Air Intake Terminates in Loop Vent Above Flood Level

VENTING

Grease interceptors must have a vented waste, sized in accordance with code requirements for venting traps to retain water seal and prevent siphoning.

MULTIPLE FIXTURE INSTALLATION

One interceptor to serve multiple fixtures is recommended only where fixtures are located close together. In such installations, each fixture should be individually trapped and back-vented.

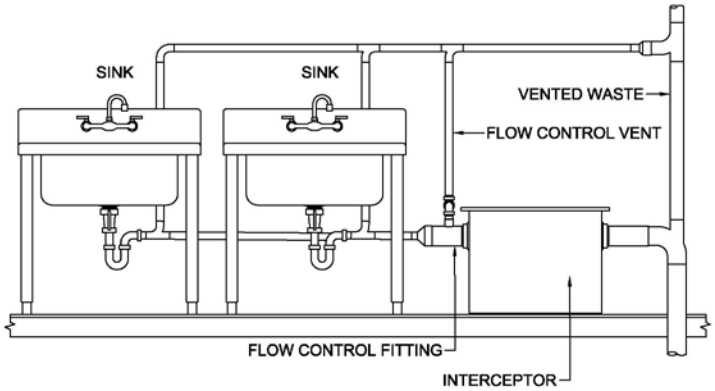


Figure 4 Interceptor Serving Two Individually Trapped and Vented Sinks - Flow Control Air Intake Intersects Vent

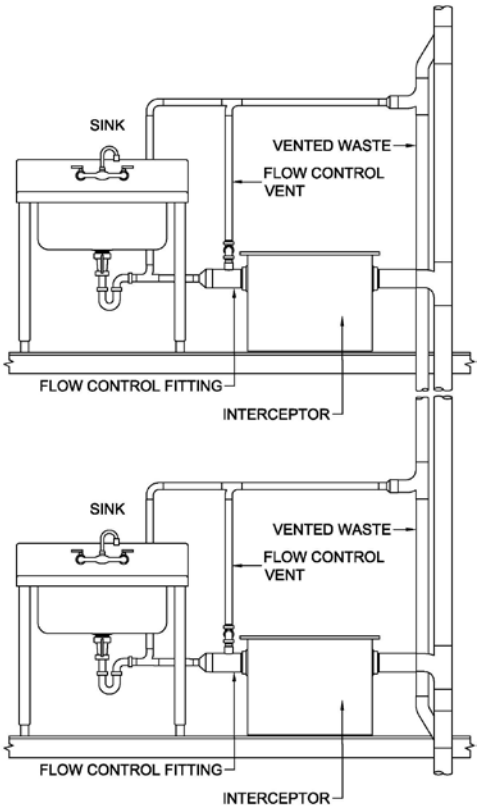


Figure 3 Interceptor Serving Multi Floor Individually Trapped and Vented Sinks - Flow Control Air Intake Intersects Vent

GREASE INTERCEPTOR CONSIDERATIONS

DISHWASHERS

A separate grease interceptor is recommended for each commercial dishwasher. The size of the interceptor is determined by the GPM discharge rate of the dishwasher as specified by the manufacturer.

FLOOR DRAINS

Many local plumbing inspectors require that grease laden wastewater flowing into floor drains must flow through a grease interceptor before draining into the sanitary sewer system. In these instances, the flow control fitting must be installed underground, before the inlet to the interceptor, to moderate the flow from the floor drains and to ensure maximum performance. Consideration should be given to providing access to the flow control fitting in these installations for proper cleaning and maintenance. The Wade extended cover shroud is best used in these situations because it is long enough to house the grease interceptor and the flow control fitting beside the inlet.

MAINTENANCE GENERAL CONSIDERATIONS

To obtain optimum operating efficiency of a properly sized and installed PDI certified grease interceptor, a regular schedule of maintenance must be adhered to. All PDI certified grease interceptors are furnished with manufacturer's operating and maintenance instructions, which must be followed to insure efficient satisfactory operation.

CLEANING

All grease interceptors must be cleaned regularly. The frequency of grease removal is dependent upon the capacity of the interceptor and the quantity of grease in the waste water. Grease removal intervals may therefore vary from once a week to once in several weeks. When the grease removal interval has been determined for a specific installation, regular cleaning at that interval is necessary to maintain the rated efficiency of the interceptor. After the accumulated grease and waste material has been removed, the interceptor should be thoroughly checked to make certain that inlet, outlet and air relief ports are clear of obstructions.

DISPOSAL OF INTERCEPTED MATERIALS

Grease and other waste matter that has been removed from the interceptor should not be introduced into any drain, sewer, or natural body of water. This waste matter should be placed in proper containers for disposal. Where recovery of grease is desired, it can be handled in a manner suitable to the authorities.

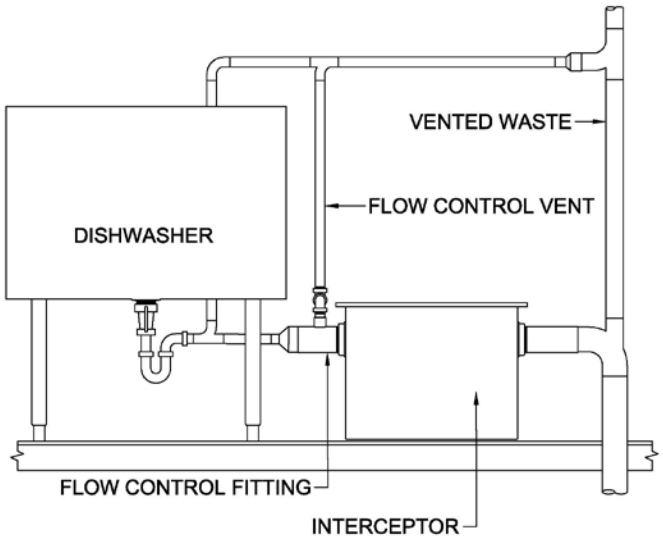


Figure 5 Interceptor Serving Dishwasher - Flow Control Air Intake Terminates Above Flood Level

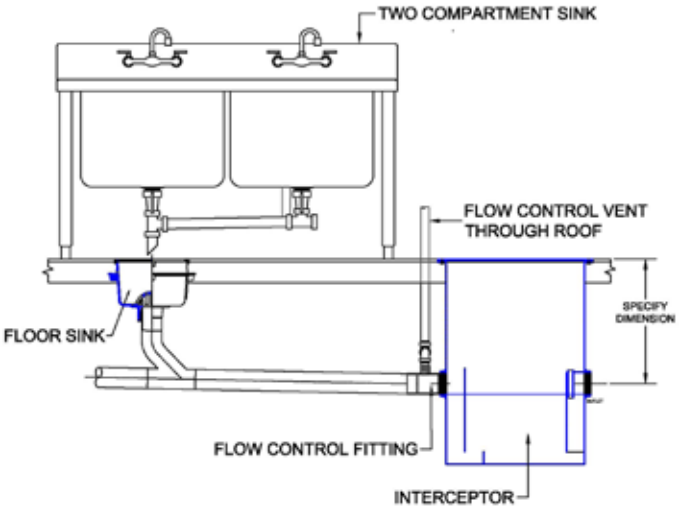


Figure 6 Interceptor Serving Two Compartment Sink Through 5760 Solids Interceptor - Flow Control Air Intake Terminates Above Flood Level

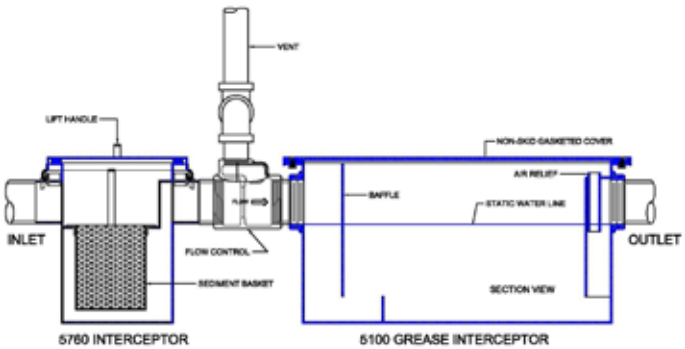


Figure 7 Interceptor Serving Two Compartment Sink Through 5760 Solids Interceptor - Flow Control Air Intake Terminates Above Flood Level

PURPOSE

Wade oil interceptors are used in plumbing waste systems to help protect property and the environment against explosion, fire, and pollution. Wade oil interceptors are designed similar to the grease interceptors. Both work on the principle that oils are lighter than water and thus gravity causes the oil to rise and the water to fall. Wade oil interceptors come equipped with a removable sediment bucket on the inlet to trap stones, grit, and other debris. Their perforated flow-diffusing baffle eliminates turbulence and allows for high efficiency of separation.

All Wade 5400, 5401, 5500 and 5501 oil interceptors are supplied with an oil draw-off valve assembly. The interceptors are constructed of 100% steel, coated with a gray acid resistant Armor Coat finish. If you require an oil interceptor not listed call contact your local Wade Representative or send your requirements to the Wade Engineering Department for assistance.

HOW THE WADE OIL INTERCEPTOR OPERATES

The baffle plates opposite the inlet of the oil interceptor diffuse the flow into the interceptor and lessen the turbulence of the oil laden water as it enters the intercepting chamber. Solids and sludge carried in the water are stopped by the baffle and held in the solids retaining bucket between the inlet and the flow-retarding baffle. Such accumulation can then be removed. The resulting quiet, even flow of water through the interceptor permits the oils and other light density substances to rise to the surface by the “flotation” principle of separation.

Maximum separation and interception is affected in proportion to the elimination of turbulence of wastewater within the interceptor. The unique Wade baffle plate design permits almost 90 percent of the interior of the interceptor to be used for the function of oil separation.

INSTALLATION CONSIDERATIONS

Install interceptor as close as practical to the fixture or fixtures being serviced. The interceptor may be set on the floor, partially recessed in the floor with top flush with the floor, or fully recessed below the floor to suit piping and structural conditions. Anticipate sufficient clearance for removal of interceptor cover for cleaning. Also, take into consideration the placement of flow control fitting, vent requirements, and draw-off piping. Note: All oil interceptors must be vented to atmosphere.

INTERMITTENT FLOW

The maximum amount of waste water containing non-soluble oil that can be discharged through any listed separator is two (2) times the stated flow rate in gallons per minute (g.p.m.). For example, a separator rated at 50 g.p.m. may only have 100 gallons discharged through it in a one-hour time period. This is usually accomplished by a batch dumping process. However, 100 gallons may be discharged continuously if the flow rate is monitored at the rate of 1.66 g.p.m.

Recommended Installations

- Commercial Uses
- Industrial Uses
- Filling and Service Stations
- Machine Shops
- Maintenance Garages
- Refineries
- Airport Hangars
- Fabrication and Welding Plants
- Laundries and Cleaning Establishments
- Foundries
- Parking Facilities

SIZING

The gallons-per-minute rate of flow through the drainage line into the interceptor is the main consideration in selecting the proper size oil interceptor. In addition, the viscosity characteristics and probable amounts of oils and other light density substances to be separated should be taken into consideration since the volume involved may influence the intercepting chamber size. The larger the interceptor, the higher the flow rate it will handle efficiently and the larger quantity of oil it will separate. If the oil interceptor is too small, an overload condition will develop and some of the oil will be carried through the oil interceptor in the wastewater and pass into the drainage system. Overload conditions may also cause water levels in the trap to rise, thus water will be drawn off through the oil draw off.

FLOW CONTROL

The Wade flow control must be installed properly in every installation. An oil interceptor correctly designed to separate oil and light density substances from wastewater, will not by itself govern or regulate the flow of water through it at all times to sufficiently assure the flotation separation of the entrained substances which are to be intercepted at maximum efficiency.

The flow control, designed with an integral orifice, gives a per-determined optimum flow rate and thus assures the elimination of turbulence in the oil interceptor, which could otherwise occur from sudden surges through the drainage line.

The orifice openings are related to the size and gallons per minute rating of the oil interceptor. It should also be noted that standard orifice sizing is for gravity flow conditions where no pressure build-up is considered. If an interceptor is operating at maximum flow levels, a head may develop, in which case overload conditions may still exist. Refer to Wade flow control literature for orifice sizing under pressure head conditions.

VENTING

All oil interceptors must be vented to atmosphere and are furnished with vent connections of 1-1/2” IPS on both the right and left hand side of the interceptor as specified to suit the installation. If necessary, the vent connection can be changed from one side to the other at the time of installation.

The vent connections are located above the adjustable gravity oil draw-off standpipe and in the intercepting chamber on the upstream side of the trap seal. Thus, the volatile gases rising from the intercepted substances are carried from the interceptor to the atmosphere.

ADJUSTABLE DRAW-OFF (5400, 5401, 5500 and 5501)

Wade oil interceptors are furnished with a 1-1/2” IPS adjustable oil draw-off assembly. This draw-off can be furnished on either the right- or left-hand side of the interceptor. The oil draw-off consists of an adjustable pipe fitting on the inside of the intercepting chamber, and a pipe connection from the internal adjustable standpipe on the side of the oil interceptor body to connect to an oil drain line from the oil interceptor to an oil storage tank. The adjustable standpipe can be raised or lowered inside the interceptor chamber to the proper height for draining off the separated oils and similar light density substances that have separated and floated to the surface of the interceptor chamber.

After the oils and other substances have been accumulated in the interceptor, they can be drained from the interceptor chamber by gravity flow through the internal standpipe. The standpipe is adjusted so that the opening is located at the top of the water flow level in the interceptor chamber and at the bottom of the intercepted substances floating on the top surface of the interceptor. There is no need to manually skim or dip out the oil, since the oil will drain off by gravity flow through the adjustable draw-off standpipe after it has been properly adjusted and tightened.

HOW TO SET THE ADJUSTABLE DRAW-OFF

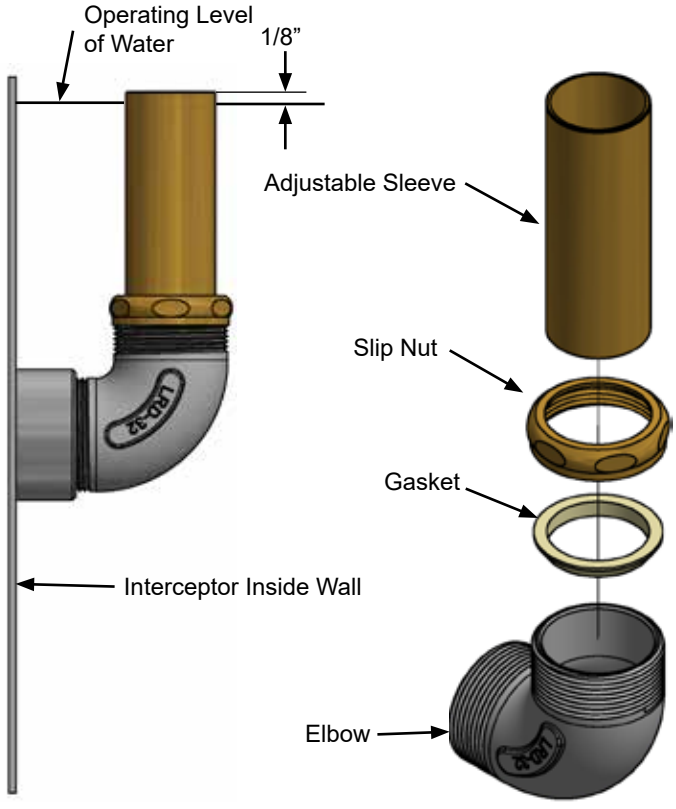
The Wade oil interceptor should be completely installed and all connections made, including the adjustable draw-off.

Clean water is then run through the oil interceptor at the gallons per minute rate of flow to the size of the interceptor. This establishes the operating water level. This water level is marked on the inside of the intercepting chamber.

The marking of the operating water line must be done while the flow is going through the interceptor. If the mark is established at the static water line, excess amounts of water will enter the gravity draw-off sleeve when the flow rate through the interceptor increases to its rated capacity, in which case the draw-off sleeve would become submerged.

The adjustable sleeve in the draw-off standpipe should be set such that the top of the sleeve is 1/8” above the operating water level mark.

After the oil interceptor is put in operation and a film of oil and low density substances has accumulated at the surface, the adjustable draw-off setting should be checked by taking samples while the oil interceptor is in operation. If the sleeve is properly set, no water will drain off with the oil, and the adjustable sleeve should be moved up or down until only oil and no water comes through the draw-off standpipe.



OIL INTERCEPTORS

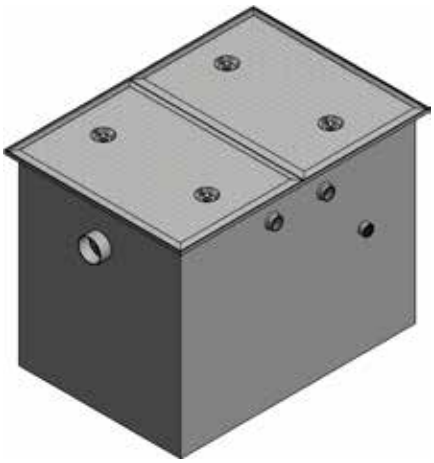
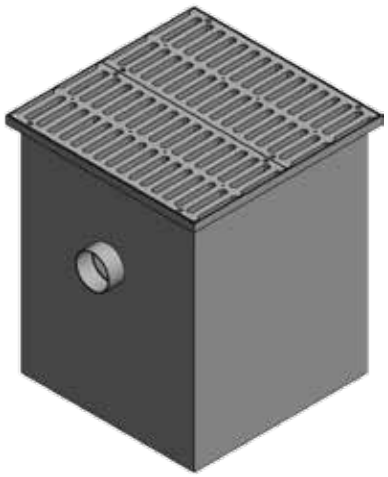
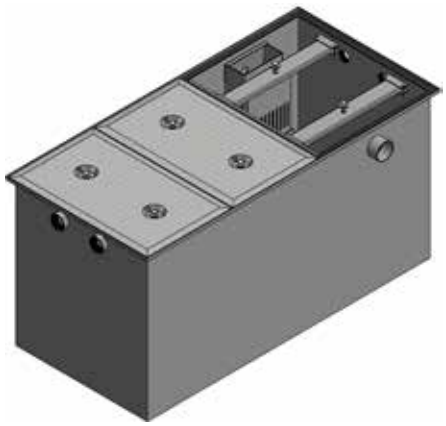
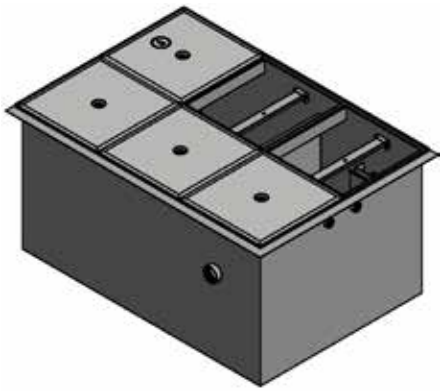
APPLICATION:

Wade Oil Separators are designed to receive, directly from plant equipment or floor drains, various kinds of oils, gasoline, kerosene, naphtha, benzene, other volatile liquid waste, and sludge. They retain this harmful waste matter and prevent its entry into the drainage system, providing triple advantages. These drain lines may be from areas in parking garages, machine shops, service stations, aircraft hangars, industrial and manufacturing facilities.

ADVANTAGES: The safe retention of this flammable material reduces:

1. The hazards of fire and explosions inside the building
2. The pollution of our soil and waterways caused by the indiscriminate disposal of waste material, and
3. The loss of a salable or reusable by-product.

The basic requirement for efficient retention of non-soluble oil or other volatile liquid wastes is the absence of turbulence in the waste water movement. This is accomplished in the Wade Separator by its design for maximum water travel without agitation and by the filtering action of its screens. The combination of two separating baffles and a flow-regulator reduces the turbulence to allow proper separation, and prevents the evacuation of solids into the drainage system.

Oil Interceptor Styles		
10 - 50 GPM	**75 - 100 GPM**	**4 - 300 GPM**
		
5400 - Standard Capacity	**5401 - Large Capacity**	**5800 - Oil / Sediment Drains**
		
5500 - Standard Capacity w/ Integral Storage	**5501 - Large Capacity w/ Integral Storage**	**5810 - Oil / Sediment Drains**

OIL INTERCEPTORS

CONSTRUCTION

Wade oil separators are built of all-welded steel plate for maximum strength and durability. Both the interior and exterior are coated to resist acid corrosion. These units have removable covers for on-the-floor, partially recessed or flush-with-floor installation, suitable for pedestrian traffic or reinforced covers for heavy traffic. The cover is secured to the body with recessed bolts and includes an extra-heavy leak-proof gasket. Separating screens and a flow-regulator filter screen regulate flow and filter waste water, making outside flow control or retarder unnecessary. An extra-large inlet compartment has adjustable oil draw-off. Independent internal vent connection on the inlet compartment dissipates excessive fumes and vapors from evaporating gases and volatile liquids. The outlet of the separator is vented to prevent siphoning of its contents into the drainage system. All units are available in double-wall construction with leak detection if specified.

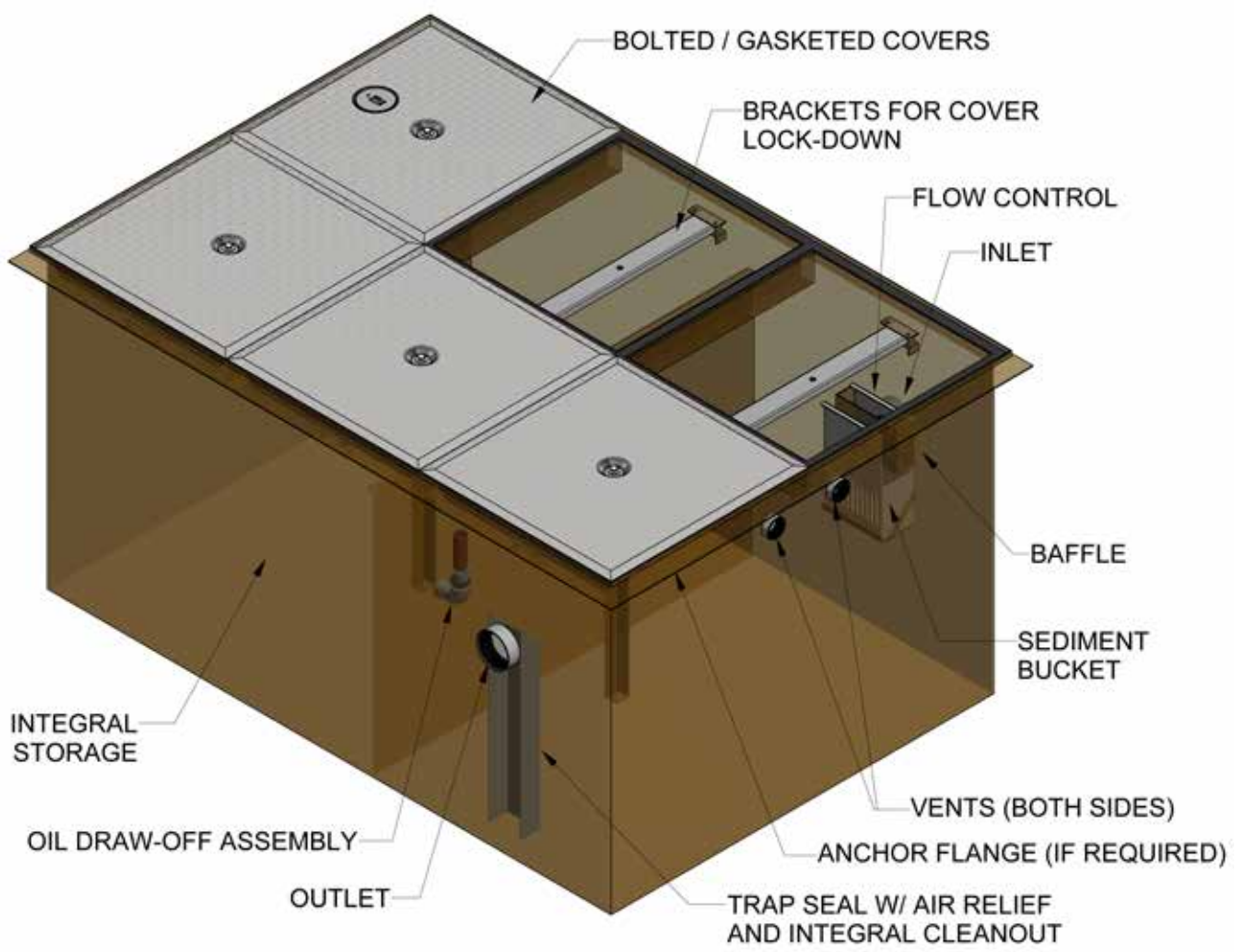
DESIGN:

Wade oil interceptors are designed to protect against water pollution by preventing oils and sediment in waste water from entering drain lines. The design allows intercepted oils to be drawn-off automatically for storage continuously during operation. Sediment should be removed from the interceptor at regular intervals.

SIZING:

Determine maximum volume of waste water in G.P.M. or L.P.M., by summing volumes of all discharging fixtures that may enter the drain lines at one time.

Select oil interceptor with flow rating equal to peak volume in G.P.M. or L.P.M. (see table on shop drawing.) Provide storage tank capable of handling the volume.

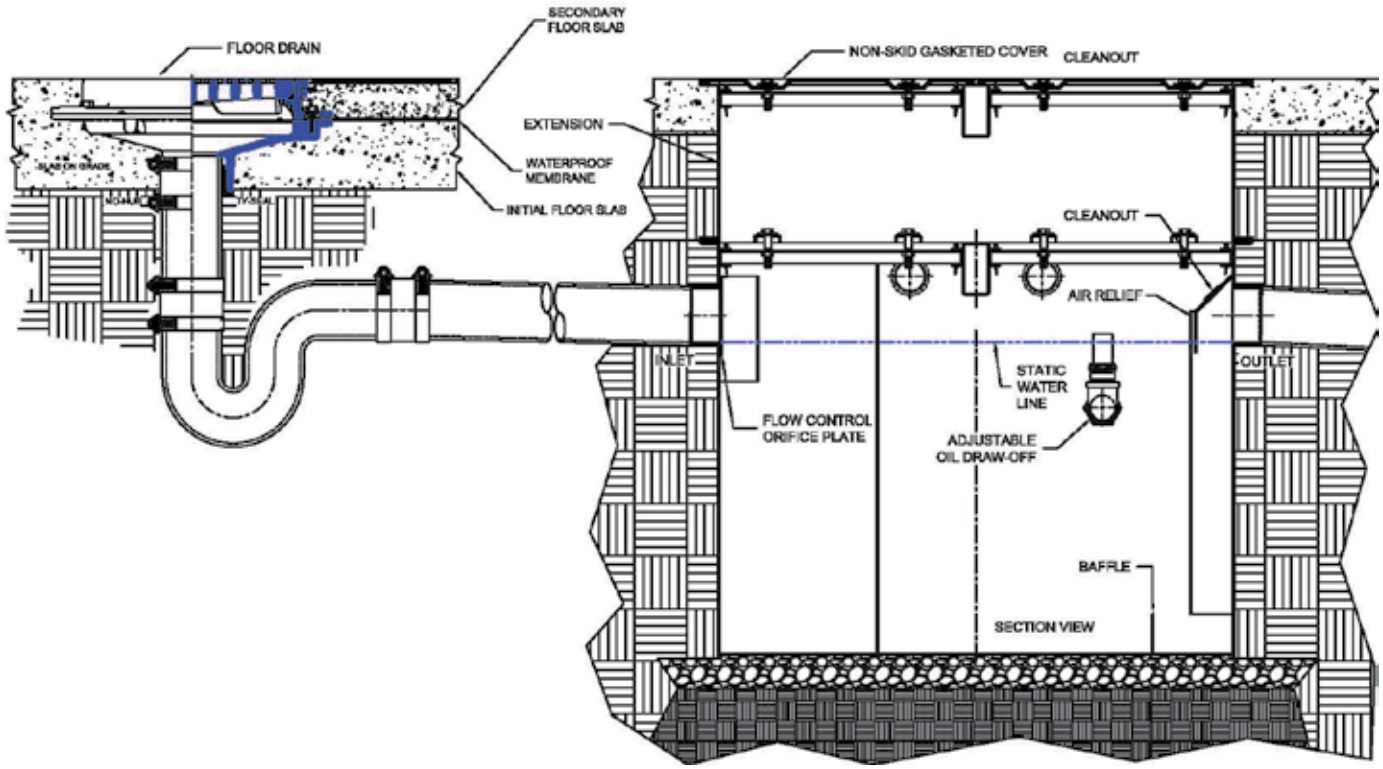


OIL INTERCEPTORS

INSTALLATION

Place the Wade interceptor downstream of the drain which will supply the oil laden liquid. If the interceptor is to be installed below grade, insure an extension is provided to make the centerline of inlet to finished grade dimension. Compacted fill and/or gravel is recommended for support of the combined weight of the interceptor and the weight of the water.

Piping from the appliances can then be routed to the inlet side of the interceptor. Connect piping from the outlet side to the oil interceptor or recovery device. If a flow control device is provided with the grease interceptor, it should be installed between the interceptor and the drain. Complete the piping on the outlet side to the sanitary sewer.



HIGH LEVEL ALARM

Function: The purpose of the high level alarm system is to monitor and send an audible and visual alarm when the oil capacity is approximately 75% full. High level alarm systems can be installed on any Wade oil interceptor with integral storage tanks to allow the facility to monitor oil levels. This allows the interceptor to be maintained when required.

Alarm Panel with visible red indicating light, audible horn, normal/silent/test switch, power cord, plastic housing with mounting holes and stainless steel high level float switch. Automatic Alarm Reset. Leak Detection monitors for double wall construction are also available.

Specifications:

- NEMA 4x Thermoplastic Enclosure
- Red Lexan Alarm Light 360° Viewable
- Alarm Test-Normal-Silent Toggle Switch
- 120 VAC Power Cord—6' Long
- High Level Stainless Steel Float Switch
- Audible Alarm Horn (85 db @ 10') Solid Tone
- Liquid Tight Plastic Cord Grips



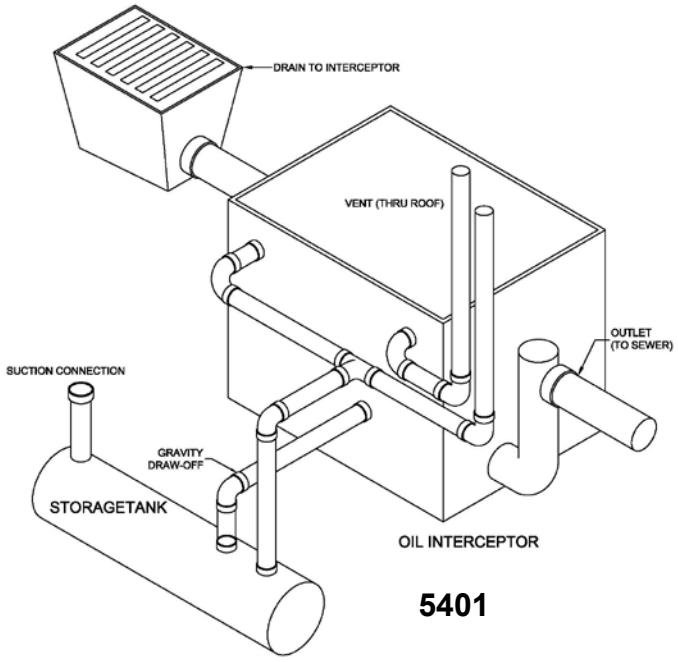
OIL INTERCEPTORS

INSTALLATION - VENTING

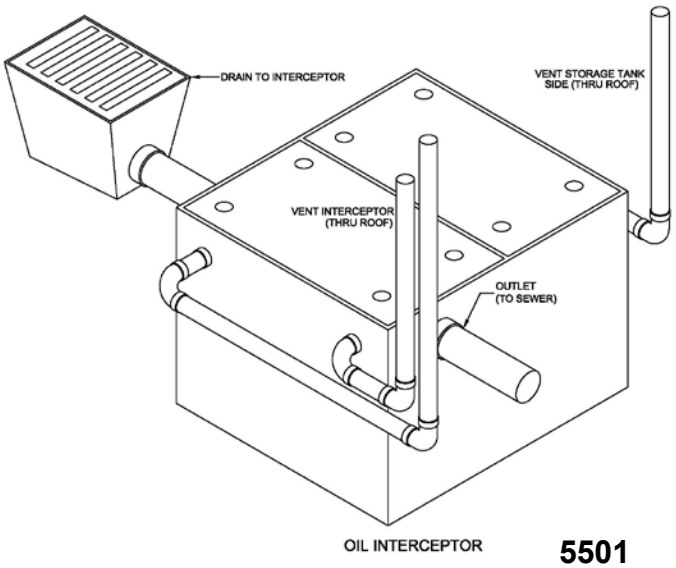
Oil interceptors must have a vented waste, sized in accordance with code requirements for venting traps, to retain a water seal and to prevent siphoning.

All Wade oil interceptors are furnished with IPS threaded vent and draw-off connections on both the right and left hand sides of the interceptor with plugs in one side. If necessary, the vent and draw-off connections can be changed from one side to the other at the time of installation, by switching the plugs.

The vent connections are located above the adjustable gravity oil draw-off standpipe in the intercepting chamber. Thus, the volatile gases rising from the intercepted substances are carried from the interceptor to the atmosphere.



5401



5501

TYPICAL CODE REGULATIONS

Vehicle servicing. When an oil interceptor is installed in an automobile, truck, bus, or tractor garage or in a service station or repair shop with facilities for motor or transmission overhauling, it must have a minimum static water depth of 24 inches (600) below the invert of the interceptor outlet and a minimum static water capacity of 6 cubic feet. This regulation applies to facilities where not more than three vehicles are serviced. For each additional vehicle up to and including ten, 1 cubic foot of static capacity shall be added. For each vehicle over ten, an additional 0.25 cubic foot shall be added. Vehicle storage and servicing. Where motor vehicles are serviced and stored, an oil interceptor shall be installed with a static water capacity of 1 cubic foot for every 100 square feet of area to be drained. The oil interceptor shall have a minimum static water level of 6 cubic feet.

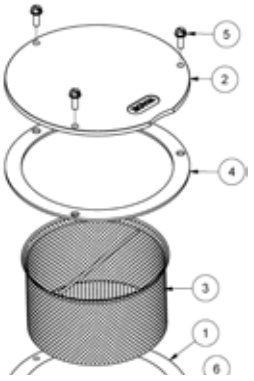
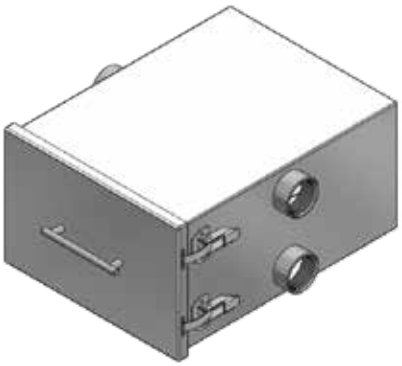
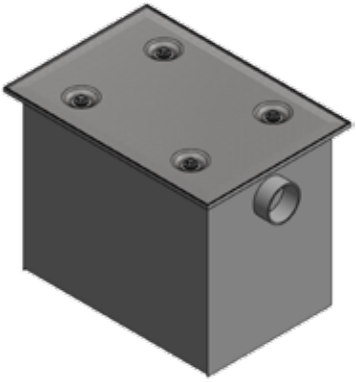
Mechanical car washing. In facilities designed especially for mechanical washing of motor vehicles, a sand and gravel interceptor shall be installed to receive the waste water from all washing facilities. A minimum static water level of 2.5 feet and a minimum static water capacity of 50 cubic feet shall be maintained. Where motor cleaning services are rendered at mechanical car washing facilities, an oil interceptor shall be installed in that section of the drainage system which receives waste water from this operation.

Vehicle storage. In motor vehicle storage facilities, a combination interceptor-drain shall be installed with a static water level of 1 gallon for every 100 square feet of area to be drained. Manual car washing. In a one-car washing facility, a combination interceptor-drain shall be installed with a minimum static water capacity of 30 gallons.

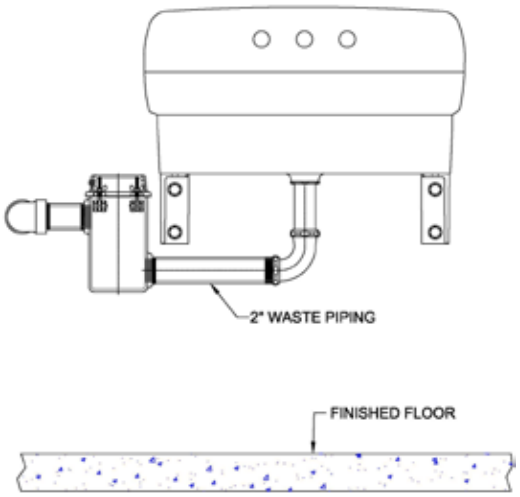
GENERAL INFORMATION

The interception and retention of solids cannot be overlooked. Materials such as hair, grindings, ceramic waste, plaster, dental wastes, aquarium and other small gravel, jewels and precious metals are a few solids that should pass through a solids interceptor before entering the waste drain line. Deleterious solids should be intercepted to prevent clogging of the drainage lines and valuable materials require interception for retrieval.

Wade manufactures a complete line of solids interceptors designed to handle any waterborne solids. Most often these interceptors replace the standard traps of the fixtures they serve. The solids interceptor with a low inlet and high outlet becomes the fixture trap. Solids interceptors are manufactured with easily removable strainers or sediment baskets that serve to retain the intercepted solids while allowing water to flow through. It is good engineering practice to specify a solids interceptor immediately before a grease interceptor so that all debris and solid wastes are caught in the solids interceptor before they enter the grease interceptor. This will ensure that the grease interceptor is not filled as quickly with solid wastes that will only impair its efficiency. In addition, most foul odors from grease interceptors are from rotting solids, not from the grease itself. Proper separation of these solids will reduce the odor problem typically experienced with grease interceptors filled with rotting solids.

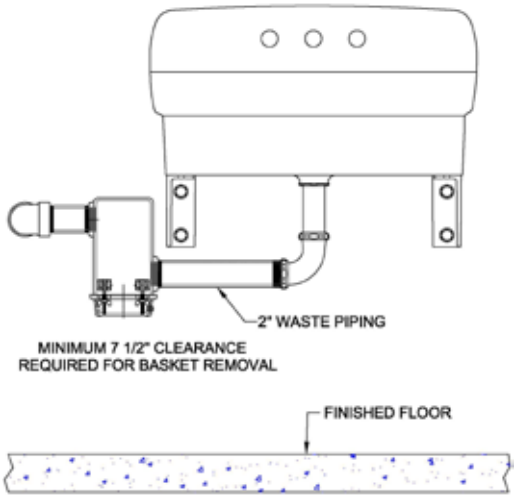
SOLIDS INTERCEPTOR STYLES		
5720 (Top Access)	**5730** (Bottom Access)	**5740** (Large Capacity)
		
5741 (Large Capacity)	**5750** (Bottom Access)	**5760** (Top Access)
		
5770 (Side Access)	**5790** (Side Access)	**5830** (Top Access)
		

TYPICAL INSTALLATIONS



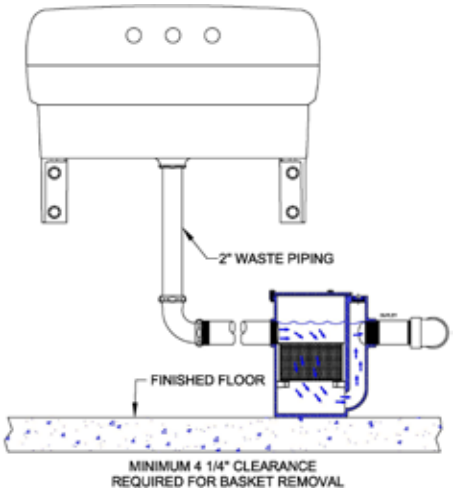
listalled on Service Sink

5720



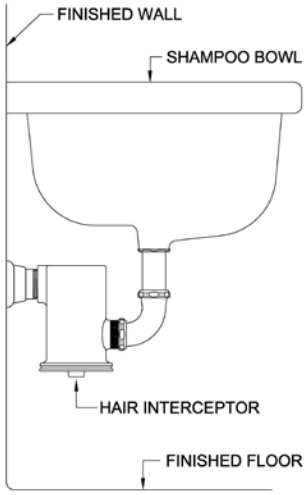
listalled on Service Sink

5730



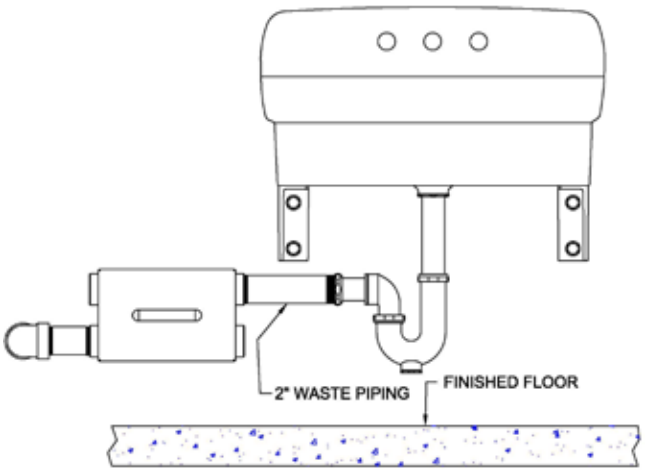
Installed on Service Sink

5740



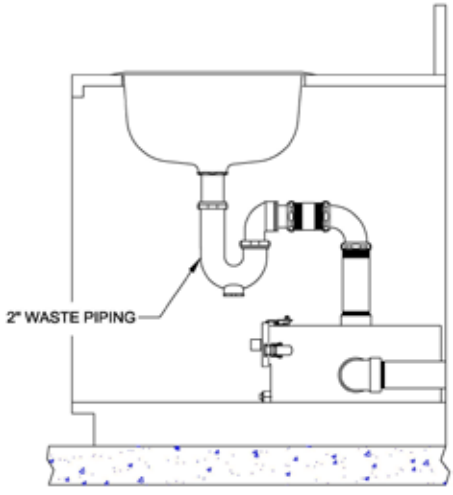
Installed on Shampoo Bowl

5750



Installed on Service Sink

5770



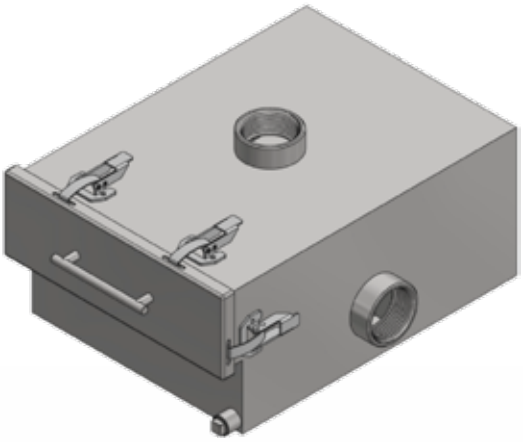
Installed on Sink Inside Counter

5790

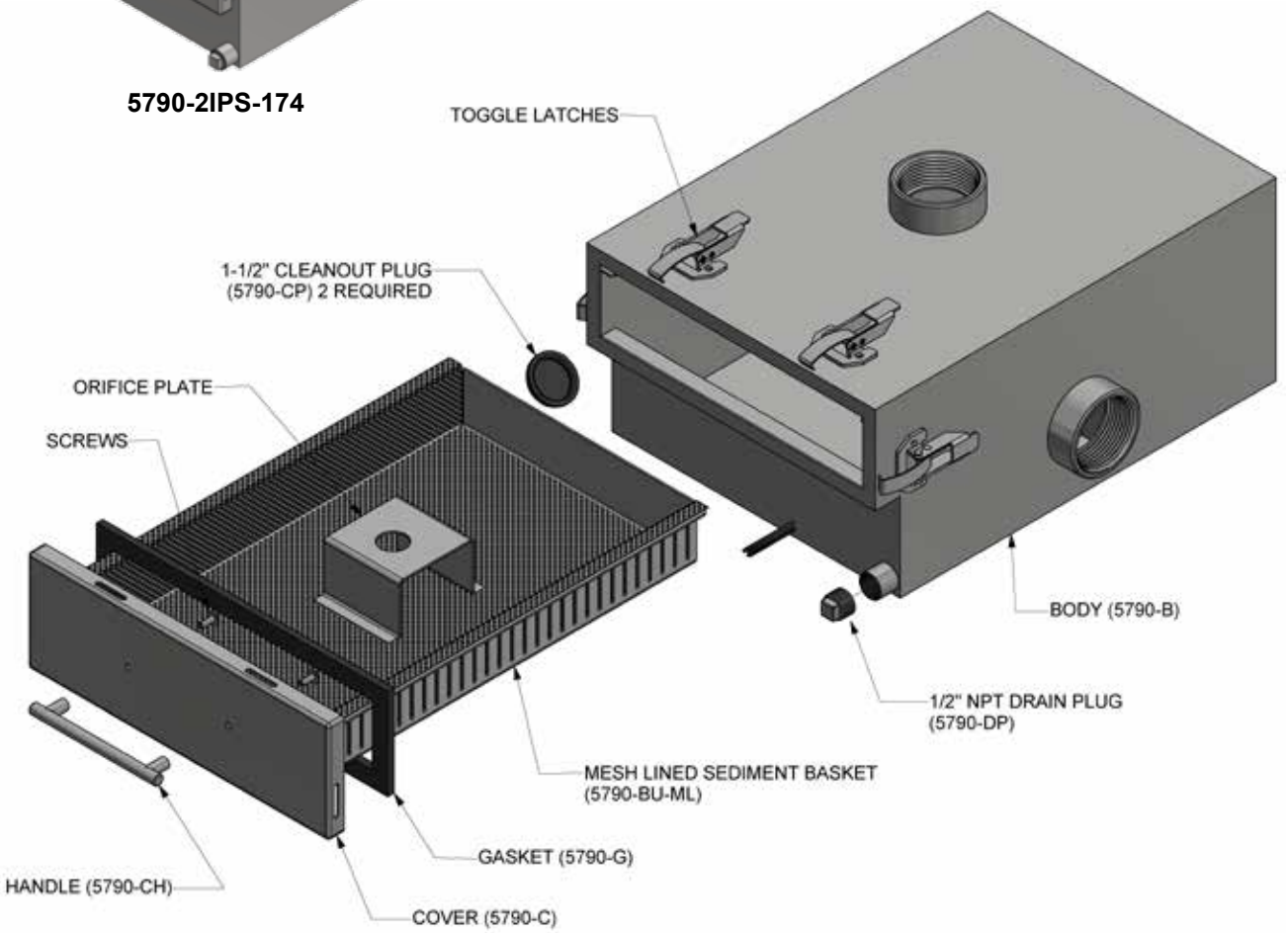
SOLIDS INTERCEPTORS

UNDER-COUNTER

The interception and retention of solids for school laboratories and art studios often present installation challenges. Materials such as grindings, ceramic waste, plaster, dental wastes, aquarium and other small gravel, jewels and precious metals are a few solids that should pass through a solids interceptor before entering the waste drain line. These solids should be intercepted to prevent clogging of the drainage lines and in some cases, retention of valuable materials for retrieval. Often the sinks in these institutions are counter mounted and space is limited. Wade offers several styles of side access solids interceptors to meet most space requirements.



5790-2IPS-174



CONSTRUCTION

Wade lint separators are built of all-welded steel plate for maximum strength and durability. Both the interior and exterior are coated to resist acid corrosion. These units have removable covers for on-the-floor, partially recessed or flush-with-floor installation, suitable for pedestrian traffic or reinforced covers for heavy traffic. The cover is secured to the body with recessed bolts and includes an extra-heavy leak-proof gasket. Separating screens filter waste water, making an outside flow control or retarder unnecessary. The outlet of the separator is vented to prevent siphoning of its contents into the drainage system.

DESIGN

Wade lint interceptors are designed to protect against clogging of drain lines by preventing lint, string, stones, buttons and sediment in waste water from entering drain lines. Lint and sediment should be removed from the interceptor at regular intervals.

SIZING

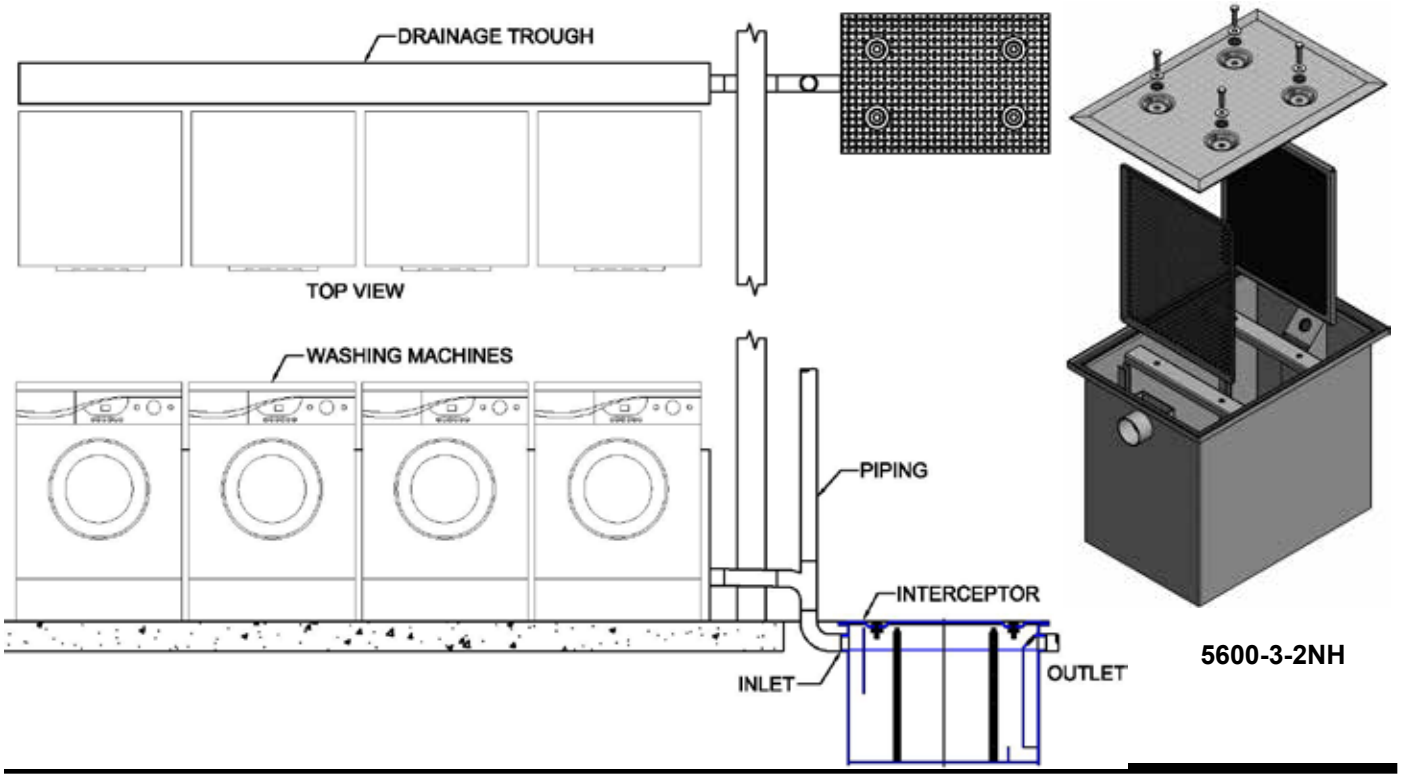
The sizing of Wade 5600 lint interceptors is based upon the number of washing machines it will service. Most coin-op washers are vertical-axis and have a Water Factor rating of 9.5 to 14; using 35 to 45 gallons per load. While many laundromats include a few large capacity horizontal-axis washers (Water Factor ratings of 6 to 8.5), these are usually a small minority of the machines installed in most facilities. Newer HEW models have a Water Factor rating of 4 to 8; using as little as 15 gallons per load. Using a worst case estimate of 45 gallons per load and all machines cycling, peak usage for each machine will be 9 gallons per minute. This estimate is based upon a 5 minute cycle. Wade interceptors are sized by the free area of screen in relation of free area of the outlet - the minimum ratio is 25:1.

OPERATION

Waste water from the washing machine flows from the inlet piping into the interceptor primary chamber, passing through the fixed primary screen then through the removable secondary screen element. Debris, and lint are trapped by the elements and water exits the interceptor into the sanitary drainage system.

MAINTENANCE

Cleaning should be done on a regular basis before screens become clogged. Remove the cover and clean debris from the primary chamber. Remove the secondary screen and clean off any lint build-up. Reinstall the screen assembly. Check the cover gasket to insure it is intact and clean. Lubricate the cover gasket periodically with a light coat of petroleum jelly. This will prevent the gasket from adhering to the cover and aids in maintaining the seal. The cover should be replaced and secured. Efficiency is directly related to a regular maintenance schedule.



5600-3-2NH

SAND INTERCEPTORS

For use in mechanical washing facilities for cars, trucks, buses, tractors, and other vehicles. For inside or outside installation, to receive sand, gravel, and similar matter as well as any oil and greasy waste contained therein. There is no straight in-and-out travel of waste water.

DESIGN

The Wade 5900 Series Separator is designed for the specific purpose of retaining and separating sand, gravel and similar waste material, in addition to any oily or greasy wastes contained therein. This is accomplished through the characteristic features of minimum turbulence, maximum length of water travel, and internal flow regulation through its screens.

The Wade design utilizes the principle of nature's own law of gravity in separating lighter-than-water waste, retaining both in the separator. Light oily and greasy waste matter rises to the surface, while the heavy solids and sand sink to the bottom (refer to cut-open view below). Mechanical pumping is the customary method of cleaning out the accumulated waste matter.

CONSTRUCTION

Built of all-welded steel plate for strength and durability. Removable covers constructed of 3/16" nonskid diamond pattern tread plate for flush-with-floor installation suitable for pedestrian traffic and secured to body of unit with recessed stainless steel bolts. (Covers can be reinforced for installation in an area subject to vehicular traffic.) Extra-heavy leak-proof and airtight gasket. Standard No-Hub inlet and outlet. Four independent internal vent connections to prevent pressure build-up and to release fumes of spilled gasoline, solvents, etc., which are major fire hazards. Protective seal outlet acceptable to all plumbing codes. All units are available in double-wall construction with leak detection if specified.

METHOD OF OPERATION

The flow of waste water through the separator is controlled by ingeniously spaced stationary baffles which divide the separator into compartments of varying sizes, as shown in the cut-open view above.

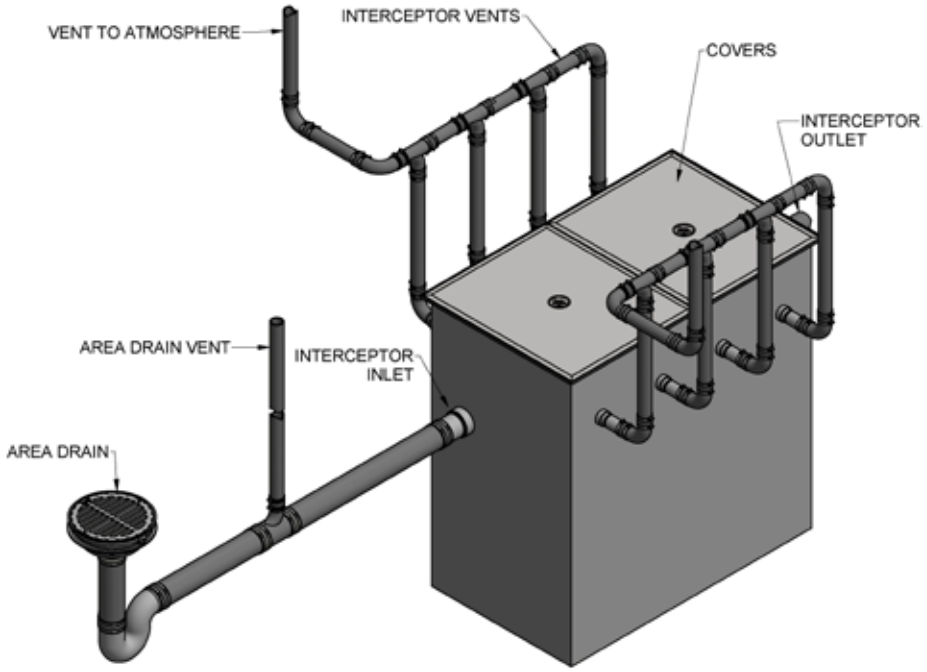
From the inlet, the waste water is directed upward and downward through the openings at varied positions in the strategically placed separating baffles on the inlet side of the separator. Then it is guided in a flow across the large end compartment. When it reaches the outlet of the unit, it is again directed in an upward and downward movement through a second series of separating baffles. Its final course is downward through the flow control filter screen and then upward through the outlet to the drainage system.

CLEANING

It is time to clean your Wade separator when you notice a gradual slow down of the fixtures that are draining to the separator.

With normal use, you should be able to establish a cleaning cycle. However if an abnormal event occurs or a spill, the separator should be serviced.

A thorough and regular cleaning each time will assure maximum operating efficiency, and will extend the life of your separator.



SAND INTERCEPTORS

Sizing
One method for sizing is based on the facility size and the facility type:
To calculate the required volume:

Step 1 Calculate the square footage of the facility.
Step 2 Choose the type of facility type from the following chart.

No.	Facility	Sq.Ft. per Gallon	Facility Factor
1	Truck or Heavy Equipment Washes	15	0.006
2	Automatic Car Wash	50	0.0200
3	Car Wash (Hand Held)	75	0.1330
4	Machine Shop, Work Area & Automotive Shop	100	0.0100
5	Paint & Body Shop	250	0.0040
6	Print Shop	300	0.0033
7	Parking Garage (where floors are to be washed)	2,000	0.0005
8	Parking Garage (where tenant cars are to be washed)	3,000	0.0003
9	Parking Garage (no wash facility - fire sprinkler only)	4,000	0.0003

Step 3 Use the formula below to calculate the Liquid Volume of the Interceptor:

A		B		C		D		Gallons
Facility Size	X	Facility Factor	X	Conversion Factor	X	Storage Factor	=	Calculated Liquid Volume
Square Feet		(From Chart Above)		7.48		1.0		A x B x C x D

Example: If the facility size is 2,500 square feet and the type is an automatic car wash:

A		B		C		D		Gallons
Facility Size	X	Facility Factor	X	Conversion Factor	X	Storage Factor	=	Calculated Liquid Volume
2,500		0.0200		7.48		2.0		748 Gallons

Wade 5900 Series sand interceptors are sized in cubic feet capacity. (One cubic foot of water = 7.48 gallons)
Refer to chart below for capacity conversions:

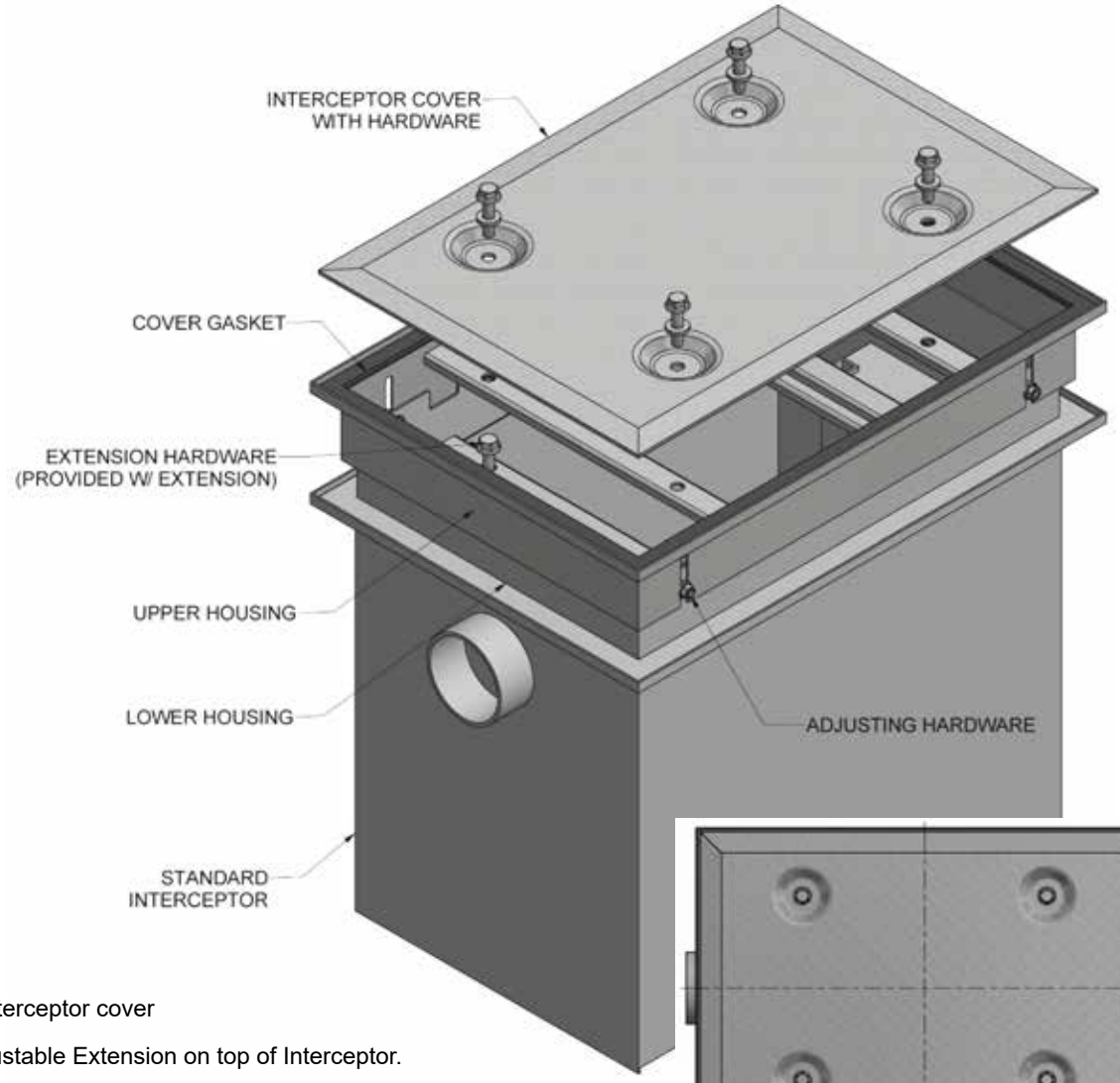
Wade 5900 Series Sand / Sediment Interceptor							
Capacity (Cubic Feet)	49	54	72	81	90	108	135
Capacity (Gallons)	366.55	403.95	538.60	605.92	673.25	807.90	1009.87
For Sizing Example Above - 108 Cubic Feet Capacity Interceptor is Required (809.9 Gallons Capacity)							

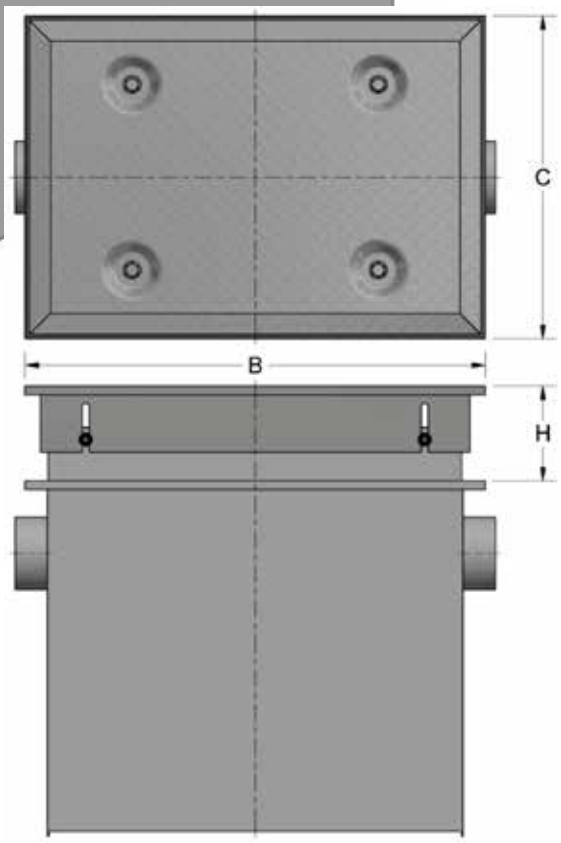
Optional Sizing Method

According to the Uniform Plumbing code, sand interceptors shall have a minimum dimension of two square feet for the net free opening of the inlet section and a minimum depth under the invert of the outlet pipe of two feet. For each 5 gallon per minute flow or fraction thereof over 20 gallons per minute, the area of the sand interceptor shall be increased by one square foot. The outlet section shall at all times have a minimum area of 50 percent of the inlet section.

5100-AE Grease Interceptor Adjustable Extension

Regularly Furnished: Fabricated A.R.C..... steel grease interceptor adjustable extension with lock down brackets cover gasket and zinc plated hardware.





Installation:

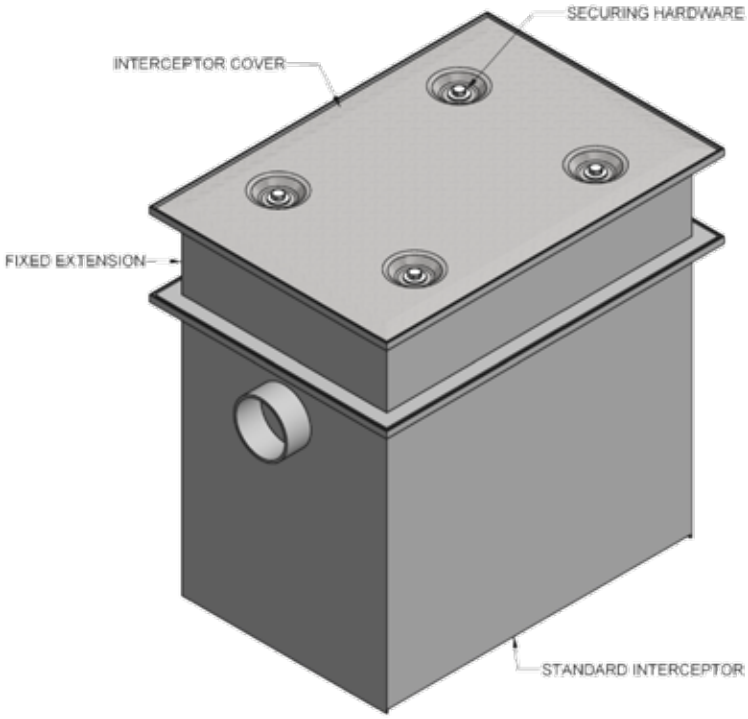
- Remove interceptor cover
- Place Adjustable Extension on top of Interceptor.
- Secure with provided hardware
- Adjust Height—Loosen adjusting hardware nuts on sides and lift upper housing into desired position. Re-tighten nuts.
- Replace existing cover into extension top recess and secure with hardware from interceptor.

Size (GPM)	Capacity (Lbs.)	Dimensions				List Price
		B	C	H		
				Min	Max	
20	40	27	18 3/4	4	6	$ 6,730.00
25	50	26	20	4	6	6,761.00
35	70	28 3/4	20	4	6	8,040.00
50	100	30	24	4	6	8,694.00
75	150	34 5/8	30 5/8	4	6	8,714.00
100	200	41 3/8	35 5/8	4	6	8,714.00

5100-XT Grease Interceptor Fixed Extension

Regularly Furnished: Fabricated A.R.C..... steel grease interceptor fixed extension. Must Specify Height on Order.

Size (GPM)	Capacity (Lbs.)	Suffix Option (Add) XT Extension	
		Up to 6"	Each 1" over 6"
10	20	$ 6,550.00	$ 330.00
15	30	6,730.00	372.00
20	40	6,730.00	419.00
25	50	6,761.00	479.00
35	70	8,040.00	523.00
50	100	8,694.00	604.00
75	150	8,714.00	604.00
100	200	8,714.00	604.00



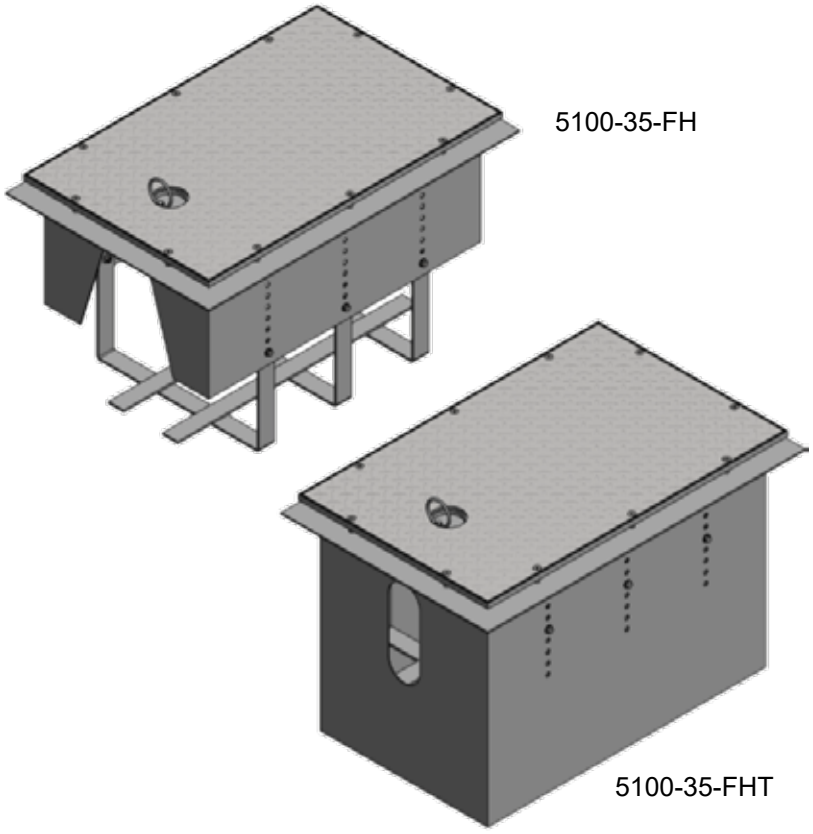
Installation:

- Remove interceptor cover
- Place Extension on top of Interceptor.
- Secure with provided hardware
- Replace existing cover into extension top recess and secure with hardware from interceptor.

5100-FH-FHT Grease Interceptor Adjustable Housing

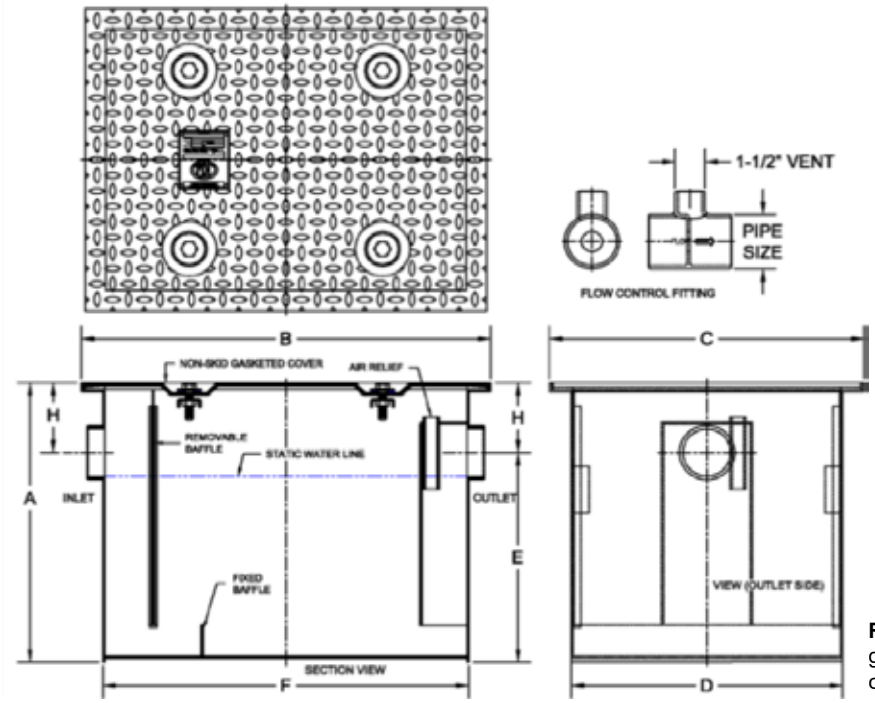
Size (GPM)	Capacity (Lbs.)	Suffix Option (Add) -FH Cradle Housing	-FHT Enclosed Housing
4	8	8,257.00	$ 9,441.00
7	14	9,457.00	10,892.00
10	20	9,857.00	11,422.00
15	30	10,553.00	12,442.00
20	40	11,228.00	13,409.00
25	50	11,465.00	13,871.00
35	70	11,522.00	15,113.00
50	100	12,704.00	15,925.00

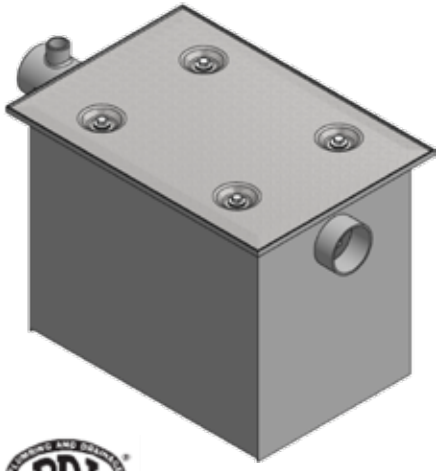
Size (GPM)	Suffix Option (Add) Length	Width	Adjustment From Top Min	Max
4	31-1/2	16-1/4	3	10-1/2
7	33-1/2	18-3/4	3	10-1/2
10	35-1/2	20-3/4	3	10-1/2
15	37-1/2	20-3/4	3	10-1/2
20	41-1/2	20-3/4	3	10-1/2
25	43-1/2	23-3/4	3	10-1/2
35	45-1/2	28-3/4	3	10-1/2
50	49-1/2	28-3/4	3	10-1/2



5100 Grease Interceptor

Please contact factory for pricing on electronic user notification systems.





5100-35-4NH

4-50 GPM Only

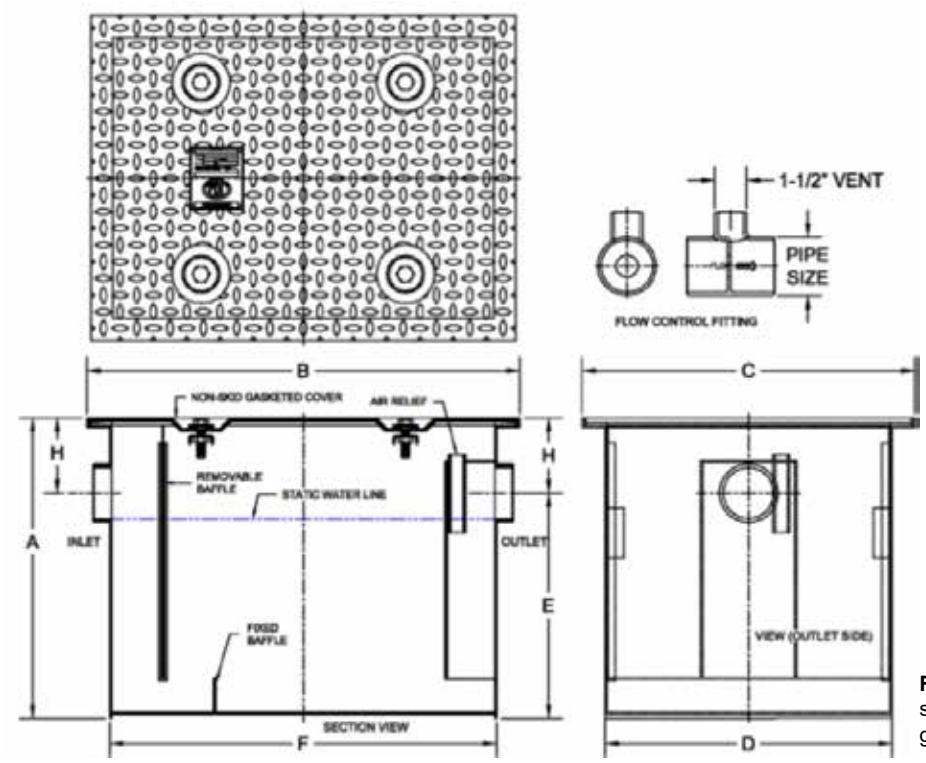
Regularly Furnished: Fabricated A.R.C. steel grease interceptor with removable baffles, gasketed cover, & external flow control fitting.

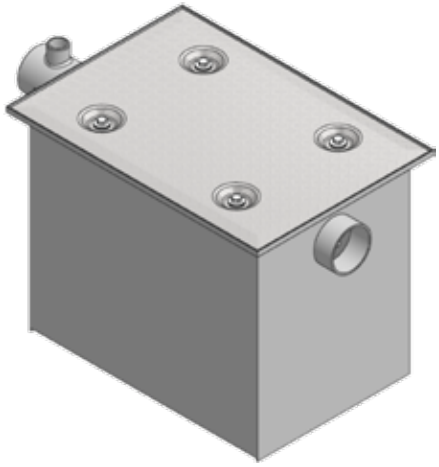
Flow Rate (GPM)	Grease Capacity (Lbs.)	Liquid Capacity (Gal.)	Dimensions (Inches)							Wt. Lbs.
			A	B	C	D	E	F	H	
4	8	4.4	10 1/2	18	13	10.25	7	15 1/4	3 1/2	40.0
7	14	5.4	12 1/8	18 3/16	13	10 1/4	8 5/8	15 1/4	3 1/2	43.0
10	20	7.3	13 1/4	20 1/8	14 3/4	12 3/8	9 3/4	17 3/8	3 1/2	59.0
15	30	11.0	13 1/4	25	17	16 1/4	9 1/4	22 1/4	4	71.0
20	40	12.6	13 1/4	27	18 3/4	16	9 3/4	24 1/4	3 1/2	90.0
25	50	19.8	18 1/2	26	20	17 1/4	14	23 1/4	4 1/2	108.0
35	70	28.6	22 1/2	28 3/4	20	17 1/4	18	25 3/4	4 1/2	129.0
50	100	37.4	22 1/2	30	24	21 1/4	18	27 1/4	4 1/2	151.0
75	150	57.1	23 3/8	34 5/8	30 5/8	27 7/8	17 1/2	31 7/8	5 7/8	156.0
100	200	106.2	27 5/8	41 3/8	35 5/8	32 7/8	22	38 5/8	5 5/8	172.0

Size / GPM	Regularly Furnished	Inlet Outlet	Suffix Options (Add)							
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange/ Clamping Device	FH Cradle Housing	FHT Enclosed Housing	T Tile Recess	XT Extension	
									Up to 6'	Each 1" over 6"
4	$ 3,598.00	2IPS/2NH	-	-	-	$ 8,257.00	$ 9,441.00	-	-	-
7	4,987.00	2IPS/2NH	-	-	-	9,457.00	10,892.00	-	-	-
10	5,867.00	2IPS/2NH	$ 10,238.00	$ 2,046.00	$ 2,460.00	9,857.00	11,422.00	$ 7,308.00	$ 6,550.00	$ 330.00
15	8,685.00	2IPS/2NH	11,316.00	2,046.00	2,460.00	10,553.00	12,442.00	8,862.00	6,730.00	372.00
20	10,628.00	3IPS/3NH	11,851.00	2,207.00	2,460.00	11,228.00	13,409.00	9,909.00	6,730.00	419.00
25	11,942.00	3IPS/3NH	12,515.00	2,297.00	2,744.00	11,465.00	13,871.00	11,454.00	6,761.00	479.00
35	14,756.00	4IPS/4NH	17,219.00	2,413.00	2,847.00	11,522.00	15,113.00	14,059.00	8,040.00	523.00
50	19,541.00	4IPS/4NH	18,894.00	2,460.00	3,240.00	12,704.00	15,925.00	19,535.00	8,694.00	604.00
75	34,969.00	4NH	22,474.00	3,225.00	5,320.00	15,034.00	19,500.00	POA	8,714.00	608.00
100	39,338.00	4NH	25,629.00	3,866.00	5,959.00	19,340.00	23,854.00	POA	8,714.00	608.00

5101 Grease Interceptor (Replaces 5100-SS)

Please contact factory for pricing on electronic user notification systems.





5101-35-4NH

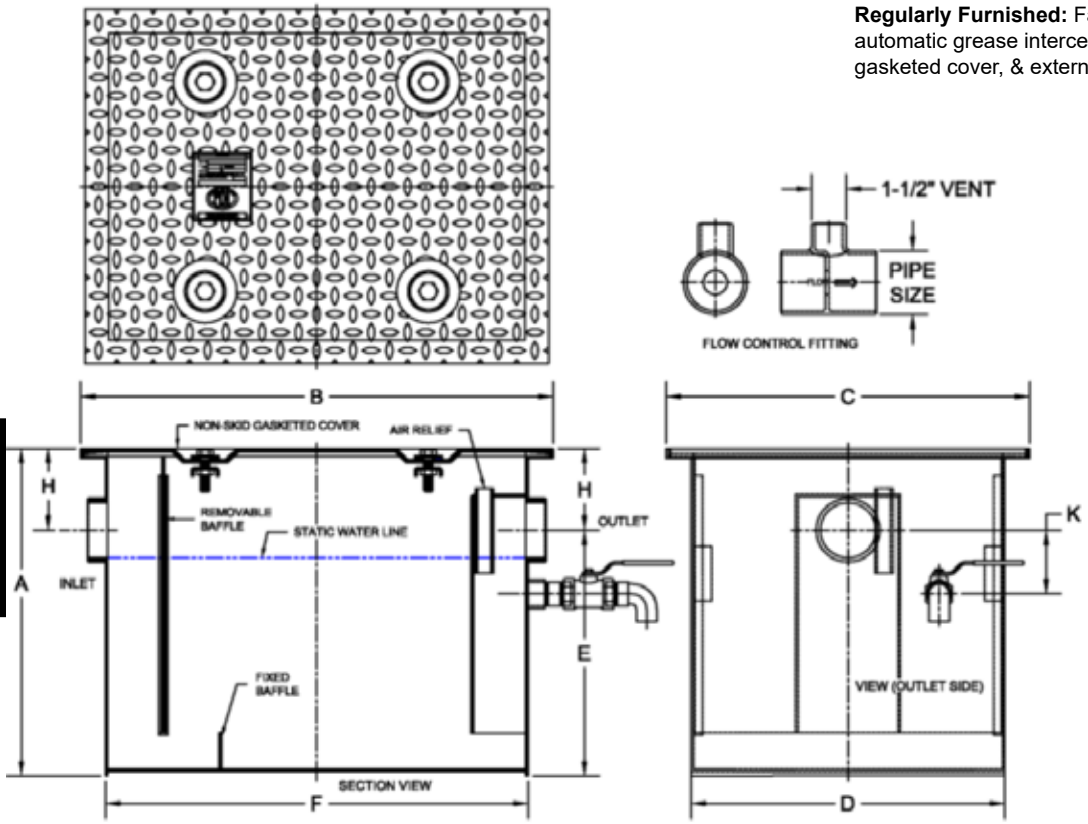
4-50 GPM Only

Regularly Furnished: Fabricated stainless steel grease interceptor with removable baffles, gasketed cover, & external flow control fitting.

Dimensions (In.)										
Flow Rate (GPM)	Grease Capacity (Lbs.)	Liquid Capacity (Gal.)	A	B	C	D	E	F	H	Wt. Lbs.
4	7	3.7	10 1/2	18	13	10 1/4	7	15 1/4	3 1/2	40.0
7	14	5.4	12 1/8	18 3/16	13	10 1/4	8 5/8	15 1/4	3 1/2	43.0
10	20	7.3	13 1/4	20 1/8	14 3/4	12 3/8	9 3/4	17 3/8	3 1/2	55.0
15	30	11.0	13 1/4	25	17	16 1/4	9 1/4	22 1/4	4	71.0
20	40	12.6	13 1/4	27	18 3/4	16	9 3/4	24 1/4	3 1/2	80.0
25	50	19.8	18 1/2	26	20	17 1/4	14	23 1/4	4 1/2	103.0
35	70	28.6	22 1/2	28 3/4	20	17 1/4	18	25 3/4	4 1/2	120.0
50	100	37.4	22 1/2	30	24	21 1/4	18	27 1/4	4 1/2	148.0

Size GPM	Pipe Size	Regularly Furnished	Suffix Options (Add)							
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamping Device	FH Cradle Housing	FHT Enclosed Housing	T Tile Recess	XT Extension	
									Up to 6"	Each 1" over 6"
4	2IPS/2NH	$ 8,988.00	$ 17,676.00	-	-	$ 20,635.00	$ 23,595.00	-	-	-
7	2IPS/2NH	12,477.00	19,797.00	-	-	23,635.00	27,256.00	-	-	-
10	2IPS/2NH	14,655.00	21,280.00	$ 5,113.00	$ 6,151.00	24,629.00	28,553.00	$ 7,308.00	$ 16,366.00	$ 815.00
15	2IPS/2NH	21,710.00	22,896.00	5,113.00	6,151.00	26,368.00	31,094.00	8,862.00	16,815.00	921.00
20	3IPS/3NH	26,567.00	24,239.00	5,507.00	6,151.00	28,068.00	33,509.00	9,909.00	16,815.00	1,037.00
25	3IPS/3NH	29,843.00	25,588.00	5,748.00	6,845.00	28,791.00	34,661.00	11,454.00	17,925.00	1,175.00
35	4IPS/4NH	36,887.00	28,280.00	6,019.00	7,388.00	30,062.00	37,774.00	14,059.00	20,095.00	1,301.00
50	4IPS/4NH	48,849.00	29,631.00	6,151.00	8,096.00	31,752.00	39,797.00	19,535.00	21,737.00	1,519.00

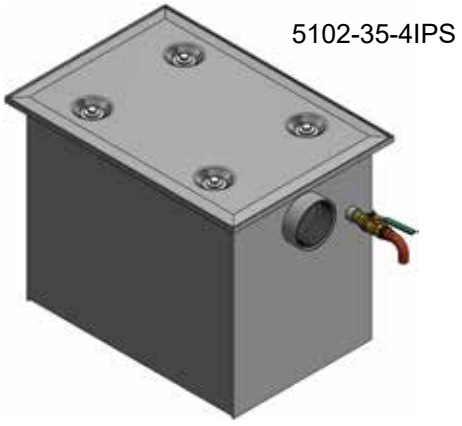
5102 Semi Automatic Grease Interceptor (Replaces 5100-GT)



Regularly Furnished: Fabricated A.R.C. steel, semi automatic grease interceptor with removable baffles, gasketed cover, & external flow control fitting.

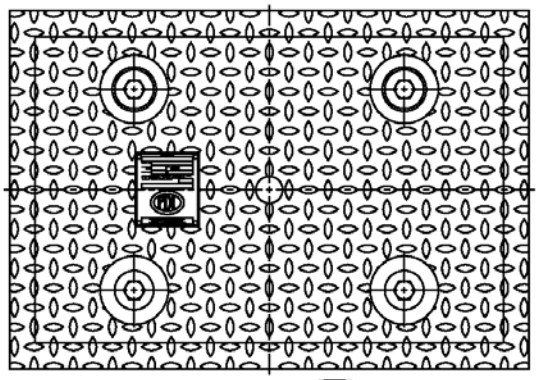
Dimensions (In.)											
Flow Rate (GPM)	Grease Capacity (Lbs.)	Liquid Capacity (Gal.)	A	B	C	D	E	F	H	K	Wt. Lbs.
7	14	5.4	12 1/8	18 3/16	13	10 1/4	8 5/8	15 1/4	3 1/2	2	55.0
10	20	7.3	13 1/4	20 1/8	14 3/4	12 3/8	9 3/4	17 3/8	3 1/2	2 1/2	71.0
15	30	11.0	13 1/4	25	17	16 1/4	9 1/4	22 1/4	4	2 1/2	80.0
20	40	12.6	13 1/4	27	18 3/4	16	9 3/4	24 1/4	3 1/2	2 1/2	103.0
25	50	19.8	18 1/2	26	20	17 1/4	14	23 1/4	4 1/2	3	120.0
35	70	28.6	22 1/2	28 3/4	20	17 1/4	18	25 3/4	4 1/2	3	148.0
50	100	37.4	22 1/2	30	24	21 1/4	18	27 1/4	4 1/2	3	155.0
75	150	57.1	23 3/8	34 5/8	30 5/8	27 7/8	17 1/2	31 7/8	5 7/8	3	170.0

Size / GPM	Regularly Furnished	Inlet Outlet	Suffix Options (Add)	
			FH Cradle Housing	FHT Enclosed Housing
7	$ 7,152.00	2IPS/2NH	$ 9,457.00	$ 10,892.00
10	9,473.00	2IPS/2NH	9,857.00	11,422.00
15	10,719.00	2IPS/2NH	10,553.00	12,442.00
20	13,169.00	3IPS/3NH	11,228.00	13,409.00
25	16,279.00	3IPS/3NH	11,465.00	13,871.00
35	18,240.00	4IPS/4NH	11,522.00	15,113.00
50	21,701.00	4IPS/4NH	12,704.00	15,925.00
75	26,698.00	4NH	12,704.00	15,925.00

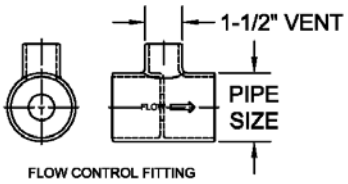


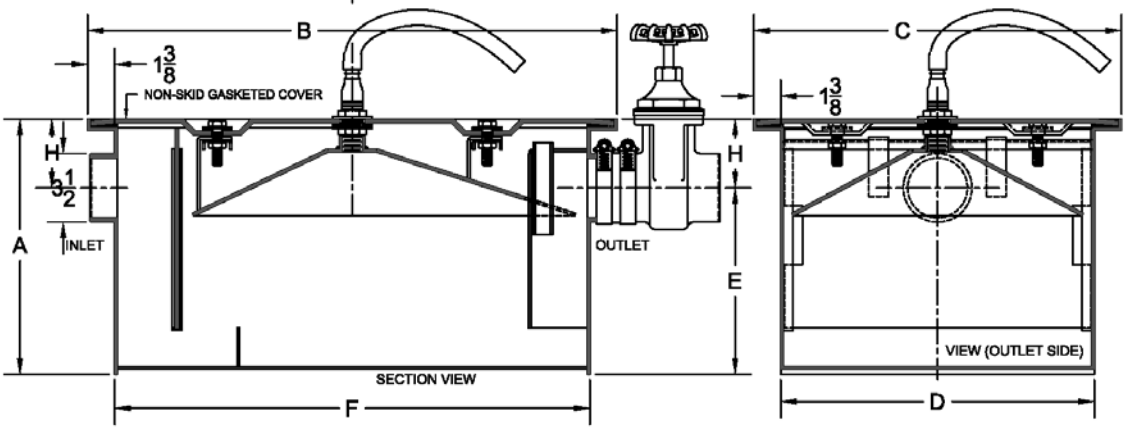
5102-35-4IPS

5103 Semi-Automatic Grease Interceptor (Replaces 5100-JCX)



Regularly Furnished: Fabricated A.R.C. steel, semi automatic grease interceptor with removable baffles, gasketed cover, & external flow control fitting.





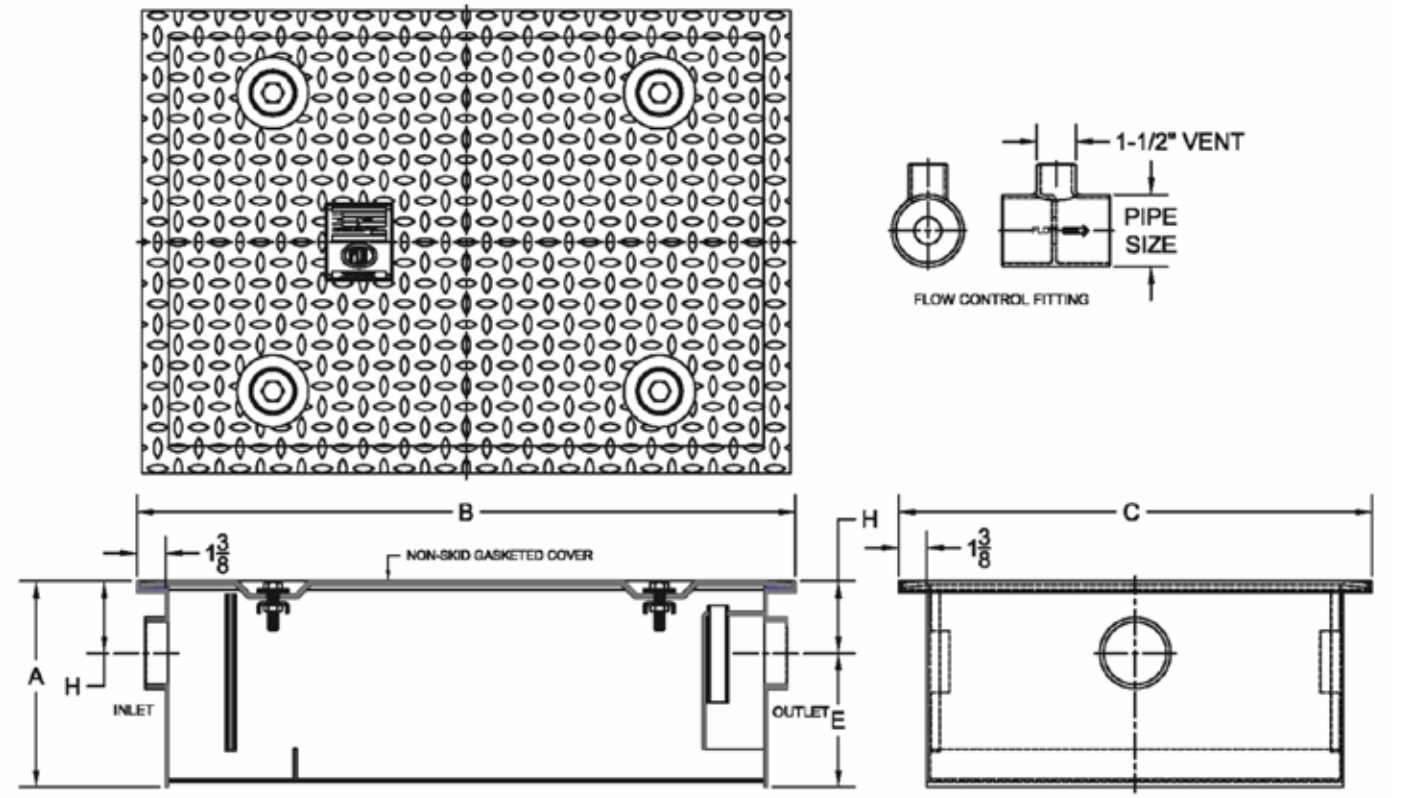
Dimensions (In.)										
Flow Rate (GPM)	**Grease Capacity (Lbs.)**	**Liquid Capacity (Gal.)**	**A**	**B**	**C**	**D**	**E**	**F**	**H**	**Wt. Lbs.**
4	7	3.7	10 1/2	18	13	10 1/4	7	15 1/4	3 1/2	68.0
7	14	5.4	12 1/8	18 3/16	13	10 1/4	8 5/8	15 1/4	3 1/2	75.0
10	20	7.3	13 1/4	20 1/8	14 3/4	12 3/8	9 3/4	17 3/8	3 1/2	95.0
15	30	11.0	13 1/4	25	17	16 1/4	9 1/4	22 1/4	4	115.0
20	40	12.6	13 1/4	27	18 3/4	16	9 3/4	24 1/4	3 1/2	125.0
25	50	19.8	18 1/2	26	20	17 1/4	14	23 1/4	4 1/2	155.0
35	70	28.6	22 1/2	28 3/4	20	17 1/4	18	25 3/4	4 1/2	220.0
50	100	37.4	22 1/2	30	24	21 1/4	18	27 1/4	4 1/2	235.0
75	150	57.1	23 3/8	34 5/8	30 5/8	27 7/8	17 1/2	31 7/8	5 7/8	285.0

Size / GPM	**Regularly Furnished**	**Inlet Outlet**	**Suffix Options (Add)**	
			FH Cradle Housing	**FHT Enclosed Housing**
7	$ 12,759.00	2IPS/2NH	$ 9,457.00	$ 10,892.00
10	15,086.00	2IPS/2NH	9,857.00	11,422.00
15	16,097.00	2IPS/2NH	10,553.00	12,442.00
20	20,662.00	3IPS/3NH	11,228.00	13,409.00
25	23,967.00	3IPS/3NH	11,465.00	13,871.00
35	24,593.00	4IPS/4NH	11,522.00	15,113.00
50	28,079.00	4IPS/4NH	12,704.00	15,925.00
75	32,720.00	4NH	12,704.00	15,925.00

5103-35-4IPS



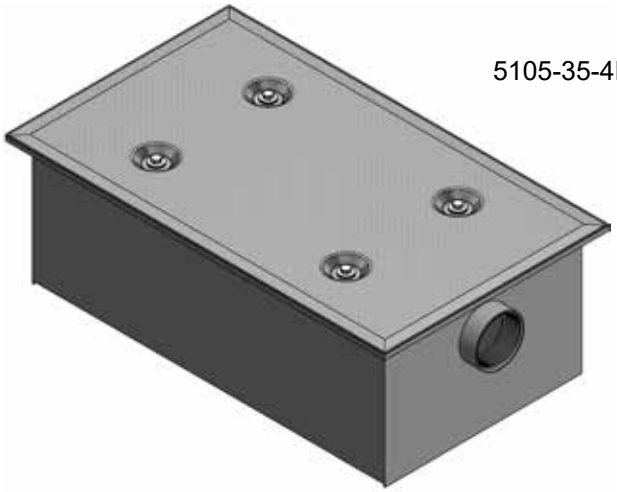
5105 Low Profile Grease Interceptor (Replaces 5100-LR)



Dimensions (In.)									
Flow Rate (GPM)	Grease Capacity (Lbs.)	Liquid Capacity (Gal.)	A	B	C	D	E	H	Wt. Lbs.
15	30	8.2	11	23	17	14 1/4	7 1/2	3 1/2	64.0
20	40	13.4	10 1/4	32	23	20 1/4	6 3/4	3 1/2	127.0
35	70	29.3	13 1/2	39	23	20 1/4	8 3/4	4 3/4	170.0
50	100	39.0	16	52 1/4	23	20 1/4	11	5	220.0

Size / GPM	Inlet / Outlet	Regularly Furnished
15	2IPS/2NH	$ 12,149.00
20	3IPS/3NH	14,330.00
35	4IPS/4NH	18,449.00
50	4IPS/4NH	31,259.00

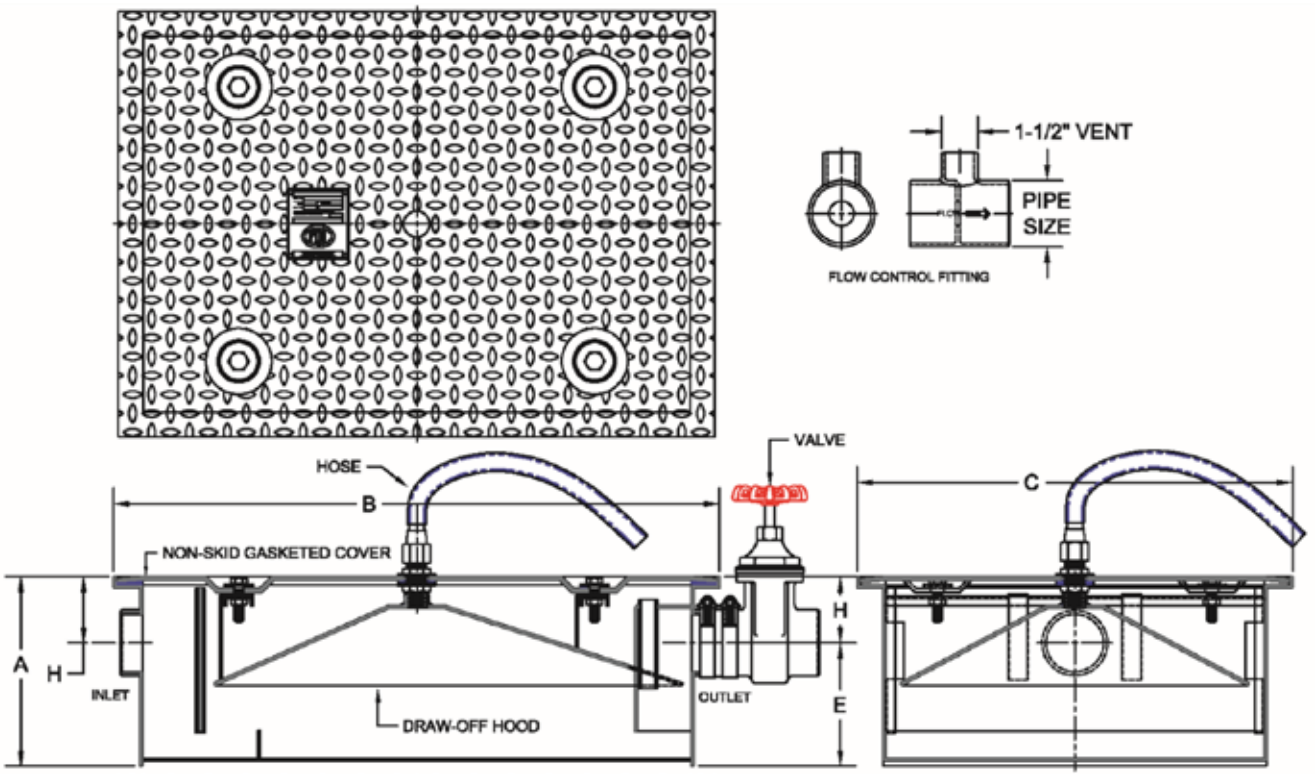
4-50 GPM Only



5105-35-4IPS

Regularly Furnished: Low profile fabricated A.R.C. steel, grease interceptor with removable baffles, gasketed cover, & external flow control fitting.

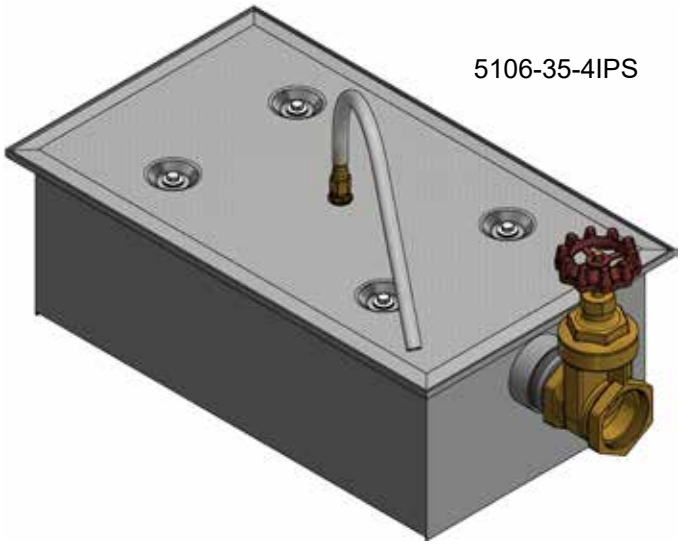
5106 Semi-Automatic Low Profile Grease Interceptor (Replaces 5100-JCX-LR)



Dimensions (In.)									
Flow Rate (GPM)	Grease Capacity (Lbs.)	Liquid Capacity (Gal.)	A	B	C	D	E	H	Wt. Lbs.
15	30	8.2	11	23	17	14 1/4	7 1/2	3 1/2	139.0
20	40	13.4	10 1/4	32	23	20 1/4	6 3/4	3 1/2	142.0
35	70	29.3	13 1/2	39	23	20 1/4	8 3/4	4 3/4	185.0
50	100	39.0	16	52 1/4	23	20 1/4	11	5	235.0

Size / GPM	Inlet / Outlet	Regularly Furnished
15	2IPS/2NH	$ 13,207.00
20	3IPS/3NH	23,837.00
35	4IPS/4NH	33,604.00
50	4IPS/4NH	41,220.00

5106-35-4IPS



Regularly Furnished: Semi-Automatic, Low profile, fabricated A.R.C. steel, grease interceptor with removable baffles, gasketed cover, & external flow control fitting.

GGX7-35



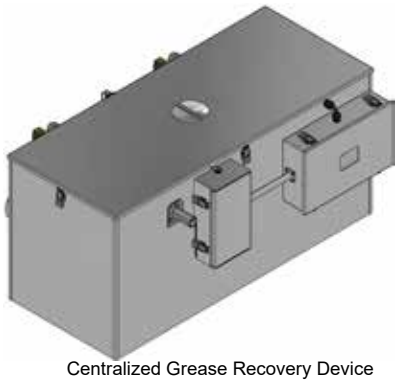
Point Source Grease Recovery Device
7-35 GPM

GGX50



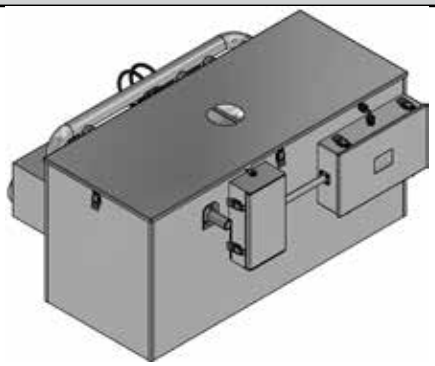
Point Source Grease Recovery Device
50 GPM

GGX75-IS



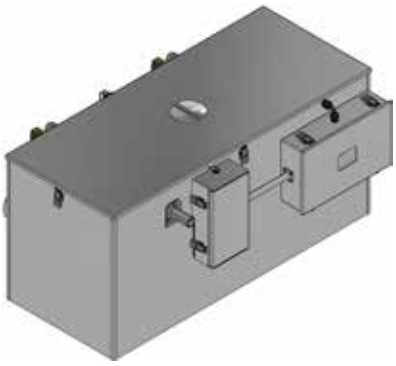
Centralized Grease Recovery Device
75 GPM

GGX75-AST



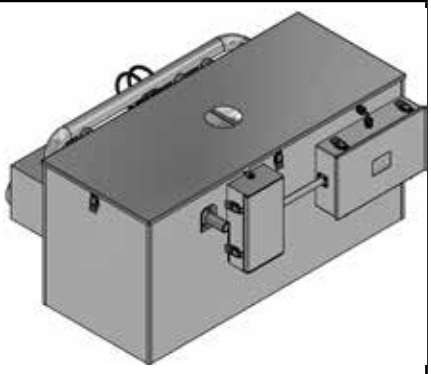
Centralized Grease Recovery Device
75 GPM

GGX125-IS



Centralized Grease Recover Device
125 GPM

GGX125-AST



Centralized Grease Recovery Device
125 GPM

ST1



Sink Guardian

ST2



Coffee Guardian

ST4



Coffee Guardian

ST8



Food Guardian

ST12



Food Guardian

ST23



Food Guardian

ST1 Sink Guardian

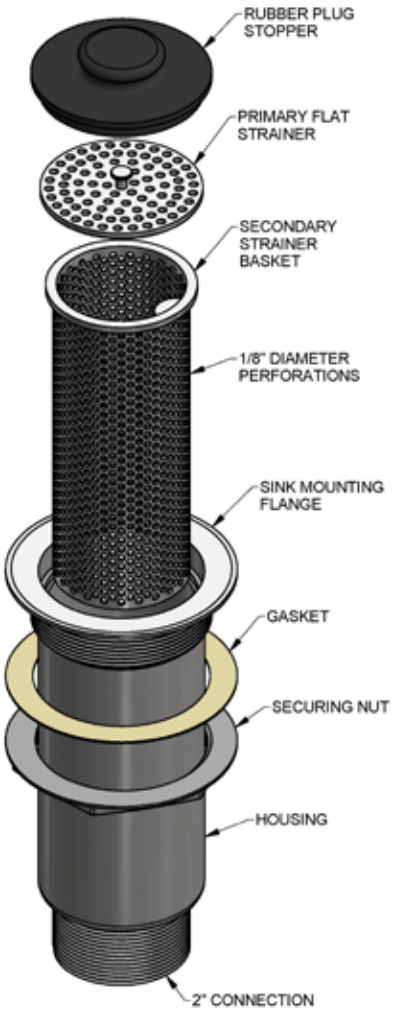
Sink Guardian Model ST1 is a self contained solids removal unit designed to mount in compartment sinks commonly found in commercial kitchens. The 304 stainless steel housing contains a dual filter element arrangement - (1) Primary Perforated Flat Filter and (2) Perforated Stainless Steel Secondary Basket Filter. A rubber stopper plug is provided standard.

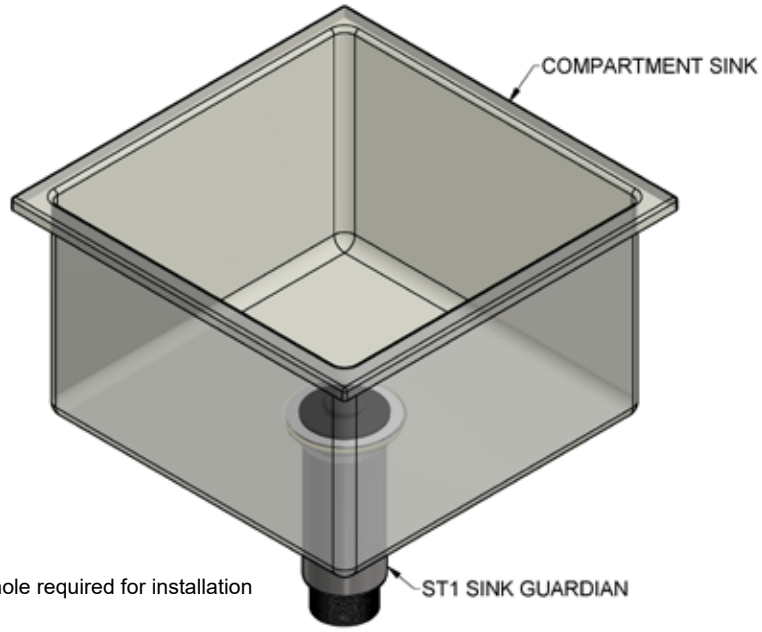
Installation

- The Sink Guardian should be positioned beneath the compartment sink in the outlet.
- Remove the securing nut and gasket from the ST1 housing
- Install the Sink Guardian from the top, seating the flange into a generous bead of plumbers putty in the sink recess.
- Re-install the gasket and securing nut from underneath and tighten.
- Connect the waste piping to the waste outlet on the ST1 housing.
- Ensure that a gravity fall is provided in the horizontal piping per local plumbing code.



Model No.	Pipe Size	Strainer Capacity (Cu. In.)	Capacity (Gallons)	Wt. Lbs.	List Price
ST1	2” IPS	5.9	0.05	4.3	P.O.A.



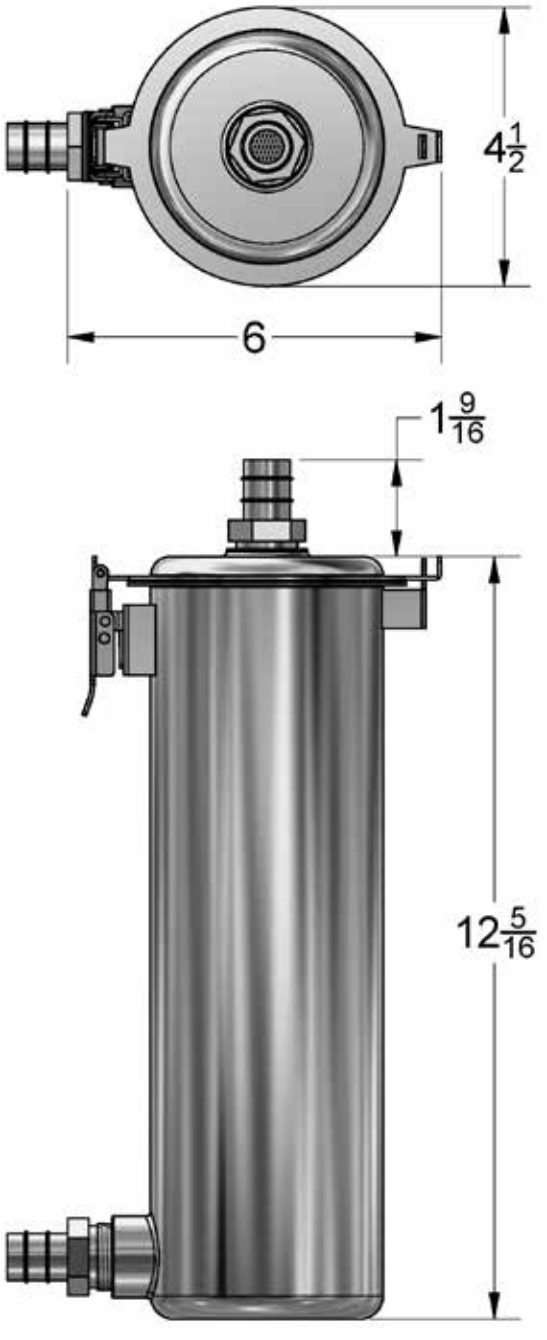


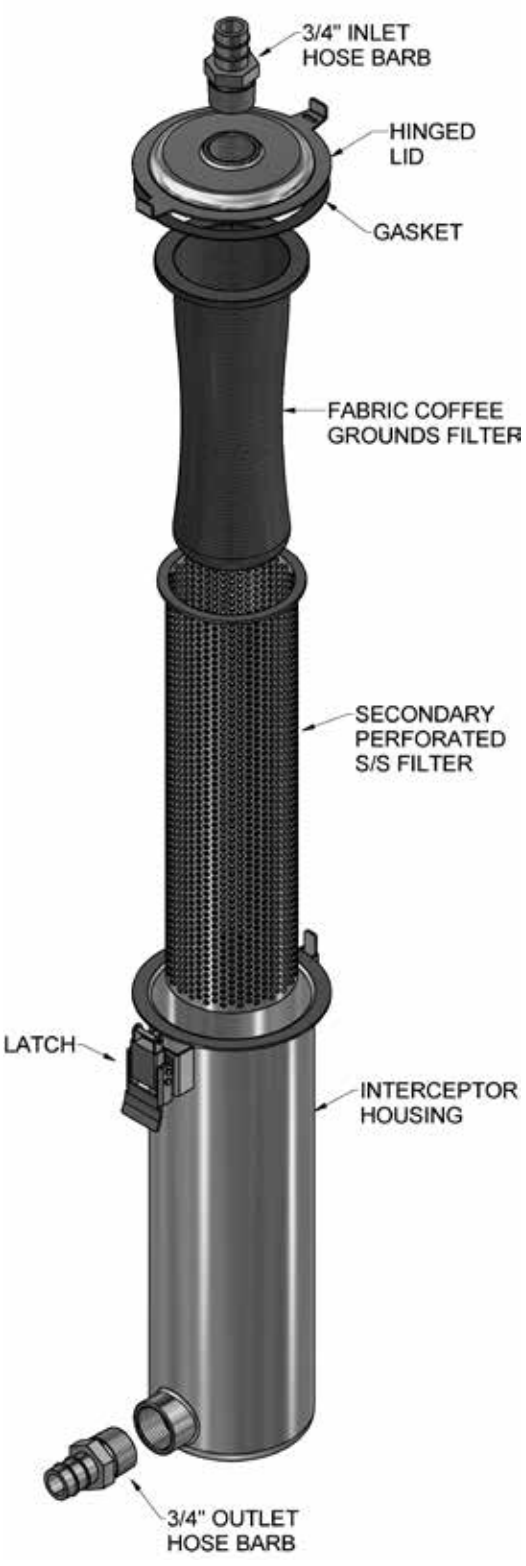
Note: 3.5” hole required for installation

ST2 Coffee Guardian

Coffee Guardian Model ST2 is a self contained coffee grind removal unit. The 304 stainless steel housing contains a dual filter element arrangement - (1) Fabric Primary Filter and (2) Perforated Stainless Steel Secondary Filter. A quick latch hinged lid allows easy access for filter cleaning and replacement. 3/4" Hose barb fittings are provided for both inlet and outlet for connection with flexible waste tubing. Two brackets are provided for easy installation.

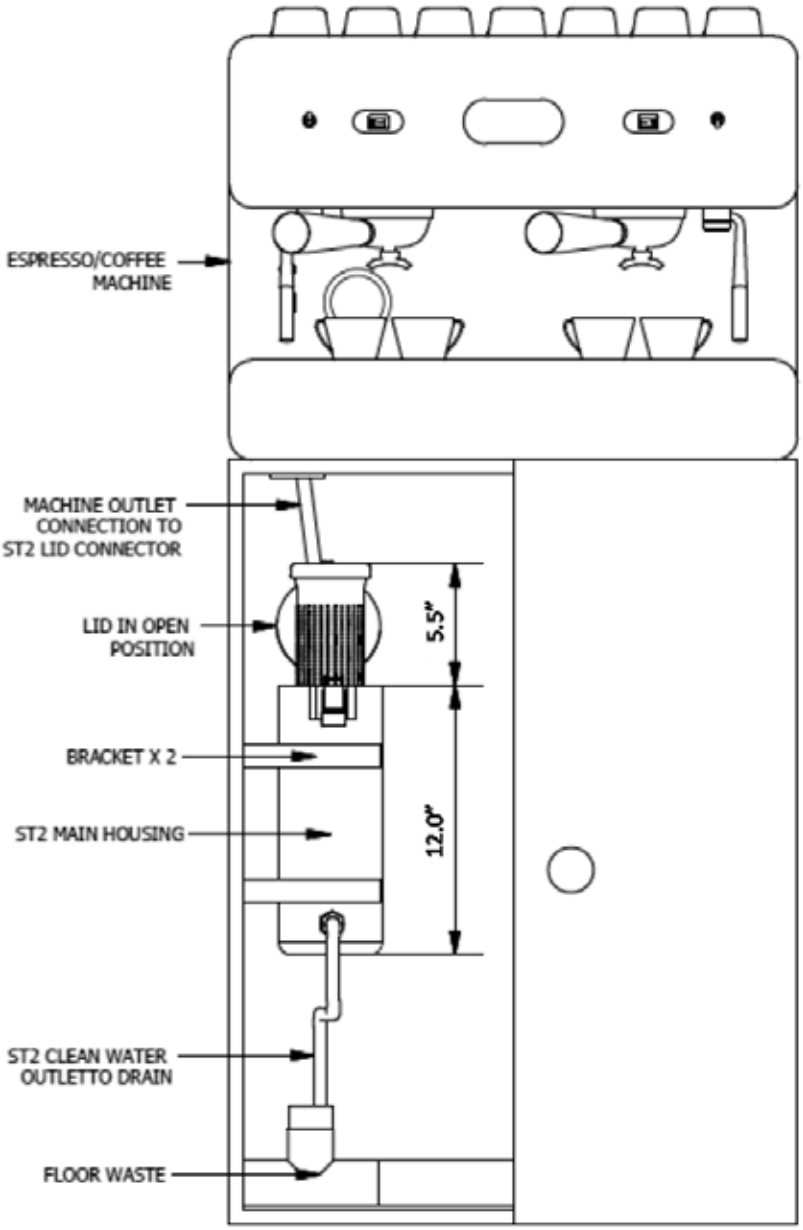
Model No.	Filter Capacity (Lbs.)	Capacity (Gallons)	Wt. Lbs.	List Price
ST2	2.2	0.7	5.1	P.O.A.
Replacement Parts				
FB	Fabric Coffee Filter Bags			





ST2 Coffee Guardian - Typical Installation





Installation

- The Coffee Guardian should be positioned in the cabinet beneath the coffee machine using the provided brackets.
- The ST2 should be positioned close to the front of the cabinet for ease of inspection and maintenance.
- Ensure clearance is provided for opening the hinged lid and filter removal. (5-1/2”)
- Connect flexible waste hose on the coffee machine to the inlet barb.
- Connect flexible waste hose to the waste outlet p-trap.
- Ensure that a gravity fall is provided between the ST2 and the trap per local plumbing code.

Maintenance

The fabric filter can be replaced without removing the internal stainless steel perforated filter.

100 Days of operation x 10 Grams = 2.2 Pounds.

The ST2 Filter capacity is 2.2 Lbs., therefore the fabric filter would need replacing every 100 days.

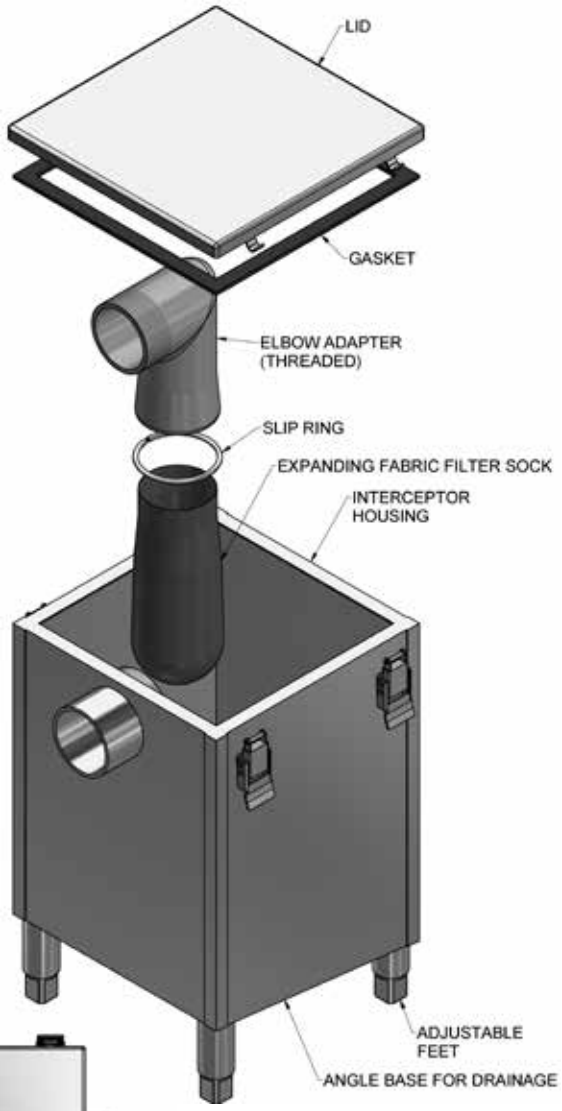
Periodic cleaning of the stainless steel filter is recommended. To enable this the ST2 can be completely un-clipped from the wall brackets. After cleaning, the stainless steel filter can be snapped back into place.

Replacement Efficiency Guide	
Cups of Coffee	**Weight**
1	0.1 Gram
100	10 Grams

ST4 Coffee Guardian

Coffee Guardian Model ST4 is a self contained coffee grind removal unit. The 304 stainless steel housing contains a filter sock element arrangement or can be specified with an optional stainless steel perforated basket. A quick latch lid allows easy access for filter cleaning and replacement. Adjustable feet on the housing allow for alignment and leveling.

Model No.	Style	Pipe Size	Wt.Lbs.	List Price
ST4-FB	w/ Filter Bag	2”	15.8	P.O.A.
ST4-SB	w/ Sediment Basket	2”	17.5	P.O.A.
Replacement Parts				
FB1	Filter Socks (10/Box)			P.O.A.



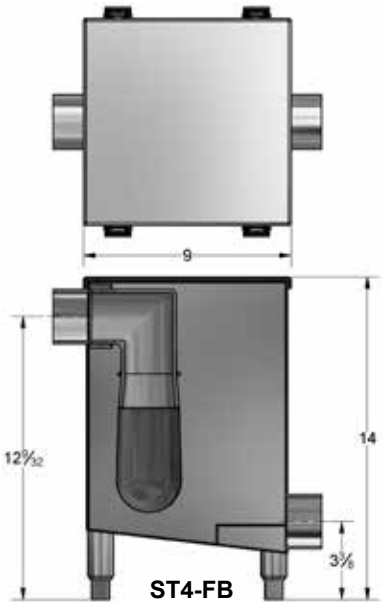
Installation

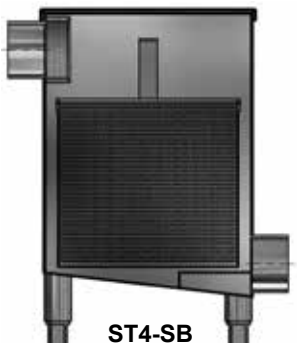
- The Coffee Guardian should be connected to a sink waste pipe using the 2” elastomer coupling (provided).
- Ensure adequate clearance is provided for removal of the fabric filter (8”) or the strainer basket (10”) as indicated on the drawings.
- Provide gravity fall of a minimum of 1/8” per foot in the connected waste water outlet piping.
- The ST2 Coffee Guardian is a ‘dry’ tank - it does not require a fill level after installation.
- The ST4 is supplied with adjustable feet for precise alignment on the inlet and outlet piping.

Product Characteristics			
Specification	**Tank**	**Fabric Filter**	**S/S Basket**
Material	18Ga. 304 S/S	Elasthan	S/S 1/8” Perf.
Volume	4.35 Gal.	2.2 Lbs.	15.4 Lbs.

Maintenance

- Fabric filter (if used) should be replaced when the sock expands to twice its original size, or when the sink drainage is noticeably reduced.
- To replace the filter, remove the lid and remove the sock filter from the down pipe by lifting the slip ring upwards which will release the filter sock.
- Dispose of the filter and contents.
- Re-install a new filter sock by sliding the slip ring over the sock neck lining.

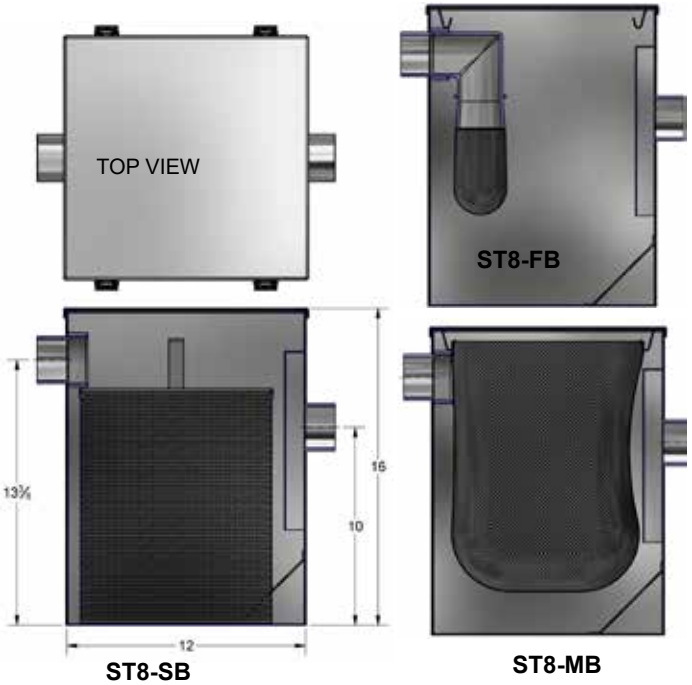




ST8 Food Guardian

Food Guardian Model ST8 is a self contained solids removal unit. The 304 stainless steel housing contains a filter sock element arrangement or can be specified with an optional stainless steel perforated basket or a large capacity mesh bag element. A quick latch lid allows easy access for filter cleaning and replacement.

Model No.	Style	Inlet/Outlet	Wt.Lbs.	List Price
ST8-FB	w/ Filter Bag	2NH	24.4	P.O.A.
ST8-SB	w/ Sediment Basket	2NH	29.6	P.O.A.
ST8-MB	w/ Mesh Bag	2NH	23.0	P.O.A.
Replacement Parts				
FB	Fliter Bag			P.O.A.
MB	Mesh Bag			P.O.A.



Installation

- The Food Guardian should be connected to a sink waste pipe using the 2” elastomer coupling (provided).
- Ensure adequate clearance is provided for removal of the fabric filter (10”) or the strainer basket (14”) or the mesh bag (12”) as indicated on the drawings.
- Provide gravity fall of a minimum of 1/8” per foot in the connected waste water outlet piping.
- The ST8 is supplied with a plugged drain outlet for ease of maintenance.

Product Characteristics			
Specification	**Tank**	**Mesh Filter**	**S/S Basket**
Material	18Ga. 304 S/S	Elasthan	S/S 1/8” Perf.
Volume	6.85 Gal.	17.6 Lbs.	17.6 Lbs.

Maintenance

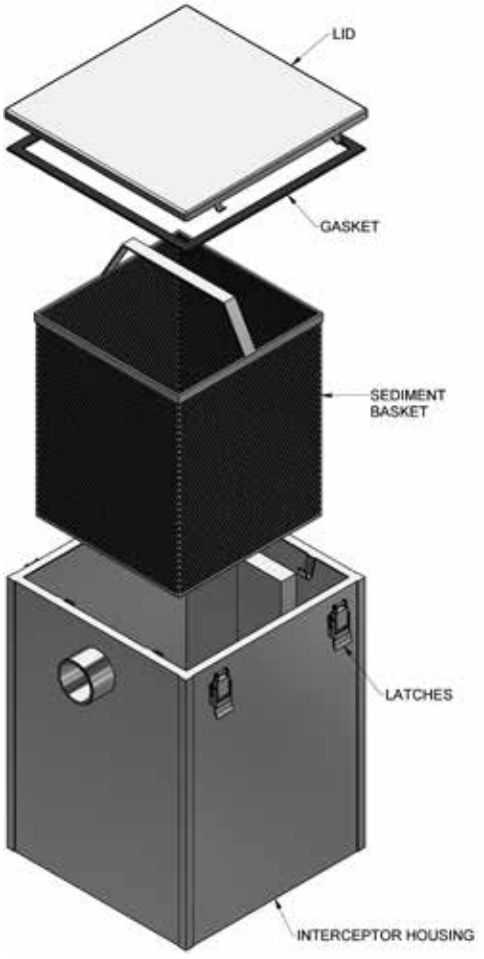
Fabric Filter Version (if used) should be replaced when the sock expands to twice its original size, or when the sink drainage is noticeably reduced.

To replace the filter, remove the lid and remove the sock filter from the down pipe by lifting the slip ring upwards which will release the filter sock. Dispose of the filter and contents.

Re-install a new filter sock by sliding the slip ring over the sock neck lining.

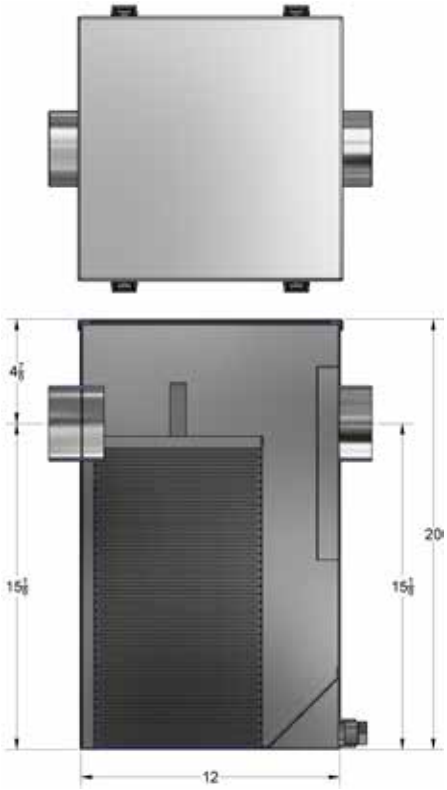
Sediment Basket Version. Remove lid, drain tank and lift out basket. Clean basket by rinsing with water before re-installation. Maintenance should be performed when basket is 3/4 full.

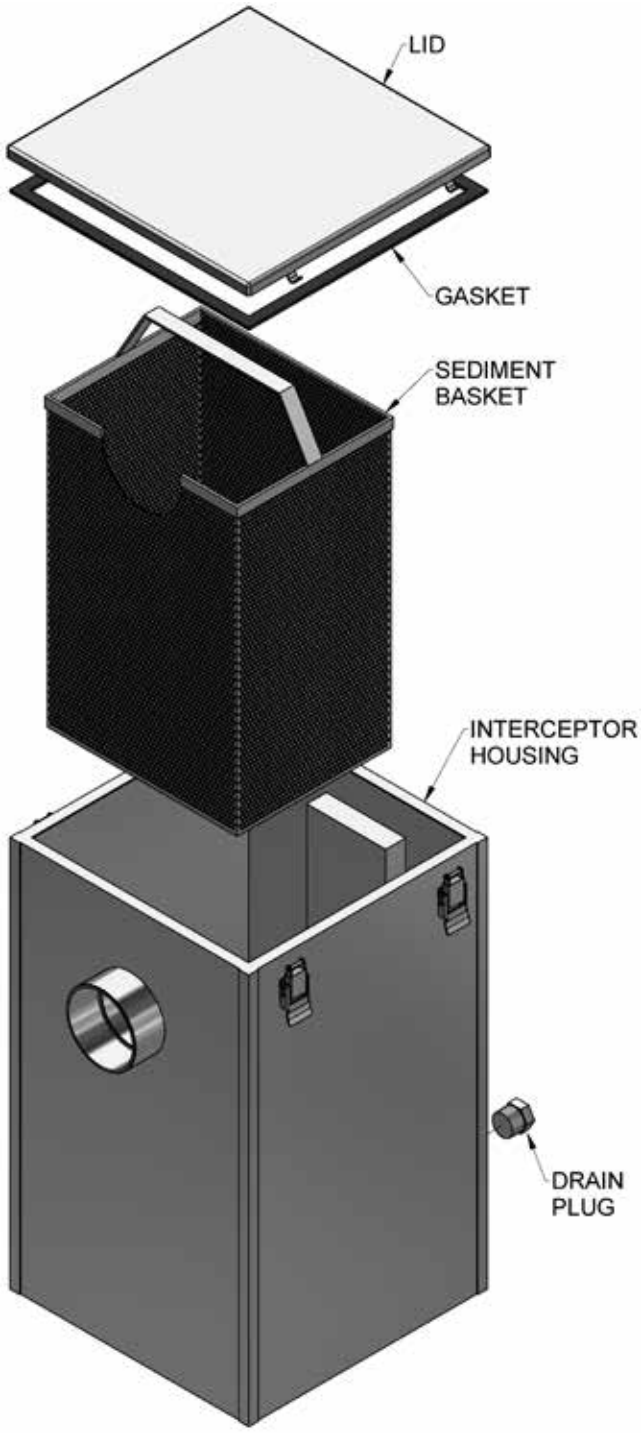
Mesh Bag Version. Remove lid, drain tank and lift out mesh bag. Dispose of waste. Clean bag by rinsing with water before re-installation. Bag is reusable only if mesh can be cleaned of food particles, otherwise replace with new bag.



ST12 Food Guardian

Food Guardian Model ST12 is a self contained solids removal unit. The 304 stainless steel housing contains a stainless steel perforated basket. A quick latch lid allows easy access for basket cleaning and replacement.





Model No.	Style	Inlet / Outlet	Wt.Lbs.	List Price
ST12	w/ Sediment Basket	3NH	33.5	P.O.A.

Installation

- The Food Guardian should be connected to a sink waste pipe using the 3” elastomer coupling (provided).
- Ensure adequate clearance is provided for removal of the strainer basket (18”).
- Provide gravity fall of a minimum of 1/8” per foot in the connected waste water outlet piping.
- The ST12 is supplied with a plugged drain outlet for ease of maintenance.

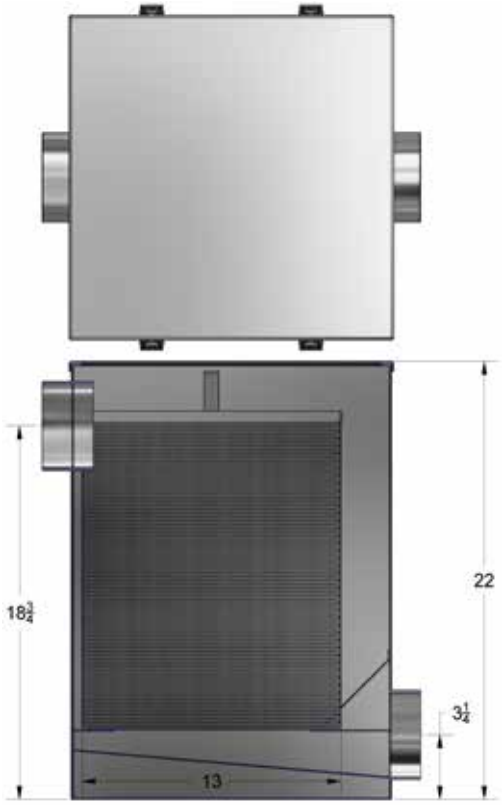
Product Characteristics		
Specification	**Tank**	**S/S Basket**
Material	18Ga. 304 S/S	S/S 1/8” Perf.
Volume	6.85 Gal.	17.6 Lbs.

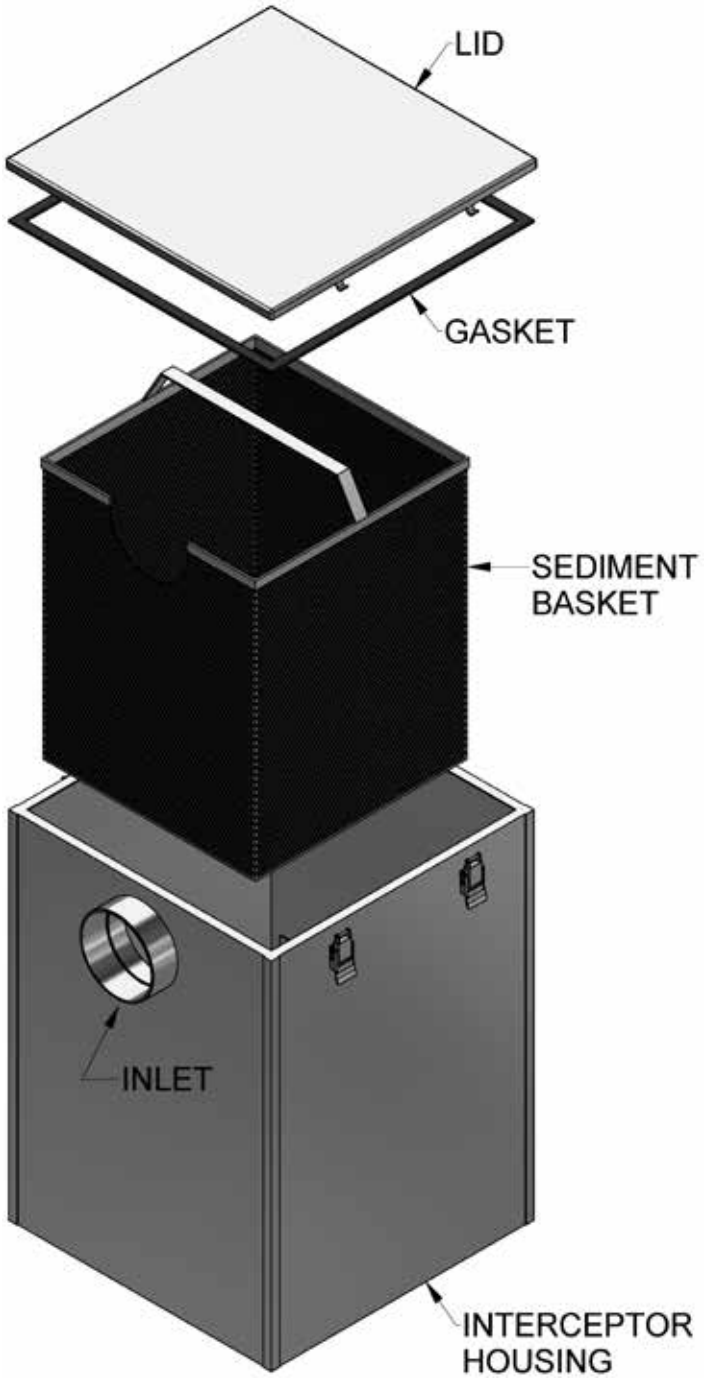
Maintenance

Remove lid, drain tank and lift out basket. Clean basket by rinsing with water before re-installation. Maintenance should be performed when basket is 3/4 full.

ST23 Food Guardian

Food Guardian Model ST23 is a self contained solids removal unit. The 304 stainless steel housing contains a large capacity stainless steel perforated basket. A quick latch lid allows easy access for basket cleaning and replacement.





Model No.	Style	Inlet / Outlet	Wt.Lbs.	List Price
ST23	w/ Sediment Basket	4NH	55.7	P.O.A.

Installation

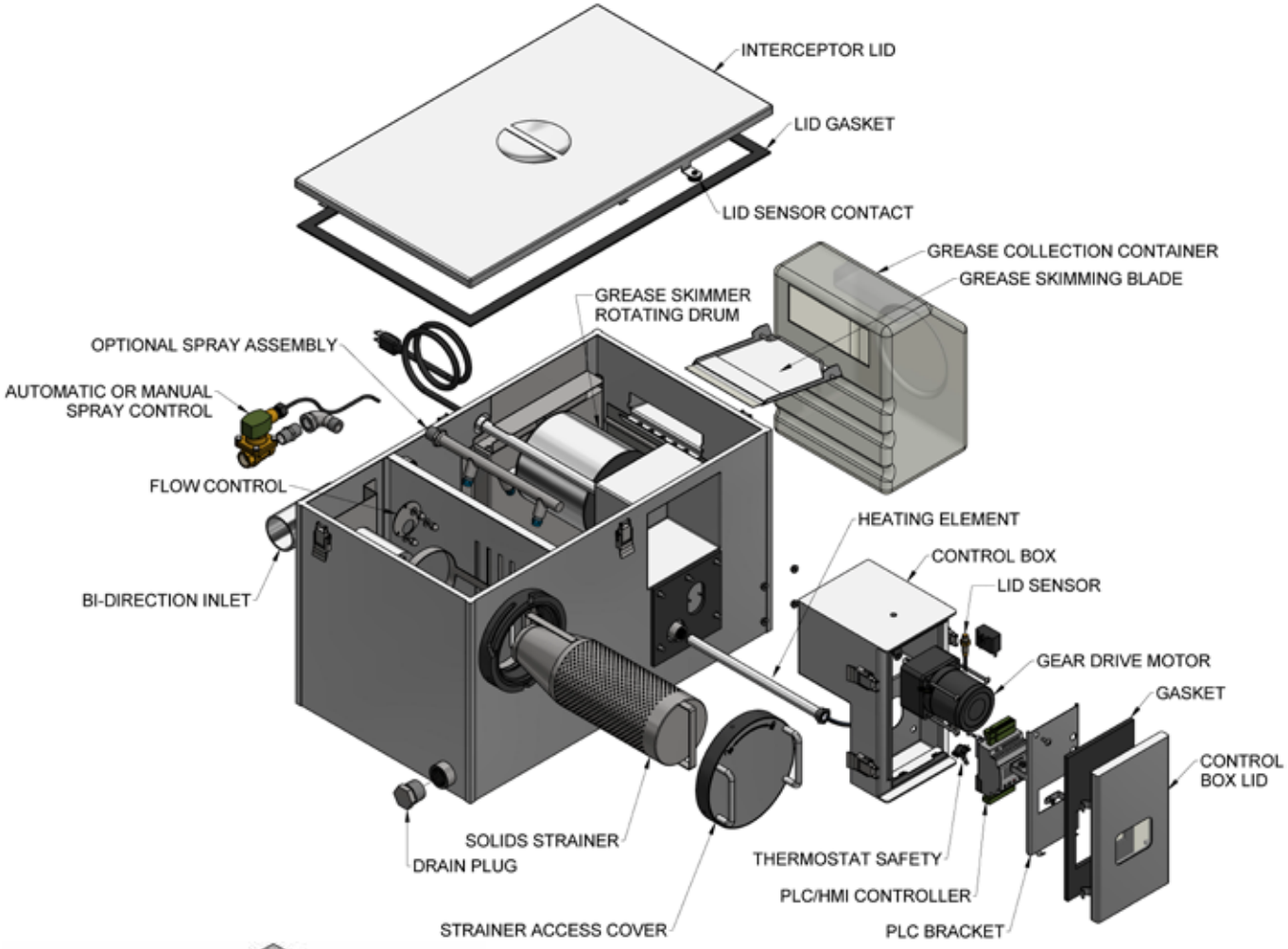
- The Food Guardian should be connected to a sink waste pipe using the 4” elastomer coupling (provided).
- Ensure adequate clearance is provided for removal of the strainer basket (18”).
- Provide gravity fall of a minimum of 1/8” per foot in the connected waste water outlet piping.
- The ST23 is supplied with a plugged drain outlet for ease of maintenance.

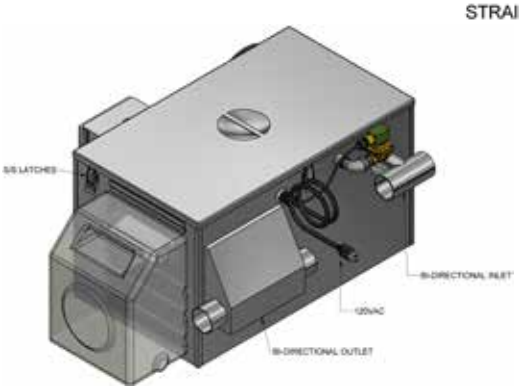
Product Characteristics		
Specification	**Tank**	**S/S Basket**
Material	18Ga. 304 S/S	S/S 1/8” Perf.
Volume	6.85 Gal.	17.6 Lbs.

Maintenance

Remove lid, drain tank and lift out basket. Clean basket by rinsing with water before re-installation. Maintenance should be performed when basket is 3/4 full.

GGX7-35 Grease Guardian - Point Source Recovery Devices





Note: If optional automatic spray control is required:

Hot Water Requirements

- 12 GPM @ 43.5 psi
- 100-140 Degrees F.
- 1/2” NPT Hot Water Supply Piping
- Provide Back-flow Prevention
- Watter Hammer Arrestor Recommended
- Wye Strainer Recommended

STANDARD FEATURES

- 3 Year Warranty
- 16 Gauge Stainless Steel Welded Tank
- Fully Sealed System
- Universal Flow Direction
- PLC/HMI Automatic Controller
- Easy Access Solids Strainer
- Long Life Skimming Blade
- Grease Collection Container (2 Gallon)
- Integral Flow Control
- Integral Gas Trap
- Concealed Electrics and Plumbing

Grease Guardian Accessories

(AP) High Level Alarm Probe - When Grease Level is reached, a flashing beacon or BMS Signal can be electronically activated

(RA) Automatic Wash Down Assembly - Solenoid Valve activates through the PLC for difficult grease conditions. Includes piping and integral spray nozzles.

(RM) Manual Wash Down Assembly - Lever Activated Ball Valve.

(M) Motion Sensor - Used in low use applications - If facility is inactive, the Point Source Recovery Device automatically switches off.

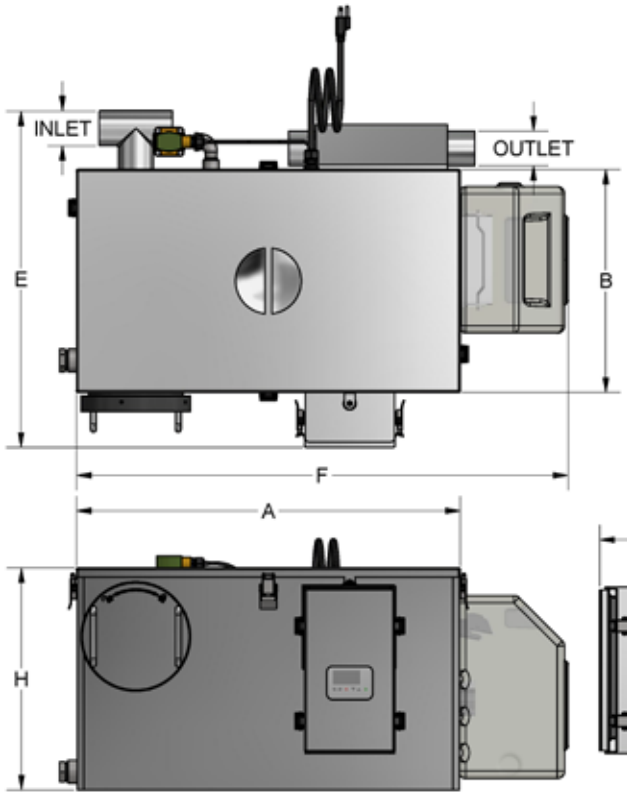
(B1) Bubbler System - Specifically designed to position and condition the grease mat. Air is released to break-up the grease, aiding the skimming process.

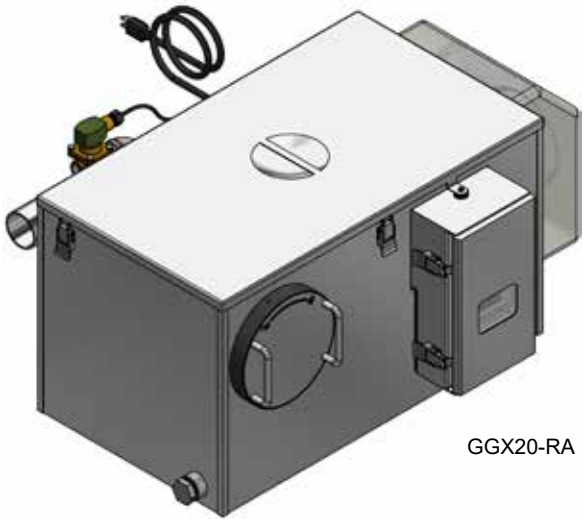
(J) Dosing Assembly - For applications that have high sugar waste. The dosing solution is automatically dispensed into the machine to help breakdown “sugar snakes” that clog the piping.

GGX7-35 Grease Guardian - Point Source Recovery Devices

Grease Guardian Model GGX is a self-cleaning automatic grease removal unit. 16 gauge fully welded 304 stainless steel tank stainless steel internal baffle plate, fully sealed air tight stainless steel lid and robust stainless steel clamps, above water heavy duty stainless steel dry solids strainer basket, unidirectional inlet and outlet flow connections, with easy fit pipe couplings, concealed plumbing and electrical connections and skimming rate per low/high cycle.

The GGX Series are supplied with a stainless steel rotating skimming drum, integral gas trap, integral flow control, totally enclosed geared drive unit, 600 watt immersion heater with self-regulating safety control, programmable controller and interface with energy saving mode. The GGX Series is supplied with a PLC controlled automatic hot water wash-down for internal tank maintenance, hot water connection is required for use. The GGX7-R is suitable for floor or shelf mounting arrangements. The GGX Series is electrically tested and approved with MET Laboratories to UL499 and CSA C22-2 88-1952 standards. 3 year warranty is standard.





GGX20-RA

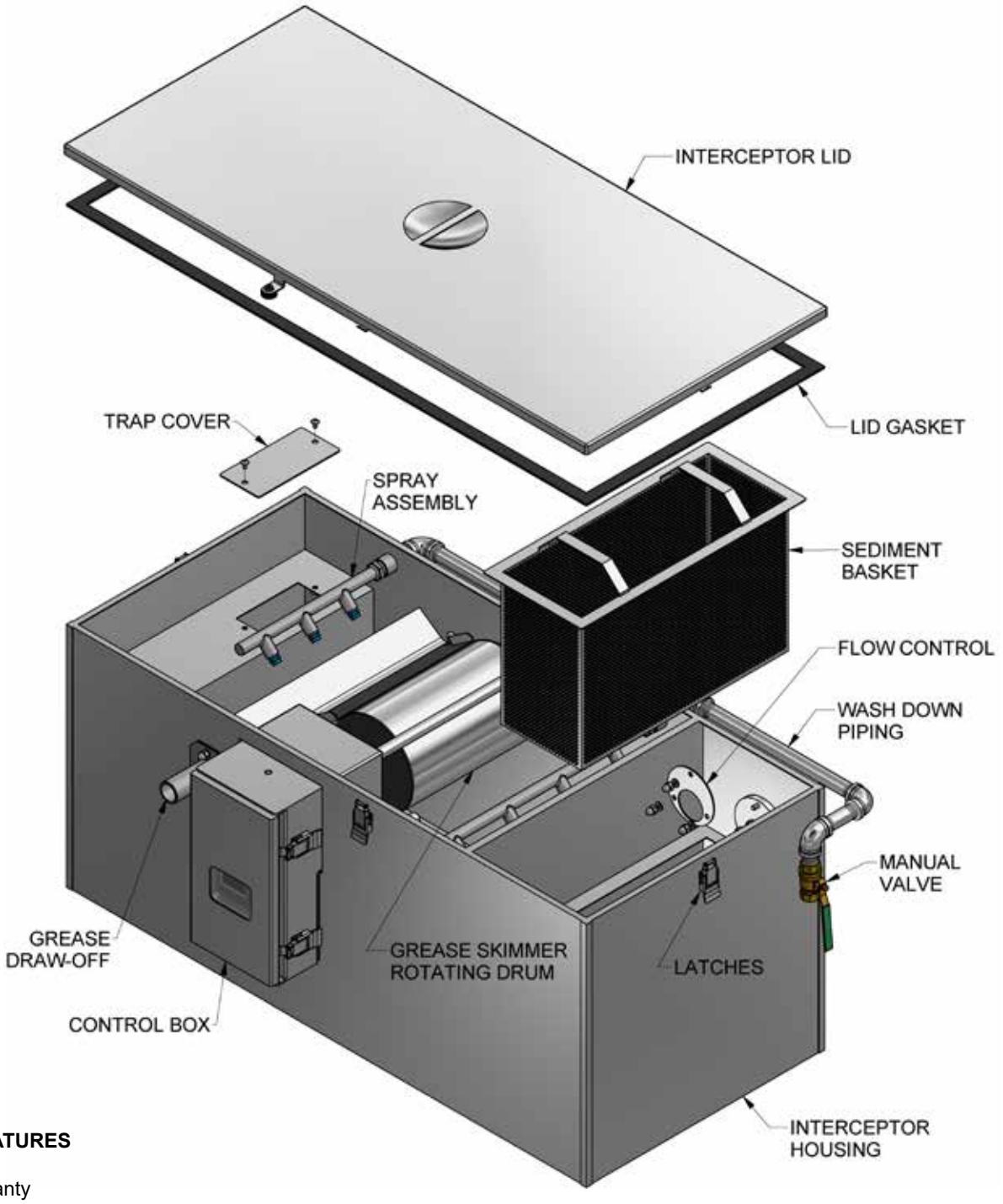
Model / GPM	Inlet / Outlet	Regularly Furnished
GGX7	2NH	P.O.A.
GGX15	2NH	P.O.A.
GGX20	2NH	P.O.A.
GGX25	2NH	P.O.A.
GGX35	3NH	P.O.A.

Technical Data	
Solids Strainer Capacity	6.6 Lbs.
Skimming Rate / Low	11 Lbs./Cycle
Skimmer Rate / High	22 Lbs./Cycle
Available Cycles	4 Per Day
Maximum Skimming	88 Lbs. Day
Program Control	PLC/HMI
Electrical	120VAC
	630 W
	5.73A

Model No.	Flow Rate (GPM)	Grease Capacity (Lbs.)	Dimensions (Inches)						Wt. Lbs.
			A	B	C	D	F	H	
GGX7	7	14	18.00	15.00	7.25	9.75	25.00	13.50	80.0
GGX15	15	30	24.50	15.00	4.50	9.50	32.00	13.50	88.0
GGX20	20	40	26.00	15.00	6.00	11.00	33.50	15.00	98.0
GGX25	25	50	26.00	15.00	7.50	12.50	33.50	16.50	102.0
GGX35	35	70	34.50	15.00	8.50	12.88	42.00	16.50	110.0

Accessories and Options		
Suffix	Description	Add (Deduct)
AP	High Level Alarm Probe	P.O.A.
B1	Bubbler System	P.O.A.
J	Dosing Assembly	P.O.A.
M	Motion Sensors	P.O.A.
RA	Automatic Wash Down Spray Assembly	P.O.A.
RM	Manual Wash Down Spray Assembly	P.O.A.

GGX50 Grease Guardian - Source Point Recovery Systems



STANDARD FEATURES

- 3 Year Warranty
- 16 Gauge Stainless Steel Welded Tank
- Fully Sealed System
- Universal Flow Direction
- PLC/HMI Automatic Controller
- Easy Access Solids Strainer
- Long Life Skimming Blade
- Integral Flow Control
- Integral Gas Trap
- Concealed Electrics and Plumbing

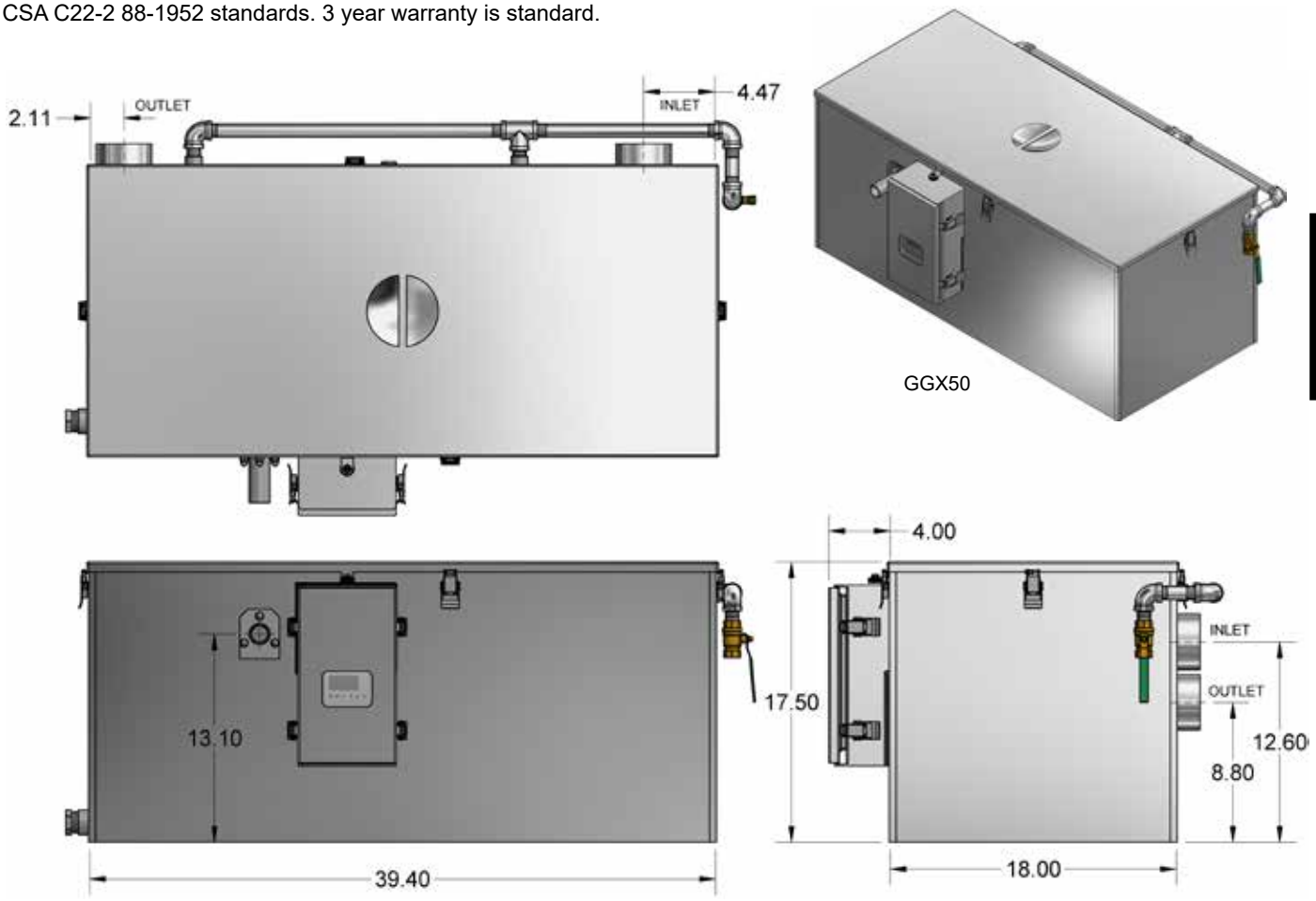
Hot Water Requirements

- 12 GPM @ 43.5 psi
- 100-140 Degrees F.
- 1/2” NPT Hot Water Supply Piping
- Provide Back-flow Prevention
- Watter Hammer Arrestor Recommended
- Wye Strainer Recommended

GGX50 Grease Guardian - Point Source Recovery Devices

Grease Guardian Model GGX50 is a self-cleaning automatic grease removal unit. 16 gauge fully welded 304 stainless steel tank stainless steel internal baffle plate, fully sealed air tight stainless steel lid and robust stainless steel clamps, above water heavy duty stainless steel dry solids strainer basket, unidirectional inlet and outlet flow connections, with easy fit pipe couplings, concealed plumbing and electrical connections and skimming rate per low/high cycle.

The GGX Series are supplied with a stainless steel rotating skimming drum, integral gas trap, integral flow control, totally enclosed geared drive unit, 600 watt immersion heater with self-regulating safety control, programmable controller and interface with energy saving mode. The GGX Series is supplied with a manual hot water wash down for internal tank maintenance, hot water connection is required for use. The GGX Series is electrically tested and approved with MET Laboratories to UL499 and CSA C22-2 88-1952 standards. 3 year warranty is standard.

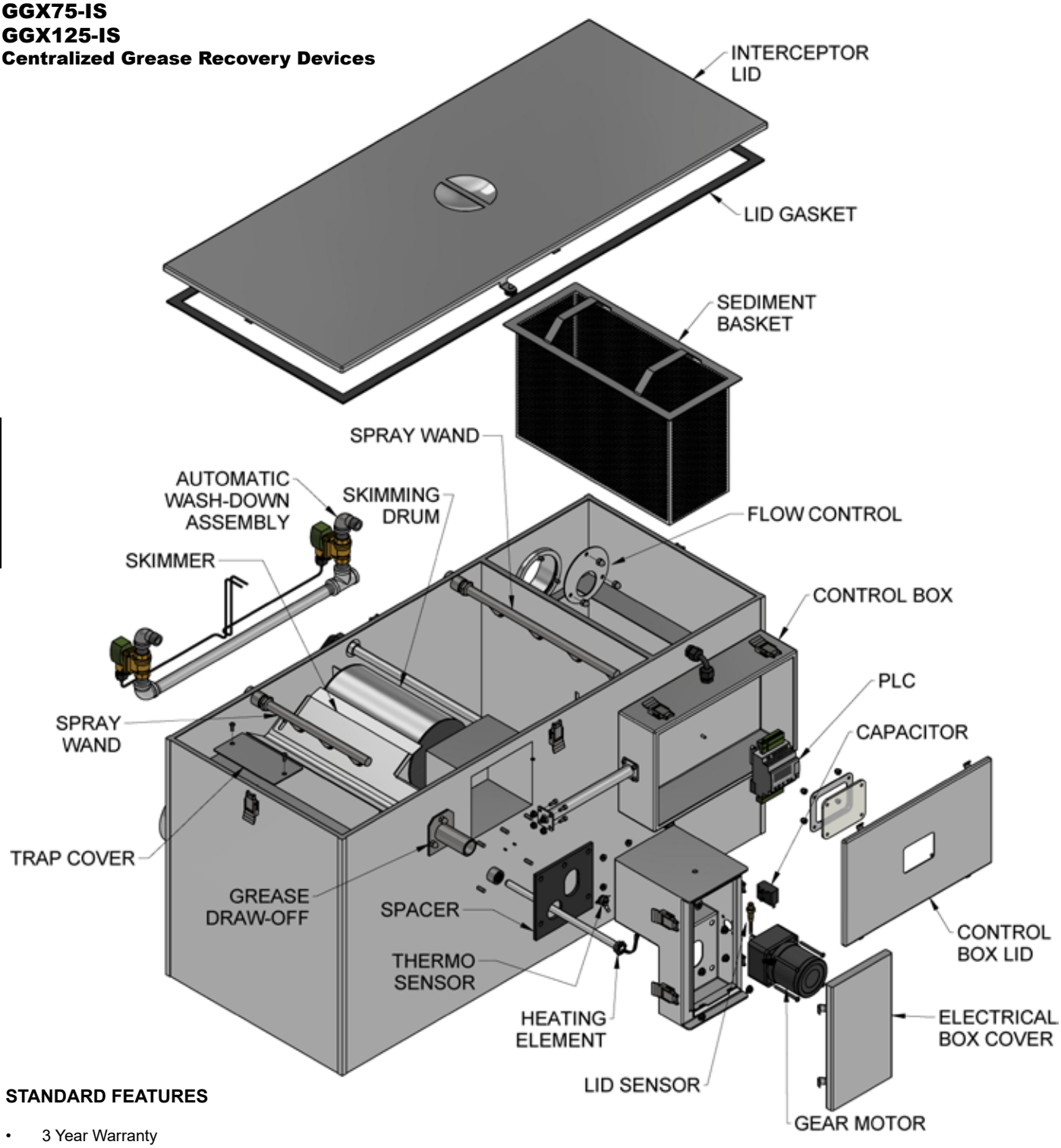


Model / GPM	Inlet / Outlet	Regularly Furnished	Wt. Lbs.
GGX50	3NH	P.O.A.	190.0

Accessories and Options		
Suffix	Description	Add (Deduct)
AP	High Level Alarm Probe	P.O.A.
B1	Bubbler System	P.O.A.
J	Dosing Assembly	P.O.A.
M	Motion Sensors	P.O.A.
RA	Automatic Wash Down Spray Assembly	P.O.A.
ES50	Equipment Stand (GGX50)	P.O.A.
RM	Manual Wash Down Spray Assembly	P.O.A.

Technical Data	
Solids Strainer Capacity	2.5 Gallons
Skimming Rate / Low	11 Lbs./Cycle
Skimmer Rate / High	22 Lbs./Cycle
Available Cycles	4 Per Day
Maximum Skimming	88 Lbs. Day
Program Control	PLC/HMI
Electrical	120VAC
	630 W
	5.73A

GGX75-IS
GGX125-IS
Centralized Grease Recovery Devices



STANDARD FEATURES

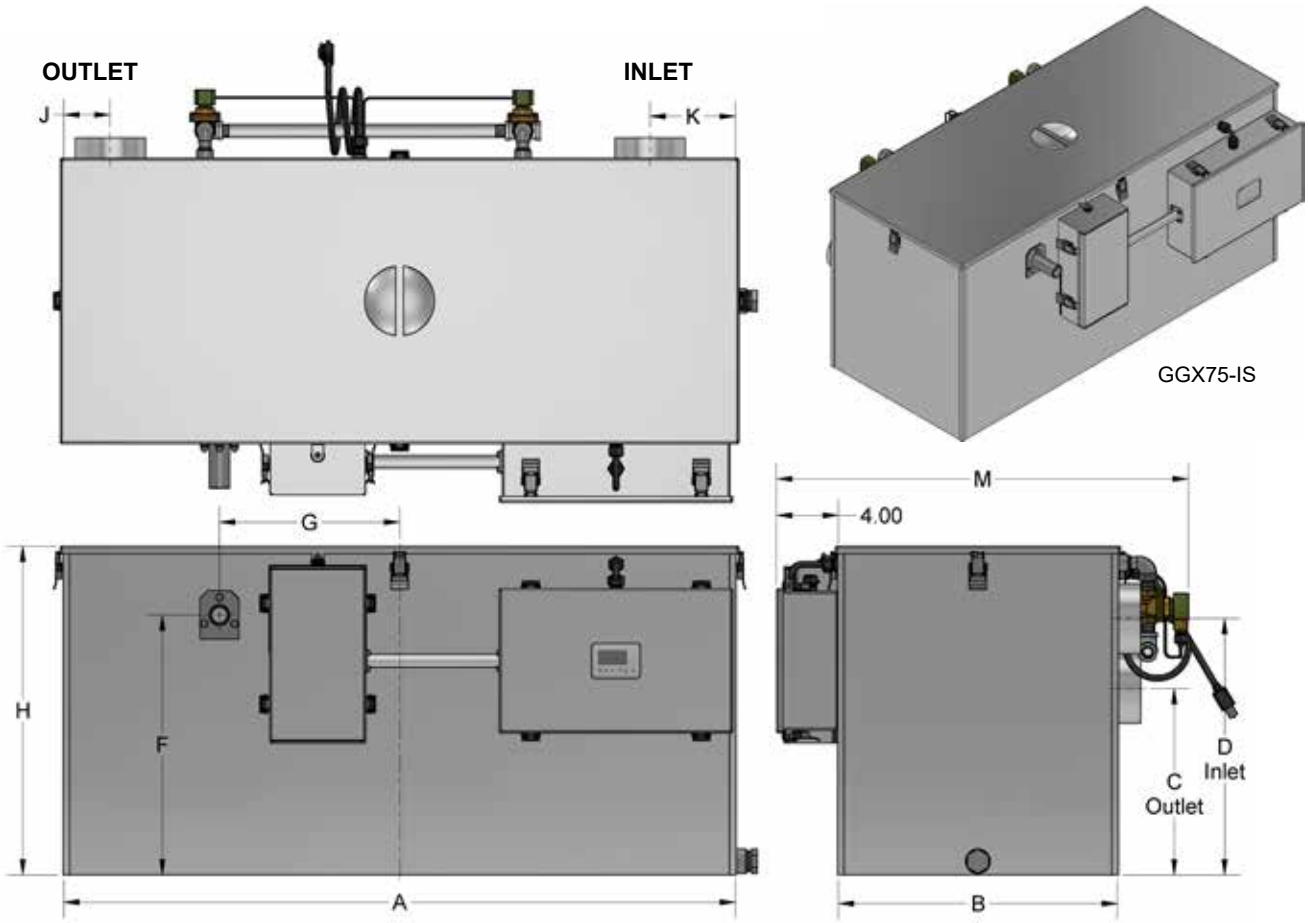
- 3 Year Warranty
- 16 Gauge Stainless Steel Welded Tank
- Fully Sealed System
- Universal Flow Direction
- PLC/HMI Automatic Controller
- Easy Access Solids Strainer
- Long Life Skimming Blade
- Integral Flow Control
- Integral Gas Trap
- Concealed Electrics and Plumbing

Hot Water Requirements

- 12 GPM @ 43.5 psi
- 100-140 Degrees F.
- 1/2” NPT Hot Water Supply Piping
- Provide Back-flow Prevention
- Watter Hammer Arrestor Recommended
- Wye Strainer Recommended

Grease Guardian Model GGX75-IS & GGX125-IS are self-cleaning automatic grease removal units. 16 gauge fully welded 304 stainless steel tank stainless steel internal baffle plate, fully sealed air tight stainless steel lid and robust stainless steel clamps, above water heavy duty stainless steel dry solids strainer basket, uni-directional inlet and outlet flow connections, with easy fit pipe couplings, concealed plumbing and electrical connections and skimming rate per low/high cycle.

The GGX Series are supplied with a stainless steel rotating skimming drum, integral gas trap, integral flow control, totally enclosed geared drive unit, 600 watt immersion heater with self-regulating safety control, programmable controller and interface with energy saving mode. The GGX Series is supplied with a PLC controlled automatic hot water wash down for internal tank maintenance, hot water connection is required for use. The GGX Series is electrically tested and approved with MET Laboratories to UL499 and CSA C22-2 88-1952 standards. 3 year warranty is standard.

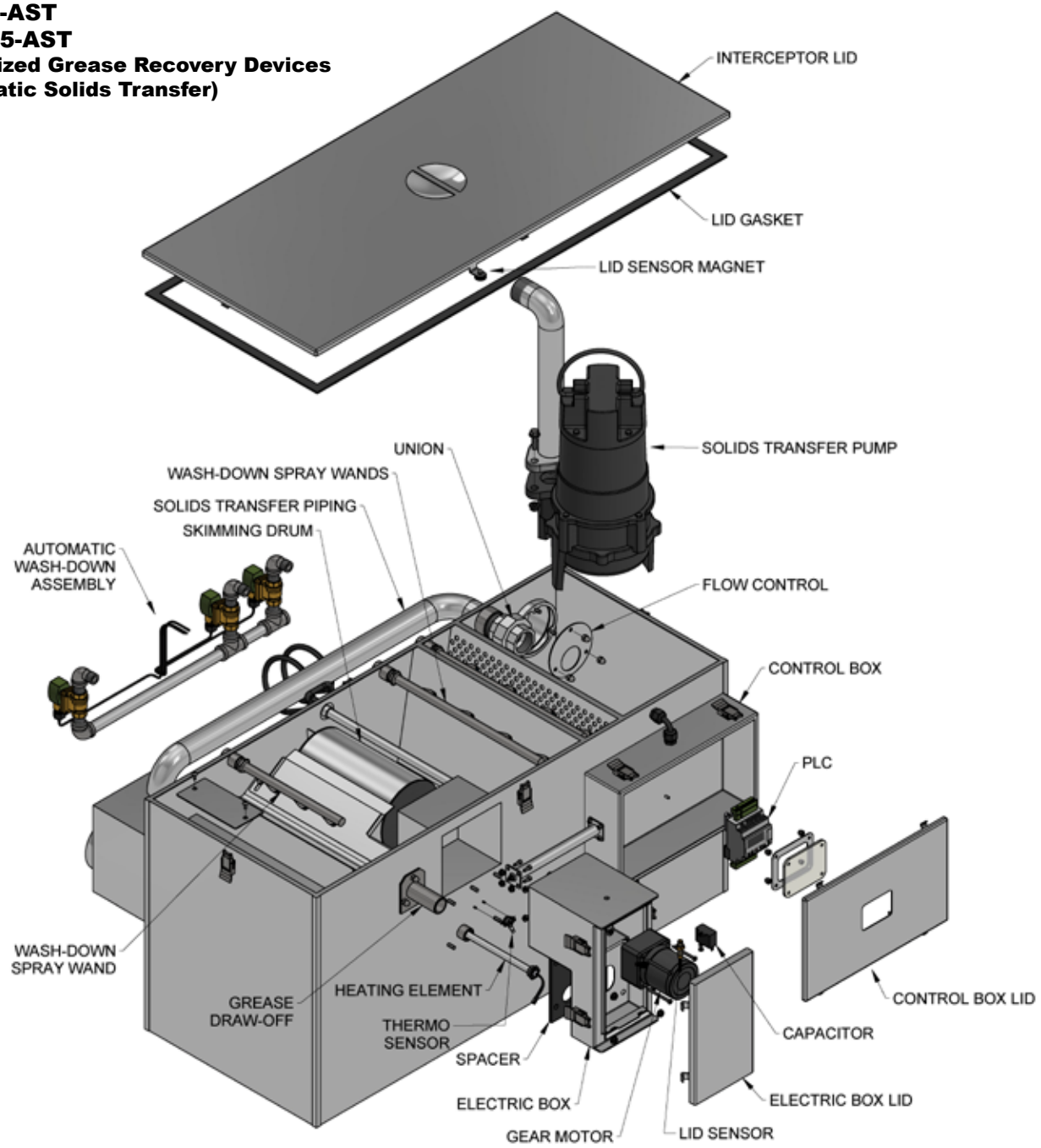


Model No.	Inlet/Outlet	Regularly Furnished	Flow Rate (GPM)	Grease Capacity (Lbs.)	Dimensions (Inches)										Wt. Lbs.
					A	B	C	D	F	G	H	J	K	M	
GGX75-IS	4NH	P.O.A.	75	150	43.30	18.00	12.00	16.50	16.73	11.61	21.30	3.00	5.50	26.54	210.0
GGX125-IS	4NH	P.O.A.	125	250	59.10	18.00	15.20	19.70	19.90	11.80	24.40	3.10	2.80	26.10	250.0

Accessories and Options		
Suffix	Description	Add (Deduct)
AP	High Level Alarm Probe	P.O.A.
B1	Bubbler System	P.O.A.
J	Dosing Assembly	P.O.A.
M	Motion Sensors	P.O.A.
ES75	Equipment Stand (GGX75)	P.O.A.
ES125	Equipment Stand (GGX125)	P.O.A.
RM	Manual Wash Down Spray Assembly	P.O.A.

Technical Data	
Solids Strainer Capacity	2.5 Gallons
Skimming Rate / Low	20 Lbs./Cycle
Skimmer Rate / High	40 Lbs./Cycle
Available Cycles	4 Per Day
Maximum Skimming	88 Lbs. Day
Program Control	PLC/HMI
Electrical	120VAC
	630 W
	5.73A

GGX75-AST
GGX125-AST
Centralized Grease Recovery Devices (Automatic Solids Transfer)

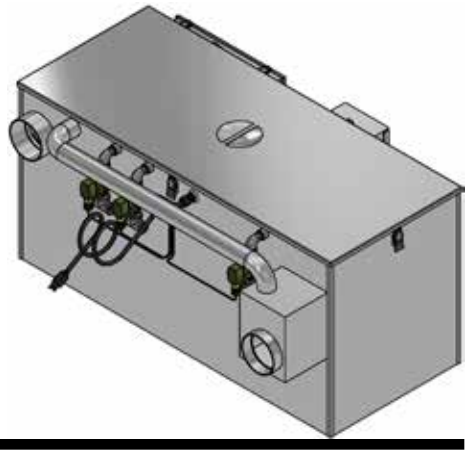


STANDARD FEATURES

- 3 Year Warranty
- 16 Gauge Stainless Steel Welded Tank
- Fully Sealed System
- Universal Flow Direction
- PLC/HMI Automatic Controller
- Easy Access Solids Strainer
- Long Life Skimming Blade
- Integral Flow Control
- Integral Gas Trap
- Concealed Electrics and Plumbing
- Solids Transfer Pump

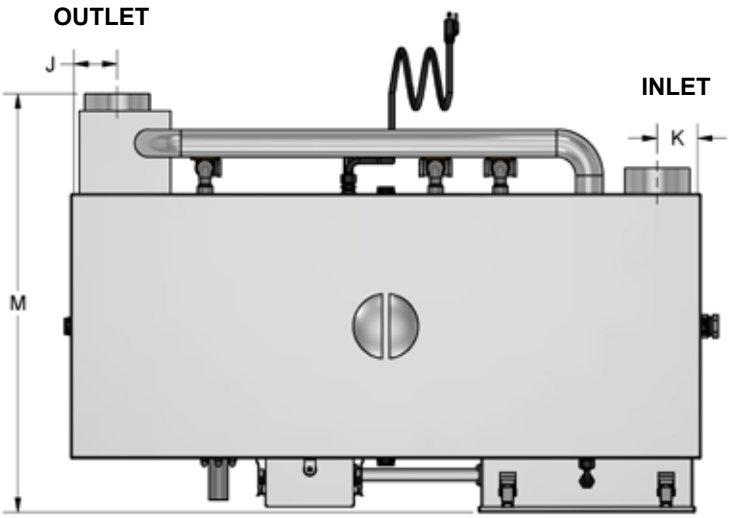
Hot Water Requirements

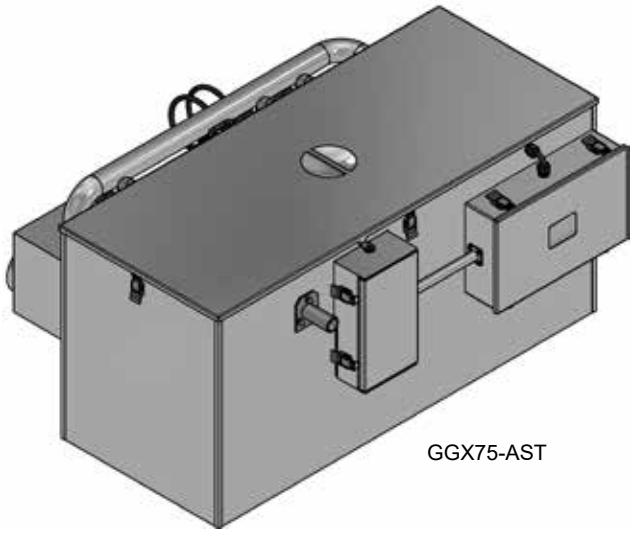
- 12 GPM @ 43.5 psi
- 100-140 Degrees F.
- 1/2” NPT Hot Water Supply Piping
- Provide Back-flow Prevention
- Watter Hammer Arrestor Recommended
- Wye Strainer Recommended



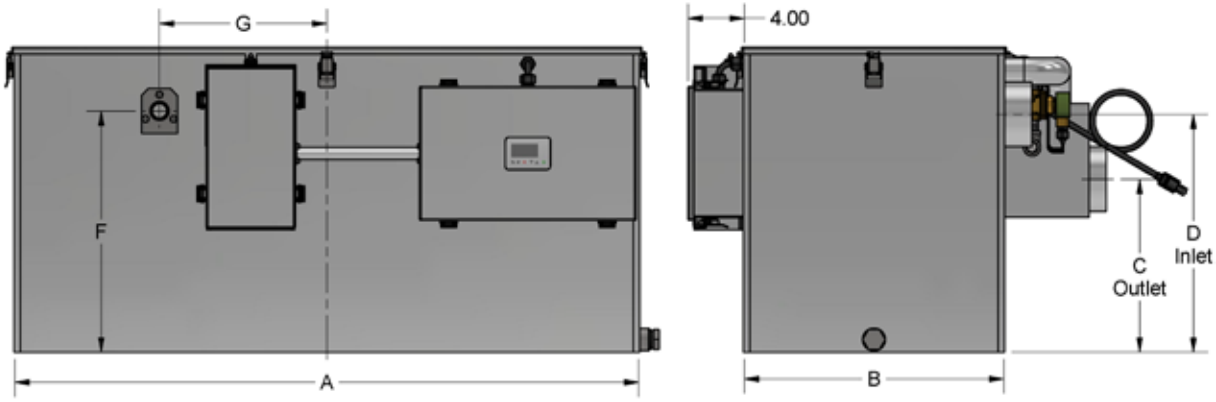
Grease Guardian Model GGX75-AST and GGX125-AST are self-cleaning automatic grease removal units. 16 gauge fully welded 304 stainless steel tank stainless steel internal baffle plate, fully sealed air tight stainless steel lid and robust stainless steel clamps, above water heavy duty stainless steel dry solids strainer basket, uni-directional inlet and outlet flow connections, with easy fit pipe couplings, concealed plumbing and electrical connections and skimming rate per low/high cycle.

The GGX75-AST and GGX125-AST are supplied with a stainless steel rotating skimming drum, integral gas trap, integral flow control, totally enclosed geared drive unit, 600 watt immersion heater with self-regulating safety control, programmable controller and interface with energy saving mode. Self cleaning Automatic Solids Transfer (AST) feature via built in submersible solids transfer pump. The GGX75-AST is suitable for floor mounting. The GGX75AST is electrically tested and approved MET Labs to UL499 and CSA C22-2 88-1952 standards. 3 year warranty is standard.





GGX75-AST

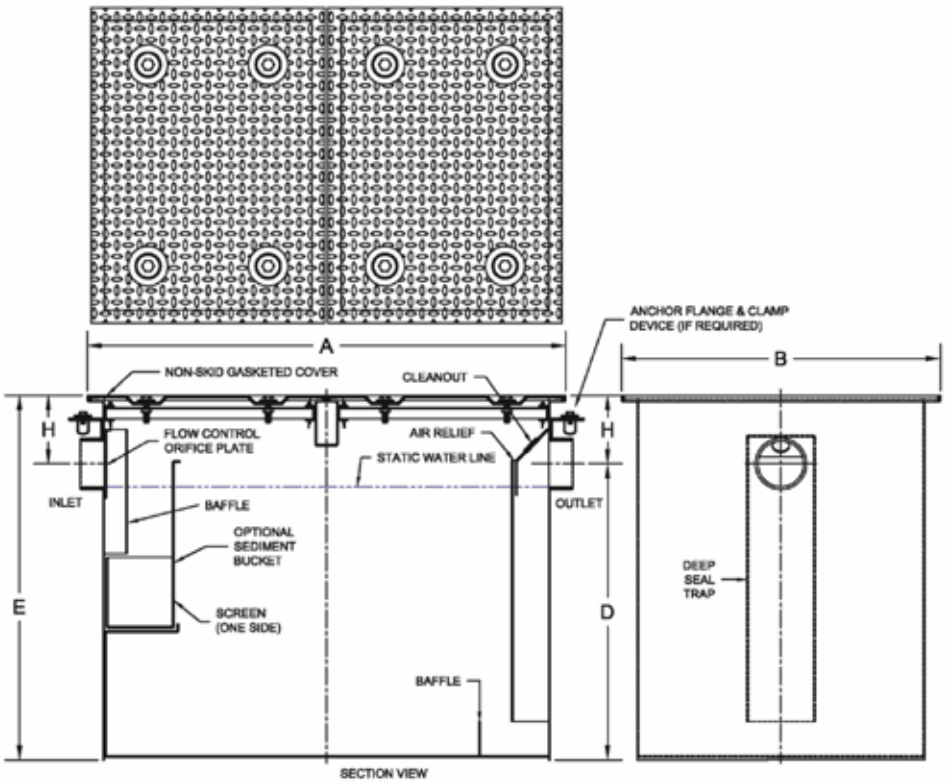


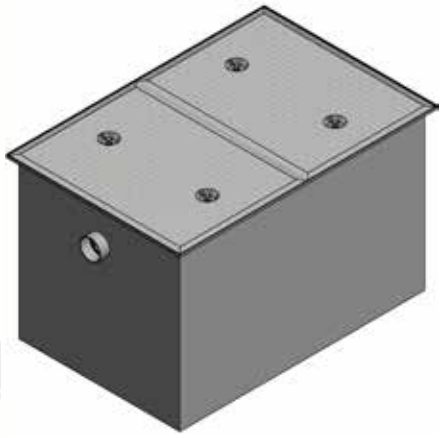
Model No.	Inlet/Outlet	Regularly Furnished	Flow Rate (GPM)	Grease Capacity (Lbs.)	Dimensions (Inches)										Wt. Lbs.
					A	B	C	D	F	G	H	J	K	M	
GGX75-AST	4NH	P.O.A.	75	150	43.30	18.00	12.00	16.50	16.73	11.61	21.30	3.00	5.50	26.54	240.0
GGX125-AST	4NH	P.O.A.	125	250	59.10	18.00	15.20	19.70	19.90	11.80	24.40	3.10	2.80	25.10	290.0

Accessories and Options		
Suffix	Description	Add (Deduct)
AP	High Level Alarm Probe	P.O.A.
B1	Bubbler System	P.O.A.
J	Dosing Assembly	P.O.A.
M	Motion Sensors	P.O.A.
ES75	Equipment Stand (GGX75)	P.O.A.
ES125	Equipment Stand (GGX125)	P.O.A.
RM	Manual Wash Down Spray Assembly	P.O.A.

Technical Data	
Skimming Rate / Low	20 Lbs./Cycle
Skimmer Rate / High	40 Lbs./Cycle
Available Cycles	4 Per Day
Maximum Skimming	88 Lbs. Day
Program Control	PLC/HMI
Electrical	120VAC
	630 W
	5.73A

5200 Large Capacity Grease Interceptor





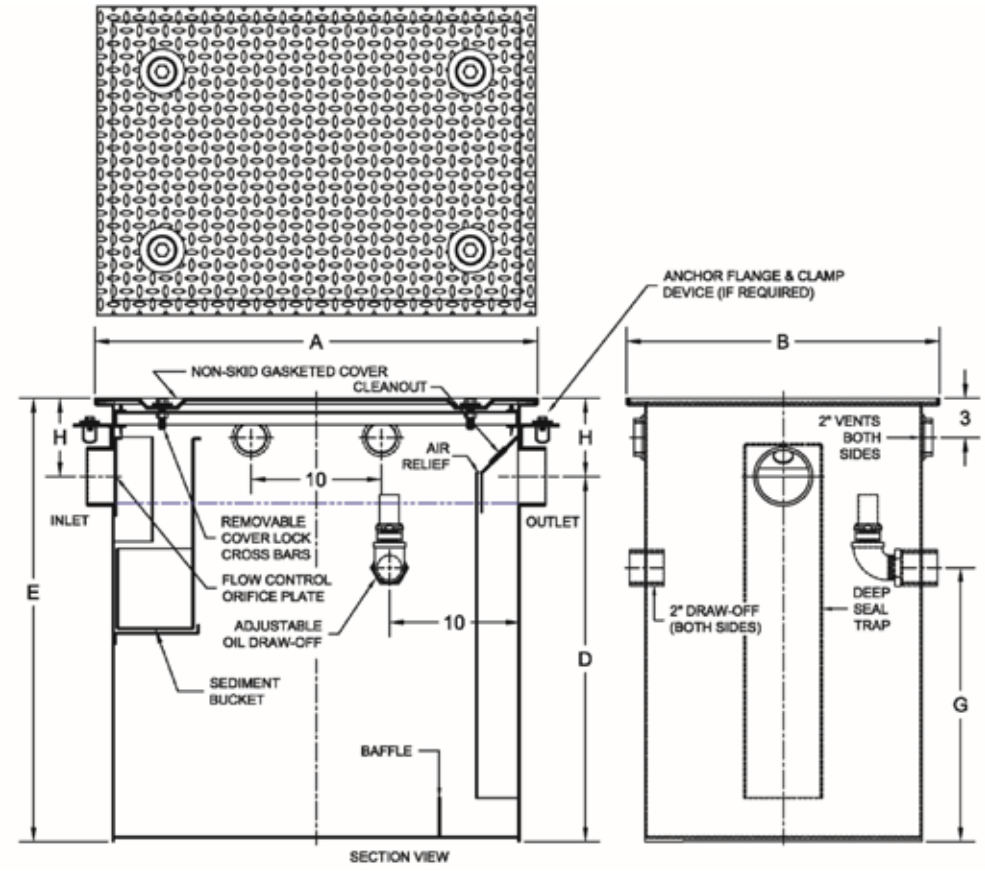
5200-75-4NH

Regularly Furnished: Fabricated A.R.C. steel grease interceptor with removable baffles, & gasketed cover.

Size / GPM	Pipe Size	Interceptor Capacity		Dimensions (Inches)					No. of Lids	Wt. Lbs.
		Lbs.	Gallons	A	B	D	E	H		
75	4"	150	106	42	28	26	32	6	2	549.0
100	4"	200	193	55	37	26	34	8	2	638.0
125	4"	250	227	58	38	28	36	8	3	749.0
150	4"	300	265	61	39	30	38	8	3	822.0
200	4"	400	396	70	44	34	44	10	6	1267.0
250	4"	500	501	75	46	38	48	10	6	1951.0
300	4"	600	580	77	49	40	52	12	6	2096.0
400	6"	800	805	84	56	44	58	14	6	2780.0
500	6"	1000	1172	92	61	54	68	14	6	2994.0

Size / GPM	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)				
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamping Device	XT Extension	
						Up to 6"	Each 1" over 6"
75	4IPS/4NH	$ 39,379.00	$ 12,515.00	$ 2,874.00	$ 5,224.00	$ 4,682.00	$ 372.00
100	4IPS/4NH	44,312.00	17,219.00	3,217.00	5,843.00	5,256.00	397.00
125	4IPS/4NH	46,765.00	18,894.00	3,856.00	6,530.00	5,560.00	429.00
150	4IPS/4NH	49,214.00	22,110.00	4,494.00	7,232.00	5,849.00	455.00
200	4IPS/4NH	71,371.00	25,217.00	4,814.00	8,453.00	10,524.00	479.00
250	4IPS/4NH	83,103.00	34,803.00	6,418.00	11,395.00	13,071.00	523.00
300	4IPS/4NH	97,943.00	44,679.00	7,264.00	12,294.00	15,621.00	588.00
400	6IPS/6NH	119,844.00	60,673.00	8,490.00	14,274.00	21,164.00	723.00
500	6IPS/6NH	141,851.00	74,129.00	9,636.00	16,202.00	27,274.00	784.00

5400 Oil Interceptor





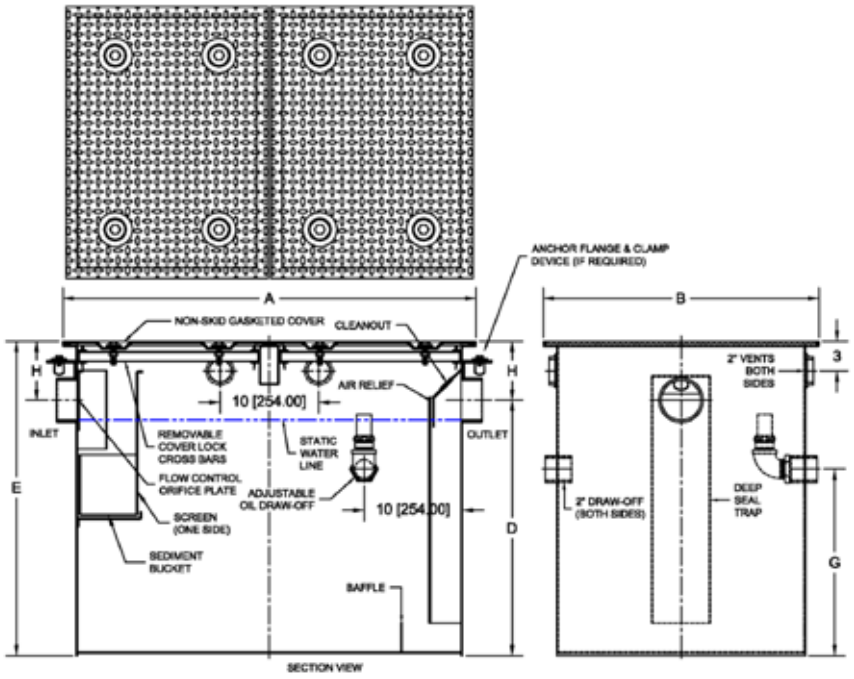
5400-35-3IPS

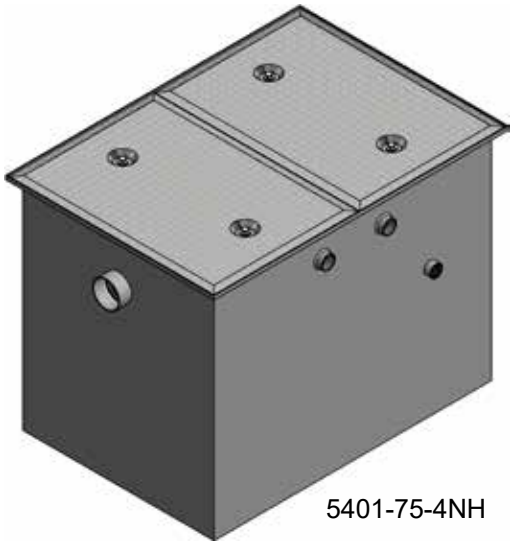
Regularly Furnished: Fabricated A.R.C. steel oil interceptor with removable baffles, & gasketed cover.

Size	Interceptor Capacity		Dimensions (Inches)						No. of Lids	Wt. Lbs.
	Gallons	Cu. Ft.	A	B	D	E	G	H		
10	10	1.3	21	15 1/2	9 1/2	13	4	3 1/2	1	56.0
15	14	1.9	34	15 1/2	11 1/2	15	5 1/2	3 1/2	1	77.0
20	17	2.2	24	15 1/2	14	17 1/2	8	3 1/2	1	106.0
25	56	7.5	28	22	26	32	19	6	1	306.0
35	76	10.2	34	24	26	32	19	6	1	399.0
50	82	11.0	34	24	28	34	21	6	1	531.0

Size / GPM	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)				
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamping Device	XT Extension	
						Up to 6"	Each 1" over 6"
10	2IPS/2NH	$ 8,014.00	$ 8,518.00	$ 2,046.00	$ 2,460.00	$ 7,500.00	$ 330.00
15	2IPS/2NH	10,994.00	9,158.00	2,046.00	2,460.00	7,597.00	372.00
20	3IPS/3NH	13,288.00	9,696.00	2,207.00	2,460.00	2,207.00	419.00
25	3IPS/3NH	14,431.00	10,238.00	2,297.00	2,744.00	2,297.00	479.00
35	3IPS/3NH	17,545.00	11,316.00	2,413.00	2,847.00	8,343.00	523.00
50	3IPS/3NH	23,595.00	11,851.00	2,460.00	3,240.00	9,957.00	604.00

5401 Large Capacity Oil Interceptor





5401-75-4NH

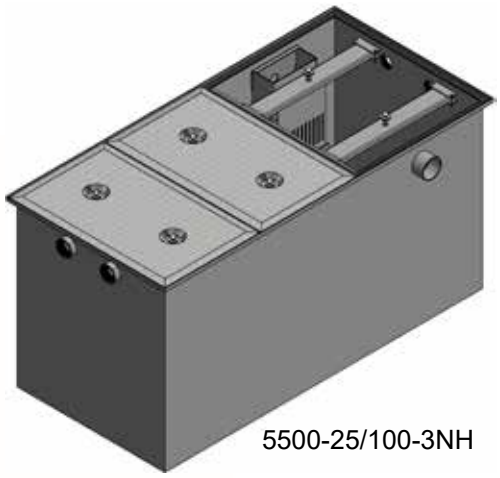
Regularly Furnished: Fabricated A.R.C. steel oil interceptor with removable baffles, & gasketed cover.

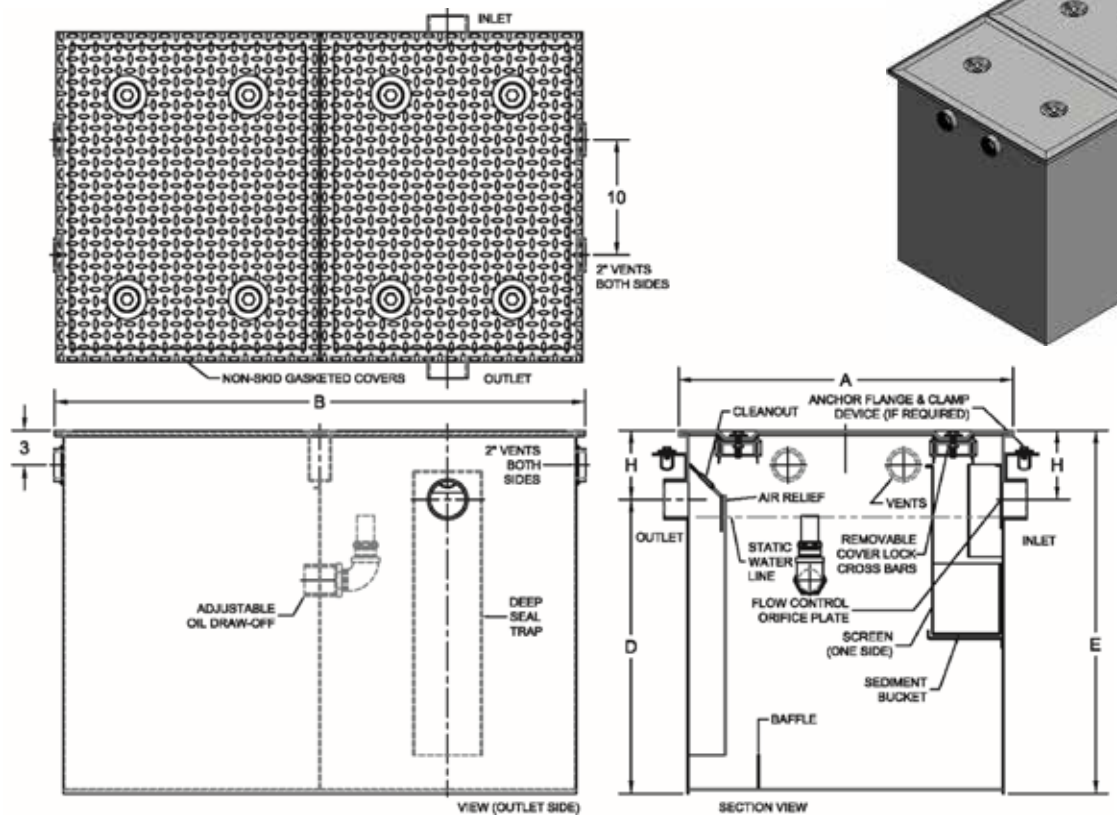
Size	Pipe Size	Interceptor Capacity		Dimensions (Inches)						No. of Lids	Wt. Lbs.
		Gallons	Cu. Ft.	A	B	D	E	G	H		
75	4"	168	232.4	48	34	28	36	21	8	2	710.0
100	4"	188	25.1	51	36	28	36	21	8	2	941.0
125	4"	195	26.1	53	36	28	36	21	8	2	1112.0
150	4"	215	28.7	58	36	28	38	20 1/2	10	3	1235.0
200	4"	309	41.3	68	38	32	42	25	10	4	1524.0
250	4"	427	67.0	74	40	38	50	31	12	4	1654.0
300	4"	526	70.2	78	44	40	52	33	12	4	1887.0
350	6"	590	73.5	80	46	40	52	33	12	6	2014.0
400	6"	622	83.1	82	48	42	54	35	12	6	2261.0
450	6"	665	88.8	84	50	42	54	35	12	6	2350.0
500	6"	783	104.5	86	62	46	58	39	12	6	2510.0

Size / GPM	Pipe Size Outlet Type	Regularly Furnished	Suffix Options (Add)				
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamping Device	XT Extension	
						Up to 6"	Each 1" over 6"
75	4IPS/4NH	$ 40,865.00	$ 12,515.00	$ 2,680.00	$ 4,855.00	$ 5,607.00	$ 372.00
100	4IPS/4NH	44,312.00	17,219.00	2,999.00	5,433.00	5,849.00	397.00
125	4IPS/4NH	51,694.00	18,894.00	3,594.00	6,083.00	6,083.00	429.00
150	4IPS/4NH	54,873.00	22,110.00	4,186.00	6,730.00	6,319.00	455.00
200	4IPS/4NH	77,518.00	25,217.00	4,484.00	7,865.00	9,039.00	479.00
250	4IPS/4NH	89,767.00	34,803.00	5,991.00	10,202.00	11,751.00	523.00
300	4IPS/4NH	101,645.00	44,679.00	6,773.00	11,442.00	14,283.00	588.00
350	6IPS/6NH	113,515.00	52,684.00	7,546.00	12,678.00	16,920.00	658.00
400	6IPS/6NH	136,598.00	60,673.00	8,016.00	13,473.00	19,734.00	723.00
450	6IPS/6NH	146,788.00	69,329.00	8,490.00	14,280.00	23,033.00	762.00
500	6IPS/6NH	172,283.00	36,622.00	8,964.00	15,086.00	26,345.00	784.00

5500 Oil Interceptor with Integral Storage Compartment

Regularly Furnished: Fabricated A.R.C. steel oil interceptor with integral storage compartment, removable baffles, & gasketed cover.

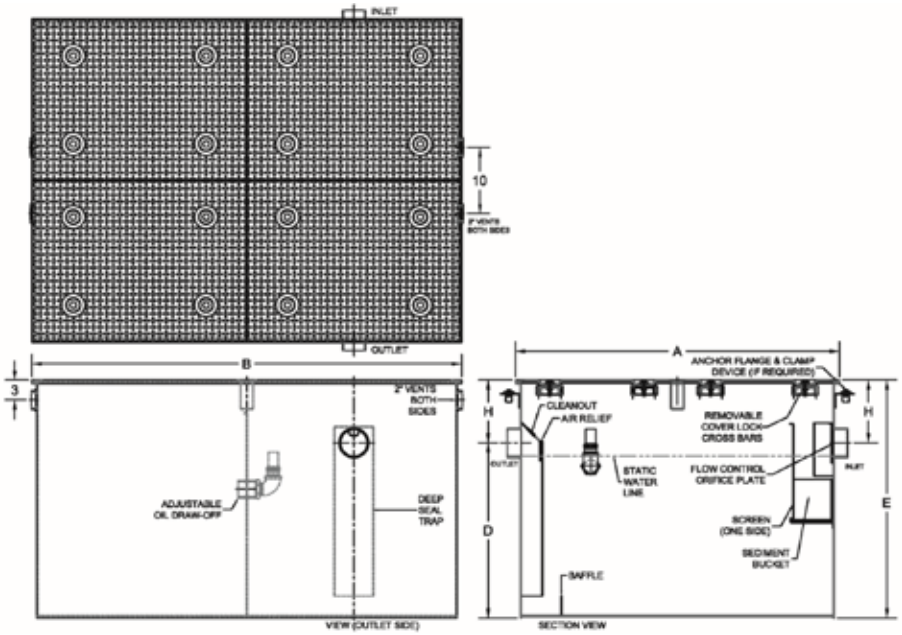


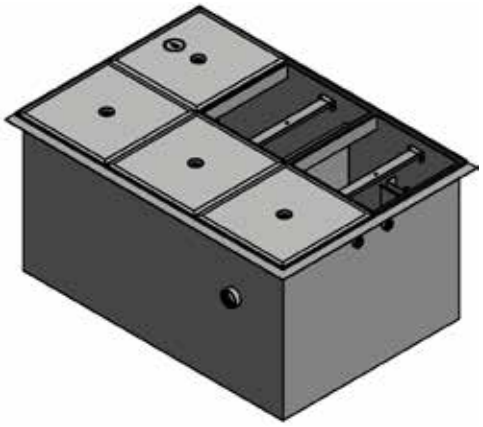


Size	Interceptor Capacity		Holding Tank Capacity		Dimensions (Inches)					No. of Lids	Wt. Lbs.
	Gallons	Cu.Ft.	Gallons	Cu. Ft.	A	B	D	E	H		
10	10.6	1.4	8.9	1.2	24	26	9	13	4	1	88.0
15	15.0	2.0	12.3	1.6	26	26 1/2	11	15	4	1	95.0
20	18.0	2.4	14.3	1.9	26	26 1/2	13 1/2	17 1/2	4	1	115.0
25	63.1	8.4	65.0	8.7	29	46	25 1/2	30	4 1/2	2	630.0
35	100.2	13.4	61.0	8.2	37	44 1/2	26	31	5	4	710.0
50	163.0	21.9	117.0	15.5	43	65 1/2	26	32	6	4	1120.0

Size / GPM	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)					
			24 Anchor Flange	26 Anchor Flange w/ Clamping Device	AP* High Level Probe w/ Audible Alarm	HD Heavy Duty Cover	XT Extension	
							Up to 6"	Each 1" over 6"
10	2IPS/2NH	$ 12,015.00	$ 3,059.00	$ 3,677.00	$ 16,883.00	$ 13,578.00	$ 11,254.00	$ 471.00
15	2IPS/2NH	16,483.00	3,059.00	3,677.00	16,883.00	14,423.00	11,395.00	573.00
20	3IPS/3NH	19,928.00	3,312.00	3,677.00	16,883.00	15,273.00	11,736.00	651.00
25	3IPS/3NH	21,639.00	3,457.00	4,098.00	16,883.00	16,113.00	12,049.00	707.00
35	3IPS/3NH	26,290.00	3,595.00	4,244.00	16,883.00	16,970.00	12,502.00	769.00
50	3IPS/3NH	35,383.00	3,677.00	4,851.00	16,883.00	17,835.00	14,931.00	907.00

5501 Large Capacity Oil Interceptor with Integral Storage Compartment





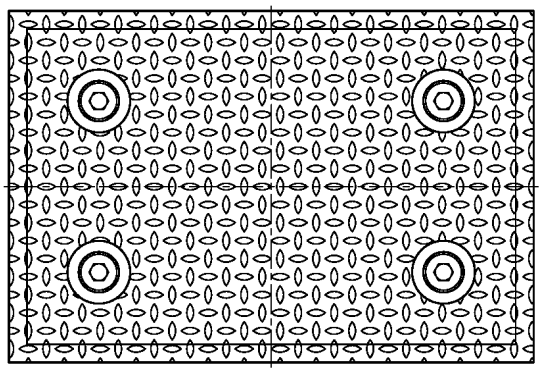
5501-75-4NH-HD

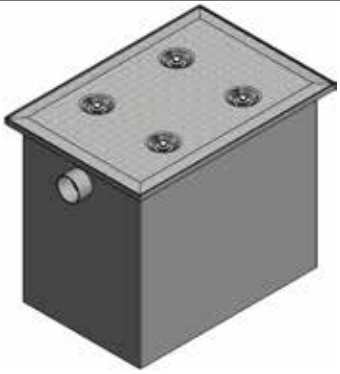
Regularly Furnished: Fabricated A.R.C. steel oil interceptor with integral storage compartment, removable baffles, & gasketed cover.

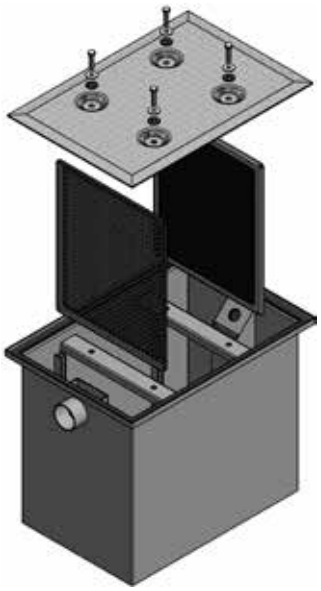
Size	Pipe Size	Interceptor Capacity		Holding Tank Capacity		Dimensions (Inches)					No. of Lids	Wt. Lbs.
		Gallons	Cu. Ft.	Gallons	Cu.Ft.	A	B	D	E	H		
75	4"	202	27.0	122	16.3	49	65	26 1/2	36	9 1/2	4	1350.0
100	4"	303	40.5	238	31.8	58	90	26 1/2	36	9 1/2	4	1853.0
125	4"	344	46.0	269	36.0	62	90	28	40	12	9	1912.0
150	4"	357	47.7	233	31.1	66	76	30	44	14	9	2000.0
200	4"	453	60.5	347	46.4	73	90	30 1/2	48	17 1/2	9	2300.0
250	4"	589	78.7	348	46.7	73	90	35 1/2	51	15 1/2	9	2811.0
300	4"	815	108.9	345	46.2	95	86	36 1/2	52	15 1/2	9	3100.0
350	6"	1066	142.5	569	76.0	101	94	43 1/2	60	16 1/2	9	3454.0
400	6"	1109	148.3	562	75.2	108	91	43	60	17	9	3510.0
450	6"	1113	148.8	566	75.7	119	83	43	60	17	9	3910.0
500	6"	1240	165.8	559	74.8	119	83	46	66	20	9	4220.0

Size / GPM	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)					
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamping Collar	AP * High Level Probe w/ Audible Alarm	XT Fixed Extension	
							Up to 10"	Each 1" over 10"
75	4IPS/4NH	$ 61,298.00	$ 18,748.00	$ 4,047.00	$ 7,308.00	$ 16,126.00	$ 8,409.00	$ 573.00
100	4IPS/4NH	66,498.00	25,846.00	4,530.00	8,152.00	16,126.00	8,770.00	599.00
125	4IPS/4NH	77,482.00	28,334.00	5,380.00	9,138.00	16,126.00	9,138.00	651.00
150	4IPS/4NH	82,288.00	33,170.00	6,279.00	10,098.00	16,126.00	9,486.00	684.00
200	4IPS/4NH	115,741.00	37,838.00	6,704.00	11,795.00	16,126.00	13,578.00	707.00
250	4IPS/4NH	134,655.00	52,178.00	8,996.00	15,273.00	16,126.00	17,617.00	792.00
300	6IPS/6NH	152,470.00	67,016.00	10,157.00	17,195.00	16,126.00	21,439.00	907.00
350	6IPS/6NH	163,230.00	79,043.00	11,316.00	19,005.00	16,126.00	25,372.00	1,000.00
400	6IPS/6NH	186,992.00	90,997.00	12,015.00	20,057.00	16,126.00	29,606.00	1,083.00
450	6IPS/6NH	214,758.00	104,006.00	12,718.00	21,436.00	16,126.00	34,528.00	1,139.00
500	6IPS/6NH	237,102.00	111,224.00	13,472.00	22,624.00	16,126.00	39,532.00	1,190.00

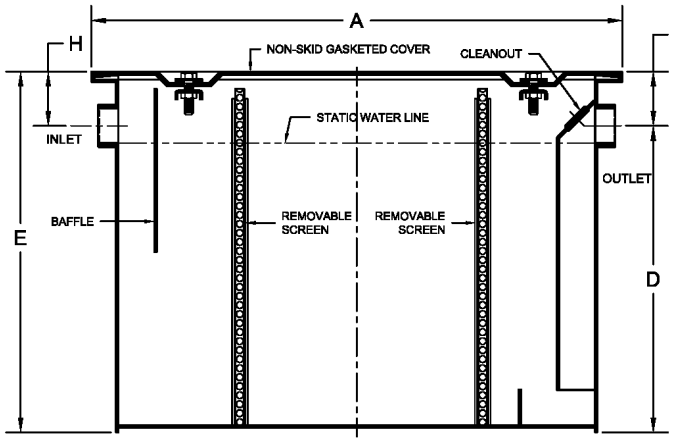
5600 Lint Interceptor

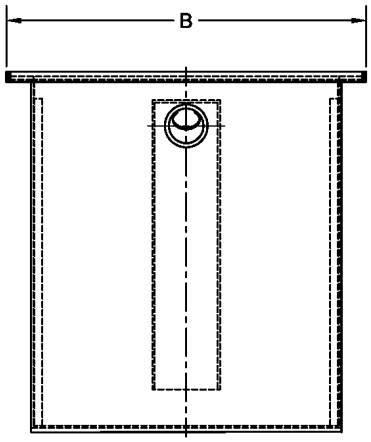






5600-3-2NH





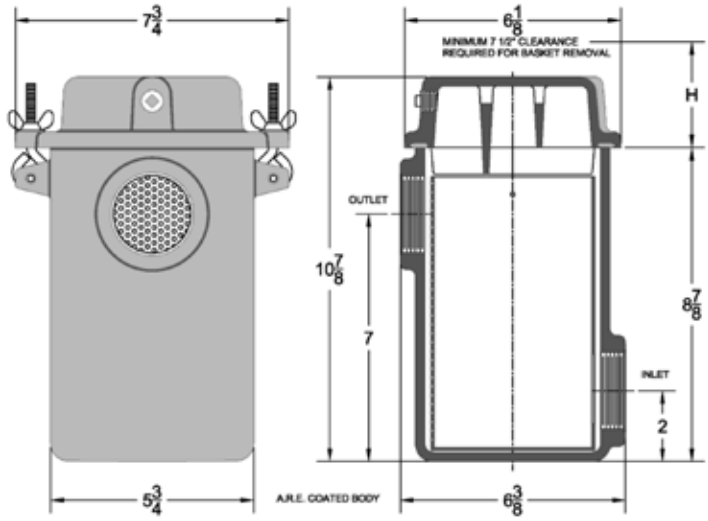
Regularly Furnished: Fabricated A.R.C. steel lint interceptor with removable primary and secondary filters, gasketed cover, stainless steel internal flow control orifice plate, removable cross bars and securing bolts. Primary and Secondary Filters - 3/8" perforations.

Size / No. of Machines	Pipe Size Inlet/Outlet	Regularly Furnished	Flow Rate (GPM)	Liquid Capacity (Gal.)	Dimensions (Inches)					No. of Lids	No. of Bolts	Wt. Lbs.
					A	B	D	H	E			
3	2"	$ 15,803.00	30	40.7	29 1/2	20	17	4	20	1	4	165.0
4	3"	17,628.00	40	48.3	29 1/2	20 1/2	20	4	24	1	4	178.0
8	4"	18,391.00	70	72.7	33 1/2	26	26	4	30	2	8	181.0
10	4"	21,640.00	100	109.7	37 1/2	30	28	4	32	2	8	250.0
15	6"	21,704.00	150	201.7	55 1/2	26	30	6	36	2	8	275.0
20	6"	26,192.00	200	220.0	67 1/2	28	32	8	40	3	12	300.0
30	6"	30,450.00	300	335.2	67 1/2	28	44	10	54	3	12	360.0
40	6"	34,713.00	400	417.0	67 1/2	30	54	12	66	3	12	450.0
50	6"	38,983.00	500	411.7	67 1/2	40	50	10	60	3	12	562.0
75	6"	81,843.00	750	807.5	91 1/2	40	54	8	62	4	16	565.0
100	6"	95,462.00	1000	864.5	98	50	54	12	66	4	16	585.0
150	8"	125,393.00	1500	1612.3	98	50	80	12	92	4	16	635.0

Size / No. of Machines	Pipe Size Outlet Type	Suffix Options (Add)		
		-RS Replacement Screen	XT Extension *	
			Up to 6"	Each 1" over 6"
3	2IPS/2NH	$ 1,111.00	$ 2,706.00	$ 191.00
4	3IPS/3NH	1,145.00	2,706.00	191.00
8	4IPS/4NH	1,551.00	2,706.00	191.00
10	4IPS/4NH	2,225.00	3,775.00	272.00
15	6IPS/6NH	2,484.00	3,775.00	327.00
20	6IPS/6NH	2,828.00	3,775.00	327.00

Size / No. of Machines	Pipe Size Outlet Type	Suffix Options (Add)		
		-RS Replacement Screen	XT Extension *	
			Up to 6"	Each 1" over 6"
30	6IPS/6NH	3,258.00	3,775.00	378.00
40	6IPS/6NH	3,486.00	3,775.00	434.00
50	6IPS/6NH	3,813.00	4,576.00	588.00
75	6IPS/6NH	5,139.00	11,700.00	1,172.00
100	6IPS/6NH	6,422.00	12,869.00	1,763.00
150	8IPS/8NH	6,422.00	14,622.00	2,345.00

5720 Top Access Solid Interceptor



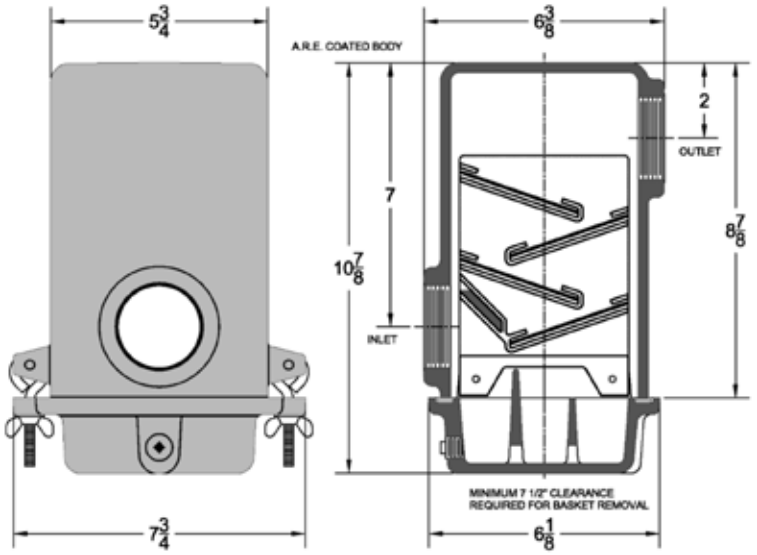


5720-2IPS

Regularly Furnished: A.R.C., cast aluminum top access solids interceptor with gasketed cover & removable sediment bucket.

Inlet / Outlet	Flow Rate (GPM)	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)		
				27 Replacement Basket	123 S/S Mesh Bucket Liner	175 Custom Basket Liner
1-1/2 IPS	15	$ 3,218.00	9.0	$ 785.00	$ 613.00	POA
2 IPS	15	3,218.00	9.0	785.00	613.00	POA

5730 Bottom Access Solid Interceptor



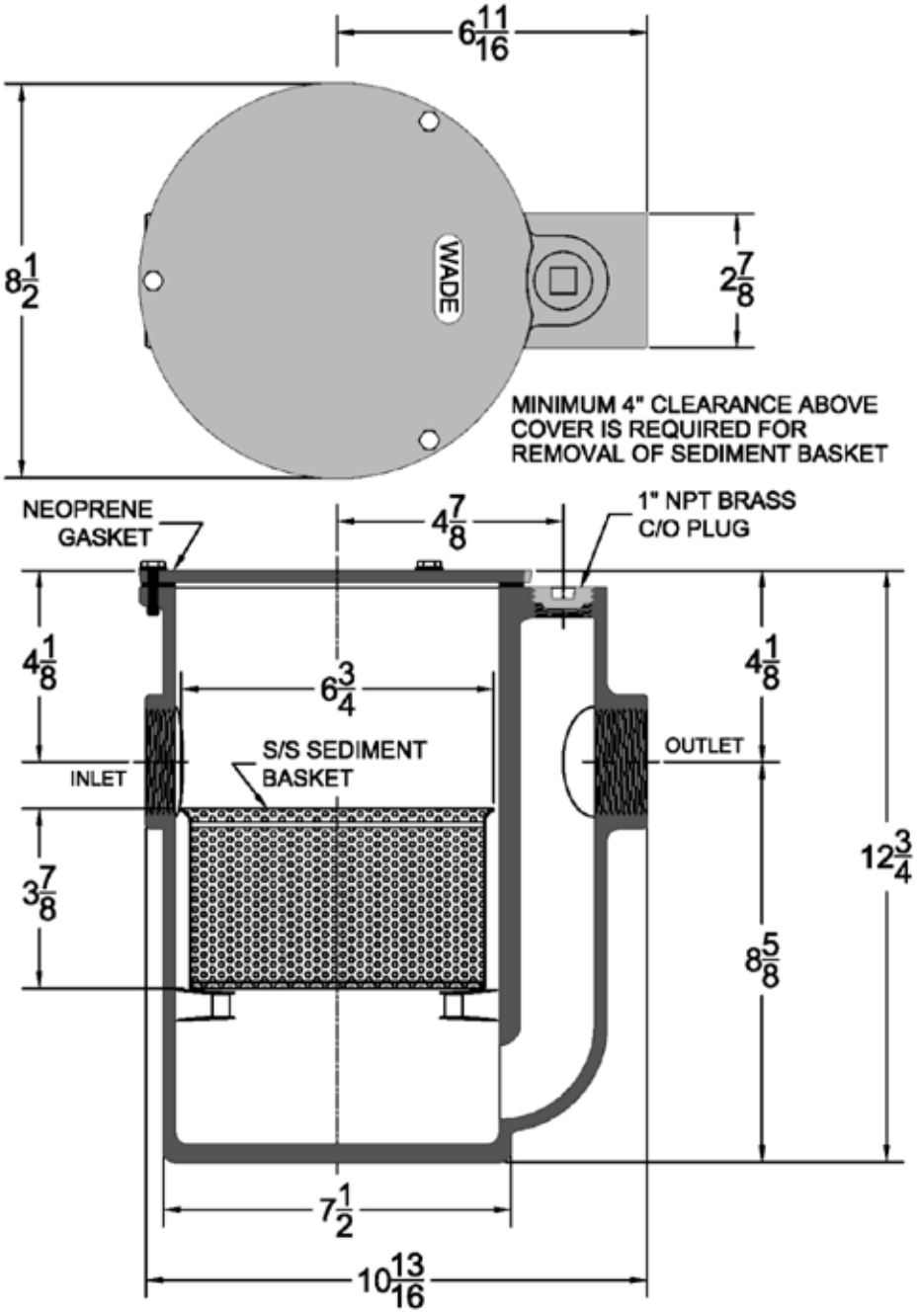


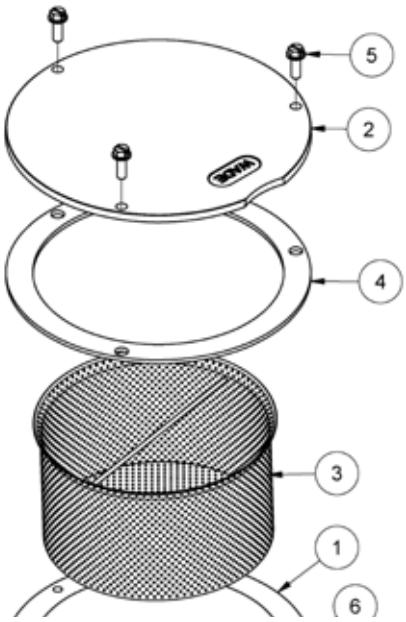
5730-2IPS

Regularly Furnished: A.R.C. cast aluminum bottom access solids interceptor with gasketed cover & removable filter screens with bronze frame.

Inlet / Outlet	Flow Rate (GPM)	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)		
				27 Replacement Basket	123 S/S Mesh Bucket Liner	175 Custom Basket Liner
1-1/2 IPS	15	$ 3,218.00	16.3	$ 785.00	$ 613.00	POA
2 IPS	15	3,218.00	16.3	785.00	613.00	POA

5740 Solids Interceptor



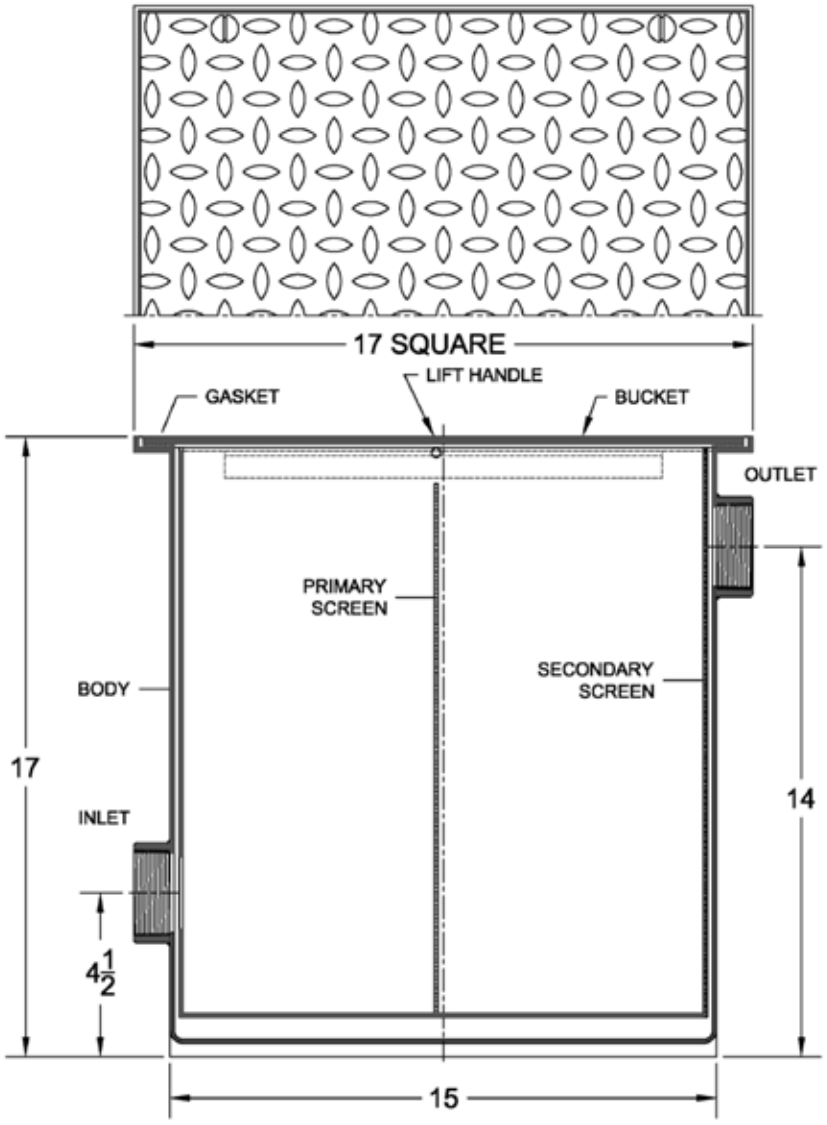


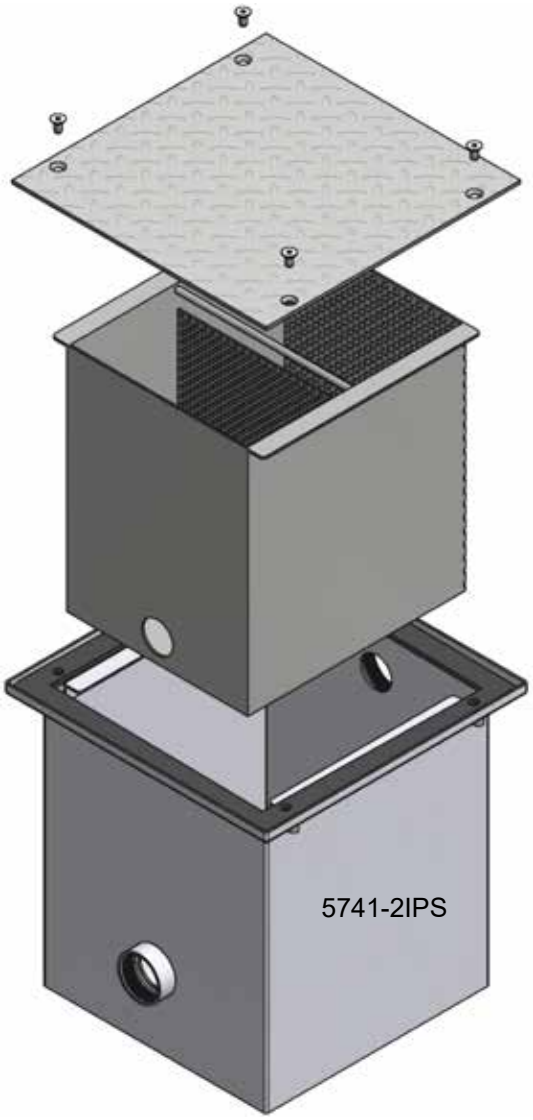
5740-2IPS

Regularly Furnished: A.R.C., cast iron solids interceptor with gasketed cover & removable sediment bucket. 15 GPM.

Inlet / Outlet	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)		
			27 Replacement Basket	123 S/S Mesh Bucket Liner	175 Custom Basket Liner
1-1/2 IPS	$ 3,011.00	41.7	$ 785.00	$ 613.00	POA
2 IPS	3,011.00	41.7	785.00	613.00	POA

5741 Solid Interceptor

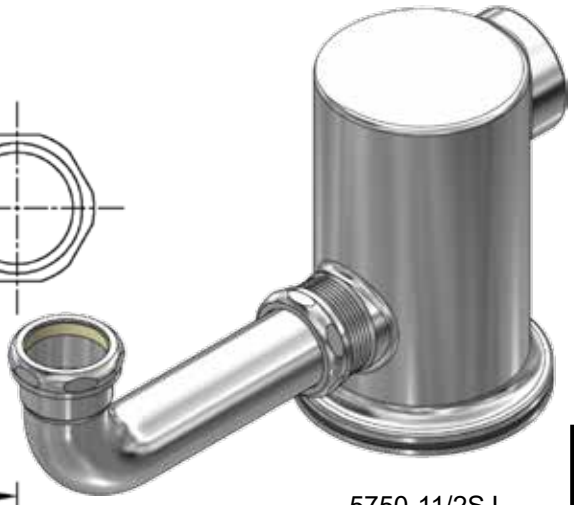




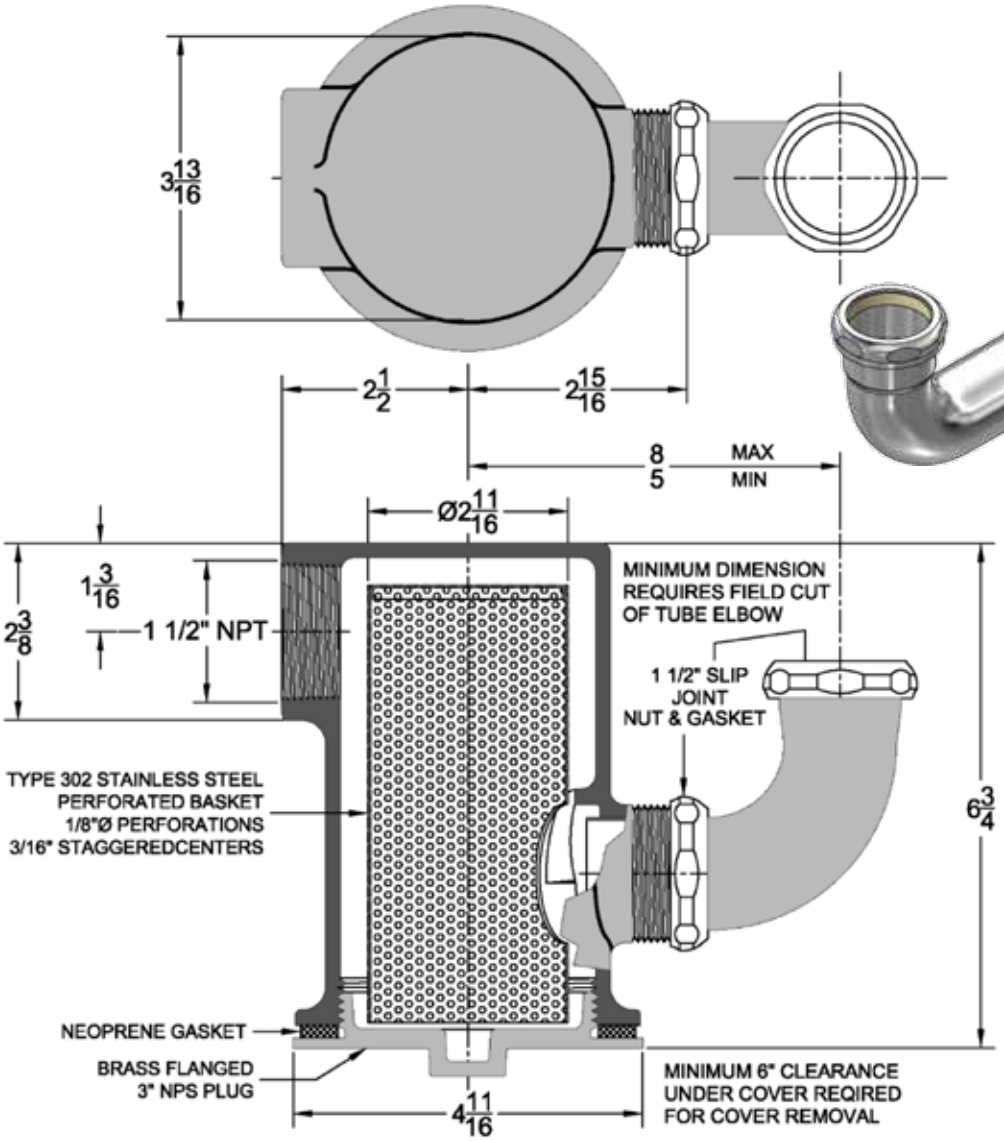
Regularly Furnished: A.R.C., fabricated steel solids interceptor with gasketed cover & removable sediment bucket. 30 GPM.

Inlet / Outlet	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)		
			27 Replacement Basket	123 S/S Mesh Bucket Liner	174 Custom Basket Liner
2 IPS / 2 NH	$ 7,518.00	90.0	$ 3,299.00	$ 1,151.00	POA
3 IPS / 3 NH	7,699.00	16.3	3,469.00	1,319.00	POA

5750 Hair Interceptor



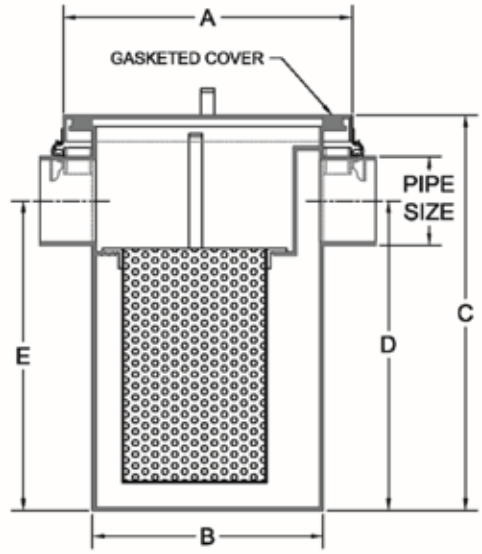
5750-11/2SJ

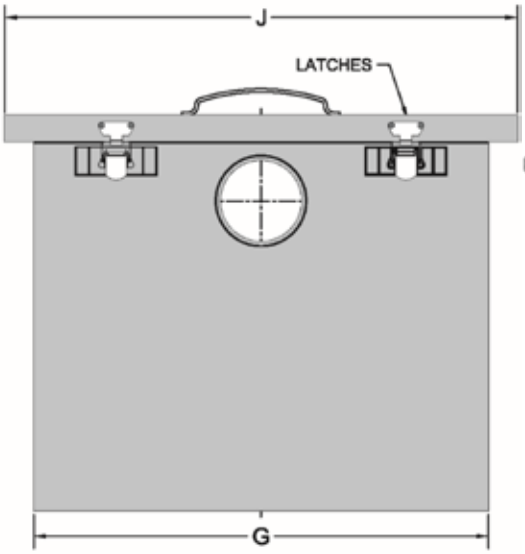


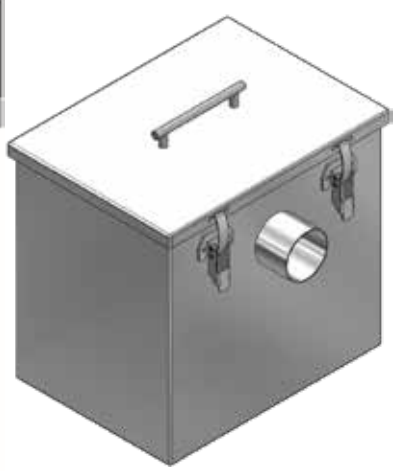
Regularly Furnished: A.R.C. coated cast iron hair interceptor with brass gasketed plug, chrome plated tube elbow & removable stainless steel basket strainer.

Inlet / Outlet	Outlet	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)		
				1 Satin Finish Nickel Bronze Body	27 Replacement Bucket	103 Chrome Plated Bronze Body
1-1/2 SJ	1-1/2 IPS	$ 1,434.00	7.9	$ 2,624.00	$ 410.00	$ 831.00

5760 Solid Interceptor







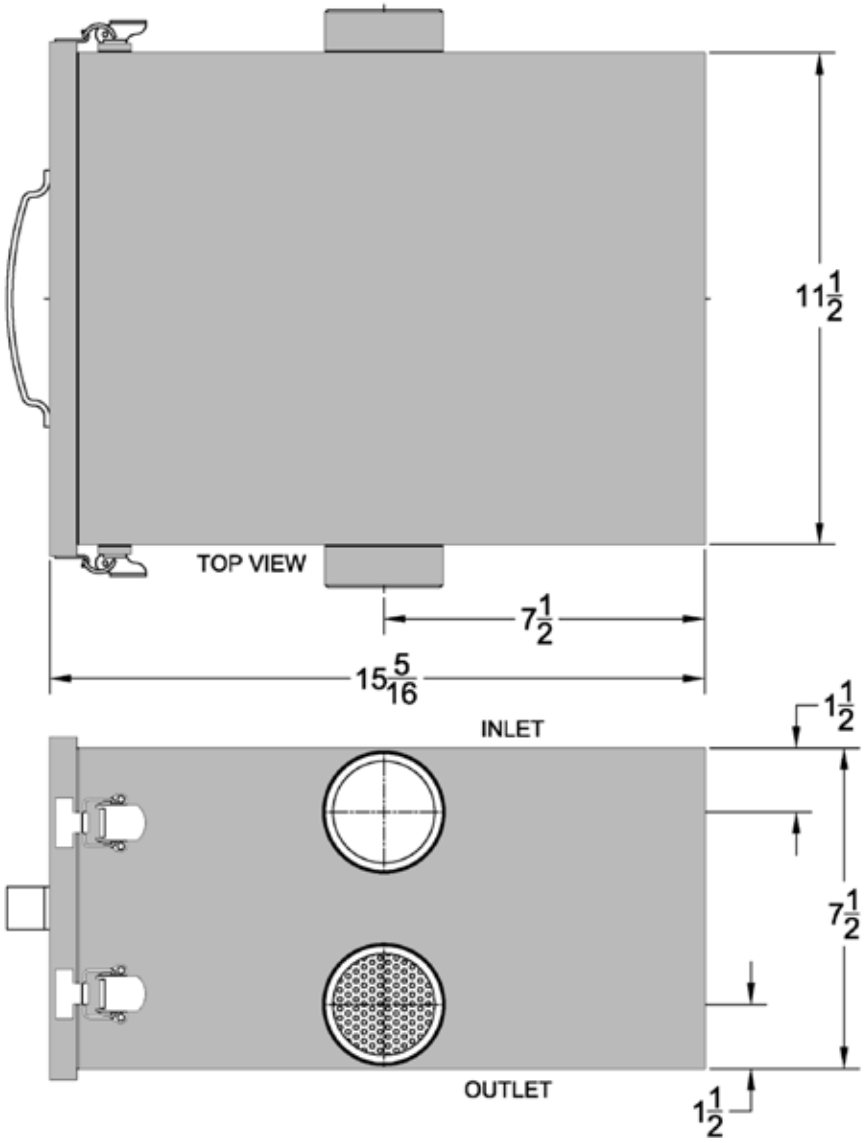
5760-10-2NH-304

Size (GPM)	Pipe Size	A	B	C	D/E	D/E	J	Capacity (Cu. Ft.)	Wt. Lbs.
4	2	11	8-3/4	10-1/2	7	10-1/4	12-1/2	0.12	20.0
7	2	11	8-3/4	13	9-1/2	10-1/4	12-1/2	0.17	24.4
10	2	11	8-3/4	13	9-1/2	12-1/4	14-1/2	0.23	28.0
15	2	11	8-3/4	13	9-1/2	14-1/4	16-1/2	0.38	35.0
20	3	11	8-3/4	13	9-1/2	16	18-1/4	0.30	39.0
25	3	11	8-3/4	18	13-1/2	17-1/4	19-1/2	0.53	48.0
35	4	11	8-3/4	22	17-1/2	17-1/4	19-1/2	0.57	56.5
50	4	11	8-3/4	22	17-1/2	21-1/4	23-1/2	0.88	63.5
75	4	11	8-3/4	30	17-3/4	27-1/4	29-1/2	0.95	66.5
100	4	20-1/4	18	30	17-3/4	27-1/4	29-1/2	2.96	70.9
150	4	20-1/4	18	40	22-1/2	33-1/4	35-1/2	5.70	75.0
200	6	22-/4	20	50	29	33-1/4	35-1/2	5.85	90.0

Size GPM	Regularly Furnished	304 All 304 Stainless Steel	Suffix Options (Add)			
			27 Replacement Basket	XT Integral Extension w/ Flush Non-Skid Cover		174 Customer Basket Liner
				Up to 6"	Each 1" Over 6"	
4	$ 2,946.00	$ 4,577.00	$ 1,351.00	$ 2,925.00	$ 147.00	POA
7	3,018.00	4,861.00	1,403.00	2,996.00	153.00	POA
10	3,173.00	5,235.00	1,549.00	2,996.00	158.00	POA
15	3,489.00	5,901.00	1,734.00	3,460.00	173.00	POA
20	3,775.00	6,415.00	1,874.00	3,460.00	186.00	POA
25	4,191.00	7,465.00	2,177.00	3,460.00	210.00	POA
35	4,528.00	8,366.00	2,432.00	3,460.00	225.00	POA
50	4,951.00	9,425.00	2,734.00	3,460.00	246.00	POA
75	5,468.00	10,560.00	2,892.00	3,460.00	275.00	POA
100	5,925.00	11,445.00	3,471.00	3,471.00	325.00	POA
150	7,108.00	13,737.00	3,471.00	3,471.00	391.00	POA
200	8,529.00	16,479.00	5,000.00	5,000.00	469.00	POA

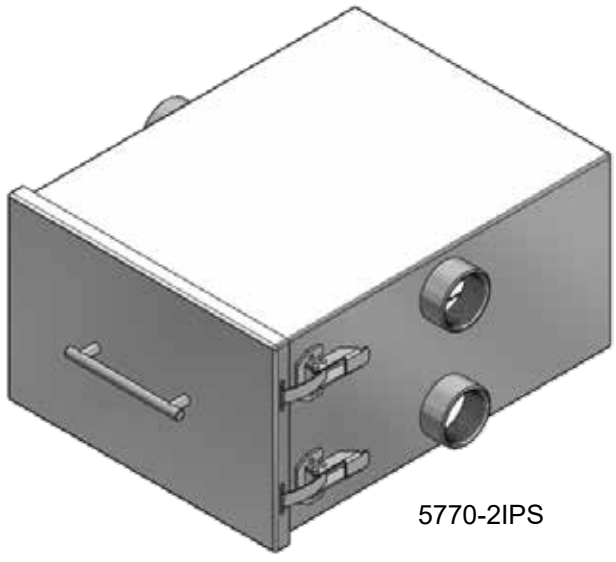
Regularly Furnished: Fabricated A.R.C. steel solids interceptor with removable perforated stainless steel sediment basket, & gasketed cover with lift handle.

5770 Solids Interceptor



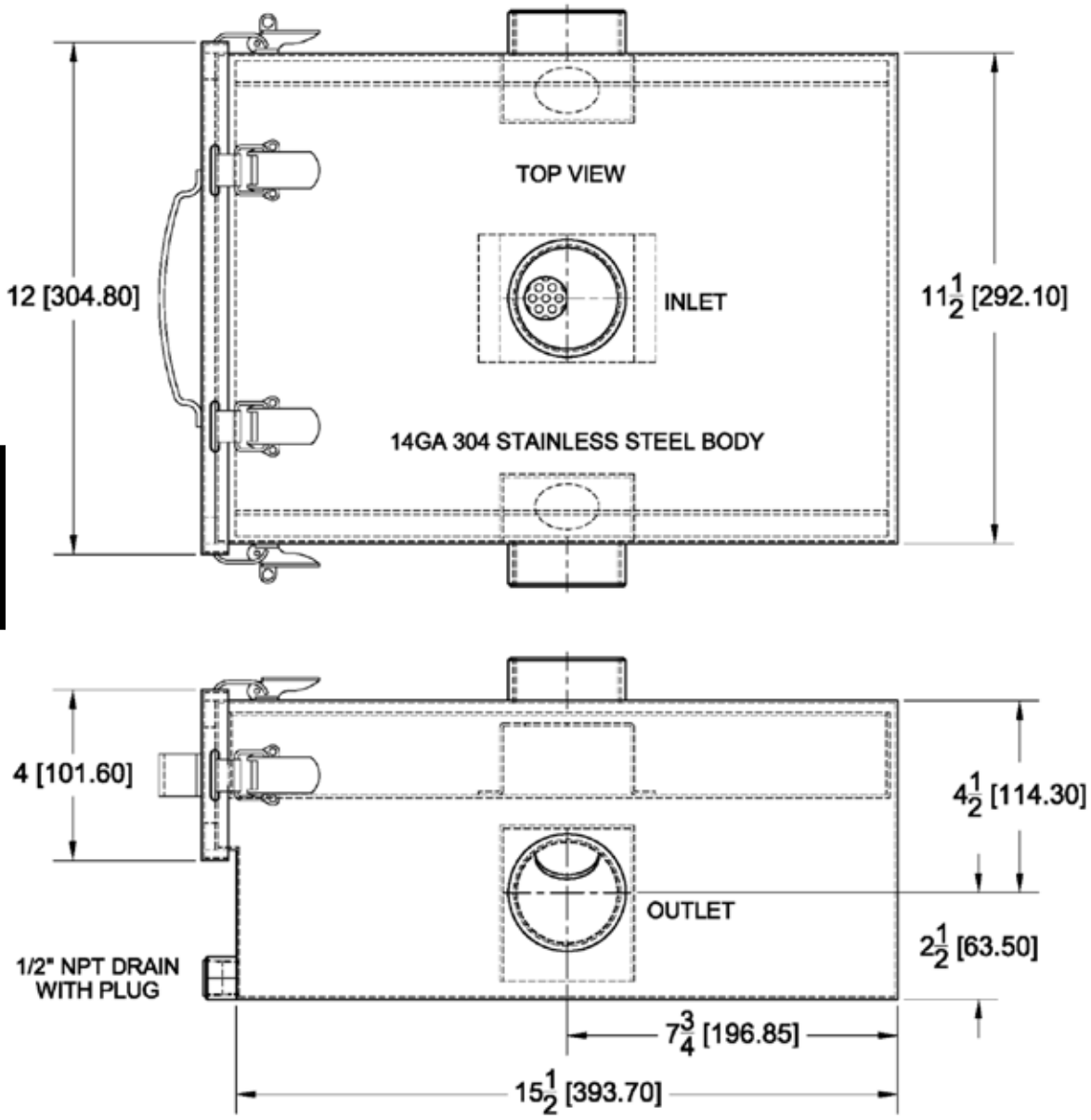
Regularly Furnished: Fabricated stainless steel, side access solids interceptor with removable perforated stainless steel sediment basket, & gasketed cover with lift handle. 35 GPM

Inlet / Outlet	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)
			27 Replacement Bucket
2 IPS	$ 12,482.00	20.0	$ 4,071.00



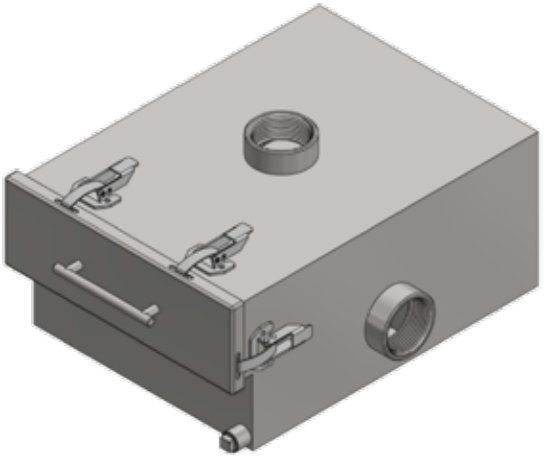
5770-2IPS

5790 Solids Interceptor



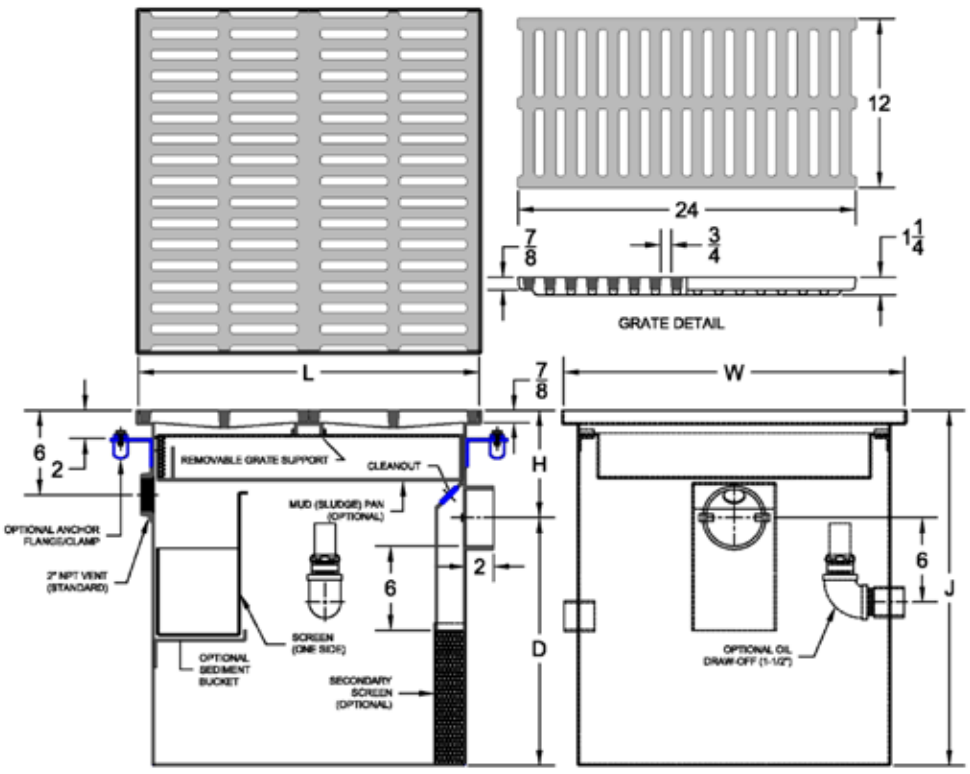
Regularly Furnished: 14 GA Fabricated stainless steel solids interceptor with latched side cover, top inlet, removable basket, side outlets and drain port with plug. Perforations—3/16" diameter staggered centers—51% open area.

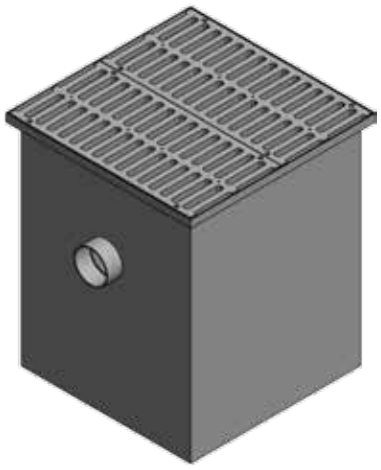
Inlet / Outlet	Regularly Furnished	Wt. Lbs.	Suffix Options (Add)		
			VP Vandal Proof Lid	174 Mesh Lined Bucket	233 Adjustable Mount Brackets
2 IPS	$ 11,305.00	23.0	$ 244.00	$ 1,395.00	$ 851.00



5790-2IPS

5800 Oil / Sediment Interceptor





5800-60-4NH

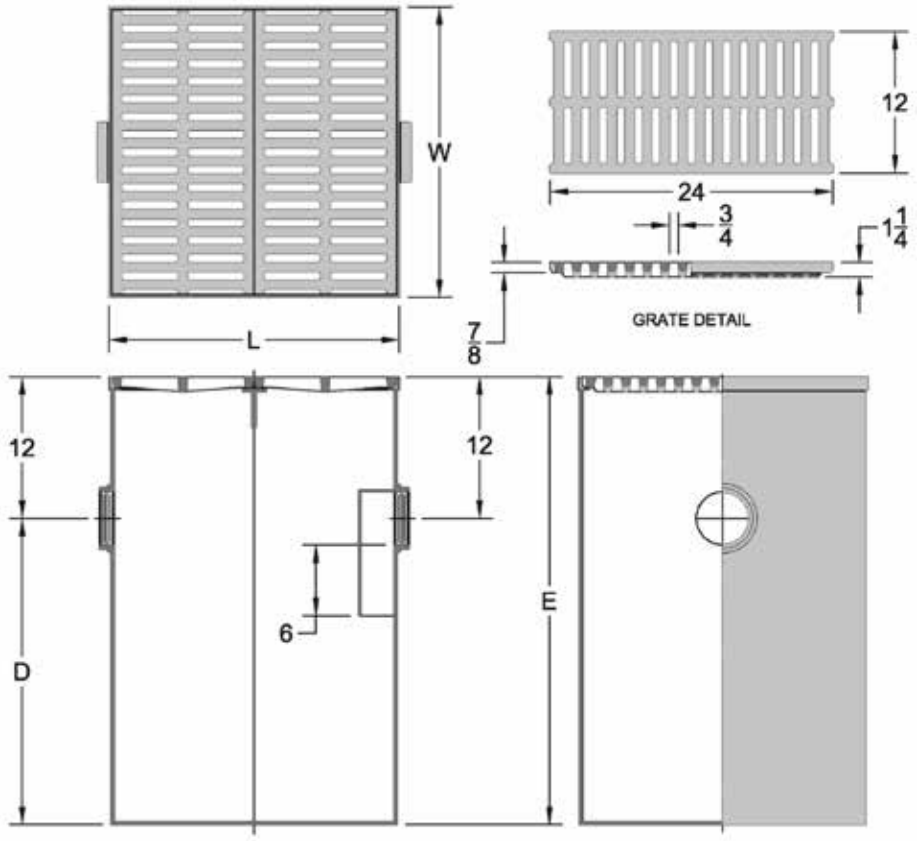
*** Sediment Package includes sediment bucket, mud pan and secondary screen.

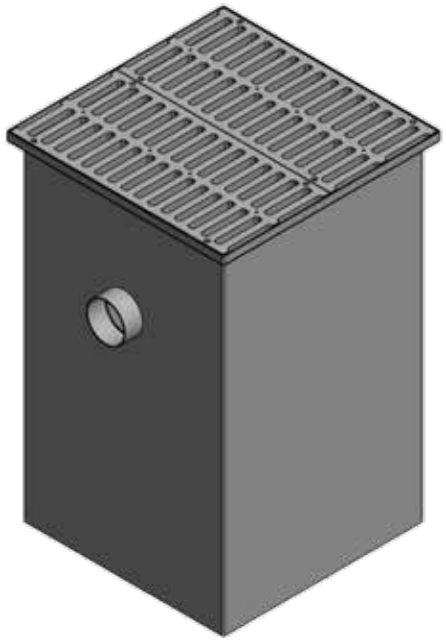
Regularly Furnished: Fabricated A.R.C. steel oil / sediment interceptor with heavy duty grate & integral trap with cleanout.

Sludge Capacity (Lbs.)	Pipe Size	Capacity (Gal.)	Grate Qty	L	W	D	H	J	Wt. Lbs.
4	3	4	1	12-1/2	12-1/2	10-1/2	4-1/2	215	102.0
12	3	9	1	12-1/2	24-1/2	10-1/2	4-1/2	15	140.0
60	4	35	2	24-1/2	24-1/2	18	11	29	300.0
65	4	47	2	24-1/2	24-1/2	24	11	35	395.0
75	4	60	2	24-1/2	24-1/2	30	11	41	410.0
80	4	72	2	24-1/2	24-1/2	36	11	47	425.0
100	4	67	3	36-5/8	24-1/2	22	11	33	445.0
200	4	90	4	48-5/8	24-1/2	22	11	33	560.0
300	4	189	8	48-5/8	48-5/8	22	11	33	650.0

Size	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)								
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamping Device	27 Sediment Bucket	183 Oil Draw off Connection	256 Secondary Screen Trap Guard	271 Sediment Package	XT Extension	
										Up to 10"	Each 1" over 10"
4	3IPS/NH	$ 4,593.00	$ 854.00	$ 1,068.00	$ 1,376.00	$ 392.00	$ 1,191.00	$ 765.00	$ 1,154.00	$ 784.00	$ 122.00
12	3IPS/NH	4,877.00	982.00	1,101.00	1,519.00	413.00	1,191.00	765.00	1,178.00	887.00	137.00
60	4IPS/NH	13,476.00	1,967.00	1,519.00	2,279.00	765.00	1,191.00	1,214.00	1,605.00	1,327.00	202.00
65	4IPS/NH	14,744.00	2,204.00	1,686.00	2,287.00	839.00	1,191.00	839.00	1,682.00	1,340.00	200.00
75	4IPS/NH	15,748.00	2,629.00	1,778.00	2,527.00	835.00	1,191.00	839.00	1,724.00	1,440.00	206.00
80	4IPS/NH	17,588.00	2,932.00	1,858.00	2,662.00	885.00	1,191.00	839.00	1,724.00	1,755.00	239.00
100	4IPS/NH	19,260.00	3,223.00	1,911.00	2,874.00	973.00	1,191.00	839.00	1,811.00	1,756.00	286.00
200	4IPS/NH	28,777.00	4,299.00	2,511.00	3,691.00	1,191.00	1,191.00	839.00	2,030.00	2,639.00	419.00
300	4IPS/NH	37,998.00	5,677.00	3,312.00	4,875.00	1,561.00	1,191.00	839.00	2,402.00	3,485.00	556.00

5810 Oil / Sediment Interceptor





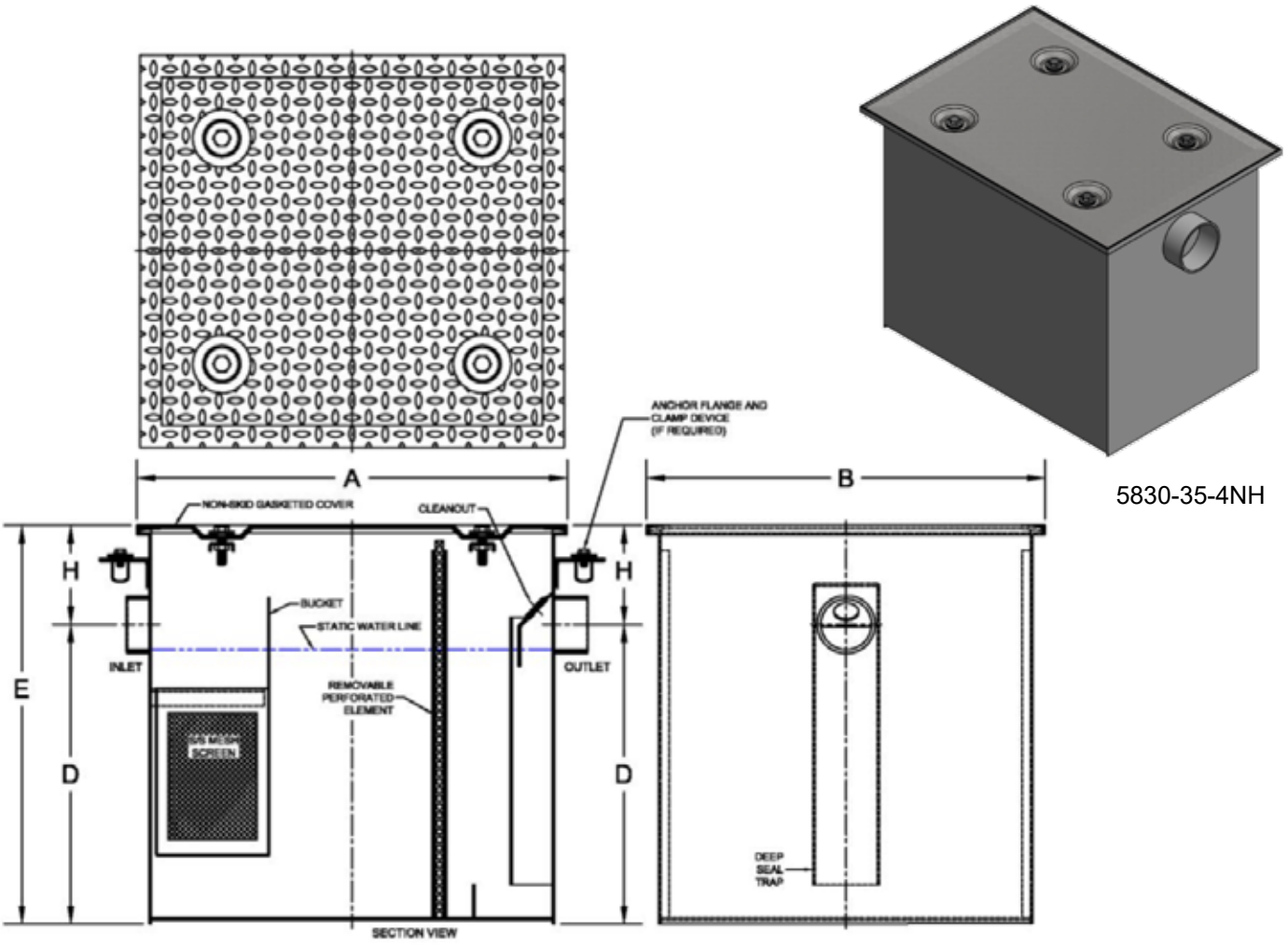
5810-20-4NH

Flow Rate GPM	Pipe Size (Inlet/Outlet)	Liquid Capacity (Gal.)	Dimensions (Inches)				
			L	W	D	E	Wt. Lbs.
20	4	60	24	24	26	38	285.0
50	4	120	48	24	26	38	489.0
150	4	360	48	48	38	50	940.0
250	6	540	72	48	39	51	1410.0
500	6	1200	120	48	51	63	2397.0

Size/GPM	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)					
			HD Heavy Duty Cover	24 Anchor Flange	26 Anchor Flange w/ Clamp Device	VP Vandal Proof	XT Extension	
							Up to 6"	Each 1" Over 6"
20	4IPS/4NH	$ 19,770.00	$ 3,776.00	$ 3,063.00	$ 3,885.00	$ 236.00	$ 1,201.00	$ 214.00
50	4IPS/4NH	33,509.00	7,543.00	3,446.00	4,851.00	236.00	1,866.00	265.00
150	4IPS/4NH	101,289.00	15,091.00	4,197.00	6,748.00	236.00	3,281.00	491.00
250	6IPS/6NH	105,408.00	22,664.00	6,014.00	10,231.00	236.00	5,006.00	630.00
500	6IPS/6NH	141,735.00	37,785.00	8,981.00	15,138.00	236.00	8,503.00	851.00

Regularly Furnished: Fabricated A.R.C. steel sand / sediment interceptor with heavy duty grate.

5830 Hair / Fur Interceptor



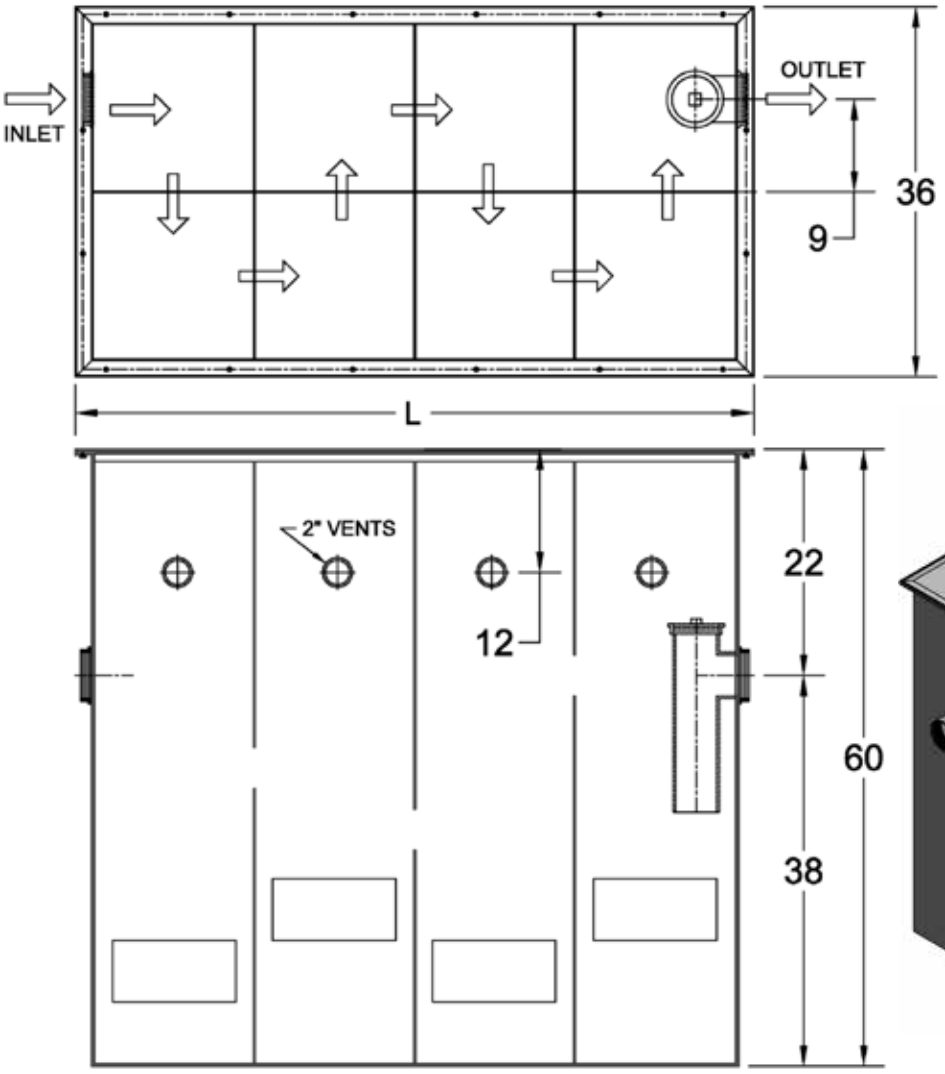
5830-35-4NH

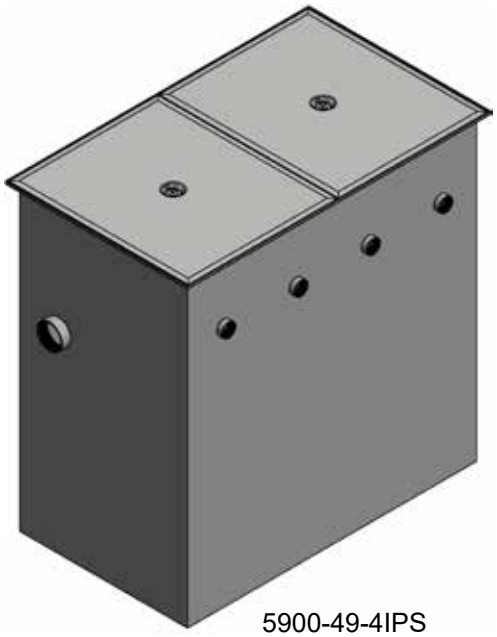
Regularly Furnished: Fabricated A.R.C. steel hair / fur interceptor with removable mesh lined bucket & secondary screen.

Flow Rate GPM	Pipe Size (Inlet/Outlet)	Liquid Capacity (Gal.)	Dimensions (Inches)					
			A	B	D	H	E	Wt. Lbs.
10	3	21.0	20	18	18	6	24	165.0
25	4	37.7	26	24	18	6	24	181.0
35	4	46.7	30	24	18	6	24	250.0
50	4	88.8	40	26	24	6	30	280.0

Size / GPM	Inlet / Outlet	Regularly Furnished	Suffix Options (Add)			
			24 Anchor Flange	26 Anchor Flange w/ Clamping Device	XT Extension	
					Up to 6"	Each 1" over 6"
10	3IPS/3NH	$ 13,448.00	$ 3,057.00	$ 3,874.00	$ 11,281.00	$ 469.00
25	4IPS/4NH	22,687.00	3,255.00	4,102.00	12,100.00	709.00
35	4IPS/4NH	27,118.00	3,388.00	4,247.00	12,558.00	765.00
50	4IPS/4NH	35,867.00	3,436.00	4,838.00	14,970.00	895.00

5900 Sand / Sediment Interceptor





5900-49-4IPS

Regularly Furnished: Fabricated A.R.C. steel sand / sediment interceptor with stationary baffles & 2" threaded vent connections

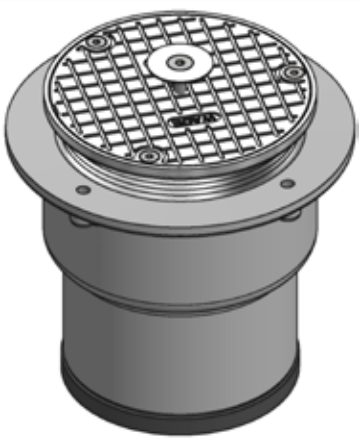
Size Cu. Ft.	Inlet / Outlet	L (Inches)	Wt. Lbs.	Regularly Furnished	Suffix Options (Add)			
					HD Heavy Duty Cover	24 * Anchor Flange	XT Extension *	
							Up to 6"	Each 1" over 6"
49	4IPS/4NH	60	1600.0	$ 60,201.00	$ 2,364.00	$ 2,639.00	$ 1,842.00	$ 286.00
54	4IPS/4NH	72	1750.0	88,797.00	2,967.00	3,017.00	2,263.00	378.00
72	4IPS/4NH	96	2100.0	120,852.00	4,339.00	6,027.00	3,258.00	523.00
81	4IPS/4NH	108	2500.0	123,504.00	4,946.00	6,779.00	3,964.00	616.00
90	4IPS/4NH	120	2700.0	135,074.00	5,376.00	7,532.00	4,520.00	661.00
108	4IPS/4NH	144	3000.0	139,137.00	5,928.00	9,039.00	5,458.00	762.00
135	4IPS/4NH	180	3640.0	165,685.00	11,295.00	11,295.00	6,027.00	902.00

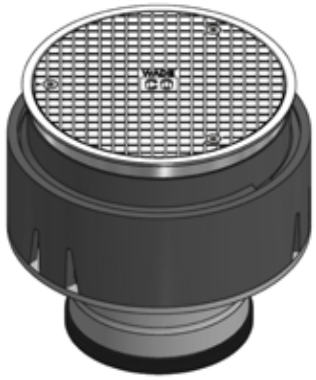
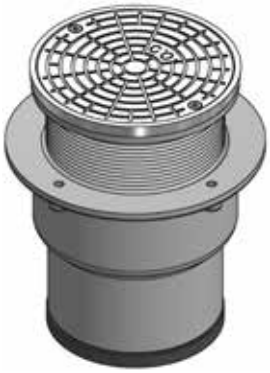
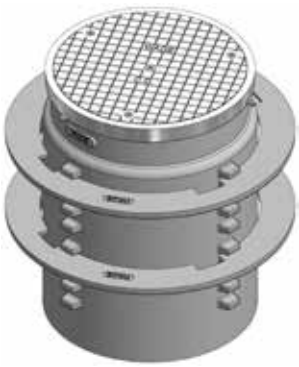
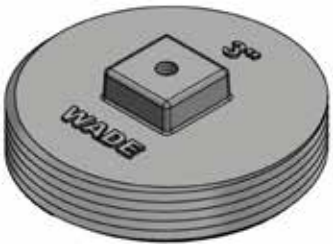
Index	
Application	Product Recommendation
Finished Floor Cleanouts (Adjustable)	6000, 8000
Finished Floor Cleanouts (Non-Adjustable)	8200
Floor Access Covers	8400, 8401
Wall Access Covers & Cleanouts	8300, 8301, 8302, 8303, 8304
Traffic Area Cleanouts	6000, 8000, 8200, 8400, 8401
Unfinished Area Cleanouts	8550, 8560, 8590

How To Specify

8000-12-4TY-CM

- Series Number (Required)
- Finish & Materials (Required)
- Connection Type & Size (Required)
- Miscellaneous Options (As Needed)



6000	8000	8200
 Adjustable Floor Cleanout	 Adjustable Floor Cleanout	 Non-Adjustable Floor Cleanout
8303	**8304**	**8400**
 Secured Square Access Panel	 Round Smooth Access Cover	 Floor Access Housing
8401	**8550**	**8560**
 Heavy Duty Access Housing	 Cleanout Ferrule w/ Plug	 Cleanout Tee w/ Plug
8590		
 Cleanout Plugs		

Top Recommendations: Standard round scoriated tops may be used in most applications listed below. The special tops listed below are readily available if desired. If other materials not listed are desired, contact your local representative for details.

Floor Materials with Recommended Cleanout Tops							
Floor or Area Finish	Basement	Utility Areas (Upper Floors)	Halls & Corridors (Schools & Hospitals)	Kitchen & Dining Areas	Shower & Toilet Areas	Factory Areas	Outside Areas
Marble		S	XS	XS	S		
Carpeted			CM or CF				
Ceramic Tile	S or US	S or US	XS	XS or 85	S or US		
Quarry Tile	S or US	S or US	XS	XS or 85	S or US		
Vinyl Tile	T or TS	T or TS	XT	XT	T or TS		
Vinyl Sheet	RF	RF	RF	RF	RF		
Stained Concrete	12	12	1 or 12	1	1		
Poured or Troweled Synthetic	E or DT	E or DT	E or DT	E or DT	E or DT		
Terrazzo	U or US	U or US	U or US	U or US	U or US		
Finished Concrete (Medium Duty)	12	12	12	12	12	12	12
Finished Concrete (Heavy Duty)	12	12	12	12	12	12	12
Paved Areas						12	12

Selection of Top (Based on Anticipated Traffic)

Load Classification: The maximum anticipated traffic (loading) which will pass over the cover. Select the top type which will support that load. Each cleanout shown in the section has a description listing the type of load it will take. The categories listed are for various top in respect to grate loading. The load classifications are in accordance with the American National Standards ASME A112.36.2M. ASME Ratings are as follows in Table 1:

Table 1

Load Classification ASME A112.6.1M	Safe Live Load
Light Duty	Under 2,000 Lb
Medium Duty	2,000 - 4,999 Lb
Heavy Duty	5,000 – 7,499 Lb
Extra Heavy Duty	7,500 – 10,000 Lb
Special Duty	Over 10,000 Lb

Test Procedures for Cover Loading

Live Loads listed in Table 1 are determined by laboratory test. A 3.5" diameter platen is applied to the center of the cover and a load is applied slowly so that a point of failure can be observed. The point of failure depends upon the material . Brittle materials (cast iron) are determined by fracture on any part of the specimen. Ductile materials are determined by a permanent set in deflection at the point of loading. The point of failure is the point of 2% of the longest traverse dimension of the specimen. The maximum safe live load is computing the load at failure by two.

Minimum Cleanout Requirements (National Plumbing Code Excerpts)

Location: Cleanouts shall not be more than 50 feet apart in horizontal drainage lines of four inch nominal diameter or less, and not more than 100 feet apart in larger diameters. Cleanouts should be installed at each change of direction in the building drain greater than 45 degrees. A cleanout should be provided at the base of each vertical waste stack. For buildings with a floor slab at grade, or with less than 18 inches of crawl space, the building drain should extended to the outside of the building and terminated with an accessible cleanout downstream of the vertical stack no more than 5 feet outside the building wall.

Underground Drainage: Cleanouts when installed on an underground drain, should extend to or above the finished grade level .

Concealed piping: Cleanouts on concealed piping should be extended through and terminate flush with the finished floor or wall.

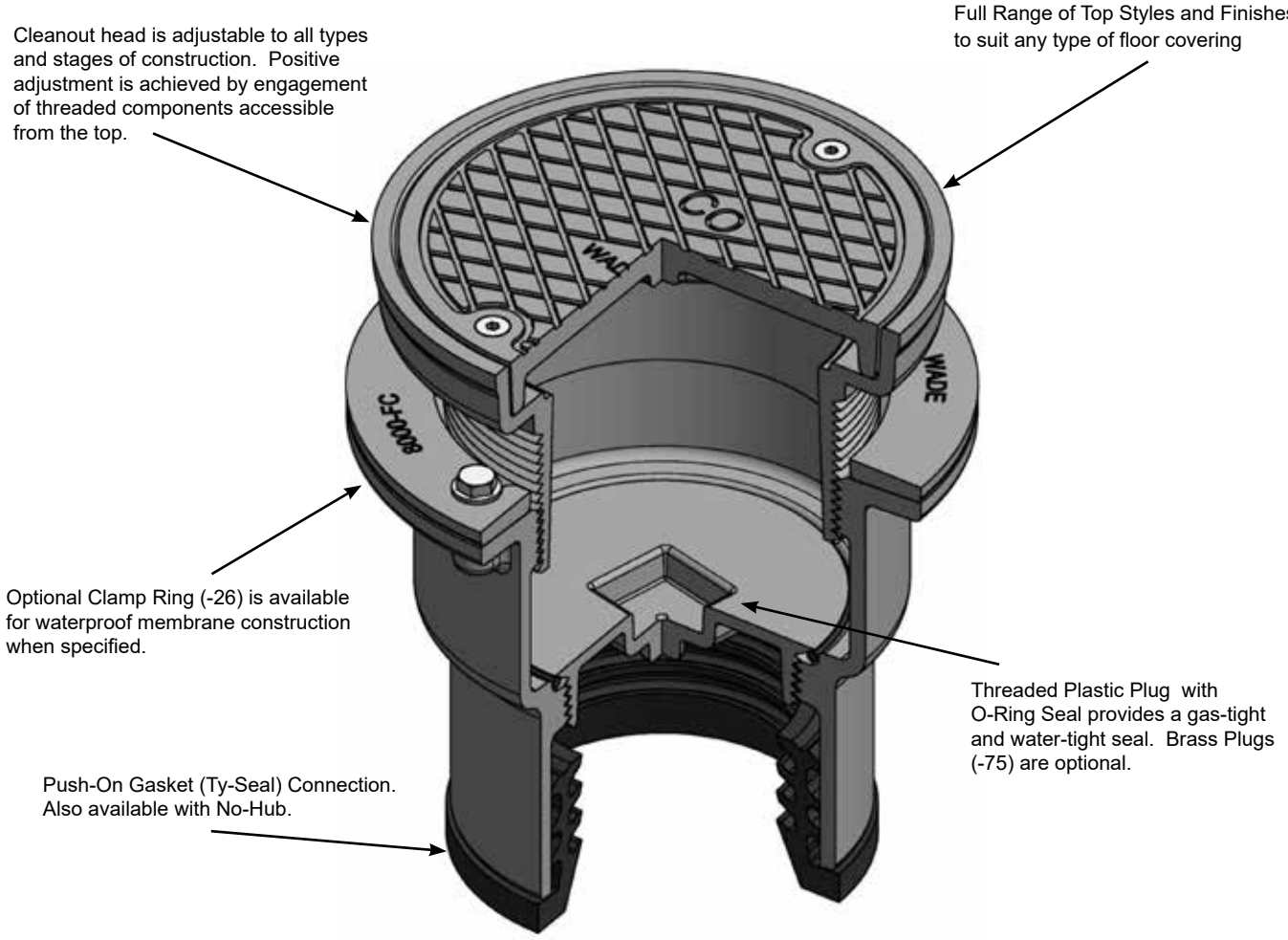
Size of cleanouts: Cleanouts should be the same nominal size as the pipe, up to four inches, and not less than 4 inches for larger pipes. For underground piping over 10 inches, manholes should be provided at each 90 degree change in direction, and at intervals of not more than 150 feet.

Cleanout clearances: Cleanouts on 3 inch or larger pipe should be installed so that there is a clearance of not less than 18 inches for the purpose of rodding. Cleanouts smaller than 3 inches should be provided with 12 inches of clearance. Cement, plaster or any other permanent finishing material must not be placed over a cleanout. If it is necessary to conceal a cleanout access, a cover plate or access door must be installed to permit easy access to the plug.

Above excerpts cover only the minimum requirements. The installer should consult the appropriate plumbing codes for complete requirements.

GENERAL PRODUCT INFORMATION

8000-12 (Adjustable Floor Cleanout)



Cleanout Installation Suggestions

Unfinished floor areas: Floor cleanouts should have a non-skid (scoriated) cover sufficiently strong for the anticipated traffic. Most unfinished areas are provided with a ductile iron cover. In parking areas utilizing asphalt paving, it is recommended that a reinforced concrete pad be provided of sufficient thickness to accommodate the traffic loads so that the load is not transferred to the piping below.

Finished floor areas: Consideration should be given the to type and pattern of the finished floor areas. Round covers are suitable for poured floors, terrazzo or stained concrete. Non-ferrous scoriated covers and frames of bronze, nickel bronze or stainless steel should be used for a finished appearance. Square frames and covers may be desired for tiled areas.

Waterproofed floors: Cleanouts with a flashing clamp should be used in floors above finished areas to prevent water seepage around the cleanout and eventual damage to ceilings and the rooms below.

Finished walls: Cleanouts concealed in the finished wall should have an access cover and frame installed in the finished wall. The cover should be smooth and of ample size to provide clear access to the cleanout. Non-ferrous materials such as bronze, nickel bronze or stainless steel are recommended for interior areas.

Vandalism: Cleanouts and access covers should be secured with vandal resistant screws when they are easily accessible and apt to be removed. High security areas require fasteners which require special tools for removal. Hinged covers with key operated locks are recommended for wall access where maintenance is routinely required or an extra measure of security is desired.

Selection of Top Material

(Unfinished Areas)
Cleanouts located in heavy traffic areas should be specified with heavy duty ductile iron covers. In areas where shock loads are anticipated, ductile iron covers are more desirable in lieu of cast iron. Cast ductile iron is acceptable for most unfinished areas such as warehouses, loading docks, boiler rooms and similar areas.

(Finished Areas)
Most cleanouts are available with nickel bronze, bronze or stainless steel tops to match the surrounding trim in finished areas. Usually finished areas require light duty or medium duty tops.

(Finished Areas with Increased Load)
Many finished floor areas are subject to increased loadings. Examples are convention centers, equipment showrooms and industrial plants. Heavy duty cast iron tractor covers can be specified with bronze or nickel bronze veneered tops.

Shape - The first step is to select a top which is compatible with the surrounding area. The exposed tops of floor-level cleanouts are considered as pieces of architectural trim. All Wade tops are carefully engineered for easy, fast and safe cover removal for quick access to the closure plug. Cleanout tops should be of the correct shape to blend with the surrounding floor and wall area. A round top (Figure 1) is easiest to orient in most floors since it will not conflict with most floor designs or require alignment to adjacent walls. The square nickel bronze top (Figure 2) is particularly adaptable to floors that are finished with materials of a square or straight line pattern. A standard secured nickel bronze scoriated top (Figure 1 or Figure 2) is recommended for most finished floor areas. Nickel bronze non-skid tops blend with most finished floors.

Figure 1
(-1) Round Scoriated Top

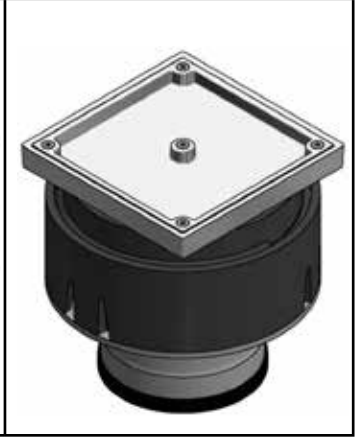


Figure 2
(-S) Square Scoriated Top



Cleanout Installation Suggestions

Recessed Covers - In floors where a minimum amount of of metal showing is desired, cleanout tops are available with a recess to receive the floor material. Tops with a shallow recess (1/8") receive vinyl sheet or tile which is glued into the recess (Figure 2 or 3). A deeper recess design (3/8") is available for terrazzo or ceramic tile (Figures 4 or 5). Both are available in round or square.

Figure 2 (-TR)	Figure 3 (-TS)	Figure 4 (-UR)	Figure 5 (-US)
			

Vehicular Traffic - In areas subjected to vehicular traffic, non-tilt tractor style covers are preferred. The tractor cover incorporates a skirt extending down on the perimeter of the cover. The deep skirt or lugs in some cases catch the side of the frame when a vehicle rools over the top and keeps it seated. (Figure 6).

Heavy Traffic Areas - Most floors are considered finished floors and nickel bronze tops are recommended; however, there are some areas such as boiler rooms, warehouses and heavy manufacturing areas which may use heavy duty, cast iron tops. In these areas, strength and utility are of prime importance and appearance is a secondary consideration.

For unfinished floors, subject to heavy vehicular traffic, round, heavy duty ductile iron tops should be specified (Figure 7). The Wade special duty design has non-tilt tractor-type covers. The tractor-type cover cannot be tilted out of the cleanout top due to heavy vehicular traffic moving over it. For finished floors, where heavy traffic is anticipated, such as equipment showrooms, convention areas, etc., Wade offers heavy duty ductile iron covers with nickel bronze veneers (Figure 8).



Figure 6
(-12) D.I. Scoriated Top



Figure 7
(-12) DI Scoriated Top



Figure 8
(-12) DI/NB Scoriated Top

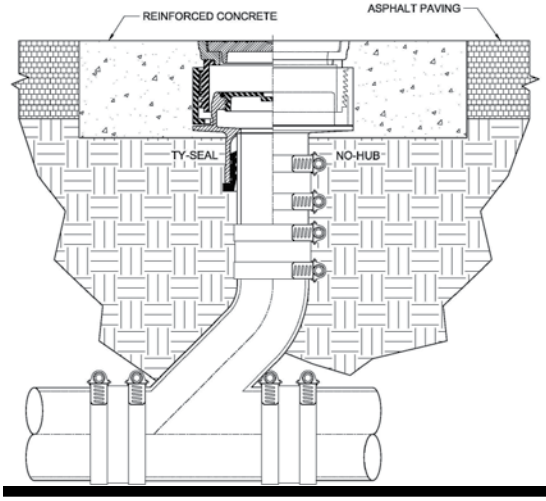


Figure 9
Installtion In Paved Area

Asphalt Paved Areas - These applications require special consideration. The top specified must be strong enough to safely carry the loads of anticipated traffic. Also, provision must be made for adequate support. Wade recommends the cleanout be installed into a reinforced concrete pad of sufficient thickness for the anticipated wheel load (Figure 9). The pad must extend from the center of the cleanout a minimum of 12". This method is to keep weight from transferring to the connected piping. Wade cleanouts 6000-12, 8000-12, 8200-12 or 8401 are the preferred choice.

Elastomeric Floor Areas

The Suffix “E” (Figure 10) designates a wide flange that can be furnished on certain Wade floor cleanouts. This flange receives the membranes and coatings of a waterproof floor covering system.

These coverings are thin coatings which are installed in a series of trowel coats. The covering forms its own membrane, flashing and durable traffic surface. The wide flange is regularly furnished 4" wide. The usual covering is approximately 3/16" thick and may be applied over a subsurface such as concrete, gypsum or wood decks. This type of covering is particularly adaptable to flat roofs which are used for recreational purposes, balconies, area ways, plazas, sun decks, floors and corridors.

When a “E” flange is required on cleanouts other than those shown in the catalog, the Suffix “E” must be used with the model number. The flange will be 4" wide (minimum) with a 3/16" lip regularly furnished. If the waterproof deck covering is greater or less than 3/16", the lip dimension must be specified or the drain has to be set at the proper elevation by the plumbing contractor to compensate for these differences. Roughing dimensions of the body must be adjusted accordingly.



Figure 10
(-E) Wide Elastomeric Flange

Adjustable Tops

The Wade 6000 (Figure 11) & 8000 (Figure 12) Series floor cleanouts are available with over 40 different adjustable tops.

The housings have a either a NPSM threaded shank which threads into a ferrule or a two piece plastic threaded snap-on housing.

These types of cleanouts are particularly adaptable to two-pour construction, such as toilet rooms, shower rooms, locker rooms and other light duty finished areas. The top is easily adjusted when tile floor is being set.

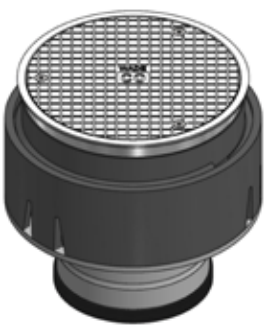


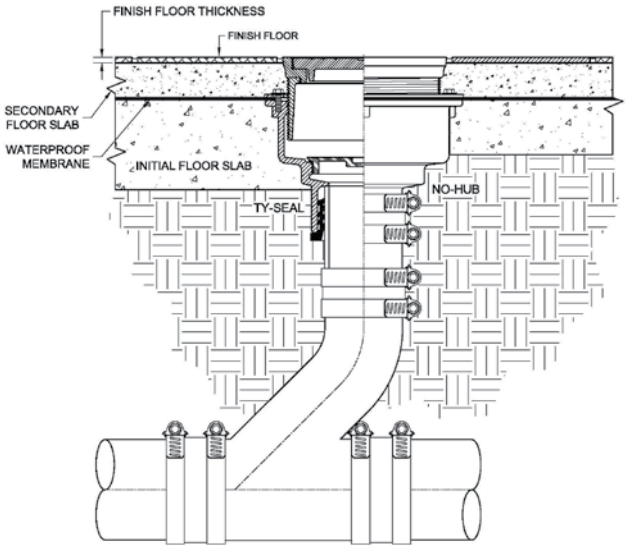
Figure 11



Figure 12

Clamp Devices

For two pour membrane style construction, a clamping ring (Figure 14) can be provided to secure the membrane to the ferrule.



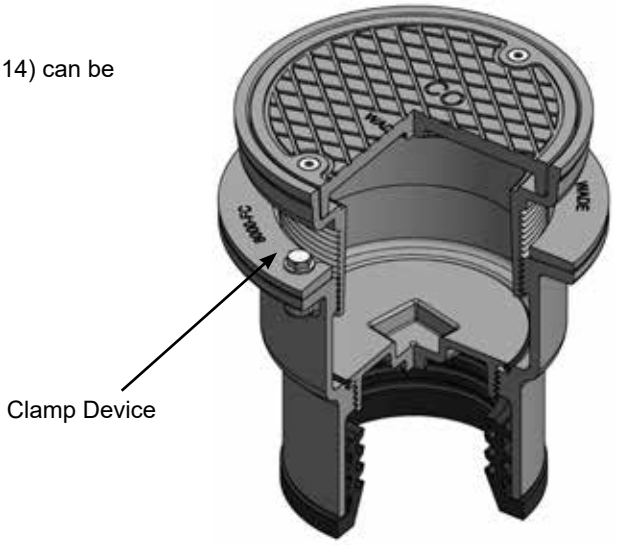


Figure 13

Carpeted Areas

Cleanouts in areas requiring carpet floors require special consideration. Wade offers two styles of floor cleanouts for these unique situations:

Suffix -CF Carpet Flange (Figure 14).

The adjustable cleanout assembly is installed with the cast iron frame flush with concrete slab. Carpet is cut to fit around cleanout frame. Carpet is clamped against slab with “Carpet Clamping Flange.” Cover is then installed.



Figure 14

Suffix -CM Carpet Marker (Figure 15)

Used with 6000 and 8000 series cleanouts, a 1 1/4" diameter marker serves as cleanout locator in carpeted floors.

When access to drain line is required, carpet over the cleanout is cut for accessibility to closure plug. After drain line is cleaned, carpet is replaced and marker reinstalled.



Figure 15

ADJUST TO FINISH FLOOR CLEANOUT
8010 (Figure 16) The Double Adjust

Designed to eliminate a common problem associated with adjustable cleanouts; tops recessed below finished floors after installation.

Often, during the concrete pour, the cleanout is adjusted to the level of the concrete, without allowance for the finish floor thickness. Thicker finish floor surfaces when applied, leave the top of the cleanout recessed which is unsightly and potentially unsafe, as they can create a tripping hazard.

The double adjust allows for an easy post pour adjustment, bringing the top surface of the cleanout level with the finish floor. Available with either cast iron or high strength reinforced nylon shanks, the top is engineered to withstand the loads encountered in construction. An integral plastic cap offers protection during construction. It is simply removed after construction.



Figure 16

Connections

The means by which a cleanout becomes an integral part of the drainage system should be considered so that proper outlets compatible to the connected piping material are used. There are several basic outlet connections to consider and each is dependent upon the piping material, contractor preference and occasionally, the plumbing code requirements. Wade offers several basic connection types as well as various special connections as required.

NO-HUB (Hubless) (Figure 16)
The cleanout outlet is a shortened spigot for direct connection to hubless soil pipe of size and dimension conforming to CISPI specification 301. This connection uses the very popular No-Hub coupling consisting of a neoprene sealing sleeve surrounded by a corrugated stainless steel shield with multiple band clamps.

Ty-Seal (Push-On) (Figure 17)
Wade Ty-Seal gaskets are available for use with cast iron, plastic, steel or glass pipe. Installation of your floor cleanouts using Ty-Seal Push-On can represent a significant reduction in time and labor costs over conventional caulk or NO-HUB installations.

Ty-Seal Push-On cleanouts are available on most bottom outlet models by specifying (TY) and piping material used. Ty-Seal outlets accommodate cast iron SV or No-Hub Pipe as well as Schedule 40 steel and PVC Pipe in 2", 3" and 4" sizes. If 6" Schedule 40 steel or PVC is specified, a special gasket, suffix (TX) is required. The Ty-Seal joint consists of a hub outlet body and a factory inserted neoprene gasket. The installer simply lubricates the plain end of the spigot and the inside of the gasket, then pushes the body down over the pipe until contact is made with the internal stop of the hub. The installation eliminates the need for hot lead, caulking irons, NO-HUB clamps, etc.

Inside Caulk (Figure 18)
One of the oldest connection methods available, inside caulk relies on lead and oakum to seal. The pipe inserts into a hub on the bottom of the drain body with the annular space between the body and pipe allowing the “caulking” from above. Care must be taken to insure the pipe outside diameter is compatible to the caulk hub. Inside caulk may be used for a variety of pipe materials and sizes but is specifically designed for cast iron hubless or hub and spigot soil pipe.

Caulk Support Straps (By Others)
A caulk support strap eliminates the need for supports for the drain during the caulking operation. Its unique design allows it to be used on 2, 3 or 4" service weight or extra heavy pipe. The installer secures the strap in place, then rests the inside caulk outlet drain on the caulk support strap. The strap supports the drain body weight and the force created by the caulking operation without slipping.

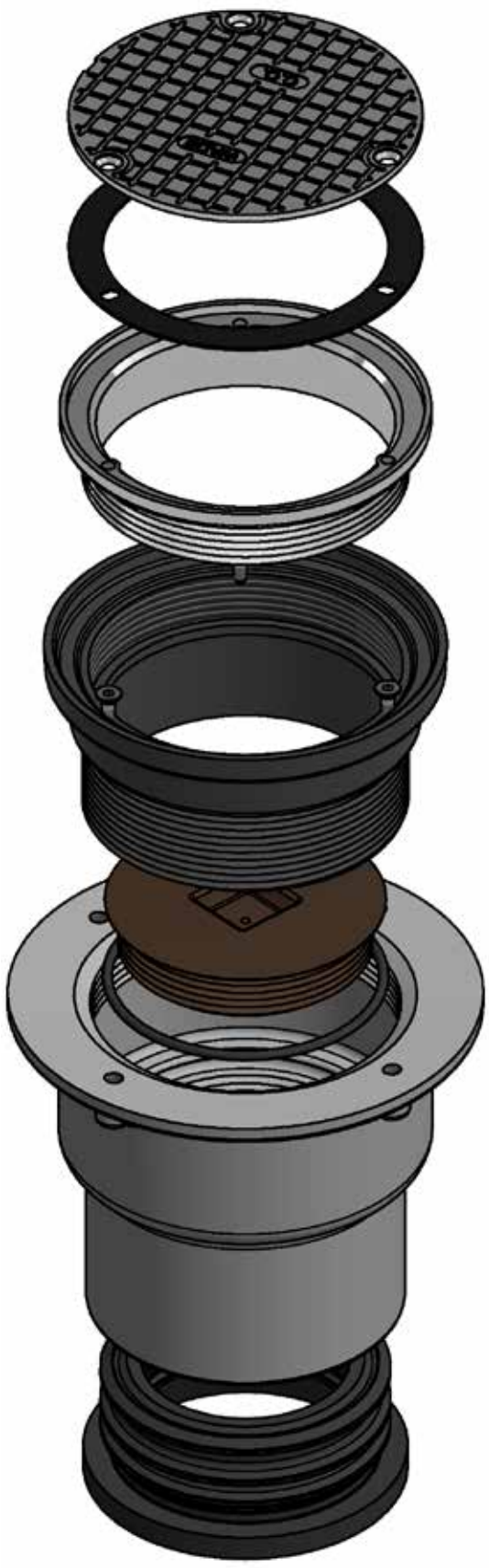
To eliminate the higher cost and environmentally evasive effects of lead and oakum, donut gaskets are available from various sources. The inside surface of the gasket is lubricated, pressed in place down over the pipe and lightly tapped until flush with the top of the pipe. Installation is fast and simple and the caulk support strap may be left in place or reused.

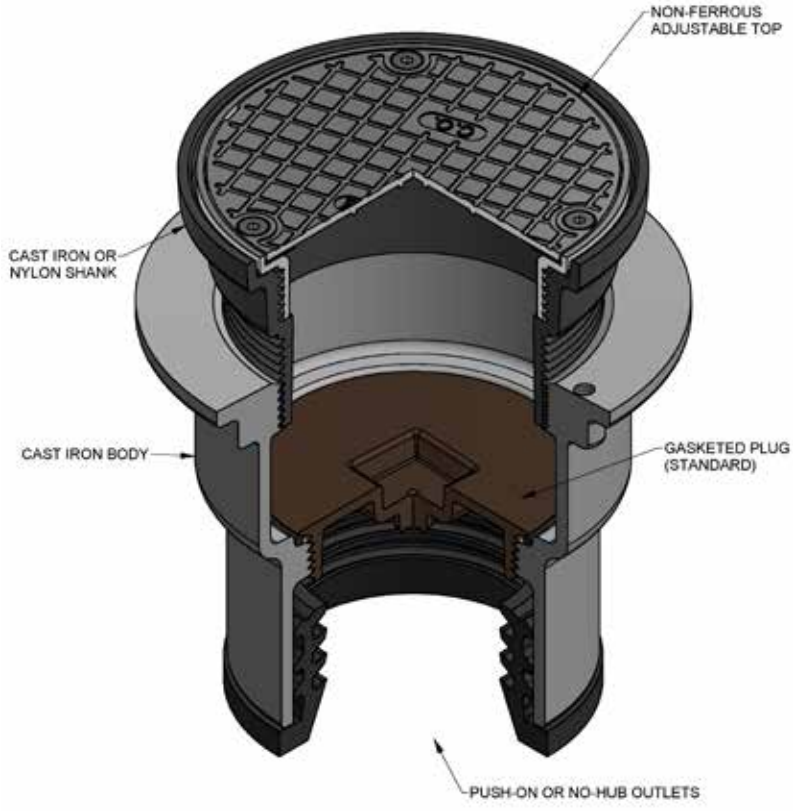
Threaded
A female NPT threaded connection is available on many Wade cleanouts and accommodates many IPS piping materials including steel, stainless steel, plastic and cast iron. It will also accept male threaded adapters

ADJUST TO FINISH FLOOR CLEANOUT
The Double Adjust

Designed to eliminate a common problem associated with adjustable cleanouts; tops recessed below finished floors after installation. Often, during the concrete pour the cleanout is adjusted to the level of the concrete, without allowance for the finish floor thickness. Thicker finish floor surfaces when applied, leave the top of the cleanout recessed which is unslightly and potentially unsafe, as they can create a tripping hazard. The double adjust allows for an easy post pour adjustment, bringing the top surface of the cleanout level with the finish floor.

Available with either cast iron or high strength reinforced nylon shanks, the top is engineered to withstand the loads encountered in construction. An integral plastic cap offers protection during construction. It is simply removed after construction.

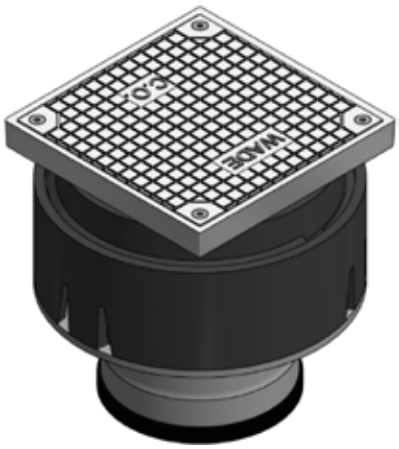
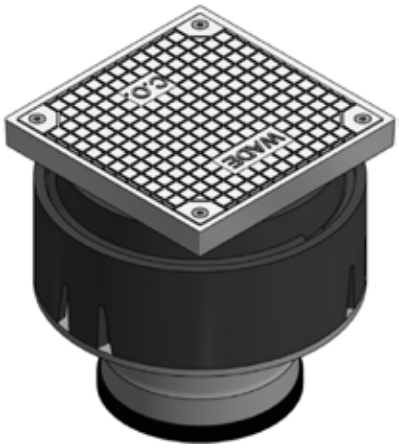
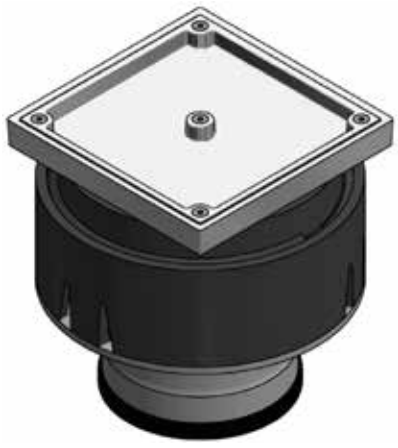




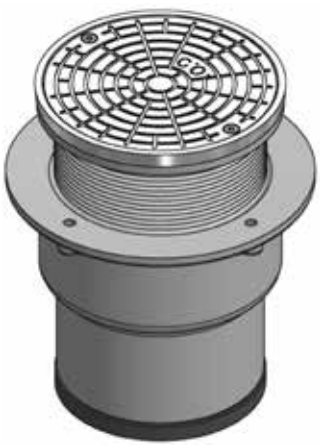
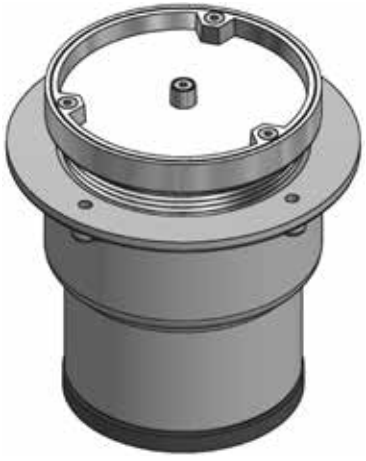
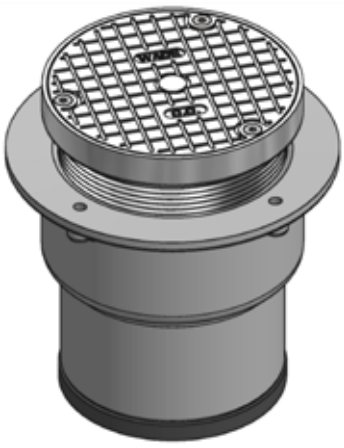
6000 Series Available Tops

		
(-1 or -2) Standard Round	**(-TR) 1/8" Recess**	**(-CF) Carpet Flange**
		
(-12) Round Ductile Iron	**(-UR) 3/8" Recess**	**(-CM) Carpet Marker**
		
(-85) Stainless Steel	**(-XT) Heavy Duty w/ 1/8" Recess**	**(-XR) Heavy Duty**

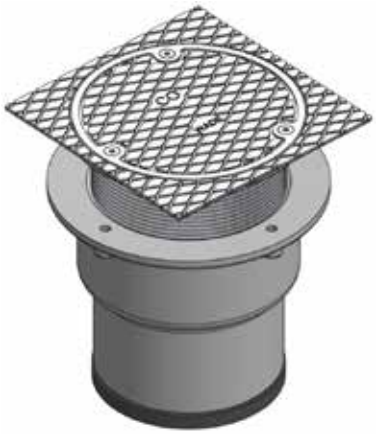
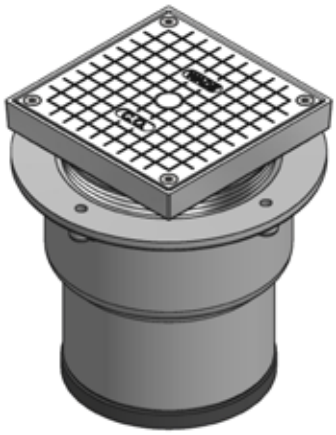
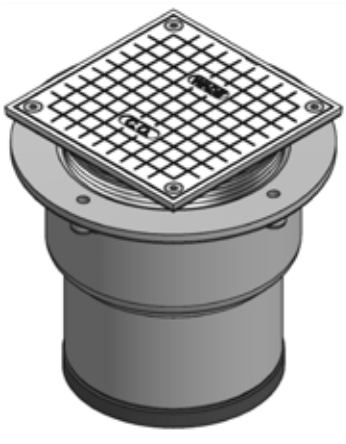
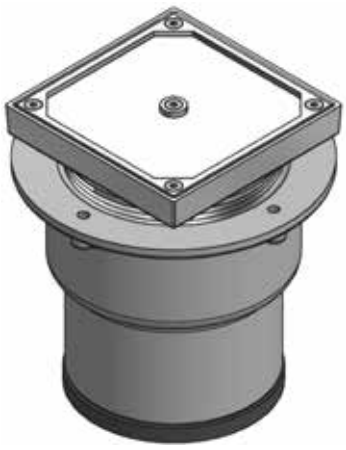
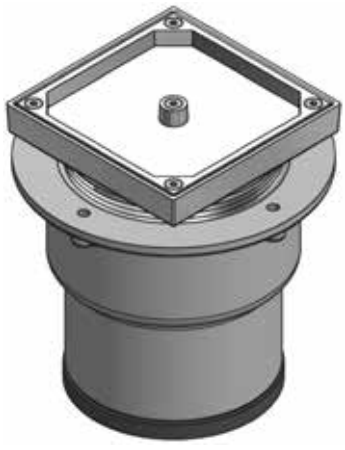
6000 Series Available Tops

		
(-E) Wide Flange	(-DT) Wide Flane w/ 1/8" Recess	(-S) Standard Square
		
(-S-85) Square Stainless Steel	(-XS) Square Heavy Duty	(-S-12) Square Ductile Iron
		
(-TS) Square w/ 1/8" Recess	(-US) Square w/ 3/8" Recess	(-Z-1) Ductile Iron w/ NB Veneer

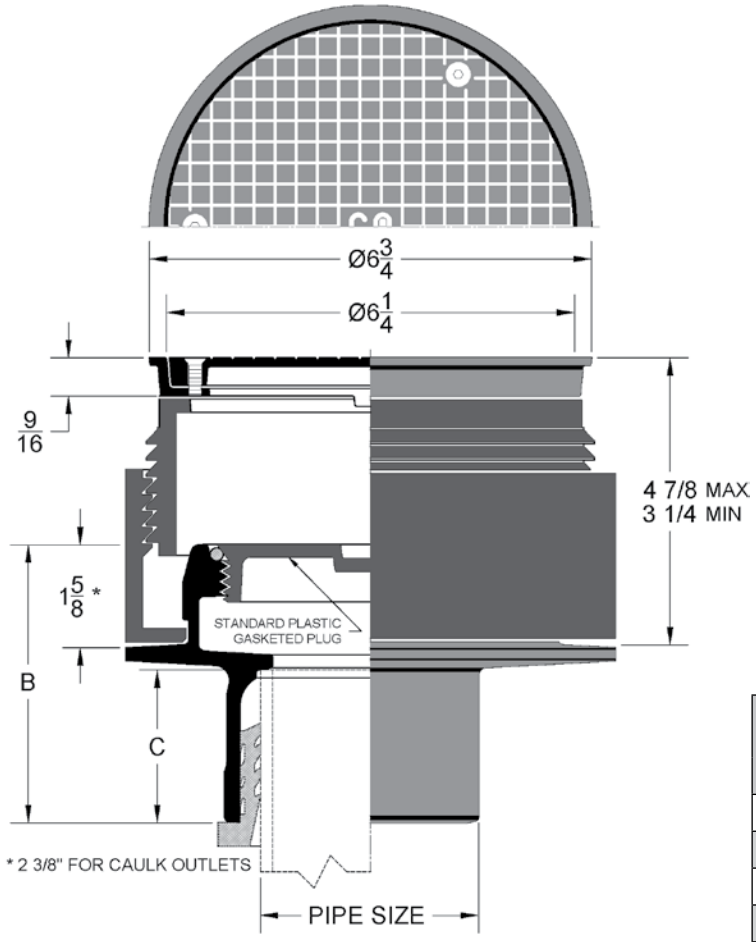
8000 Series Available Tops

		
(-1 or -2) Standard Round	**(-TR) 1/8" Recess**	**(-CF) Carpet Flange**
		
(-12) Round Ductile Iron	**(-UR) 3/8" Recess**	**(-CM) Carpet Marker**
		
(-85) Stainless Steel	**(-R) Round (All Brass)**	**(-XR) Heavy Duty**

8000 Series Available Tops

		
(-DB or -DC) Double Adjust	(-E) Wide FLange	(-RF) Floor Clamp
		
(-S) Standard Square	(-S-85) Square Stainless Steel	(-XS) Square Heavy Duty
		
(-SB) Square (All Brass)	(-TS) Square w/ 1/8" Brass	(-US) Square w/ 3/8" Recess

6000 Adjustable Floor & Grade Cleanout



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty



6000-1-3TY

Pipe Size	Push-On	Push-On	No-Hub	Inside Caulk
	B	C	B	B
2"	4-1/4	2-3/8	4-1/4	6-1/2
3"	4-1/4	2-3/8	4-1/4	6-1/2
4"	4-1/4	2-1/2	4-1/4	6-1/2
5"	4-1/4	2-1/2	4-1/4	N/A
6"	4-3/8	2-5/8	4-1/4	N/A

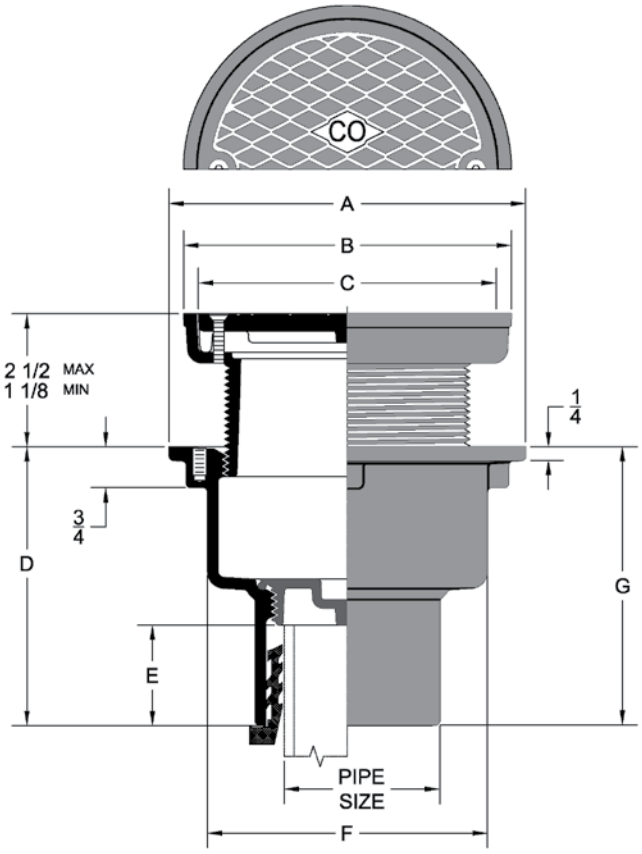
Pipe Size	Ferrule Only	Cast Iron Ferrule w/				Wt. Lbs.
		-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel	
2"	$ 164.00	$ 855.00	$ 769.00	$ 699.00	$ 1,028.00	11.2
3"	210.00	901.00	828.00	795.00	1,076.00	11.2
4"	515.00	1,206.00	1,122.00	950.00	1,382.00	11.2
5"	1,269.00	1,960.00	1,882.00	1,653.00	2,133.00	15.2
6"	1,269.00	1,960.00	1,882.00	1,653.00	2,133.00	15.2

Regularly Furnished: Cast iron cleanout with plastic threaded adjustable housings, flanged ferrule, integral clamping collar, ABS plug, & scoriated top.

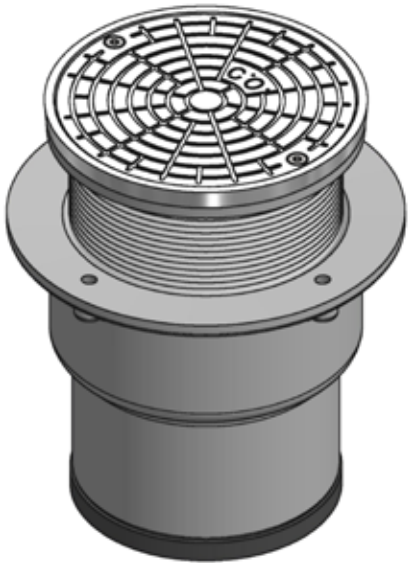
Outlet Variations		
Type	**Designation**	**Add**
Inside Caulk	2IC,3IC,4IC,5IC,6IC	N/C
No-Hub	2NH,3NH,4NH,6NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 481.00
CF	Carpet Flange * (-1 or –2 Only)		391.00
CM	Carpet Marker		107.00
DT	Tile Cover w/ Elastomeric Flange*(-1 or –2 Only)		645.00
E	Elastomeric Flange* (-1 or –2 Only)		645.00
S	Square Cover *		N/C
TR	Round Tile Floor Cover * (-1 or –2 Only)		N/C
TS	Square Tile Floor Cover * (-1 or –2 Only)		N/C
UR	Round Terrazzo Floor Cover * (-1 or –2 Only)		477.00
US	Square Terrazzo Floor Cover * (-1 or –2 Only)		477.00
VP	Vandal Proof Top Assembly		96.00
XR	Heavy Duty Round Cover (Standard on –12)		215.00
XS	Heavy Duty Square Cover		215.00
Z-1	Ductile Iron Cover w/ Nickel Bronze Veneer		215.00
39	Galvanized Cast Iron		302.00
75	Bronze Plug in Lieu of ABS	2",3",4"	265.00
		5".6"	839.00
81	Gasketed Cover		414.00
83	Special Marking		265.00

8000 Adjustable Floor & Grade Cleanout



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty



8000-1-3TY

Regularly Furnished: Cast iron cleanout with threaded, adjustable housing, flanged ferrule, ABS plug, & scoriated top.

Pipe Size	Dimensions (Inches)						
	A	B	C	D Ty-Seal	E	C	G No-Hub
2"	6 9/16	6	5 1/2	5 1/8	2 9/16	5 1/8	5 1/8
3"	6 9/16	6	5 1/2	5 1/8	2 9/16	5 1/8	5 1/8
4"	6 9/16	6	5 1/2	5 1/8	2 9/16	5 1/8	5 1/8
5"	8 1/2	7 1/2	6 1/8	5 3/4	2 3/4	7 3/8	5 5/8
6"	8 1/2	7 1/2	6 1/8	5 3/4	2 3/4	7 3/8	5 5/8
8"	10 5/8	9	7 7/8	7 3/8	3 1/8	9 1/2	7 1/2

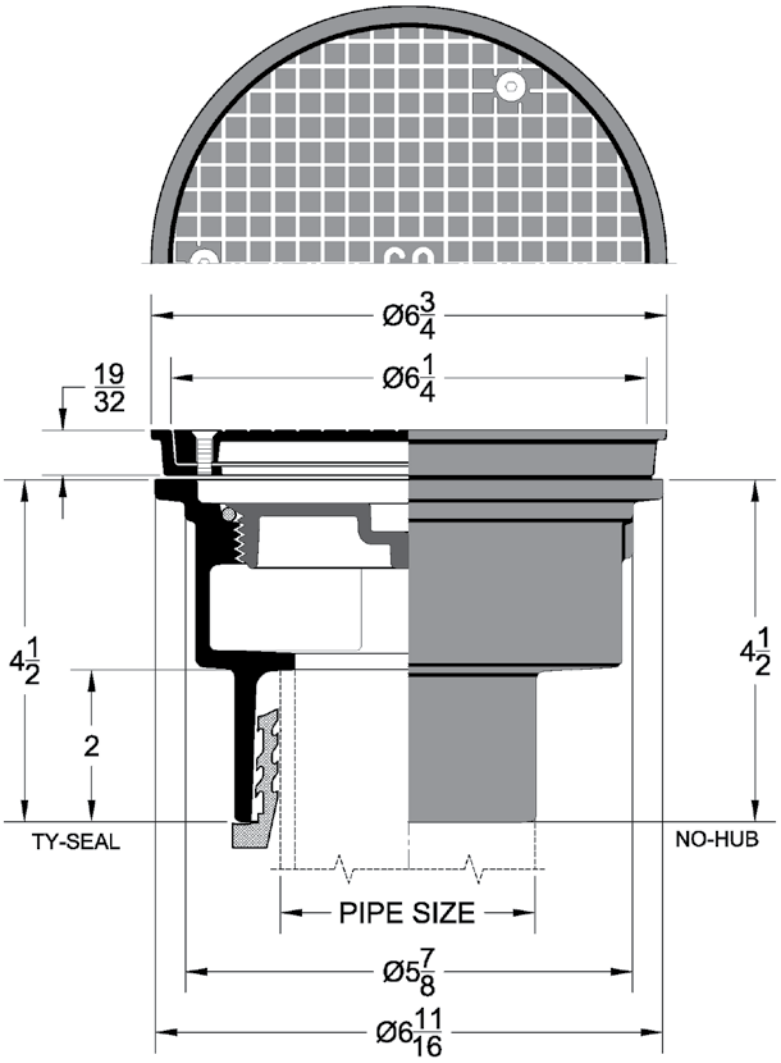
Pipe Size	Cast Iron Ferrule w/				Wt. Lbs.
	-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	
2"	$ 855.00	$ 769.00	$ 699.00	$ 1,028.00	10.8
3"	901.00	828.00	795.00	1,076.00	10.8
4"	1,206.00	1,122.00	950.00	1,382.00	10.8
6"	1,960.00	1,882.00	1,653.00	2,133.00	22.0
8"	2,240.00	2,179.00	1,960.00	N/A	33.5

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6NH,8NH	N/C
Push On Gasket	2TY,3TY,4TY,6TY(CI),6TX(PVC)8TY	N/C

Suffix Options			
Suffix	**Description**		**Add**
ARC	Acid Resistant Coating		$ 481.00
CF	Carpet Flange * (-1 or –2 Only)		391.00
CM	Carpet Marker		107.00
E	Elastomeric Flange* (-1 or –2 Only)		645.00
RF	Flooring Clamp		1,454.00
S	Square Cover* (-1, -2 or –85 Only)		N/C
SB	Square Cover* (-1, -2 Only)		N/C
TR	Round Tile Floor Cover * (-1 or –2 Only)		N/C
TS	Square Tile Floor Cover * (-1 or –2 Only)		N/C
UR	Round Terrazzo Floor Cover * (-1 or –2 Only)		477.00
US	Square Terrazzo Floor Cover *(-1 or –2 Only)		477.00
VP	Vandal Proof Top Assembly		96.00
X	Heavy Duty Cover * (Standard on –12)		215.00
XS	Heavy Duty Square Cover * (-1 or –2 Only)		215.00
26	Clamping Ring		146.00
39	Galvanized Cast Iron		302.00
75	Bronze Plug in Lieu of ABS	2",3",4"	265.00
		6",8"	839.00
81	Gasketed Cover		414.00
83	Special Marking		265.00

8200 Floor & Grade Cleanout

ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty





8200-1-3TY

Pipe Size	-1 Satin Finish Nickel Bronze Top	-2 Satin Finish Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	Wt. Lbs.
2"	$ 592.00	$ 570.00	$ 468.00	$ 712.00	6.8
3"	880.00	796.00	623.00	1,004.00	6.8
4"	880.00	796.00	623.00	1,004.00	6.8

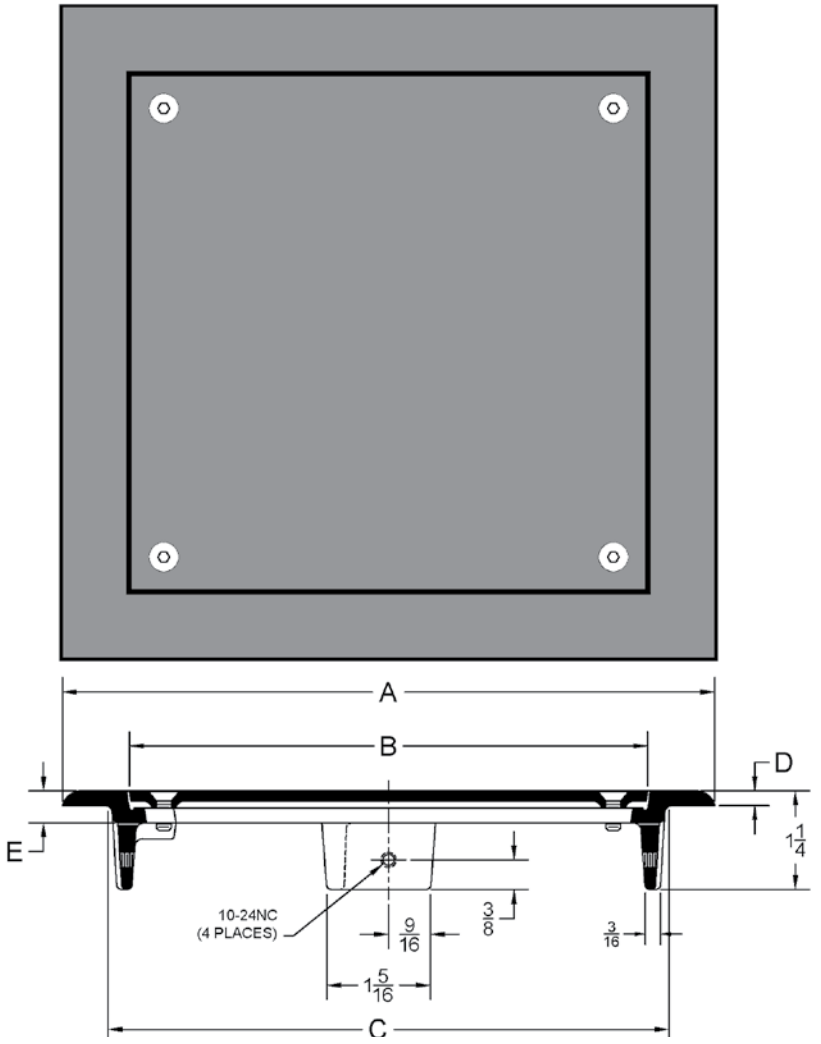
Regularly Furnished: Cast iron cleanout with ABS plug, & scoriated top.

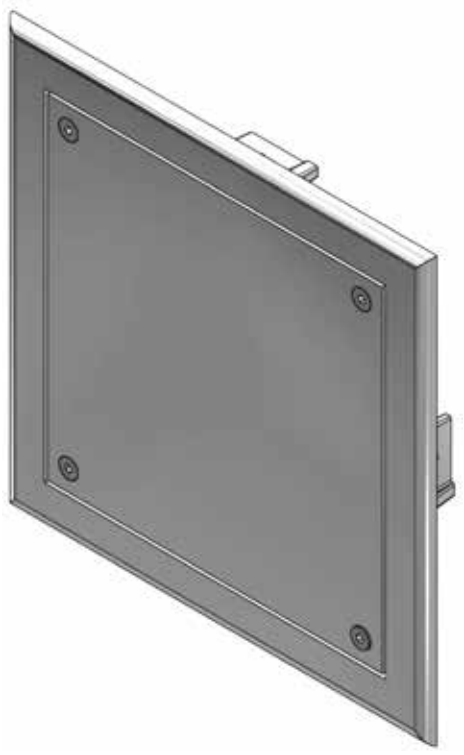
Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH	N/C
Push On Gasket	2TY,3TY,4TY	N/C

Suffix Options		
Suffix	**Description**	**Add**
ARC	Acid Resistant Coating	$ 481.00
CF	Carpet Flange * (-1 or –2 Only)	391.00
CM	Carpet Marker	108.00
E	Elastomeric Flange* (-1 or –2 Only)	645.00
S	Square Cover* (-1, -2 or –85 Only)	N/C
TR	Round Tile Floor Cover * (-1 or –2 Only)	N/C
TS	Square Tile Floor Cover * (-1 or –2 Only)	N/C
UR	Round Terrazzo Floor Cover * (-1 or –2 Only)	477.00
US	Square Terrazzo Floor Cover *(-1 or –2 Only)	477.00
VP	Vandal Proof Top Assembly	96.00
X	Heavy Duty Cover * (Standard on –12)	215.00
39	Galvanized Cast Iron	303.00
75	Bronze Plug in Leiu of ABS	265.00
83	Special Marking	265.00

** Dimensions vary from illustration*

8303 Square Wall Access Panel (Replaces 8480-ST)





8303-8-1

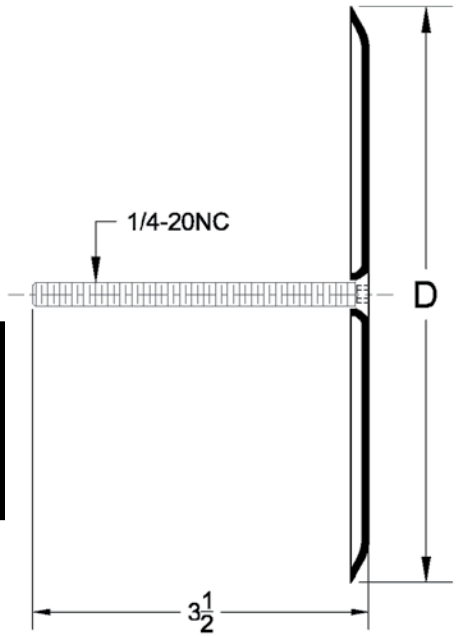
Size	-1 Satin Finish Nickel Bronze Frame w/ S/S Cover	-85 Satin Finish S/S Frame w/ S/S Cover	Wt. Lbs.
6"	-	$ 875.00	3.0
8"	$ 1,277.00	1,277.00	5.0
10"	-	1,383.00	7.0
12"	-	1,491.00	11.0

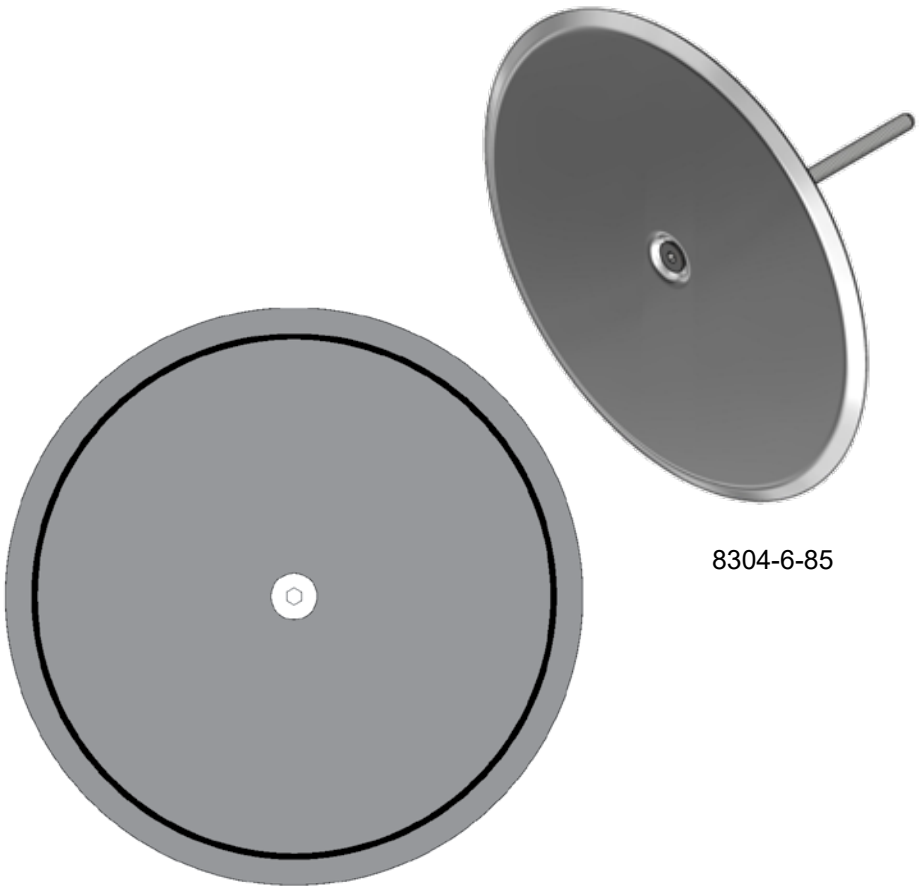
Regularly Furnished: Square access cover & frame. Cleanout ferrules & tees are optional.

Suffix Options		
Suffix	**Description**	**Add**
COF2	2" No-Hub Cleanout Ferrule with ABS Plug	$ 135.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug	205.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug	281.00
COF5	5" No-Hub Cleanout Ferrule with ABS Plug	417.00
COF6	6" No-Hub Cleanout Ferrule with ABS Plug	574.00

Suffix Options			
Suffix	**Description**		**Add**
COT2	2" No-Hub Cleanout Tee with ABS Plug		$ 311.00
COT3	3" No-Hub Cleanout Tee with ABS Plug		390.00
COT4	4" No-Hub Cleanout Tee with ABS Plug		601.00
COT5	5" No-Hub Cleanout Tee with ABS Plug		1,128.00
COT6	6" No-Hub Cleanout Tee with ABS Plug		1,715.00
VP	Vandal Proof Screws		96.00
39F	Galvanized Cleanout Ferrule		216.00
39T	Galvanized Cleanout Tee		303.00
75	Bronze Plug in Lieu of ABS	2",3",4"	265.00
		5",6"	839.00
83	Special Marking		265.00
164	Smooth Cover		N/C

8304 Round Wall Cleanout Access Cover





8304-6-85

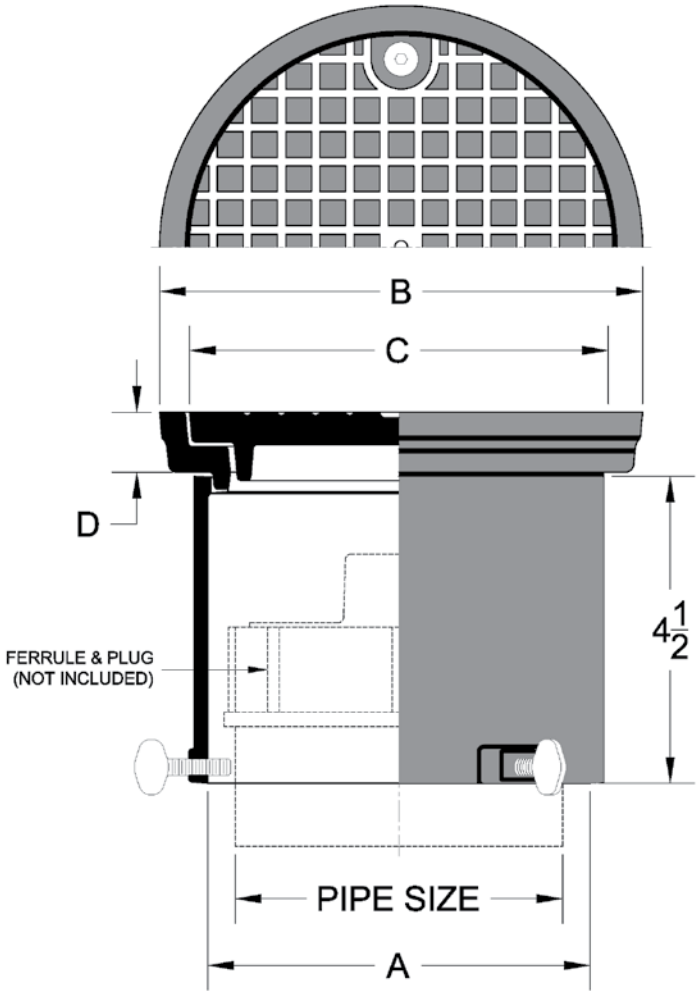
Size	D	Required for Plug Sizes	-85 Stainless Steel Cover	Wt. Lbs.
6"	6	1-1/2" - 3-1/2"	$ 249.00	0.5
8"	8	4" - 5"	443.00	0.8
10"	10	6" - 8"	689.00	1.0

Regularly Furnished: Round, polished stainless steel cleanout access cover with securing screw. Cleanout ferrules & tees are optional.

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Screws		$ 96.00
39F	Galvanized Cleanout Ferrule		216.00
39T	Galvanized Cleanout Tee		303.00
75	Bronze Plug in Lieu of ABS	2",3",4"	265.00
		5",6"	839.00
83	Special Marking		265.00

Ferrule & Tee Options		
Suffix	Description	Add
COF2	2" No-Hub Cleanout Ferrule with ABS Plug	$ 135.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug	205.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug	281.00
COF5	5" No-Hub Cleanout Ferrule with ABS Plug	417.00
COF6	6" No-Hub Cleanout Ferrule with ABS Plug	574.00
COT2	2" No-Hub Cleanout Tee with ABS Plug	311.00
COT3	3" No-Hub Cleanout Tee with ABS Plug	390.00
COT4	4" No-Hub Cleanout Tee with ABS Plug	601.00
COT5	5" No-Hub Cleanout Tee with ABS Plug	1,128.00
COT6	6" No-Hub Cleanout Tee with ABS Plug	1,715.00

8400 Floor Access Housing



ASME Load Rating	
(-1) Nickel Bronze	Light Duty
(-2) Satin Bronze	Light Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Medium Duty



8400-1-2SJ

Pipe Size	Cast Iron Body w/			Wt. Lbs.
	-1 Satin Finish Nickel Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	
2"	$ 563.00	$ 412.00	$ 686.00	5.3
3"	843.00	608.00	927.00	5.7
4"	843.00	608.00	927.00	6.0

Pipe Size	(1) Nickel Bronze or (2) Satin Bronze or (85) Stainless Steel Top			
	A	B	C	D
2"	3-11/32	6-25/32	6-7-32	19/32
3"	4-23/32	6-25/32	6-7/32	19/32
4"	5-19/32	6-25/32	6-7/32	19/32
Pipe Size	**(12) Ductile Iron Top**			
2"	3-11/32	7	6-1/8	7/8
3"	4-23/32	7	6-1/8	7/8
4"	5-19/32	7	6-1/8	7/8

Ferrule Options		
Suffix	**Description**	**Add**
COF2	2" No-Hub Cleanout Ferrule with ABS Plug	$ 135.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug	205.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug	281.00

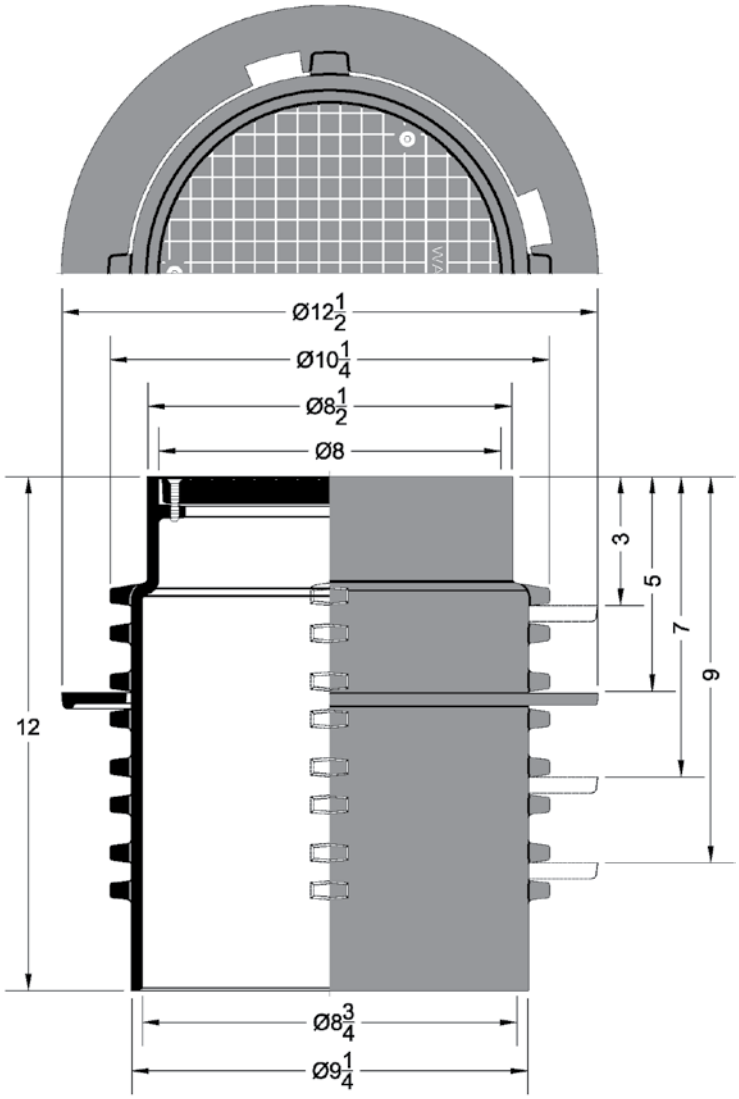
Regularly Furnished: Cast iron floor access housing with round scoriated cover & frame and thumb screws.

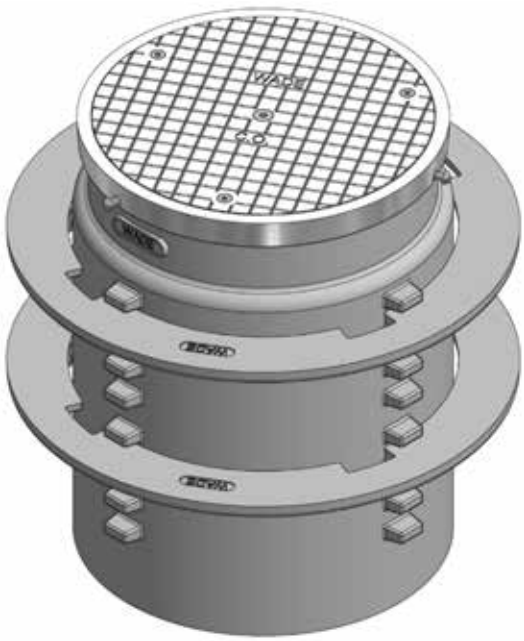
Connection Type		
Type	Designation	Add
Slip Joint	2SJ,3SJ,4SJ	N/C

Suffix Options		
Suffix	**Description**	**Add**
CM	Carpet Marker*	$ 108.00
VP	Vandal Proof Top Assembly	96.00
X	Heavy Duty Cover (Standard on –12)	215.00
S	Square Top *	N/C
39	Galvanized Cast Iron	195.00
75	Bronze Plug in Lieu of ABS in Cleanout Ferrules	265.00
83	Special Marking	265.00

8401 Grade & Floor Cleanout Access Housing

ASME Load Rating	
(-1) Nickel Bronze	Special Duty
(-12) Ductile Iron	Special Duty
(-85) Stainless Steel	Special Duty





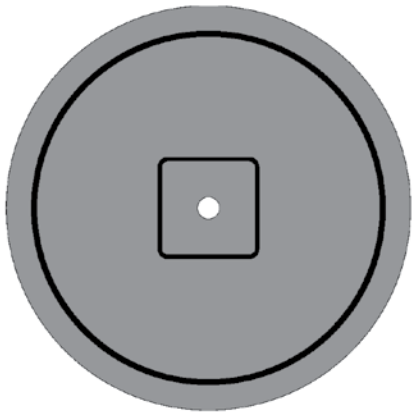
8401-1

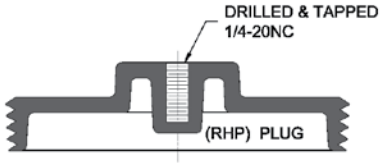
Cast Iron Body w/			Wt. Lbs.
-1 Satin Finish Nickel Bronze Top	-12 Ductile Iron Top	-85 Satin Finish Stainless Steel Top	
$ 2,735.00	$ 1,901.00	$ 2,603.00	35.0

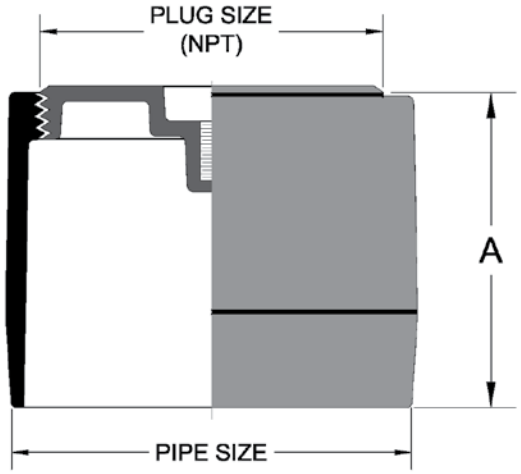
Regularly Furnished: Cast iron access housing with adjustable anchor flange & extra heavy duty secured scoriated cover.

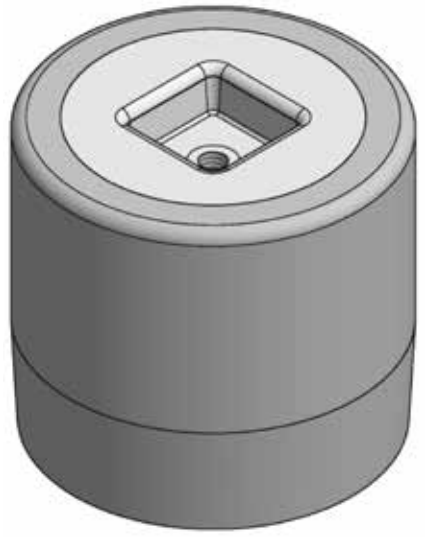
Suffix Options			
Suffix	**Description**		**Add**
CM	Carpet Marker*		$ 108.00
COF2	2" No-Hub Cleanout Ferrule with ABS Plug		135.00
COF3	3" No-Hub Cleanout Ferrule with ABS Plug		205.00
COF4	4" No-Hub Cleanout Ferrule with ABS Plug		281.00
COF5	5" No-Hub Cleanout Ferrule with ABS Plug		417.00
COF6	6" No-Hub Cleanout Ferrule with ABS Plug		574.00
VP	Vandal Proof Screws		133.00
39F	Galvanized Cleanout Ferrule		186.00
75	Bronze Plug in Lieu of ABS	2",3",4"	265.00
		5",6"	839.00
81	Gasketed Cover		445.00
83	Special Marking		265.00

8550 Cleanout Ferrule & Plug









8550-4NH-75

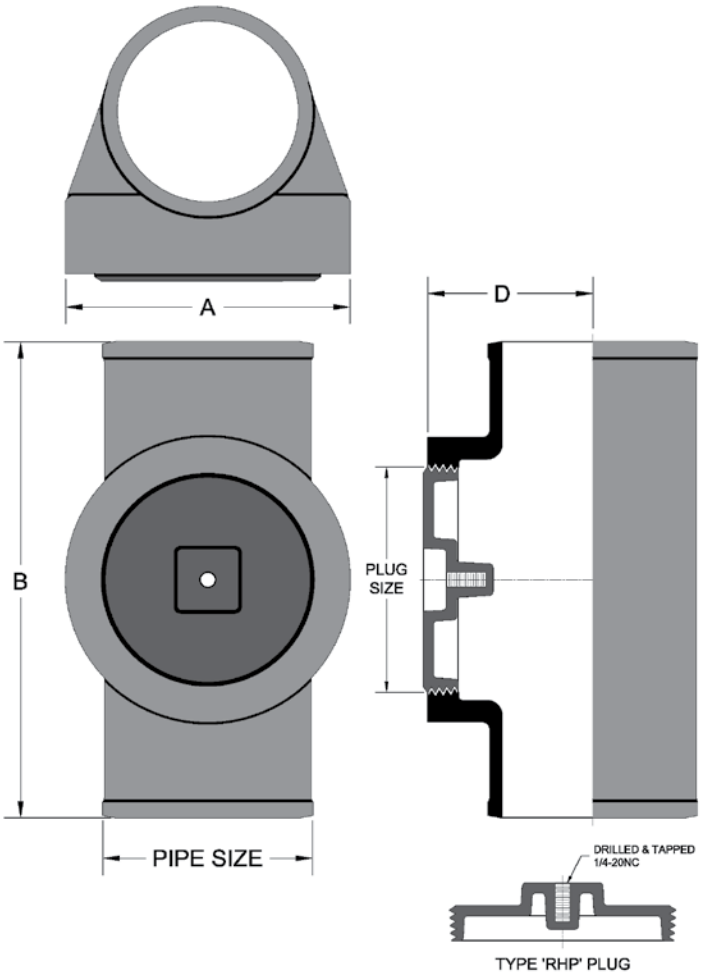
Pipe Size	Plug Size	A	Regularly Furnished	Wt. Lbs.
2"	1-1/2"	2-3/4	$ 142.00	1.5
3"	2-1/2"	3	218.00	2.5
4"	3-1/2"	3-1/4	300.00	4.0
5"	4"	4-3/8	417.00	6.0
6"	5"	4-1/2	608.00	9.0
8"	6"	4-5/8	1,129.00	16.0
10"	6"	4-1/2	1,659.00	20.3
12"	6"	5-1/4	2,565.00	26.3

Regularly Furnished: Cast iron cleanout ferrule with countersunk ABS plug. Sizes 8", 10" and 12" furnished with brass plug.

Outlet Variations		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6NH,8NH,10NH,12NH	N/C

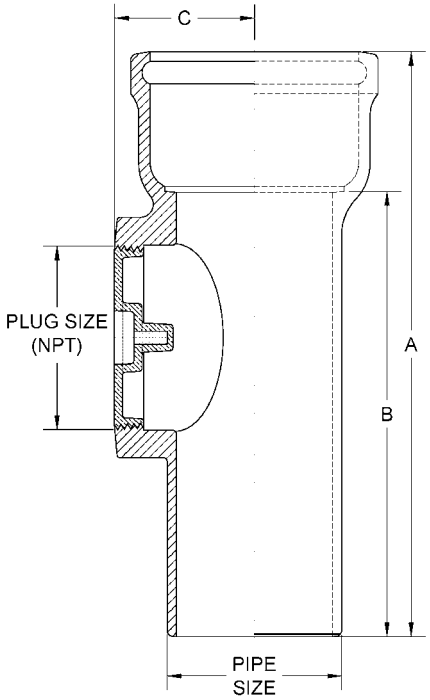
Suffix Options			
Suffix	Description		Add
RHP	Raised Head Plug		N/C
39	Galvanized Cast Iron		$ 186.00
75	Bronze Plug in Lieu of ABS	2,3,4"	265.00
		5",6"	839.00

8560 Cleanout Tee & Plug





8560-3TY-75



Pipe Size	Plug Size	A	B	D	Regularly Furnished	Wt. Lbs.
2"	2"	3-1/4	6-3/8	2	$ 330.00	8.0
3"	3"	4-5/8	7/3/4	2-3/4	413.00	15.0
4"	4"	3-1/4	8/7/8	4-1/2	641.00	16.0
5"	5"	5-3/4	11-1/2	5-3/4	1,128.00	16.3
6"	6"	8-5/16	12-1/2	6-1/4	1,812.00	35.0
8"	8"	10-1/4	15-1/4	7-5/8	2,251.00	49.0
10"	10"	12	20	10	1,659.00	59.0

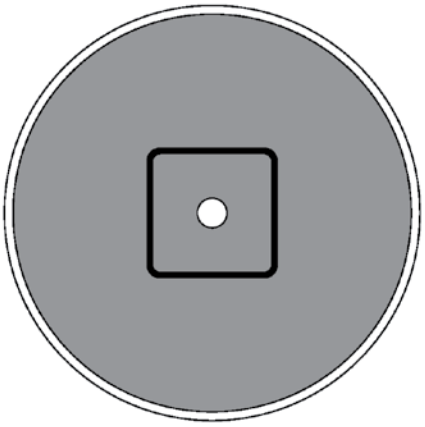
Regularly Furnished: Cast iron cleanout tee with countersunk ABS plug. Sizes 8" and 10 furnished with brass plug.

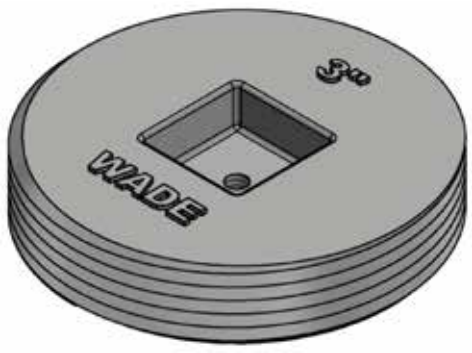
Pipe Size	2"	3"	4"	5"	6"	8"
Plug Size	2"	3"	4"	5"	6"	6"
A	10-3/8	12-3/4	13-7/8	15	16	16
B	7-7/8	10	10-7/8	12	12	12-1/2
C	4-1/4	5-1/2	6	7-1/8	7-1/8	7

Suffix Options			
Suffix	**Description**		**Add**
RHP	Raised Head Plug		N/C
39	Galvanized Cast Iron		$ 303.00
75	Bronze Plug in lieu of ABS	2,3,4"	265.00
		5",6"	839.00

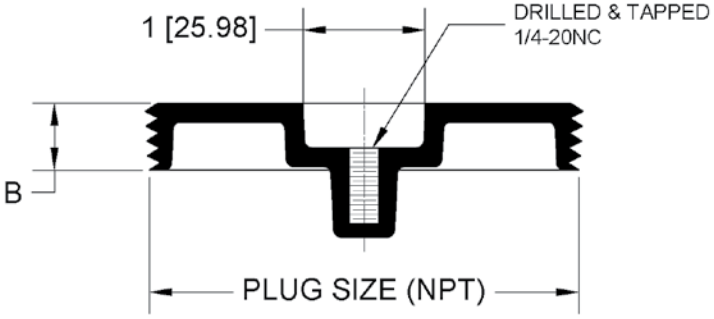
Connection Type		
Type	**Designation**	**Add**
No-Hub	2NH,3NH,4NH,6NH,8NH,10NH	N/C
Hub & Spigot	2TY,3TY,4TY,5TY,6TY,8TY,10TY	N/C

8590 Cleanout Plug

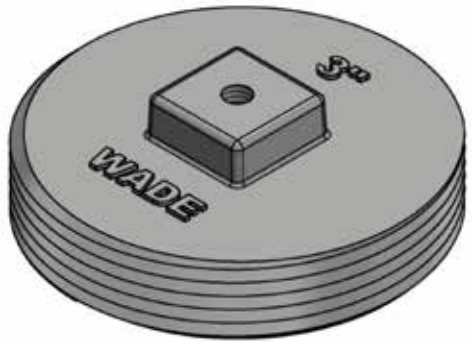




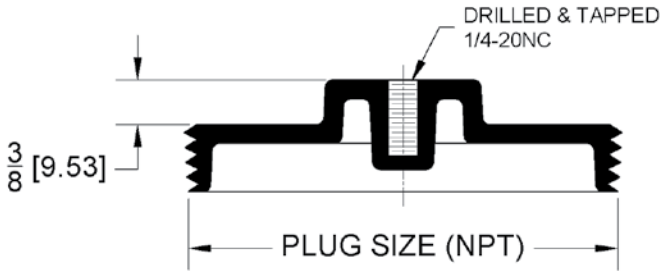
8590-3IPS



COUNTERSUNK PLUG



8590-3IPS-RHP



RHP (RAISED HEAD PLUG)

Plug Size	B	(-75) Brass	ABS Plastic	Wt. Lbs.
1-1/2"	7/16"	$ 69.00	$ 62.00	0.5
2"	7/16"	156.00	66.00	0.5
2-1/2"	5/8"	198.00	86.00	0.8
3"	3/4"	216.00	116.00	0.8
3-1/2"	3/4"	229.00	192.00	1.0
4"	13/16"	249.00	213.00	1.5
5"	15/16"	720.00	311.00	1.5
6"	1"	964.00	334.00	3.0
8"	1"	1,976.00	N/A	7.0

Regularly Furnished: ABS plastic countersunk plug, tapped for screw.

Suffix Options		
Suffix	**Description**	**Add**
RHP	Raised Head Plug (-75 Only)	N/C
266	Plug Wrench	$ 115.00

Index

Application	Product Recommendation
Exposed Non Freeze Wall Hydrants	8600, 8601
Exposed, Mild Temp Wall Hydrants	8607, 8608
Concealed, Non Freeze Wall Hydrants	8700, 8701, 8706
Concealed, Mild Temp Wall Hydrants	8707, 8708, 8709
Dual Temp Wall Hydrants	8706
Ground Hydrants	8801
Post Hydrants	8900

How To Specify

8700-85-L12-87

- Series Number (Required)
- Finish & Materials (Required)
- Wall Thickness / Bury Depth (Required)
- Miscellaneous Options (As Needed)



Wall & Ground Hydrants

DEFINITIONS OF COMMON TERMS

ANTI-SIPHON
Feature in Envir/Gard hydrants that protects against back siphinage. It is recommended that hose be disconnected from hydrant after use.

BACKFLOW
All Enviro/Gard hydrants are equipped with a backflow preventer. This device is designed to prevent the flow of water or other liquids, into the potable water supply from any source other than those intended.

BACK SIPHONAGE
A type of backflow caused by negative pressure in potable water supply piping. Both optional screw-on backflow preventers (vacumn breakers) and integral Enviro/Gard hydrant vacuum breakers protect against back siphonage.

MODERATE CLIMATE HYDRANTS
Hydrant that is not self-draining, nor does it have a remote shut-off, which is typically located in a wall or underground. These hydrants should only be used in areas where there is no danger of freezing.

NON-FREEZE (FROST PROOF) AUTOMATIC DRAINING HYDRANTS
Hydrants for the purpose of upplying potable water to a hose connection without danger of freezing. Hydrant allows water remaining in exposed area to drain, thus reducing the possibility of freezing and damage to the hydrant.

VACUUM BREAKER
Type of backflow preventer used in hydrants to prevent contamination of potable water supply through back pressure or back siphonage.

VARI-TEMP OR MULTI-TEMP
Mixing hydrant that allows connection to both hot and cold supplies; thus it is used to supply tempered water.

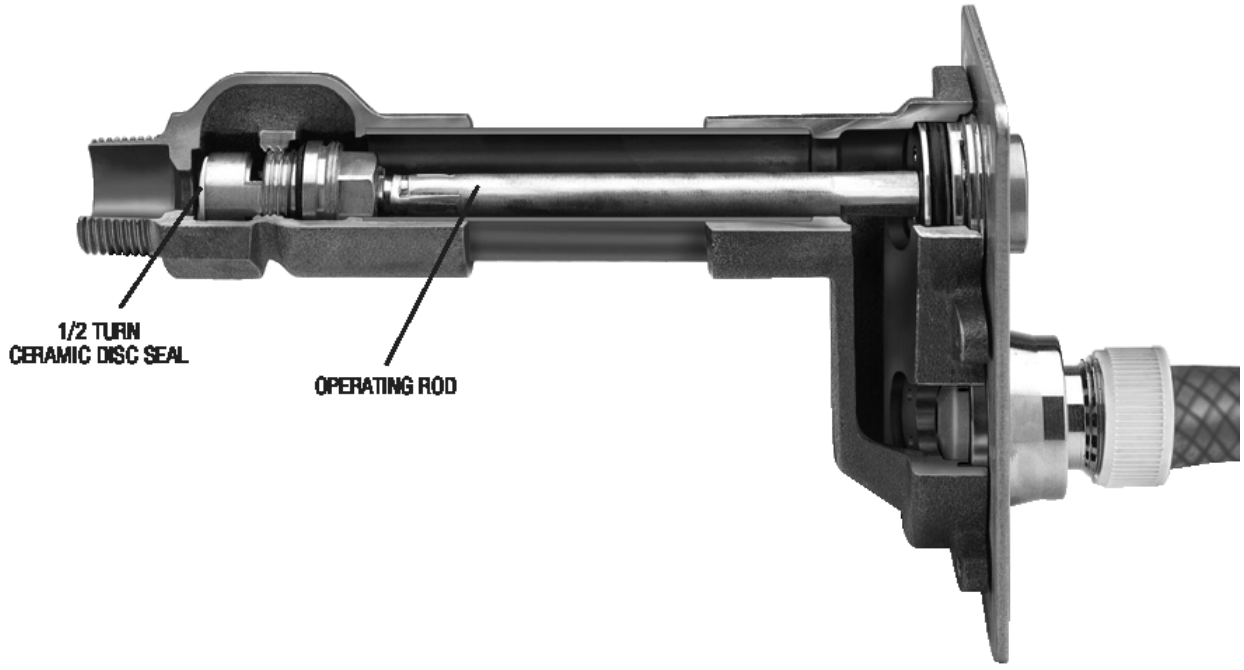
Creamic Disc Cartridge Hydrants



- Low noise level.
- All brass casing for durability.
- One-half turn operation.
- Capable of withstanding pressures of up to 130 psi.
- Easily Replaceable if repair is necessary.

Wade Ceramic Disk technology is available in the 8601, 8608, 8701, 8708 and 8709 Enviro/Gard wall hydrants. These hydrant models utilize a one-piece, modular cartridge designed for years of maintenance-free use and serviceability.

Note: Each ceramic disk cartridge utilizes a one-half turn operation. This is signified by a double-arrow symbol on the front of the hydrant faceplate displaying the words “1/2 Turn.” The operating coupling should operate with very little resistance and should not be subjected to extreme torques when opening and closing the hydrant. Overtightening the operating coupling does not affect the shut-off of the hydrant and may result in damage of the operating rod or the ceramic cartridge assembly



8601 Ceramic Disc Wall Hydrant Performance			
Static Pressure (PSI)	**Running Inlet Pressure (PSI)**	**Running Outlet Pressure (PSI)**	**Flow Rate (GPM)**
10	6.1	0.0	2.6
20	14.8	0.0	4.3
30	24.3	0.5	5.6
40	33.1	0.9	6.5
50	42.3	1.4	7.3
60	49.7	1.7	7.9
70	62.1	2.2	8.8
80	70.6	2.7	9.3
90	78.7	3.1	9.8

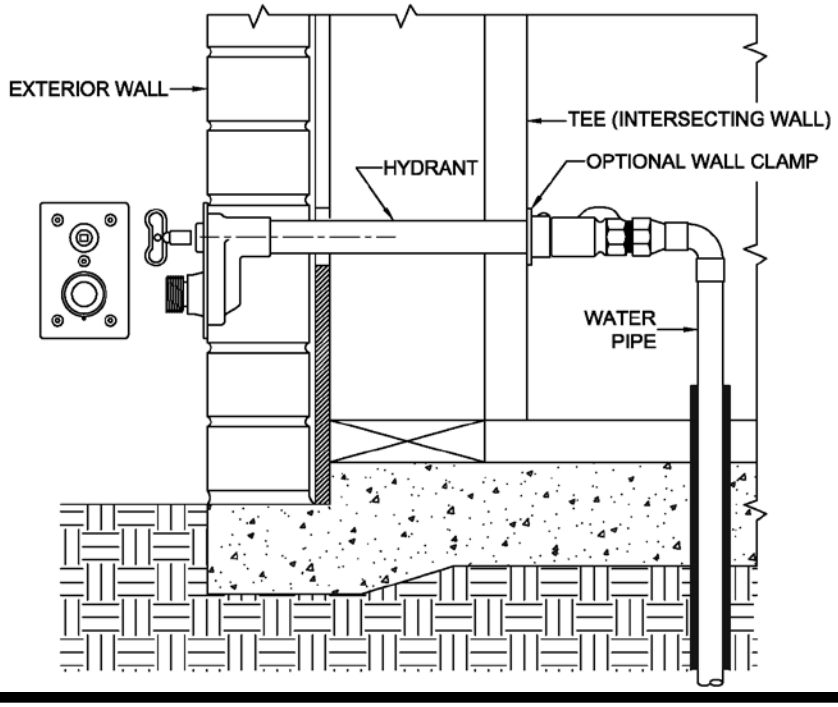
Application Index			
Building Type	Ground Hydrants	Wall Hydrants	
	Non-Freeze Self Draining	Non-Freeze Self Draining	Modetate Climate
Agricultural (Farms, Feed Lots)	8800,8801,8900		
Apartments	8800,8801,8900	8600,8601,8604	8605,8607,8608
		8700,8701,8704	8707,8708,8709
Cleaning Areas, Slop Sinks, Garbage Can Wash	8801	8600,8601,8604	8605,8607,8608
		8700,8701,8704,8706	8707,8708,8709
Commercial / Multi Family		8706	8709
Garden Areas	8800,8801,8900	8600,8601,8604	8605,8307,8608
		8700,8701,8704	8707,8708,8709
Institutions, Hospitals, Schools		8600,8601,8604	8605,8607,8608
		8700,8701,8704,8706	8707,8708,8709
Industrial	8800,8801,8900	8600,8601,8604	8605,8607,8608
		8700,8701,8704,	8707,8708,8709
Malls, Shopping Centers	8801	8600,8601,8604	8605,8607,8608
		8700,8701,8704	8707,8708,8709
Office Buildings		8600,8601,8604	8605,8607,8608
		8700,8701,8704,8706	8707,8708,8709
Recreational Areas & Parks	8800,8801,8900	8600,8601,8604	8605,8607,8608
		8700,8701,8704	8707,8708,8709
Roofs	8900-R		
Supermarkets	8800,8801	8600,8601,8604	8605,8607,8608
		8700,8701,8704	8707,8708,8709
Stables	8800,8801,8900	8600,8601	8607,8608
		8700,8701	8707,8708,8709

Installation (Wall Hydrants)

Wade wall hydrants provide a non-freeze installation in any type of wall construction. The water supply is first run to an elevation above the finished floor at the anticipated hydrant location. The piping should be insulated for protection against agressive soils and concrete.

The type of piping and connections are irrelavent - a standard 3/4” NPT threaded adapter is all that is required. The piping should be accessable for connection after the concrete is poured.

A common method is to place the hydrant at an interior wall junction to allow maximum length for freeze protection.



Technical Data

Non Freeze Wall Hydrants

Box type (Encased) wall hydrants are recommended for all finished exterior walls. Wade normally furnishes these hydrants with either a stainless steel box or a satin ninish nickel bronze box. Sthese boxes will not oxidize and stain finished exterior walls. All Wade hydrant boxes are face-of-wall design. The box covers the rough opening and fits flush against the exterior wall surface. The hinged locking cover conceals the hoze nozzle an all operationg parts.

Advantages of flush recessed box type non-freeze hydrants are:

- No protruding hose connection or operating mechanism.
- Prevents unauthorized use.
- Prevents against vandalism.
- Flush design offers enhanced appearance.

Non-encased wall hydrants are recommended in finsihed exterior walls where protruding hose connections or tamper proof protection is not necessary. These hydrants are furnished with an attractive face design which will not stain the exterior wall. Exposed hydrants are installed in areas where shrubs or other plants will conceal the hydrant or the areas are protected by fencing.

The primary function of non-freeze wall hydrants is to supply water to the exterior of the building without freezing. The wall hydrant must be specified with a casing long enough to locate the valve seat inside the building.

Non-Freeze Ground and Post Hydrants

Wade ground and post hydrants are furnished with with a valve housing that is installed below the frost line (minimum depth of bury) as specified for the region of installation. The valve housing has a drain port which drains the casing of the hydrant when the hydrant is in the off position; there is no water in the casing during non-use periods. Water from the drain hole seeps into the ground and shuold therefore be set into a bed of gravel.

Some locations where the hydrant cannot drain into the ground such as parking garages, plazas or promenade deck areas require that the drain port to locate in a heated area not subject to freezing and piping terminated into a suitable drain.

Hose Connections

Wade hydrants are furnished with hose coupling screw threads conforming to ANSI B2.4.

Inlet Connections

Threaded inlet connections are taper pipe threads (NPT) (male and female) conforming to ANSI B2.1.

Solder inlet connections for connection to copper tube or copper tube fittings conform to ANSI/ASTM B16.18.

In general, Wade hydrants are designed to conform to ANSI/ASME A112.21.3M Hydrants for Utility and Maintenance Use.

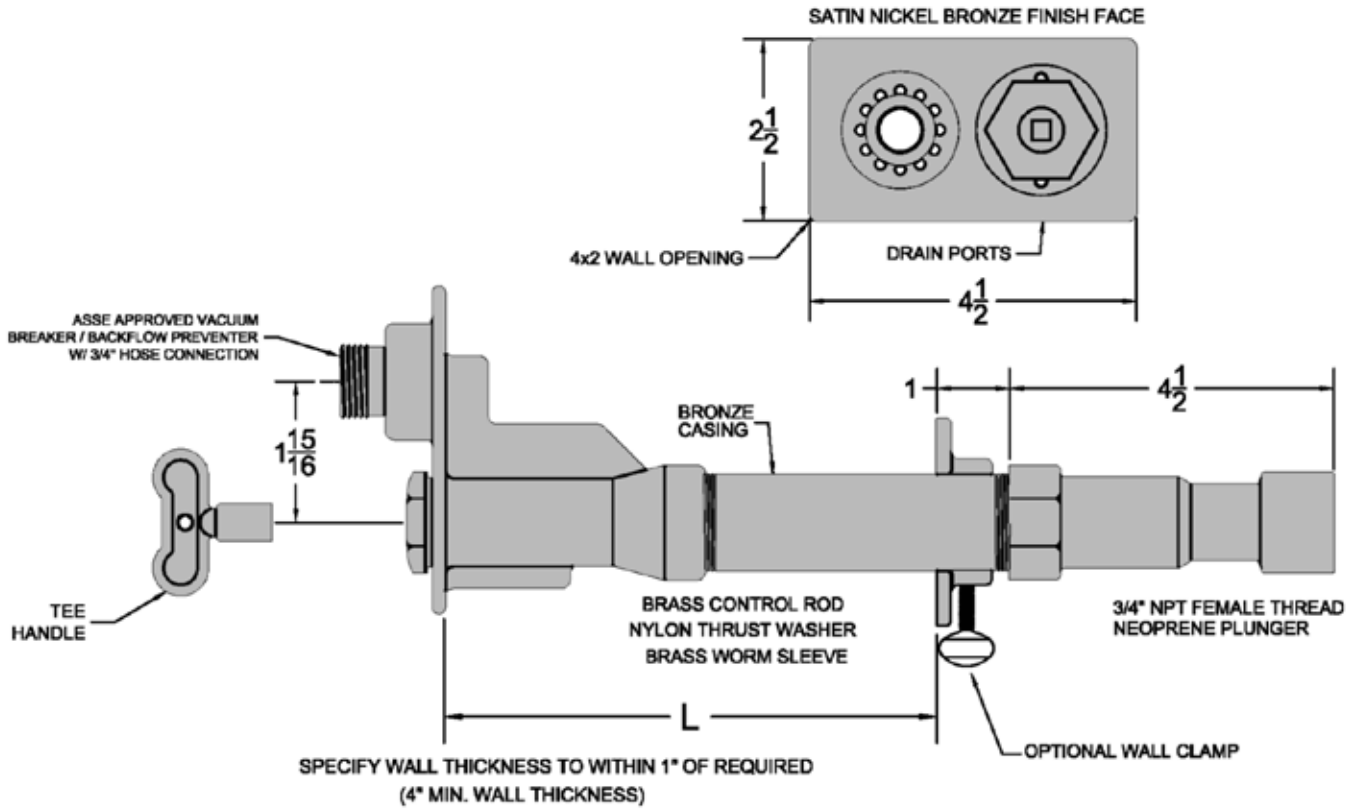
Vacuum Breakers / Backflow Preventers

Anti-siphon vacuum breakers are designed to protect hose connections from contamination. Vacuum breakers are designed to provide protection against back siphonage and backflow from aspirators or hoses left in contaminants. Wade vacuum breakers conform to ASSE Standard 1011.

Options and Variations	
Suffix	Description
-1	Satin Finish Nickel Bronze Face
-2	Satinn Finish Bronze Face
-3	Rough Bronze Face
-12	Cast Iron Box w/ Ductile Iron Cover
-24	Anchor Flange on Box
-26	Anchor Flange on Box w/ Clamp Device
-39	Galvanized Cast Iron Box w/ Ductile Iron Cover
-83	Special Wording or Logo On Cover
-85	Stainless Steel Face or Box
-87	Wall Clamp
-88	Straight Copper Sweat Inlet Connection
-89	Vacuum Breaker
-90	1” Hose Thread Connection
-91	Union Elbow Connection
-92	Key Operated Cylinder Lock
-97	Galvanized Casing in Lieu of Brass
-102	Chrome Plated
-109	Drilled and Tapped Hole In Hydrant Box
-128	Statuary Bronze Finish on Face or Box
-131	Wheel Handle Operator
-135	Bronze Casing
-142	Less Vacuum Breaker
-175	Hydrant Box
-234	Deep Hydrant Box
-237	Cast Stainless Steel Box
-258	IPS x Copper Sweat 90 Degree Adapter
-259	IPS x Copper Sweat Straight Adapter
-260	6” Diameter Core Drill Hydrant Box
-261	Mounting Brackets (16” C to C Studs)
-262	Mounting Brackets (24” C to C Studs)
-263	Cast Iron Hydrant Box
-270	Less Hydrant Box
-275	Straight Inlet Adapter 3/4” MIPT x 3/4” CS
-277	Union Elbow Assembly 3/4” FIPT x 3/4” CS
-278	Union Elbow Assembly 3/4” MIPT x 3/4” CS
-279	Union Elbow Assembly 1” MIPT x 1” CS
-288	Straight Inlet Adapter 1” MIPT x 3/4” CS
-289	Straight Inlet Adapter 3/4” FIPT x 3/4” CS
-290	Straight Inlet Adapter 3/4’ FIPT x 1” CS
-RC	Rough Chrome Plated
-PC	Polished Chrome Plated

Options, Variations & Repair Kits	
Suffix	Description
-CRT12	12” Long Cartridge Removal Tool
-CRT24	24” Long Cartridge Removal Tool
-CRT36	36” Long Cartridge Removal Tool
-HDR25	Replacement Hydrant Rod (1/4” Diameter)
-HDR38	Replacement Hydrant Ros (3/8” Diameter)
WK01	Minor Repair Kit (8600-8700)
WK02	Major Repair Kit (8600-8700)
WK03	Minor Repair Kit (8600-8700) 14-24” Wall
WK04	Major Repair Kit (8600-8700) 14-24” Wall
WK05	Minor Repair Kit (8604,8704,8706)
WK06	Major Repair Kit (8604,8704,8706) *
WK07	Repair Kit (8607,8707)
WK08	Replacement Vacuum Breaker (8607,8707)
WK09	Repair Kit (8609) 1-1/2” - 2” Old Style
WK10	Minor Repair Kit (8620,8625) Old Style
WK11	Major Repair Kit (8620,8625) Old Style
WK12	Repair Kit (8608) Old Style Pre 1971
WK13	Hydrant Box Repair Kit
WK14	Repair Kit (8900) 3/4” Previous 8610
WK15	Repair Kit (8900) 1” & 1-1/4”
WK16	Repair Kit (8900) 1-1/2’ & 2”
WK17	Repair Kit (8604-8606) Pre 1982
WK18	Hydrant Box Repair (Old Style)
WK19	Repair Kit (8601-8608) Current

8600 Exposed, Freezeless Wall Hydrant





8600-1-L6

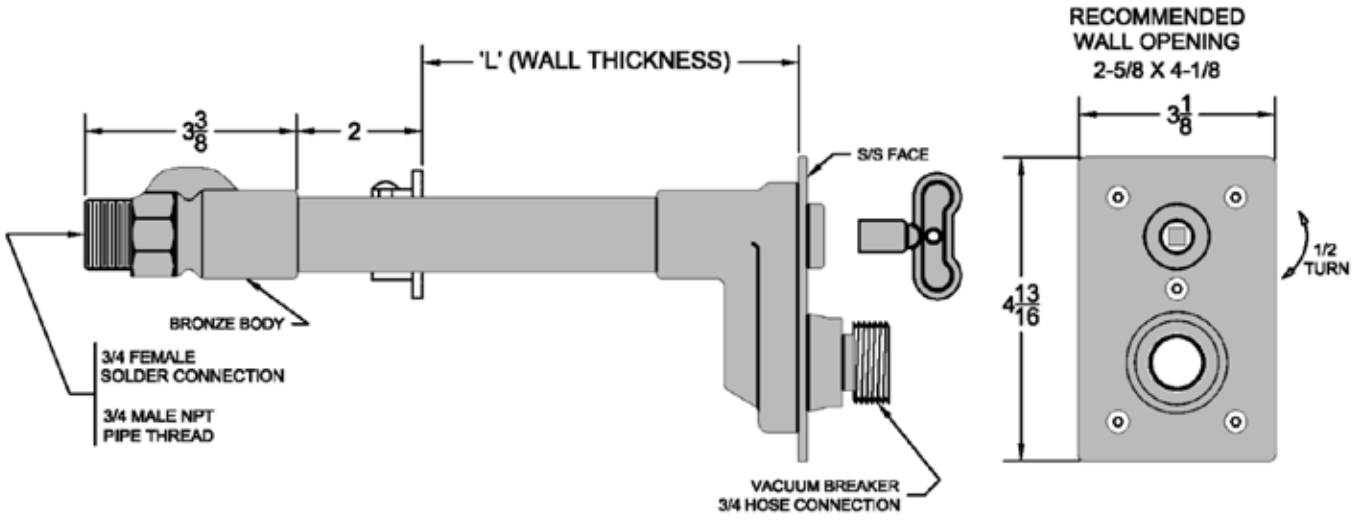
Regularly Furnished: Freezeless wall hydrant with compression closure valve, bronze casing, 3/4" hose connection, & anti-siphon backflow preventer. Chrome Plated Trim Standard. Maximum working pressure = 125 psi. Maximum temperature = 140º F.

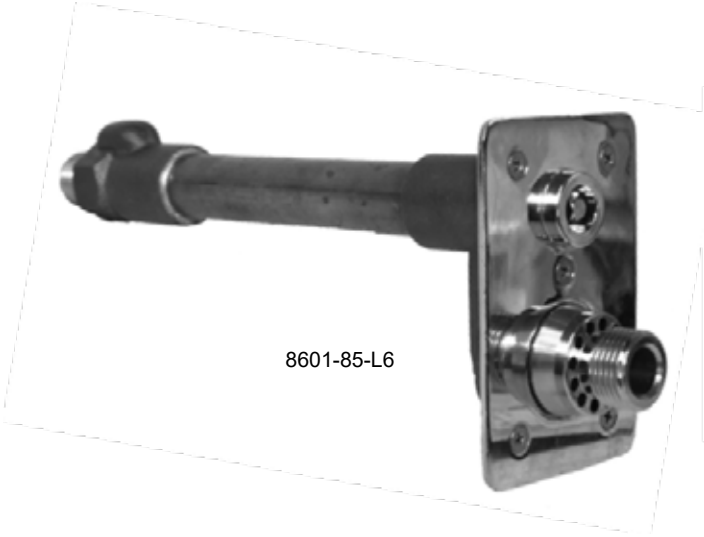
Wall Thickness	-1 Satin Finish Nickel Bronze Face	-85 Polished S/S Face	-3 Rough Bronze Head Chrome Plated Trim	Wt. Lbs.
4",6",8"	$ 1,997.00	$ 1,997.00	$ 1,838.00	4.2
10",12",14"	2,133.00	2,133.00	1,972.00	5.2
16",18"	2,325.00	2,325.00	2,169.00	5.8
20",22",24"	2,483.00	2,483.00	2,320.00	7.0

Suffix Options		
Suffix	Description	Add
HDR25	Replacement Rod	$ 199.00
WK02	Repair Kit (Less Rod)	996.00
87	Wall Clamp	N/C
88	3/4" Solder Inlet*	183.00
90	1" Hose Connection*	288.00

**Dimensions vary from illustration*

8601 Exposed, Freezeless Wall Hydrant







Regularly Furnished: Freezeless wall hydrant with 1/2 turn cartridge, bronze casing, 3/4" hose connection, & anti-siphon backflow preventer. Maximum working pressure = 125 psi. Maximum temperature = 140º F.

Wall Thickness	-85 Polished Stainless Steel Face	Wt. Lbs.
4",6",8"	$ 1,203.00	4.0
10",12",14"	1,277.00	4.8
16",18"	1,396.00	5.8
20",22",24"	1,512.00	7.0

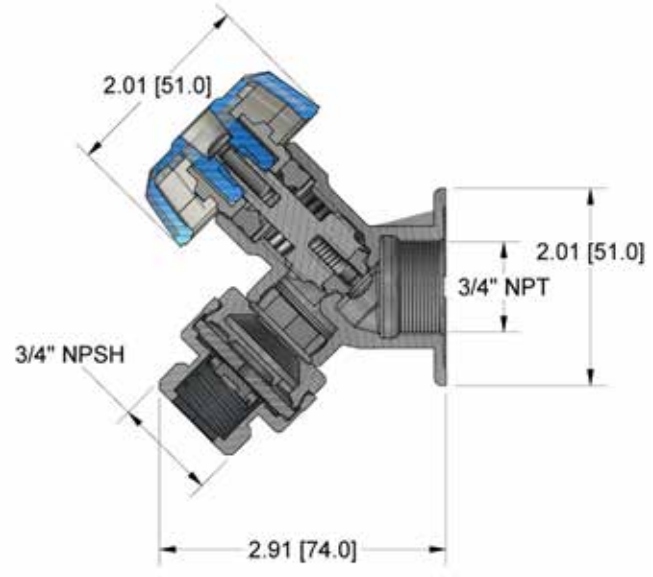
Suffix Options		
Suffix	Description	Add
CRT12	12" Cartridge Tool	$ 69.00
CRT24	24" Cartridge Tool	69.00
CRT36	36" Cartridge Tool	69.00
HDR25	Replacement Rod	199.00
WHRK2	Repair Kit	514.00
87	Wall Clamp	N/C
258	3/4" Solder inlet Elbow	N/C

8605 Exposed, Mild Temperature Hose Bibb

Regularly Furnished: Hose Bibb with compression closure valve, bronze casing, 3/4" hose connection , vacuum breaker, plastic wheel handle, "T" handle key and NPT threaded inlet connection. Rough bronze finish provided with brown wheel handle; rough chrome or polished furnished with clear blue wheel handle.Maximum working pressure = 125 psi. Maximum temperature = 140º F.



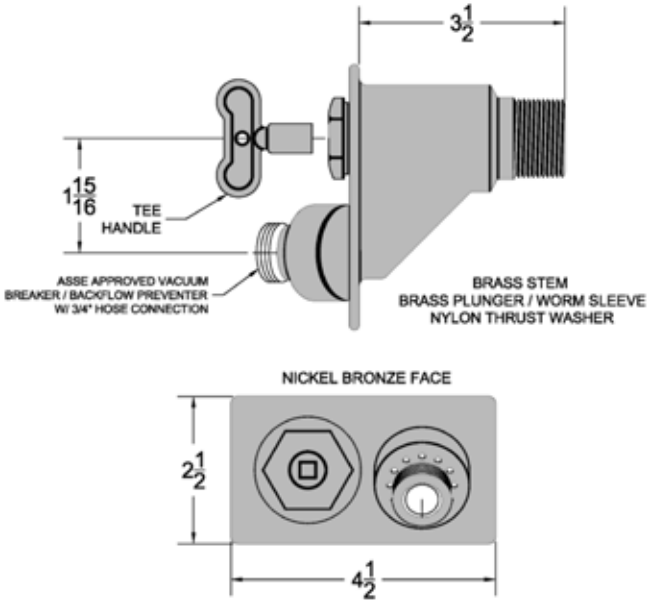
8605-PC



Model Number	-RC Rough Chrome Plated	-PC Polished Chrome Plated	-3 Rough Bronze	Wt. Lbs.
8605	$ 579.00	$ 612.00	$ 549.00	0.9

Female 3/4" NPT threaded inlet (3/4" x 1/2" Face Bushing provided)

8607 Exposed, Mild Temperature Wall Hydrant





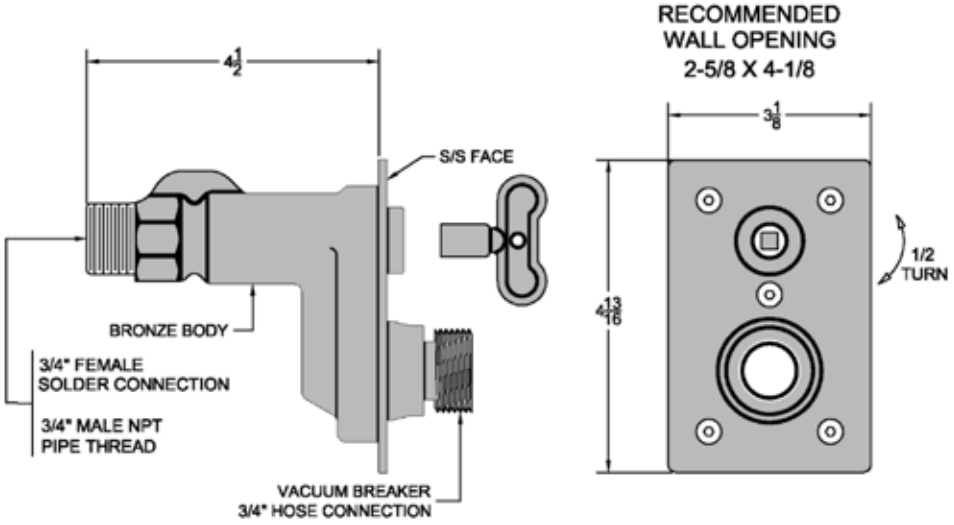
8607-1

Wall Thickness	-1 Satin Finish Nickel Bronze	-3 Rough Bronze w/ Chrome Plated Trim	Wt. Lbs.
Close Coupled	$ 1,506.00	$ 1,484.00	6.0

Suffix Options		
Suffix	Description	Add
WK07	Repair Kit (Less Rod)	$ 973.00
88	3/4" Solder Inlet*	183.00
90	1" Hose Connection*	288.00

Regularly Furnished: Mild Temperature wall hydrant with compression closure valve, 3/4" hose connection, & anti-siphon backflow preventer. Maximum working pressure = 125 psi.

8608 Exposed, Mild Temperature Wall Hydrant





8608-85

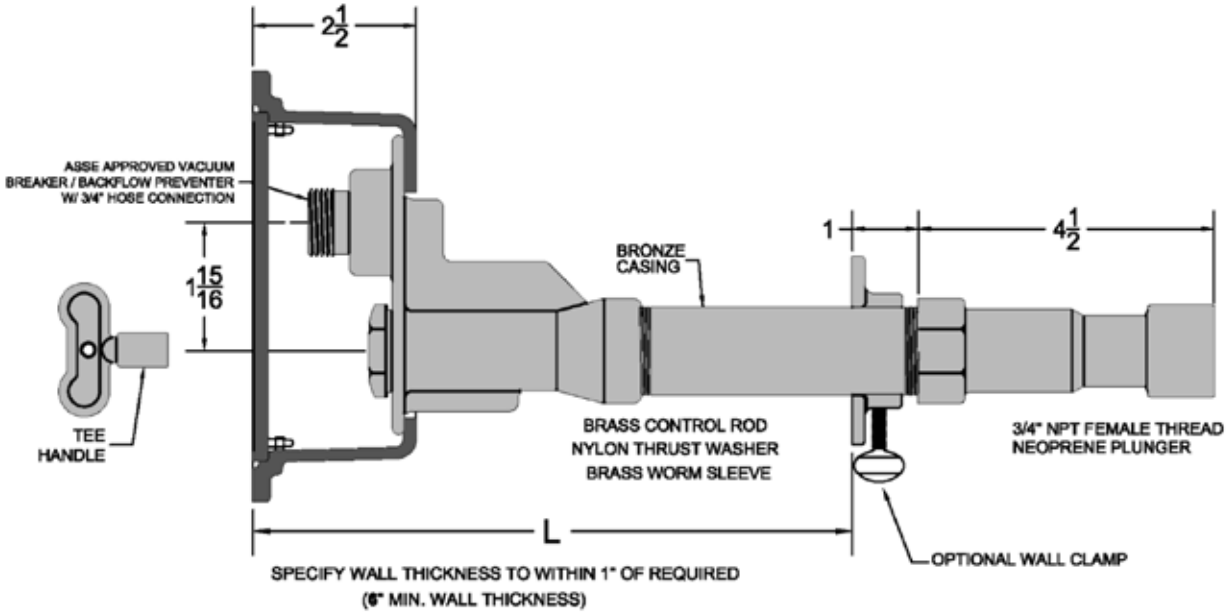
Wall Thickness	-85 Polished Stainless Steel Face	Wt. Lbs.
Close Coupled	$ 983.00	3.0

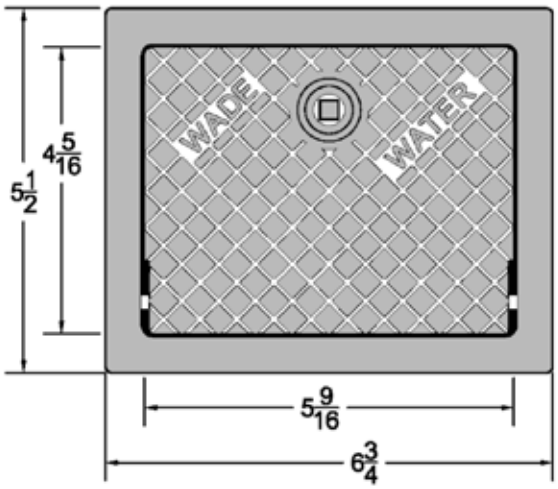
Suffix Options		
Suffix	Description	Add
CRT12	12" Cartridge Tool	$ 69.00
WHRK2	Repair Kit	514.00
88	3/4" Solder Inlet*	183.00
90	1" Hose Connection*	288.00

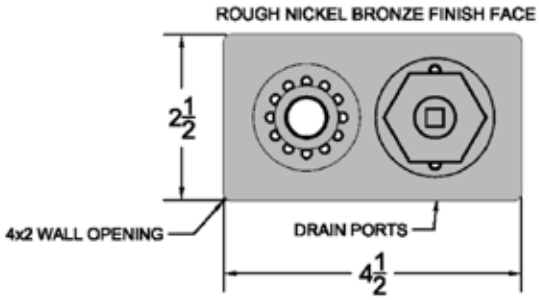
Regularly Furnished: Mild Temperature wall hydrant with 1/2 turn ceramic disc cartridge, 3/4" hose connection & anti-siphon backflow preventer. Maximum working pressure = 125 psi. Maximum temperature = 140° F

**Dimensions vary from illustration*

8700 Encased, Freezeless Wall Hydrant (Replaces 8600-175)









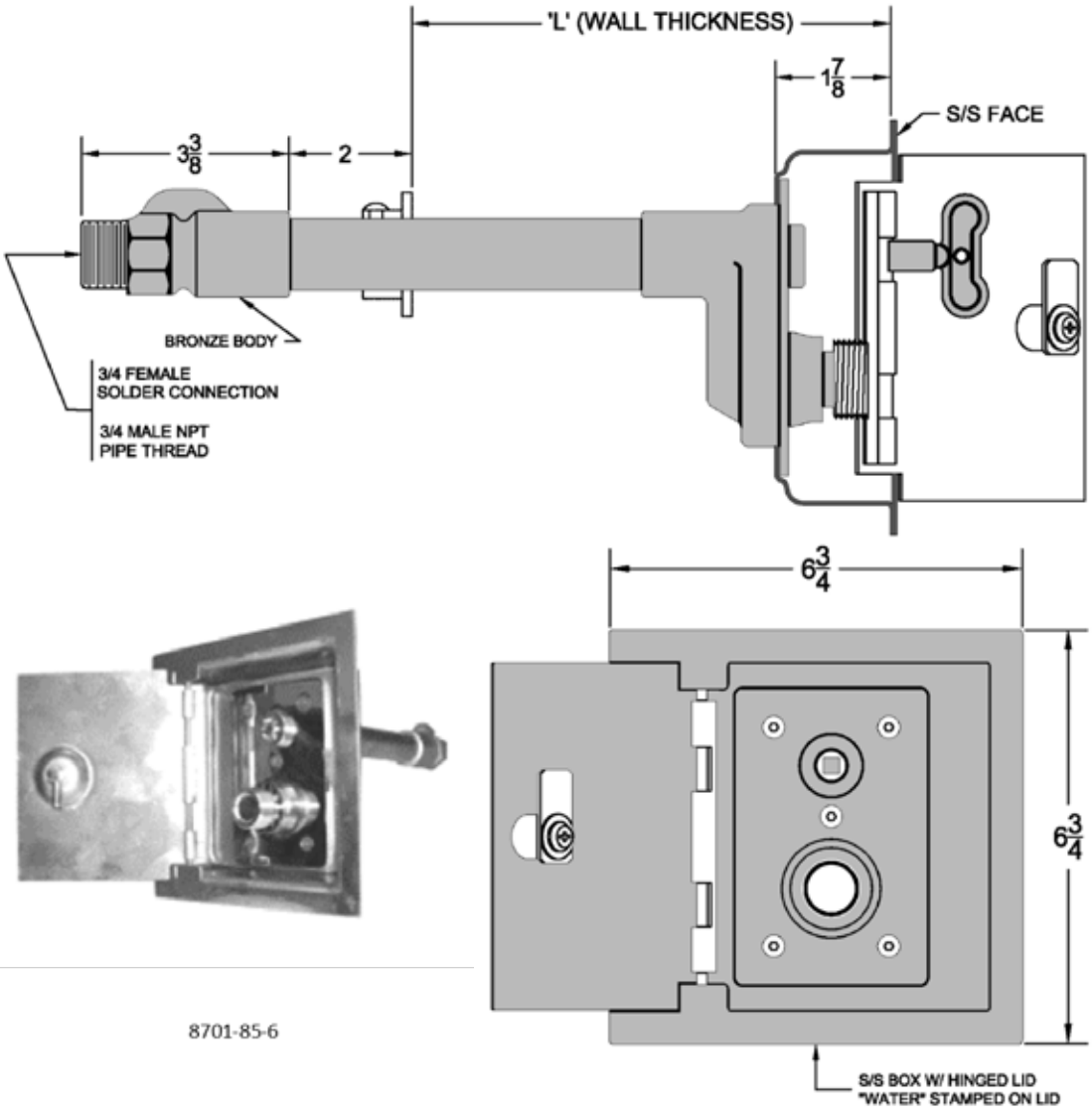
8700-1-6

Regularly Furnished: Freezeless wall hydrant with compression closure valve, bronze casing, 3/4" hose connection, box with hinged cover, & anti-siphon backflow preventer. Maximum working pressure = 125 psi. Maximum temperature = 140º F.

Wall Thickness	-1 Satin Finish Nickel Bronze	-85 Satin Finish Stainless Steel	Wt. Lbs.
6",8",10"	$ 3,784.00	$ 3,784.00	14.0
12",14",16"	3,895.00	3,895.00	15.0
18",20"	4,082.00	4,082.00	15.6
22",24",26"	4,225.00	4,225.00	16.8

Suffix Options		
Suffix	Description	Add
HDR25	Replacement Rod	$ 199.00
WK02	Repair Kit (Less Rod) 6-12	996.00
WK04	Repair Kit (Less Rod) 14-24	2,116.00
87	Wall Clamp	N/C
88	3/4" Solder Inlet*	N/C
90	1" Hose Connection*	288.00
92	Key Operated Cylinder Lock	256.00

8701 Encased, Freezeless Wall Hydrant



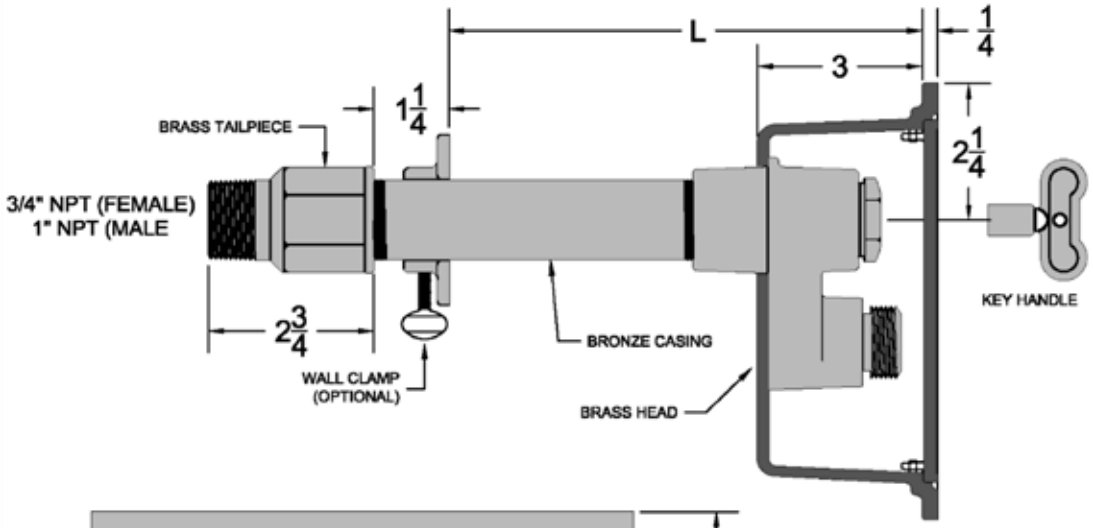
8701-85-6

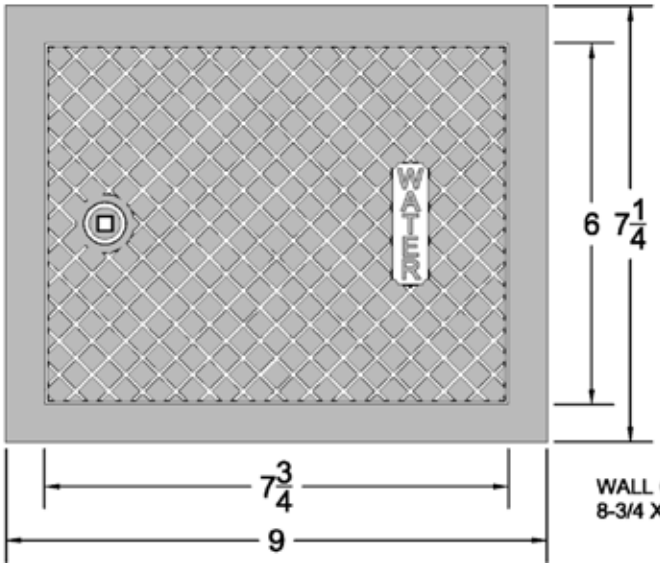
Regularly Furnished: Freezeless wall hydrant with 1/4 turn cartridge, bronze casing, 3/4" hose connection, box with hinged cover, & anti-siphon backflow preventer. Maximum working pressure = 125 psi. Maximum temperature 140º F.

Wall Thickness	-1 Satin Finish Nickel Bronze	-85 Satin Finish Stainless Steel	Wt. Lbs.
6",8",10"	$ 2,139.00	$ 2,139.00	5.0
12",14",16"	2,215.00	2,215.00	5.8
18",20"	2,336.00	2,336.00	6.8
22",24",26"	2,451.00	2,451.00	8.0

Suffix Options		
Suffix	Description	Add
CRT12	12" Cartridge Tool	$ 69.00
CRT24	24" Cartridge Tool	69.00
CRT36	36" Cartridge Tool	69.00
HDR25	Replacement Rod	199.00
WHRK2	Repair Kit	514.00
87	Wall Clamp	N/C
92	Key Operated Cylinder Lock	256.00
258	3/4" Solder inlet Elbow	183.00

8706 Encased, Dual Temperature, Freezeless Wall Hydrant







3/4" HOSE CONNECTION



8706-1-6

Wall Thickness	-1 Satin Finish Nickel Bronze	Wt. Lbs.
6",8"	$ 5,500.00	17.0
10",12",14"	5,652.00	18.0
16",18"	6,140.00	20.0
20",22",24"	6,445.00	22.0

Regularly Furnished: Freezeless, dual temperature wall hydrant with compression closure valve, bronze casing, 3/4" hose connection and box with hinged locking cover.

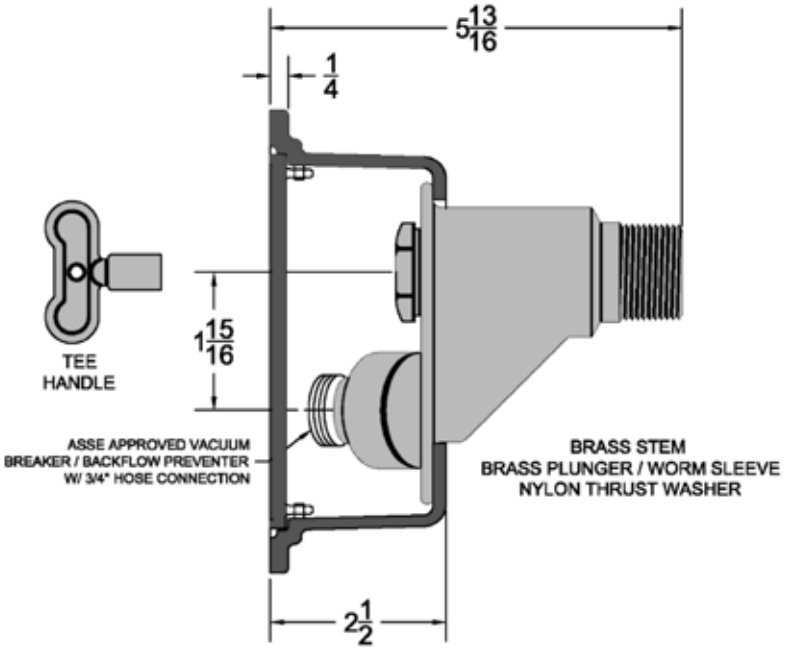
Suffix Options		
Suffix	Description	Add
HDR38	Replacement Rod	$ 401.00
WK06	Repair Kit (Less Rod)	1,278.00
87	Wall Clamp	N/C
88	3/4" Solder Inlet*	195.00
89	Vacuum Breaker	189.00
90	1" Hose Connection*	288.00
92	Key Operated Cylinder Lock	256.00

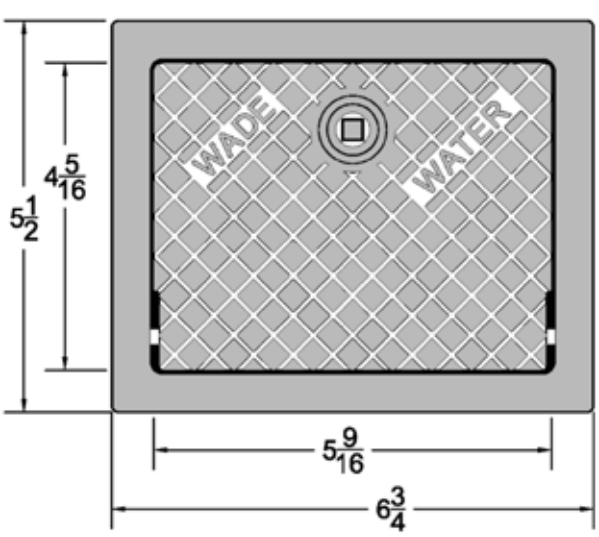
**Dimensions vary from illustration*

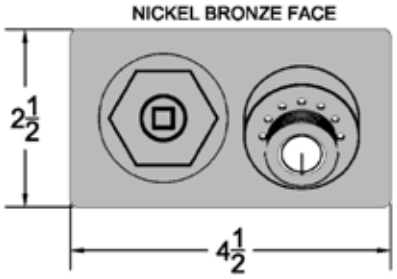
8707 Encased, Mild Temperature Wall Hydrant



8707-1







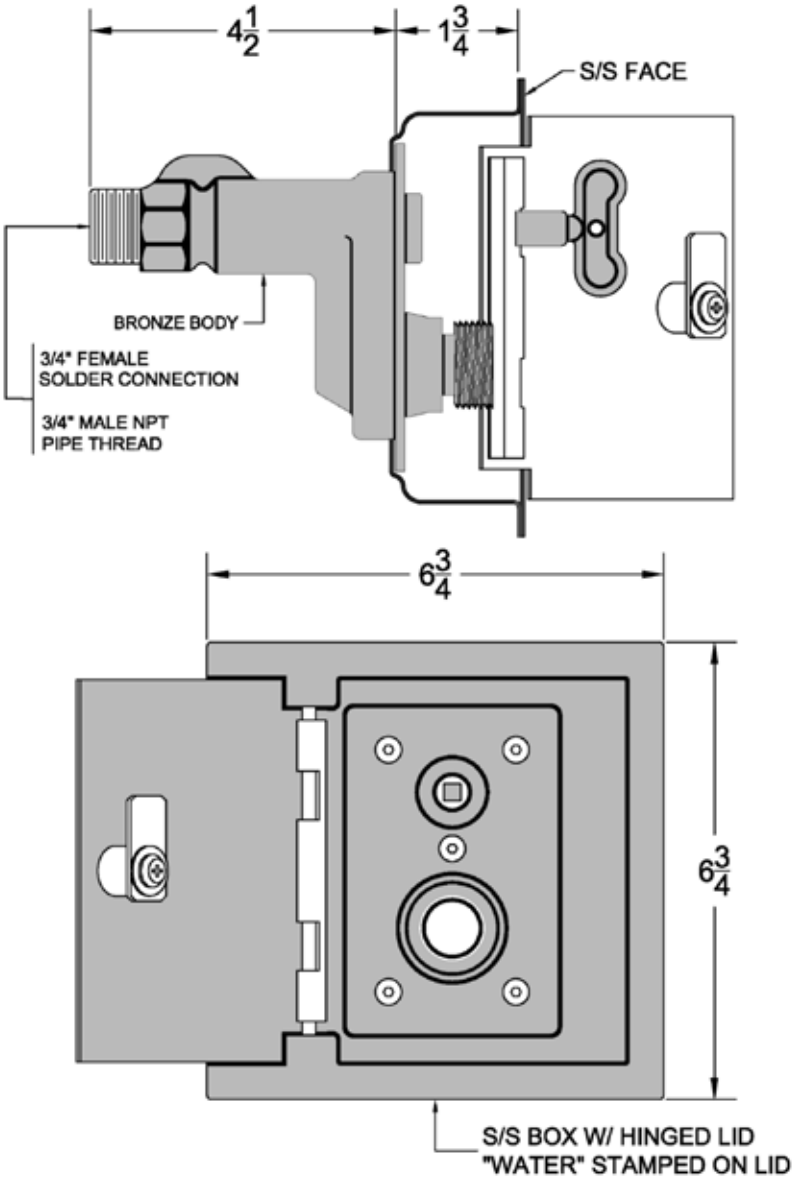
Wall Thickness	Box Material	Wt. Lbs.
	-1 Satin Finish Nickel Bronze	
Close Coupled	$ 3,408.00	14.0

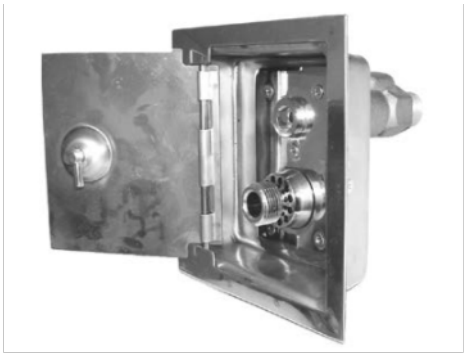
Suffix Options		
Suffix	Description	Add
WK07	Repair Kit	$ 973.00
88	3/4" Solder Inlet*	N/C
90	1" Hose Connection*	288.00
92	Key Operated Cylinder Lock	256.00

Regularly Furnished: Mild Temperature wall hydrant with compression closure valve, bronze casing, 3/4" hose connection, box with hinged cover, & anti-siphon backflow preventer.

**Dimensions vary from illustration*

8708 Encased, Mild Temperature Wall Hydrant





8708-85

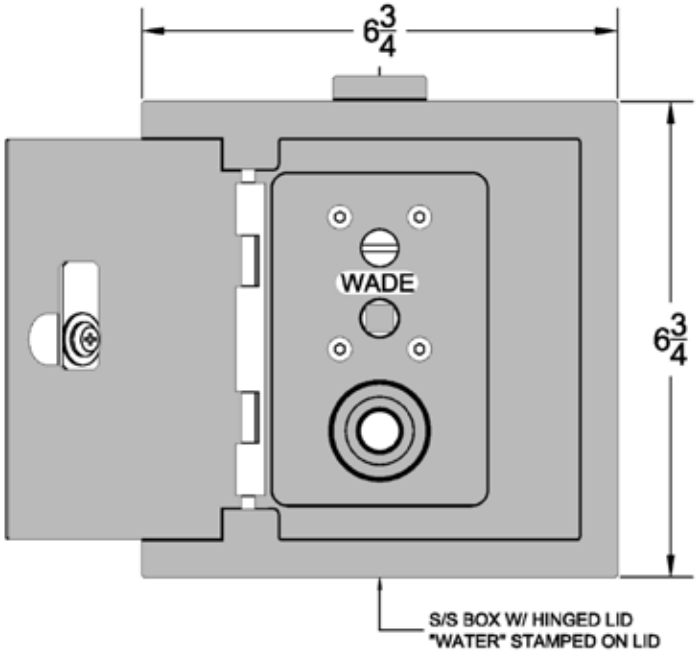
Wall Thickness	Box Material		Wt. Lbs.
	-1 Satin Finish Nickel Bronze	-85 Satin Finish Stainless Steel	
Close Coupled	$ 1,941.00	$ 1,941.00	4.0

Regularly Furnished: Mild Temperature wall hydrant with 1/4 turn cartridge, bronze casing, 3/4" hose connection, box with hinged cover, & anti-siphon backflow preventer.

Suffix Options		
Suffix	Description	Add
CRT12	12" Cartridge Tool	$ 69.00
WHRK2	Repair Kit	514.00
87	Wall Clamp	N/C
92	Key Operated Cylinder Lock	256.00
258	3/4" Solder inlet Elbow	183.00

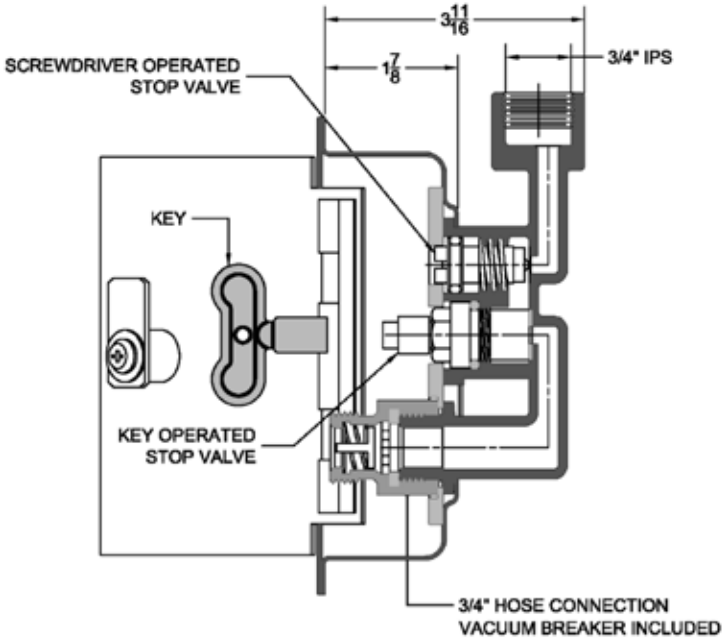
**Dimensions vary from illustration*

8709 Encased, Mild Temperature, Narrow Wall Hydrant





8709-85

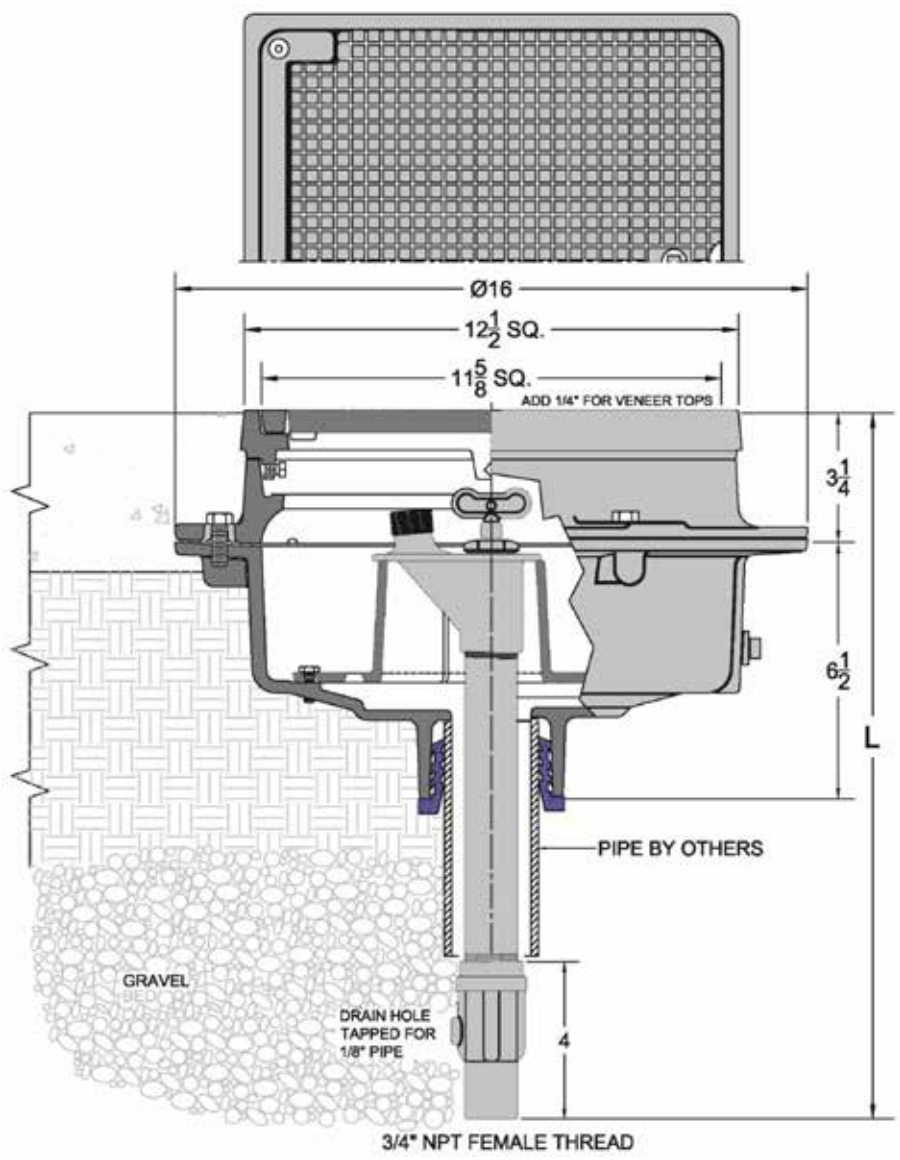


Wall Thickness	-85 Satin Finish Stainless Steel	Wt. Lbs.
Close Coupled	$ 1,726.00	3.0

Suffix Options		
Suffix	Description	Add
RK	Repair Kit	$ 723.00
92	Key Operated Cylinder Lock	256.00

Regularly Furnished: Mild Temperature, narrow wall hydrant with 1/4 turn cartridge, bronze casing, 3/4" hose connection, box with hinged cover, & anti-siphon backflow preventer.

8801 Encased, Freezeless Ground Hydrant (Replaces 8601-XH)





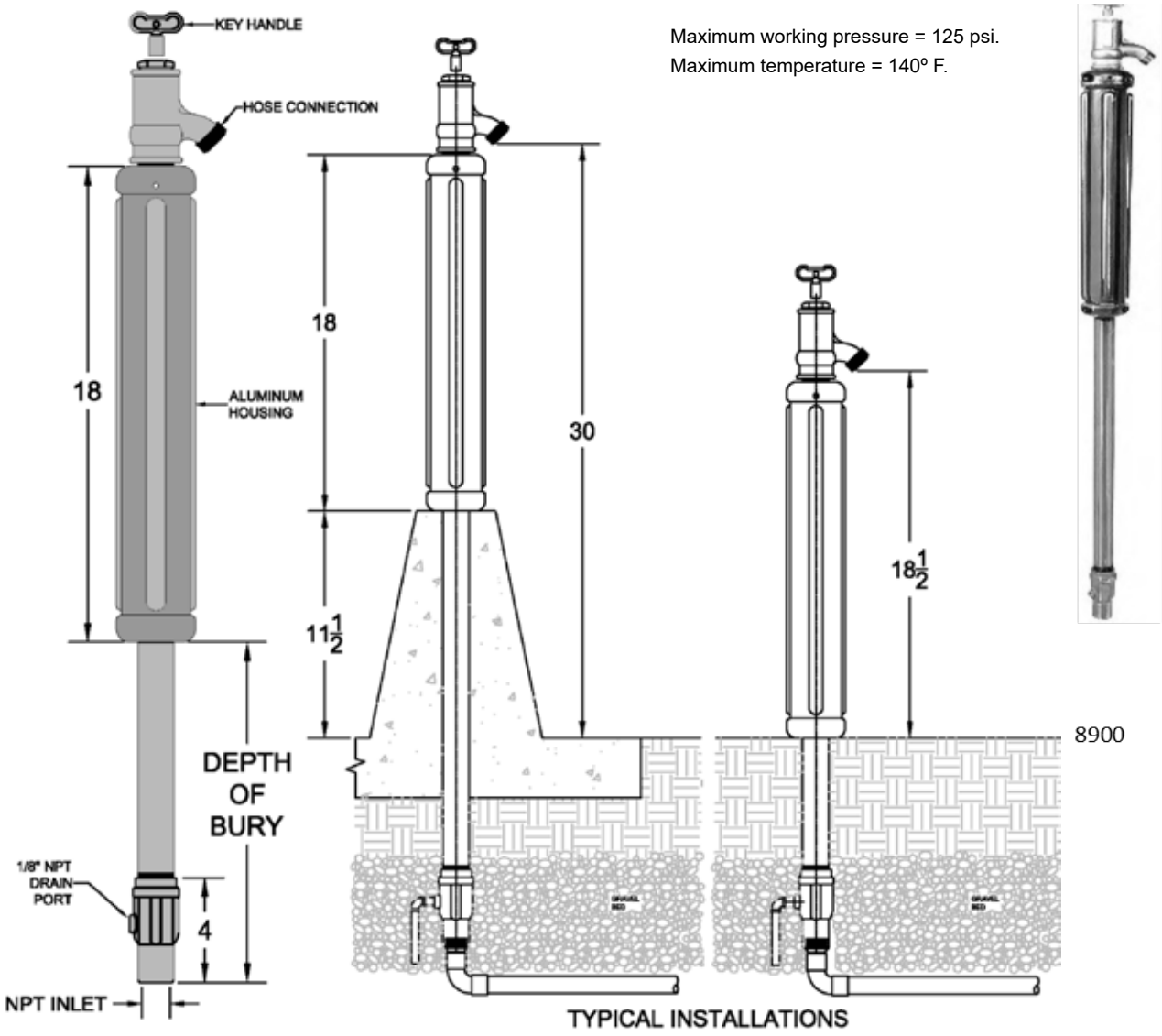
8801-12

Bury Depth	-12 Ductile Iron Box & Face	-1 Ductile Iron Box with Satin Nickel Bronze Veneer Top	Wt. Lbs.
2'	$ 5,706.00	$ 9,809.00	81.4
3'	5,936.00	10,038.00	83.4
4'	6,103.00	10,204.00	85.4
6'	6,312.00	10,412.00	89.4

Suffix Options		
Suffix	Description	Add/Deduct
HDR38	Replacement Rod (Per Ft)	$ 199.00
WK14	Repair Kit (Less Rod)	992.00
39	Galvanized Box	1,208.00
83	Special Marking	210.00
89	Vacuum Breaker	189.00
90	1" Hose Connection*	288.00
92	Cylinder Lock	256.00
97	Galvanized Casing (Deduct)	(486.00)
109	Drain Port in Box (Specify Size)	239.00

Regularly Furnished: Freezeless ground hydrant with compression closure valve, bronze casing, 3/4" hose connection, & heavy duty, flanged box with hinged cover. Maximum working pressure = 125 psi. Maximum temperature = 140º F.

8900 Post Hydrant (Replaces 8610)



Maximum working pressure = 125 psi.
Maximum temperature = 140º F.

For Vehicular Traffic Areas
Concrete Bollard May be Desirable

For Pedestrian Traffic Areas

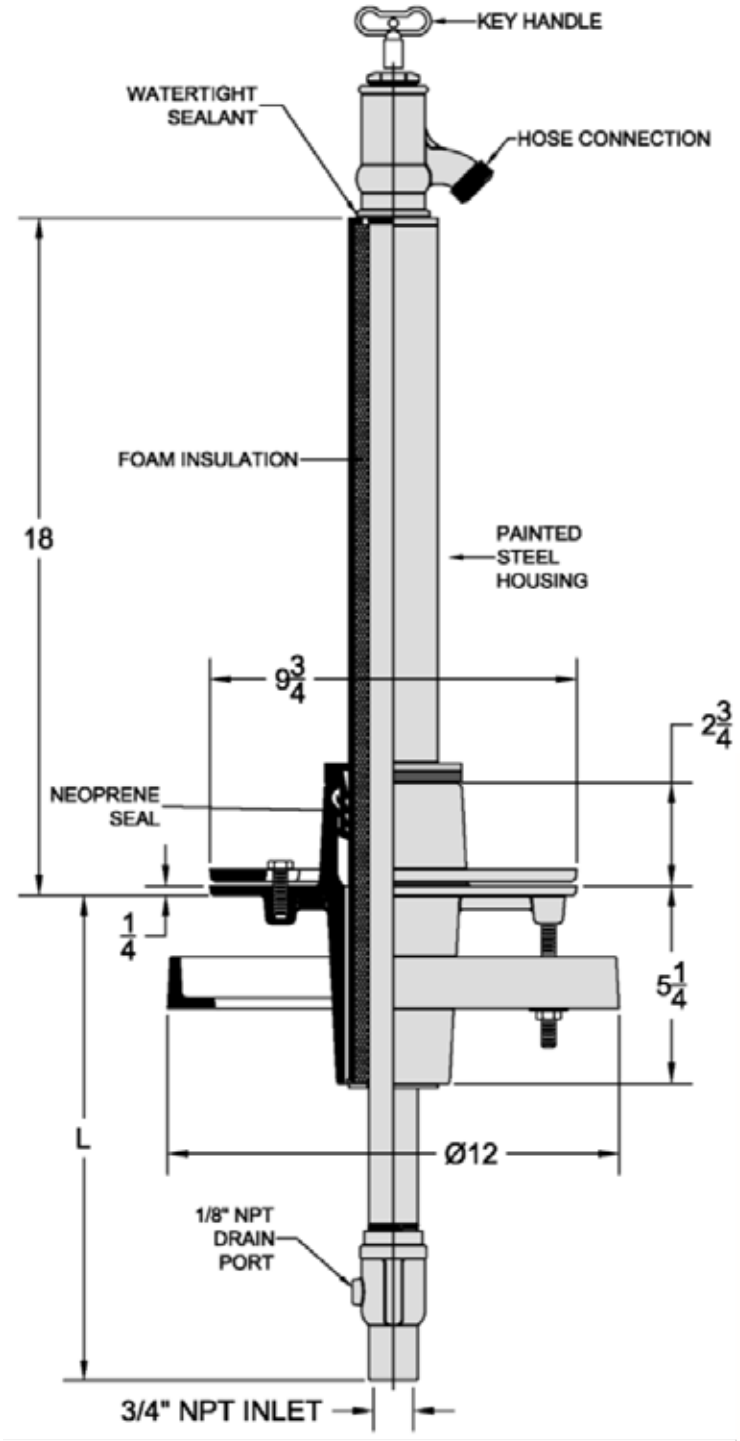
Bury Depth	Hydrant Inlet / Hose Connection Size (NPT/NPSH)		
	3/4"	1-1/2"	2"
3'	3,497.00	10,614.00	13,028.00
4'	3,723.00	11,298.00	13,705.00
5'	3,955.00	11,695.00	14,104.00
6'	4,191.00	12,083.00	14,494.00
8'	4,693.00	12,989.00	15,397.00

Suffix Options			
Suffix	Description	Size	Add
HDR38	Replacement Rod (Per Ft.)	3/4"-1"	$ 199.00
HDR43	Replacement Rod (Per Ft.)	1-1/4"-2"	303.00
WK14	Repair Kit (Less Rod)	3/4"	992.00
WK15	Repair Kit (Less Rod)	1"-1-1/4"	2,469.00
WK16	Repair Kit (Less Rod)	1-1/2"-2"	3,814.00
89	Vacuum Breaker *	3/4"	189.00
131	Wheel Handle *	3/4"-1"	401.00
		1-1/4-2"	786.00

Regularly Furnished: Non-freeze post hydrant with cast aluminum protective housing, bronze head, brass casing, bronze valve and brass internal operating parts.

8900-R Roof Hydrant

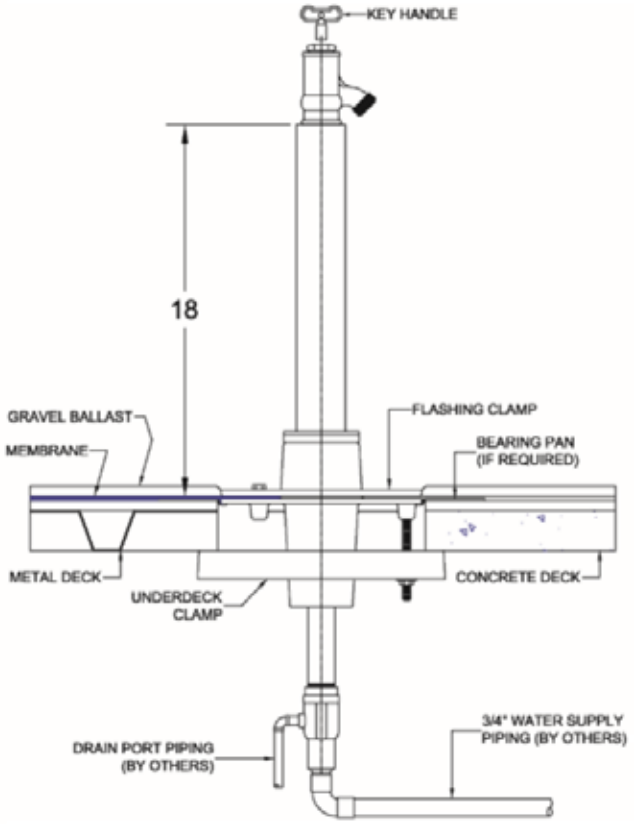
Regularly Furnished: Non-freeze post roof hydrant with painted steel protective housing, bronze head, bronze valve, brass internal operating parts, 3/4" hose connection, painted cast iron roof deck housing, membrane clamp and neoprene seal.



L Depth	Standard Painted Housing	-97 Galvanized Housing	Wt. Lbs.
2'	$ 4,958.00	$ 5,606.00	26.0
3'	5,184.00	5,831.00	28.0
4'	5,412.00	6,060.00	30.0

Suffix Options		
Suffix	Description	Add
HDR38	Replacement Rod (Per Ft.)	$ 199.00
WK14	Repair Kit (Less Rod)	992.00
52	Bearing Pan / Sump Receiver	353.00
53	Under-Deck Clamp	205.00
89	Vacuum Breaker *	189.00
131	Wheel Handle * 3/4"	401.00

Maximum working pressure = 125 psi.
Maximum temperature = 140° F.



INDEX		
Application	**Top Size**	**Product Recommendation**
Round Floor Sinks, General Purpose	8"	9000, 9010
	12	9040
Square Floor Sinks, General Purpose	8 x 8"	9110
	12 x 12"	9130, 9140, 9150
	16 x 16"	9160, 9170
Rectangular Floor Sinks, General Purpose	8 x 4"	9200
Flushing Rim Floor Sinks	10"	9300

How to Specify

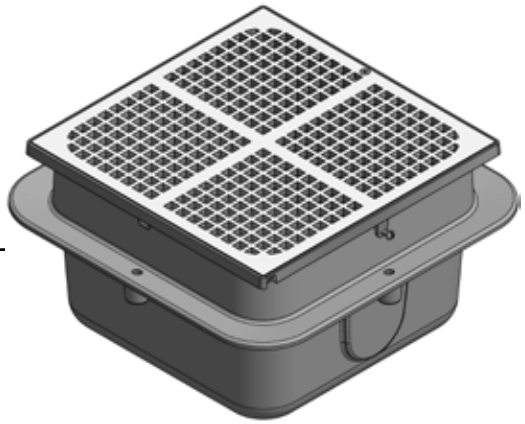
9140-1-3NH-24

Series Number (Required)

Finish & Materials (Required)

Connection Type & Size (Required)

Miscellaneous (As Needed)



Selection of Top (Based on Anticipated Traffic)

Load Classification: The maximum anticipated traffic (loading) which will pass over the cover. Select the top type which will support that load. Each cleanout shown in the section has a description listing the type of load it will take. The categories listed are for various top in respect to grate loading. The load classifications are in accordance with the American National Standards ASME A112.6.7 Enameled and Epoxy Coated Cast Iron and PVC Sanitary Floor Sinks. ASME Ratings are as follows in Table 1:

Table 1	
Load Classification ASME A112.6.1M	**Safe Live Load**
Light Duty (L.D.)	Under 2,000 Lbs.
Medium Duty (M.D.)	2,000 - 4,999 Lbs.
Heavy Duty (H.D.)	5,000 - 7,499 Lbs.
Extra Heavy Duty (X.H.)	7,500 - 10,000 Lbs.
Special Duty (S.D.)	Over 10,000 Lbs

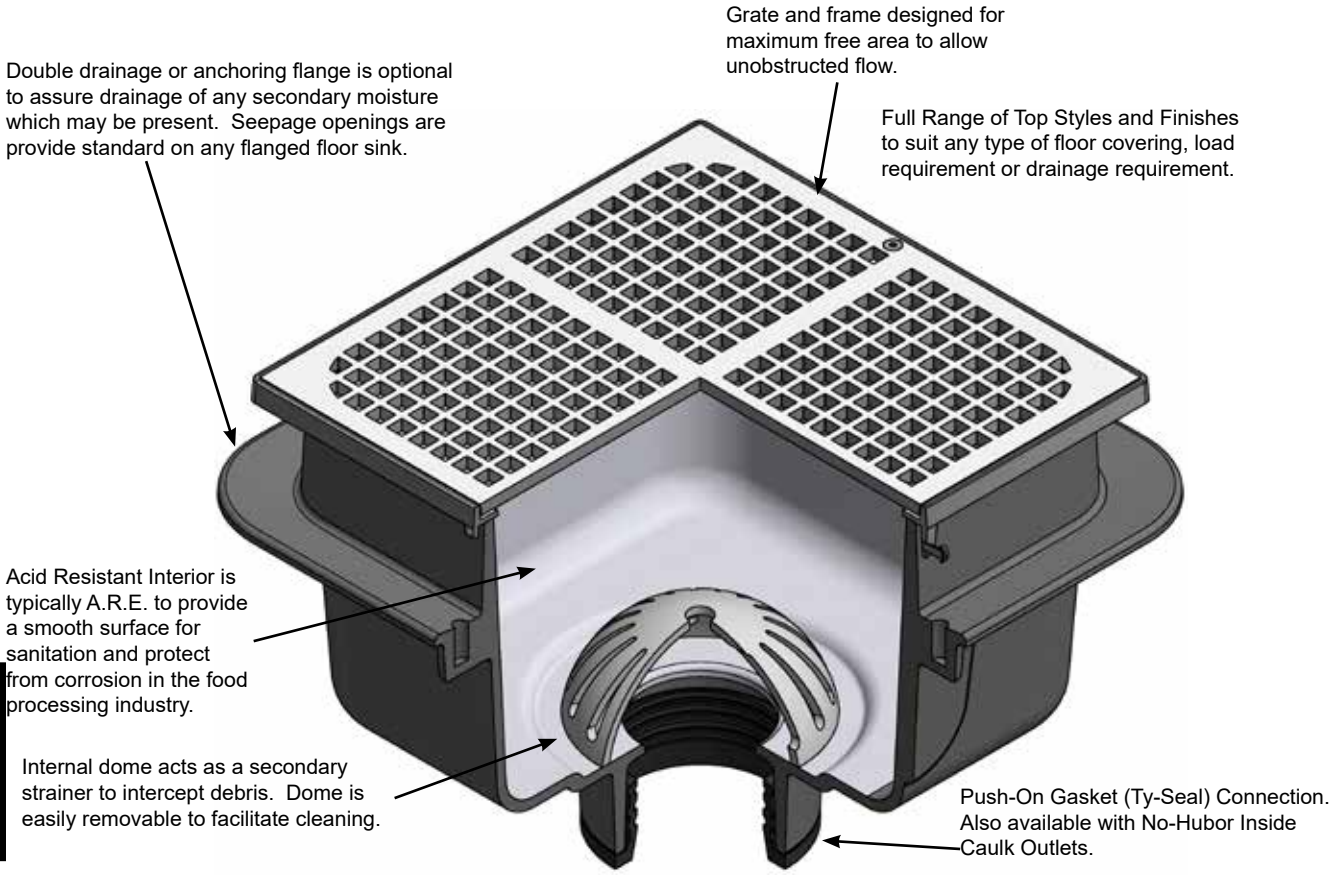
General Product Information

9140-1-24 (12x12x6 A.R.C Floor Sink w/ Nickel Bronze Top and Anchor Flange)

Material Selection:

A.R.E. Acid resistant porcelain enamel is a substantially vitreous inorganic coating bonded to cast iron at a extreme temperature above 800º F. This coating offers exceptional acid, abrasion and wear resistance. It is extremely hard and is the preferred coating for sanitation in drainage applications.

A.R.C. Acid resistant epoxy coating is a baked-on powder finish which offers a smooth, hard, high gloss appearance. It offers high impact resistance and excellent life expectancy in all drainage applications.





940-1-3TY-24

Options:

(-15) Half Grates, (-16) Three quarter grates or (-17) Grates w/ Center hole are designed to receive one or more drainage lines. The open portion can be situated under equipment while the adjacent grate allows for pedestrian traffic.

(-EF4) (-EF6) Round funnels and (-EG8) Elongated funnels when attached to the grate allows for indirect waste to be intercepted and contained.

(-27) Sediment buckets are commonly used in food prep areas which generate large amounts of solids such as peelings, scraps or pits.

Selection & Placement

Sanitary floor sinks are used as indirect wates receptors from compartment sinks, kettles and condensate lines and are primarily used for inside locations where the flow rate into the drain can be anticipated. General requirements are to ASME A112.6.7 Enameled and Epoxy Coated Cast Iron and PVC Plastic Sanitary Floor Sinks.

Floor sinks are required by plumbing codes in facalities where food is handled or processed such as restaurants, cafeterias, markets and processing plants. Floor sinks are essential in locations where sanitation is paramout for health safety such as hospitals, clinics, convalescent homes, dairies, creameries, and breweries. These areas must be sanitary because the function in which they operate is directly associated with the health and well being of people.

Sizing and Location

For most indoor locations, grate free area must be sufficient to handle the anticipated flow. The grate free area is defined as “the total area of the drainage openings in the grate.”

The drain outlet should be sized large enough so that it will safely pass the maximum flow through the grate, without creating water buildup. A general rule for free area requirements is to provide 1.5 time the transverse area of the connecting pipe (see Table 1).

Table 1

Nominal Pipe Size	Transverse Area of Pipe (Sq.In.)	Minimum Grate Free Area (Sq. In.)
1-1/2”	2.04	3.06
2”	3.14	4.71
3”	7.06	10.59
4”	12.60	18.90
5”	19.60	29.40
6”	28.30	42.45
8”	50.25	75.38

Top Selection (Based on Traffic Load)

Establish the maximum anticipated traffic (loading) which will pass over the grate and select the grate type which will support that load. Each drain shown in the floor sink section has a description listing the type of load it will take. The categories listed are for various drains in respect to grate loading.

The load classifications are in accordance with the American National Standards ASME A112.6.3 Floor and Trench Drains. ASME Ratings are as follows in Table 2:

Table 2

Load Classification ASME A112.6.3	Safe Live Load
Light Duty	Under 2,000 Lb.
Medium Duty	2,000 - 4,999 Lb.
Heavy Duty	5,000 - 7,499 Lb.
Extra Heavy Duty	7,500 - 10,000 Lb.
Special Duty	Over 10,000 Lb.

Selection of Top Material (Finished Areas)

Many finished floor areas are subject to increased loadings. Examples are convention centers, equipment showrooms and industrial plants. Medium duty cast iron grates can be specified with A.R.E. finish. Nickel bronze tops are for areas where a more ascetic finish is desired. Also available are stainless steel tops with satin finish and various load ratings.

Top Shape

Round, square or rectangular styles are available to blend with all types of construction and floor patterns. The round top is the most flexible type since it can be easily oriented to most floor patterns.

Body Selection

Body size and depth are determined by the anticipated use. Where large flow rates are required, bodies with larger capacities should be considered. Body depth is proportioned to the top size. Many Wade floor sinks can be specified with various body depths. A deeper body is desirable when unusually large amounts of water are to be drained or an extra-large sediment bucket is required. While many applications only require the shallower depth bodies (6” deep), increased capacities with 8” or 10” depths should be considered. In indirect waste applications, it is important to select a body depth to prevent splashing. The need for debris capture may require a high capacity sediment bucket, thus a deeper body. Round bodies are easier to clean than square bodies; however all Wade floor sinks are designed with large radius corners to facilitate cleaning.

The need for anchoring fllanges or seepage control must be considered for the body selection. The flange securely anchors the body in concrete. Flanged bodies are provided with openings adjacent to the flange which controls the seepage that occurs due to the normal separation between the concrete and the floor sink body. Where waterproof membranes are specified the flanged bodies are provided with a optional clamp device to securely fasten the membrane. Flanged sinks shoul be used in floors located above grade, regardless if a waterproofing membrane is specified.

Selection Based on Floor Finish



The Suffix “E” designates a wide flange that can be furnished on certain Wade floor sinks. This flange receives the membranes and coatings of a waterproof floor covering system. These coverings are thin coatings which are installed in a series of trowel coats. The covering forms its own membrane, flashing and durable traffic surface. The wide flange is regularly furnished 4” wide. The usual covering is approximately 3/16” thick and may be applied over any subsurface such as concrete, gypsum or wood decks. This type of covering is particularly adaptable to decks which are used for recreational purposes, balconies, area ways, plazas, sun decks, floors and corridors.

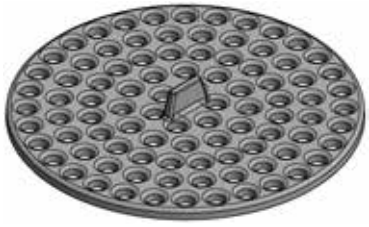
When a “E” flange is required on drains other than those shown in the catalog, the Suffix “E” must be used with the model number. The flange will be 4” wide (minimum) with a 3/16” lip regularly furnished. If the waterproof deck covering is greater or less than 3/16”, the lip dimension must be specified or the drain has to be set at the proper elevation by the plumbing contractor to compensate for these differences. Roughing dimensions of the body must be adjusted accordingly. The drain body should be set low enough to permit “dimpling” of the area surrounding the drain.

Selection of Internal Strainers and Sediment Buckets

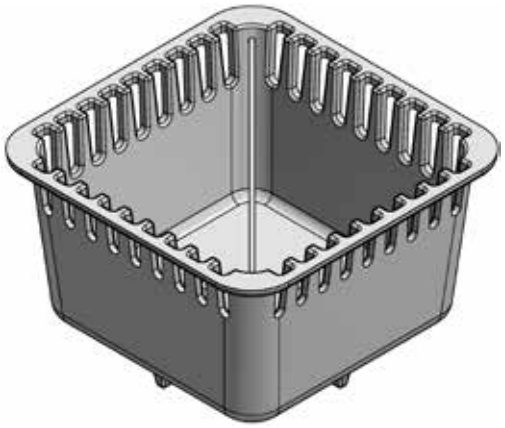
Strainers and sediment buckets for floor sinks are furnished in light weight corrosion resistant cast aluminum. These lighter weight components are preffered to reduce the chance of irreparible dammage caused by dropping the component onto the porcelain finish. Wade floor sinks are furnished with dome bottom strainers because the hemispherical shape reduces splashing and the larger open area assures maximum flow. Flat bottom strainers are desired only when used in conjunction with a sediment bucket where there is insufficient space to accomodate the dome type. The optional flat strainer protects the drain from debris when the bucket is removed for cleaning.



Dome Bottom Strainer



Flat Bottom Strainer



Aluminum Sediment Bucket

Top Grates and Covers

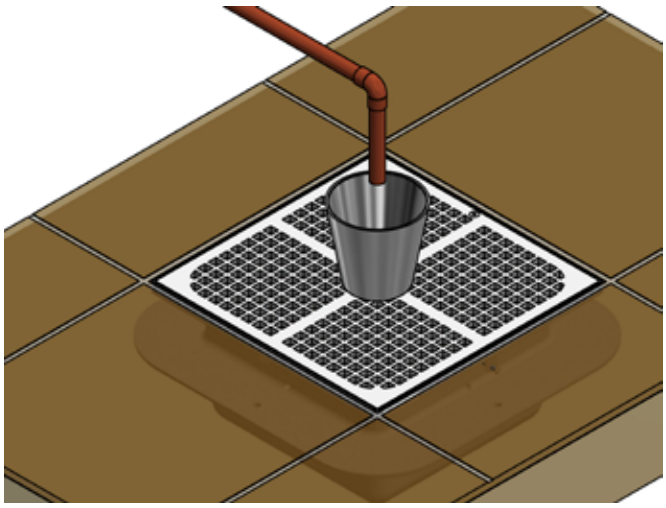
(Unfinished Areas)
Drains located in heavy traffic areas should be specified with heavy duty ductile iron grates. In areas where shock loads are anticipated, a ductile iron grate is more desirable in lieu of cast iron. Cast ductile iron is acceptable for most unfinished areas such as warehouses, loading docks, boiler rooms and similar areas. For heavy traffic areas, A.R.C. coated bodies and tops are recommended in lieu of A.R.E. as this coating has high impact resistance. (See Materials and Finishes Section).

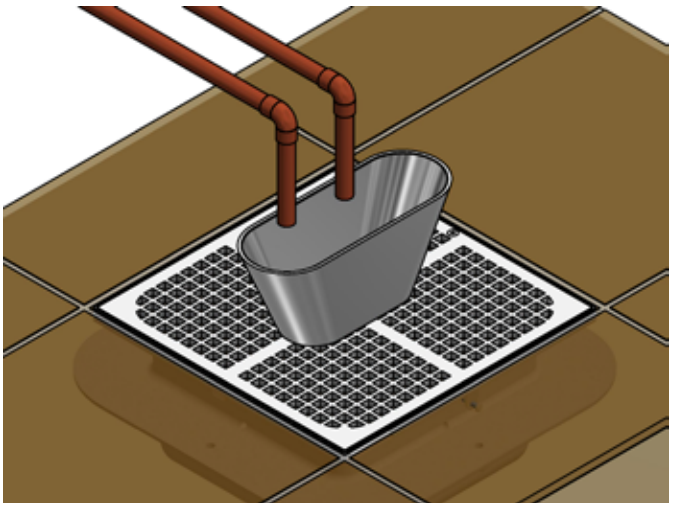
(Finished Areas)
Most drains are available with nickel bronze, bronze or stainless steel tops to match the surrounding trim in finished areas. Usually finished areas require light duty or medium duty tops. Some of these types are available in traffic load ratings—Consult with local representatives for availability.

(Non-Traffic Areas)
When drains are installed in areas not subject to pedestrian or other traffic, these are usually indirect waste receptor drain applications. These styles are designed to receive one or more drainage lines. The open portion can be situated under equipment while the adjacent grate allows for pedestrian traffic. Half, Three Quarter, Center Hole OR depressed grate options should be considered.

Funnels

(-EF4 / -EF6) Round funnels and (-EG6 / -EF8) Elongated funnels when attached to the grate allows for indirect waste to be intercepted and contained. The advantage of this type of drain is that the funnel prevents splashing of the discharged waste, while the exposed adjacent grate functions as a floor drain. The funnel can be centered on the grate or placed in any other desired location on the grate top surface. Round funnels are used for single pipe discharge. Elongated funnels are used for mutiple pipe discharge.

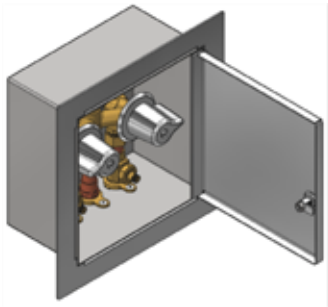




Special Application Floor Sinks

Flushing rim drains are designed for use in areas where frequent flushing and cleanliness is required. Drain is illustrated with an optional (-WCB) water supply control box.

The Wade 9300 flushing rim floor sink is standard with a hinged perforated grate for easy cleaning; available with a wide slot grate (-B) if desired.

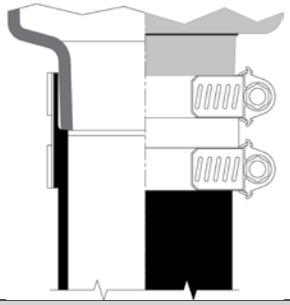
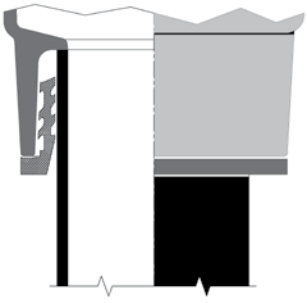
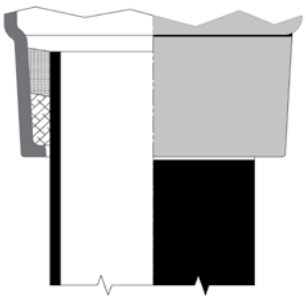
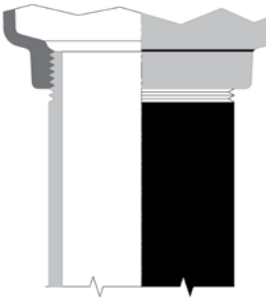


(-WCB) Water Control Box

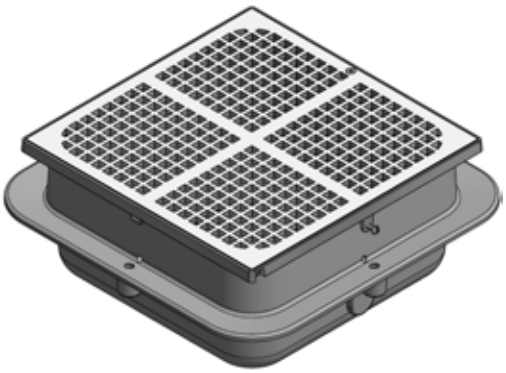
9300-3TY



Can Wash Drains (See Floor Drain Section)
The 1990 Can Wash Drain provides a 3 to 6 GPM controlled spray to efficiently clean refuse containers. Unit has a 1/2" NPT pipe connection for either hot, cold, or mixed water supply,

Outlet Variations			
			
(NH) No-Hub	**(TY) Push-On**	**(IC) Inside Caulk**	**(IPS) Female Threaded**
No-Hub Connection is achieved by butting cast iron soil pipe, plastic pipe or steel pipe to the bottom of the drain and securing with a joint clamp. (Clamp furnished by others).	The Wade Push-On connection is a unique labor saving gasketed joint designed to simply push on the stub end of the pipe. It can be used on C.I. Soil Pipe, plastic pipe or steel pipe. (Lubrication is required).	Often specified where drain body is positioned on pipe, bottom of outlet is sealed with oakum and connection is then completed according to local plumbing codes.	Iron Pipe Threaded connection is an old industry standard. The female (NPT) threaded outlet is often specified on industrial and institutional applications.

Options and Variations - Specified as Suffix added to the Series Number



(-1) Full Grade (Nickel Bronze)



(-1-EF4) w/ 4” Diameter Funnel (Nickel Bronze)



(-1-15) Half Grade (Nickel Bronze)



(-1-EF6) w/ 6” Diameter Funnel (Nickel Bronze)



(-1-16) Three Quarter Grate (Nickel Bronze)



(-1-EG8) w/ Elongated Funnel (Nickel Bronze)



(-1-17) Grate with Center Hole (Nickel Bronze)



(-1-18) Solid Cover (Nickel Bronze)

Options and Variations - Specified as Suffix added to the Series Number



(-64) Full Grate (A.R.E.)



(-85) Full Grate (304 Stainless Steel)



(-64-15) Half Grate (A.R.E.)



(-85-15) Half Grate (304 Stainless Steel)



(-64-16) Three Quarter Grate (A.R.E.)



(-85-16) Three Quarter Grate (304 Stainless Steel)

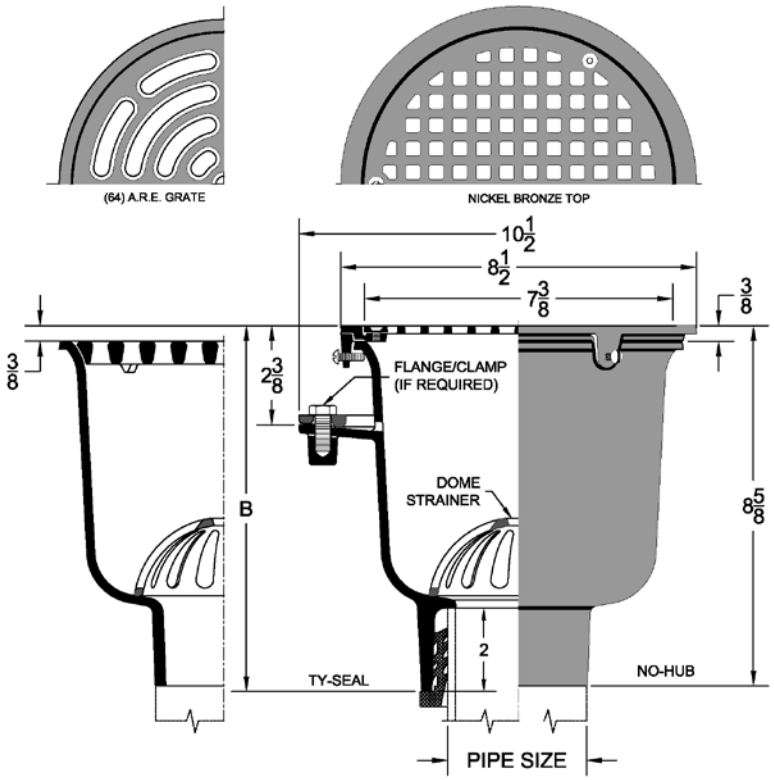


(-64-17) Grate with Center Hole (A.R.E.)



(-85-17) Grate w/ Center Hole (304 S/S)

9010 | 8" Round A.R.E. Floor Sink - 6" Deep Sump Depth





9010-1-24-3TY

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	64 A.R.E. Cast Iron	85 Stainless Steel
2,3,4"	$ 2,441.00	$ 1,820.00	$ 5,571.00
Free Area (Sq.In.)	18.3	14.2	18.3
Wt.Lbs.	17.6	18.0	17.6
ASME Load Rating	Light Duty	Medium Duty	Medium Duty

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-7/8	5-3/4	5-5/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC	N/C

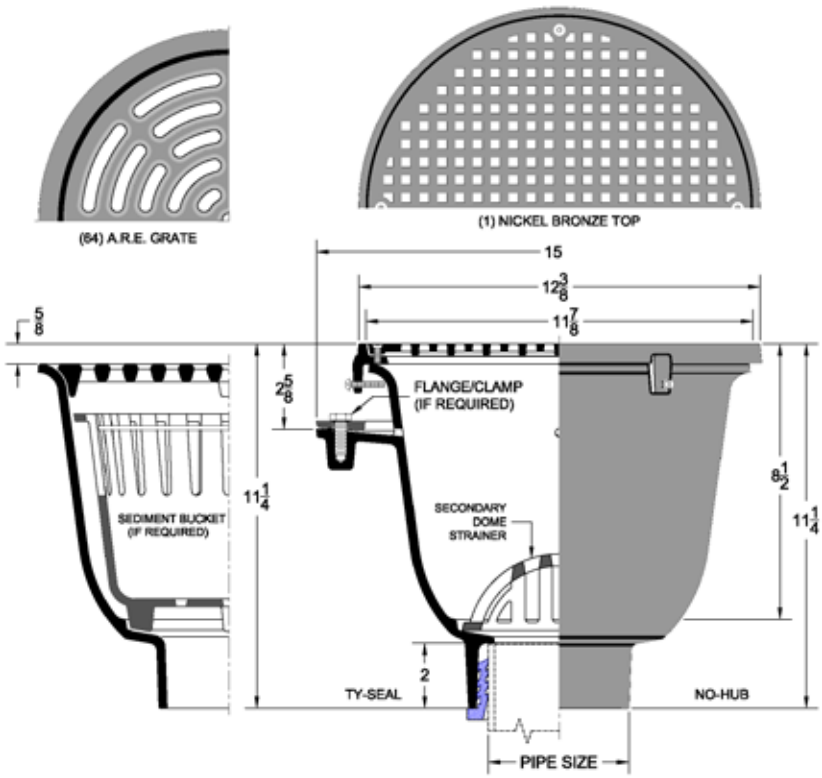
Funnel Options			
Suffix	Description	Add 1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

Regularly Furnished: Cast iron floor sink with A.R.E. interior, plastic dome bottom strainer and full grate.

** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top (-1 or -85 Only)		229.00
6	Trap Primer Connection (1/2" NPT)		270.00
14	Hinged Grate (-1 Nickel Bronze Only) *		481.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		247.00
24	Anchor Flange		397.00
26	Anchor Flange with Clamping Collar		653.00
27	Aluminum Sediment Bucket		317.00
48	Aluminum Dome Bottom Strainer		N/C
108	Less Dome Bottom Strainer (Deduct)		N/C
110	A.R.C. Coated Sediment Bucket		744.00
123	Stainless Steel Mesh Bucket Liner		425.00
21	Less Grate (Deduct)	(1)	(293.00)
		(64)	(270.00)

9040 | 12" Round A.R.E. Floor Sink - 6" Deep Sump Depth





9040-1-24-3TY

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	64 A.R.E. Cast Iron	85 Stainless Steel
2,3,4"	$ 3,643.00	$ 2,286.00	$ 6,264.00
Free Area (Sq.In.)	18.3	14.2	18.3
Wt.Lbs.	17.6	18.0	17.6
ASME Load Rating	Light Duty	Medium Duty	Medium Duty

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-7/8	5-3/4	5-5/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC	N/C

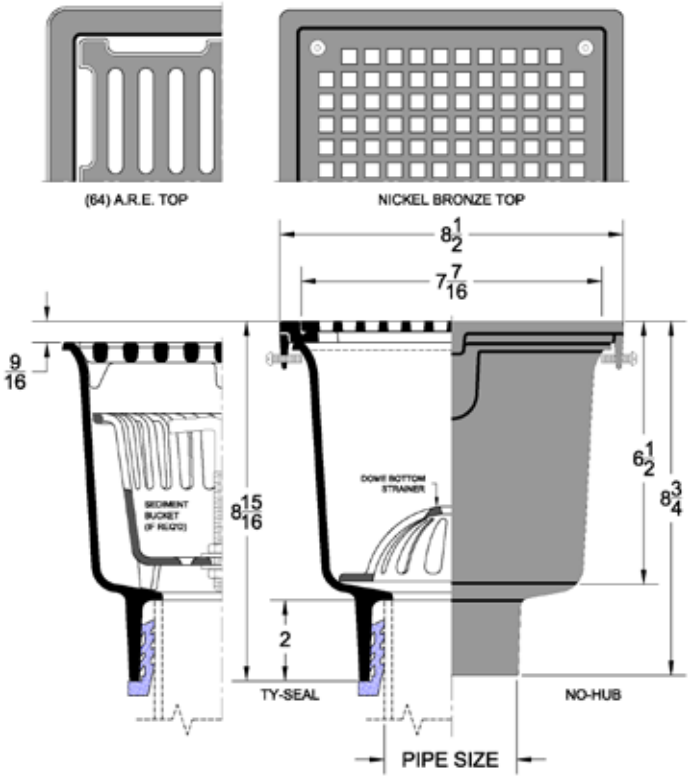
Funnel Options			
Suffix	Description	Add 1	85
EF4	4" Diameter	$ 611.00	$ 1,619.00
EF6	6" Diameter	906.00	2,107.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

Regularly Furnished: Cast iron floor sink with A.R.E. interior, plastic dome bottom strainer and full grate.

** Dimensions vary from illustration*

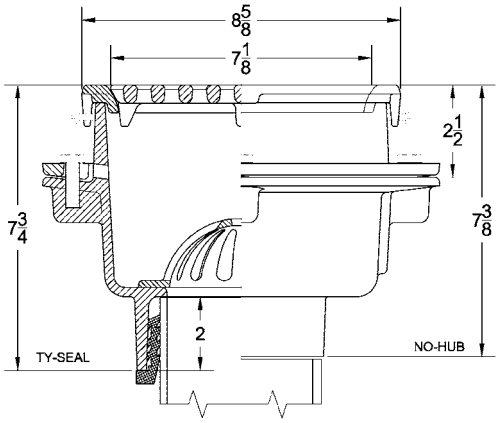
Suffix Options			
Suffix	Description		Add
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top (-1 or -85 Only)		101.00
6	Trap Primer Connection (1/2" NPT)		270.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		247.00
24	Anchor Flange		519.00
26	Anchor Flange with Clamping Collar		768.00
27	Aluminum Sediment Bucket		436.00
48	Aluminum Dome Bottom Strainer		N/C
110	A.R.C. Coated Sediment Bucket		653.00
123	Stainless Steel Mesh Bucket Liner		653.00
21	Less Grate (Deduct)	(1)	(701.00)
		(64)	(363.00)

9110 | 8" Square A.R.E. Floor Sink - 6" Deep Sump Depth





9110-1-24-3TY



9110-64-24

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	64 A.R.E. Cast Iron	85 Stainless Steel
2,3,4"	$ 2,733.00	$ 2,154.00	$ 4,133.00
Free Area (Sq.In.)	19.2	21.6	19.2
Wt.Lbs.	23.1	25.6	23.1
ASME Load Rating	Light Duty	Medium Duty	Medium Duty

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-7/8	5-3/4	5-5/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC	N/C

Funnel Options			
Suffix	Description	Add 1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

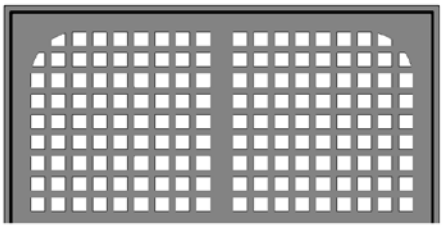
Regularly Furnished: Cast iron floor sink with A.R.E. interior, plastic dome bottom strainer and full grate.

** Dimensions vary from illustration*

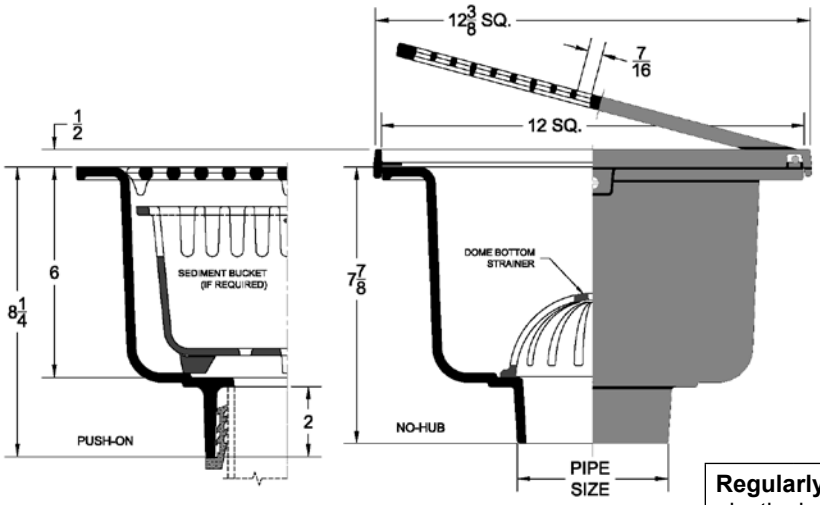
Suffix Options			
Suffix	Description		Add
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top (-1 or -85 Only)		105.00
6	Trap Primer Connection (1/2" NPT)		265.00
14	Hinged Grate (-1 Nickel Bronze Only) *		481.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Loose Set Solid Cover	-1	230.00
		-64	135.00
24	Anchor Flange		250.00
26	Anchor Flange with Clamping Collar		465.00
27	Aluminum Sediment Bucket		272.00
48	Aluminum Dome Bottom Strainer		N/C
108	Less Dome Bottom Strainer (Deduct)		(80.00)
110	A.R.C. Coated Sediment Bucket		592.00
123	Stainless Steel Mesh Bucket Liner		645.00
21	Less Grate (Deduct)	(1)	(287.00)
		(64)	(264.00)

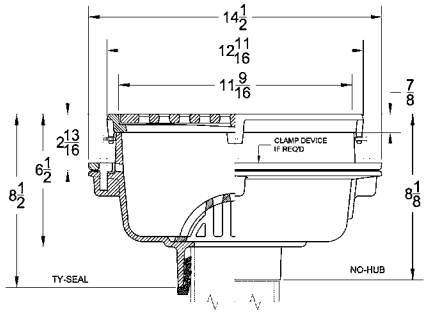
9130 | 12" Square A.R.E. Floor Sink - 6" Deep Sump Depth


(64) A.R.E. GRATE


NICKEL BRONZE TOP


9130-1-24-3TY





9130-64-24

Regularly Furnished: Cast iron floor sink with A.R.E. interior, plastic dome bottom strainer and full grate.
* *Dimensions vary from illustration*

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix		
	1	64	85
	Nickel Bronze	A.R.E. Cast Iron	Stainless Steel
2,3,4"	$ 3,905.00	$ 2,882.00	$ 5,914.00
Free Area (Sq.In.)	55.4	41.7	36.0
Wt.Lbs.	44.0	39.0	42.2
ASME Load Rating	Light Duty	Medium Duty	Medium Duty

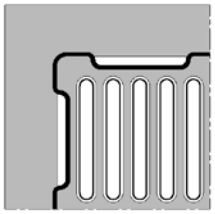
Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-7/8	5-3/4	5-5/8

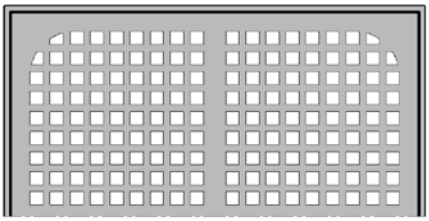
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY	N/C
Inside Caulk	2IC,3IC,4IC	N/C

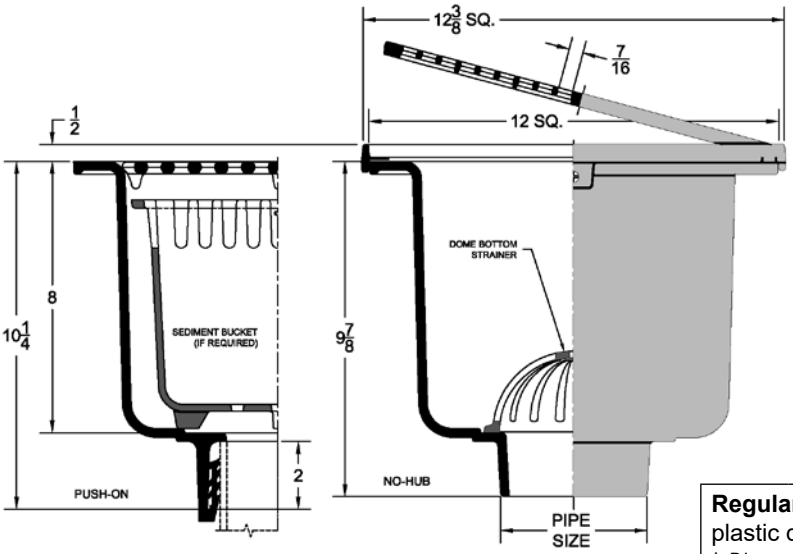
Funnel Options			
Suffix	Description	Add	
		1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

Suffix Options			
Suffix	Description		Add
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top (-1 or -85 Only)		105.00
XH	304 Stainless Steel Heavy Duty Top		1,638.00
6	Trap Primer Connection (1/2" NPT)		265.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Solid Cover	-1	311.00
		-64	159.00
		-85	1,814.00
20	Depressed Grate (N/A -64)		264.00
24	Anchor Flange		528.00
26	Anchor Flange with Clamping Collar		794.00
27	Aluminum Sediment Bucket		436.00
48	Aluminum Dome Bottom Strainer		N/C
107	Angle Frame & Grate (1 only)		1,612.00
108	Less Dome Bottom Strainer (Deduct)		(80.00)
110	A.R.C. Coated Sediment Bucket		815.00
123	Stainless Steel Mesh Bucket Liner		645.00
Suffix	**Description**		**Deduct**
21	Less Grate	-1	(626.00)
		-64	(296.00)

9140 | 12" Square A.R.E. Floor Sink - 8" Deep Sump Depth



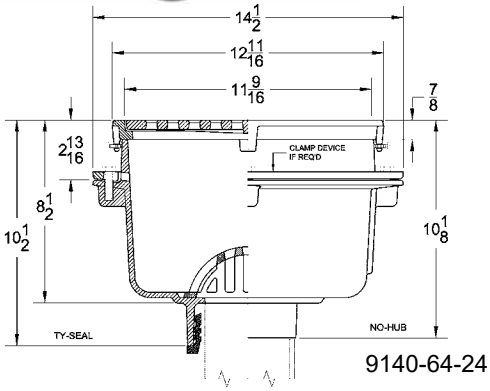




■ *(6TY) & (6TX) Outlets Available on Flanged Bodies Only*



9140-1-24-3TY



9140-64-24

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	64 A.R.E. Cast Iron	85 Stainless Steel
2,3,4"	$ 4,053.00	$ 3,031.00	$ 6,065.00
Free Area (Sq.In.)	19.2	21.6	19.2
Wt.Lbs.	23.1	25.6	23.1
ASME Load Rating	Light Duty	Medium Duty	Medium Duty

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-7/8	5-3/4	5-5/8

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY,6TY(C.I.),6TX(PVC) ■	N/C
Inside Caulk	2IC,3IC,4IC	N/C

Funnel Options			
Suffix	Description	Add 1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

Regularly Furnished: Cast iron floor sink with A.R.E. interior, plastic dome bottom strainer and full grate.

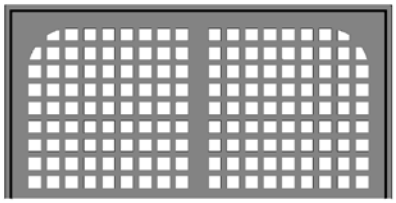
** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top (-1 or -85 Only)		105.00
XH	304 Stainless Steel Heavy Duty Top		1,638.00
6	Trap Primer Connection (1/2" NPT)		265.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Solid Cover	-1	311.00
		-64	159.00
		-85	1,814.00
20	Depressed Grate (N/A -64)		264.00
24	Anchor Flange		528.00
26	Anchor Flange with Clamping Collar		793.00
27	Aluminum Sediment Bucket		436.00
48	Aluminum Dome Bottom Strainer		N/C
107	Angle Frame & Grate (1 only)		1,612.00
108	Less Dome Bottom Strainer (Deduct)		(80.00)
110	A.R.C. Coated Sediment Bucket		815.00
123	Stainless Steel Mesh Bucket Liner		645.00
Suffix	**Description**		**Deduct**
21	Less Grate	-1	(626.00)
		-64	(296.00)

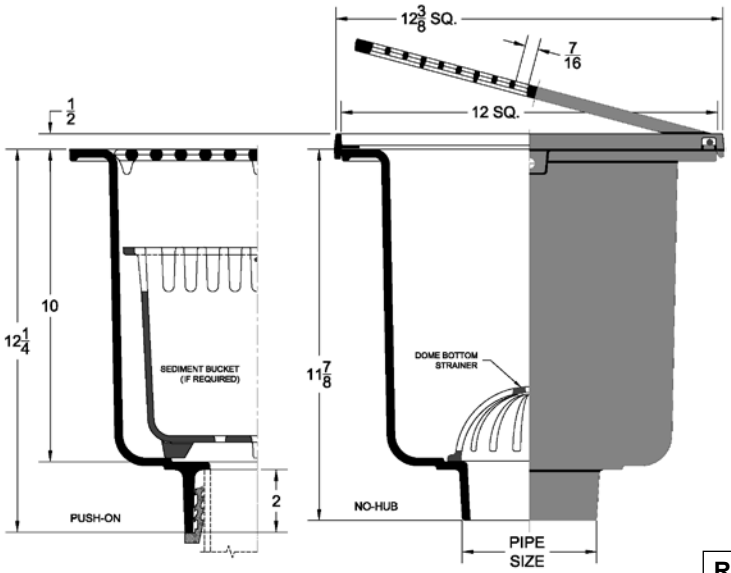
9150 | 12" Square A.R.E. Floor Sink - 10" Deep Sump Depth



(64) A.R.E. GRATE



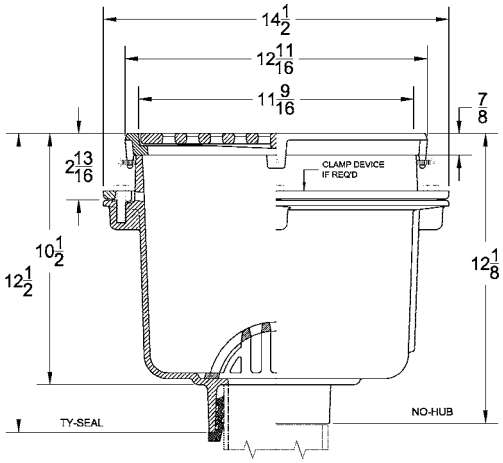
NICKEL BRONZE TOP



9150-1-24-3TY



9150-64-24



■ *(6TY) & (6TX) Outlets Available on Flanged Bodies Only*

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix		
	1	64	85
	Nickel Bronze	A.R.E. Cast Iron	Stainless Steel
2,3,4"	$ 4,224.00	$ 3,201.00	$ 6,233.00
Free Area (Sq.In.)	55.4	41.7	36.0
Wt.Lbs.	44.0	39.0	42.2
ASME Load Rating	Light Duty	Medium Duty	Medium Duty

Dimensions (Inches)			
Pipe Size	2"	3"	4"
B	5-7/8	5-3/4	5-5/8

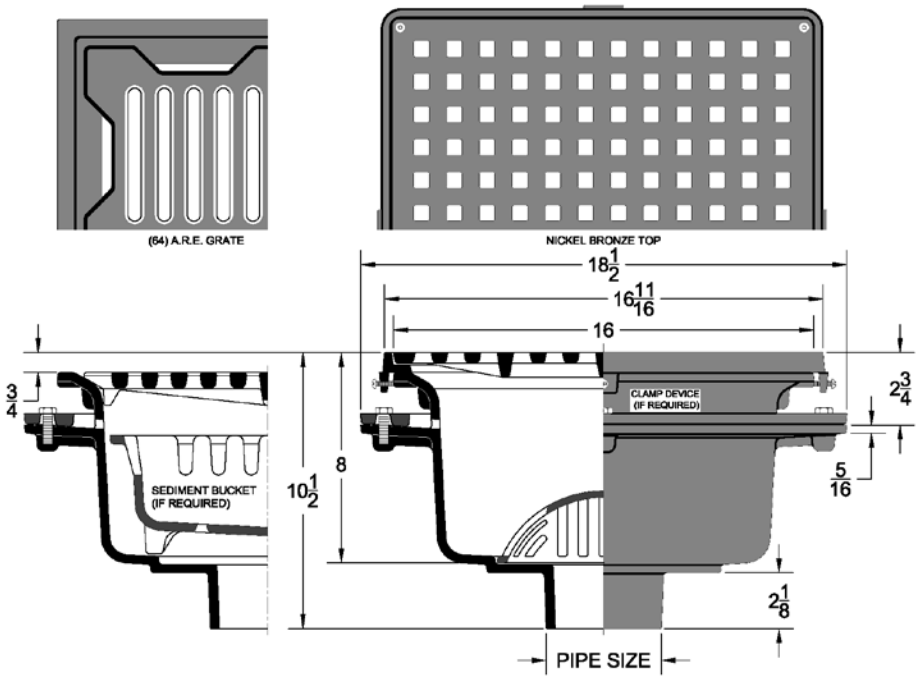
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH	N/C
Push On	2TY,3TY,4TY,6TY(C.I.),6TX(PVC) ■	N/C
Inside Caulk	2IC,3IC,4IC	N/C

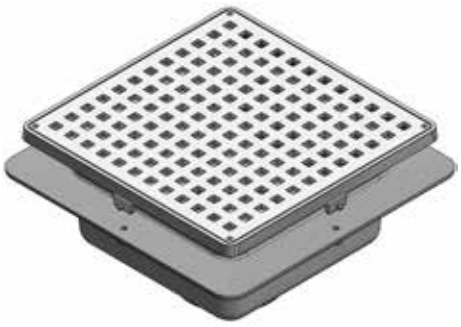
Funnel Options			
Suffix	Description	Add 1	Add 64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

Regularly Furnished: Cast iron floor sink with A.R.E. interior, plastic dome bottom strainer and full grate.
* *Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
TSD	Trap Seal Device (See Model 4405)		$ 579.00
VP	Vandal Proof Top (-1 or -85 Only)		105.00
XH	304 Stainless Steel Heavy Duty Top		1,638.00
6	Trap Primer Connection (1/2" NPT)		265.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Solid Cover	-1	311.00
		-64	159.00
20	Depressed Grate (N/A -64)		264.00
24	Anchor Flange		528.00
26	Anchor Flange with Clamping Collar		793.00
27	Aluminum Sediment Bucket		436.00
48	Aluminum Dome Bottom Strainer		N/C
107	Angle Frame & Grate (1 only)		1,612.00
108	Less Dome Bottom Strainer (Deduct)		(80.00)
110	A.R.C. Coated Sediment Bucket		815.00
123	Stainless Steel Mesh Bucket Liner		645.00
Suffix	**Description**		**Deduct**
21	Less Grate	-1	(626.00)
		-64	(296.00)

9160 | 16" Square A.R.E. Floor Sink - 8" Deep Sump Depth





9160-1-6NH

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	64 A.R.E. Cast Iron
4,6,8"	$ 7,551.00	$ 5,891.00
Free Area (Sq.In.)	55.8	78.0
Wt.Lbs.	88.5	78.5
ASME Load Rating	Light Duty	Medium Duty

Regularly Furnished: Cast iron floor sink with A.R.E. interior, integral flange, aluminum dome bottom strainer and full grate.

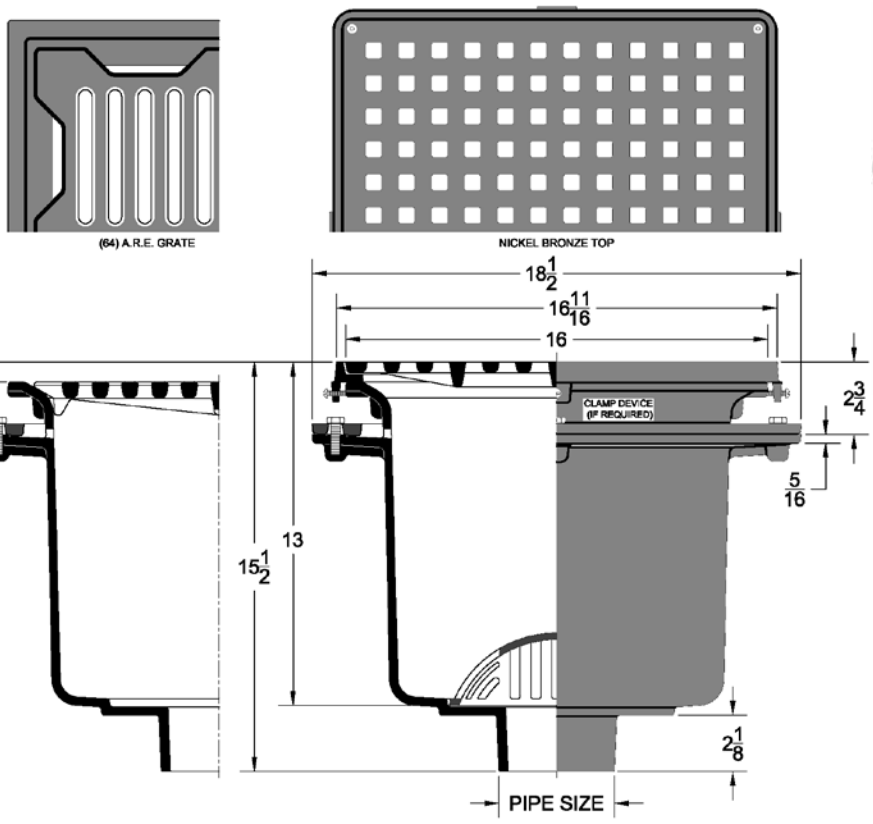
* *Dimensions vary from illustration*

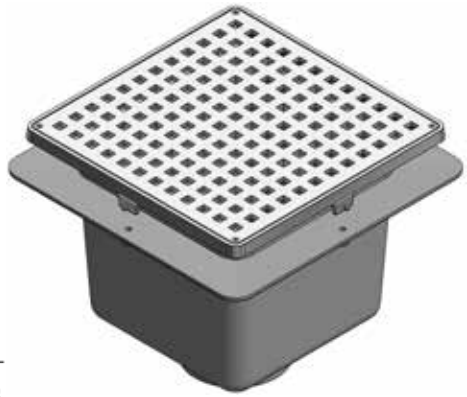
Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top (-1 or -85 Only)		$ 200.00
6	Trap Primer Connection (1/2" NPT)		265.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Loose Set Solid Cover	-1	840.00
		-64	205.00
20	Less Dome Bottom Strainer (Deduct)		(80.00)
21	Less Grate (Deduct)	-1	(1,411.00)
		-64	(516.00)
26	Clamping Collar		766.00
27	Aluminum Sediment Bucket		1,129.00
110	A.R.C. Sediment Bucket		3,179.00
111	A.R.C. Dome Bottom Strainer		436.00
123	Stainless Steel Mesh Bucket Liner		1,280.00

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	4NH,6NH,8NH	N/C

Funnel Options			
Suffix	Description	Add 1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

9170 | 16" Square A.R.E. Floor Sink - 12" Deep Sump Depth





9170-1-6NH

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix 1 Nickel Bronze	64 A.R.E. Cast Iron
4,6,8"	$ 8,050.00	$ 6,390.00
Free Area (Sq.In.)	55.8	78.0
Wt.Lbs.	88.5	78.5
ASME Load Rating	Light Duty	Medium Duty

Regularly Furnished: Cast iron floor sink with A.R.E. interior, integral flange, aluminum dome bottom strainer and full grate.

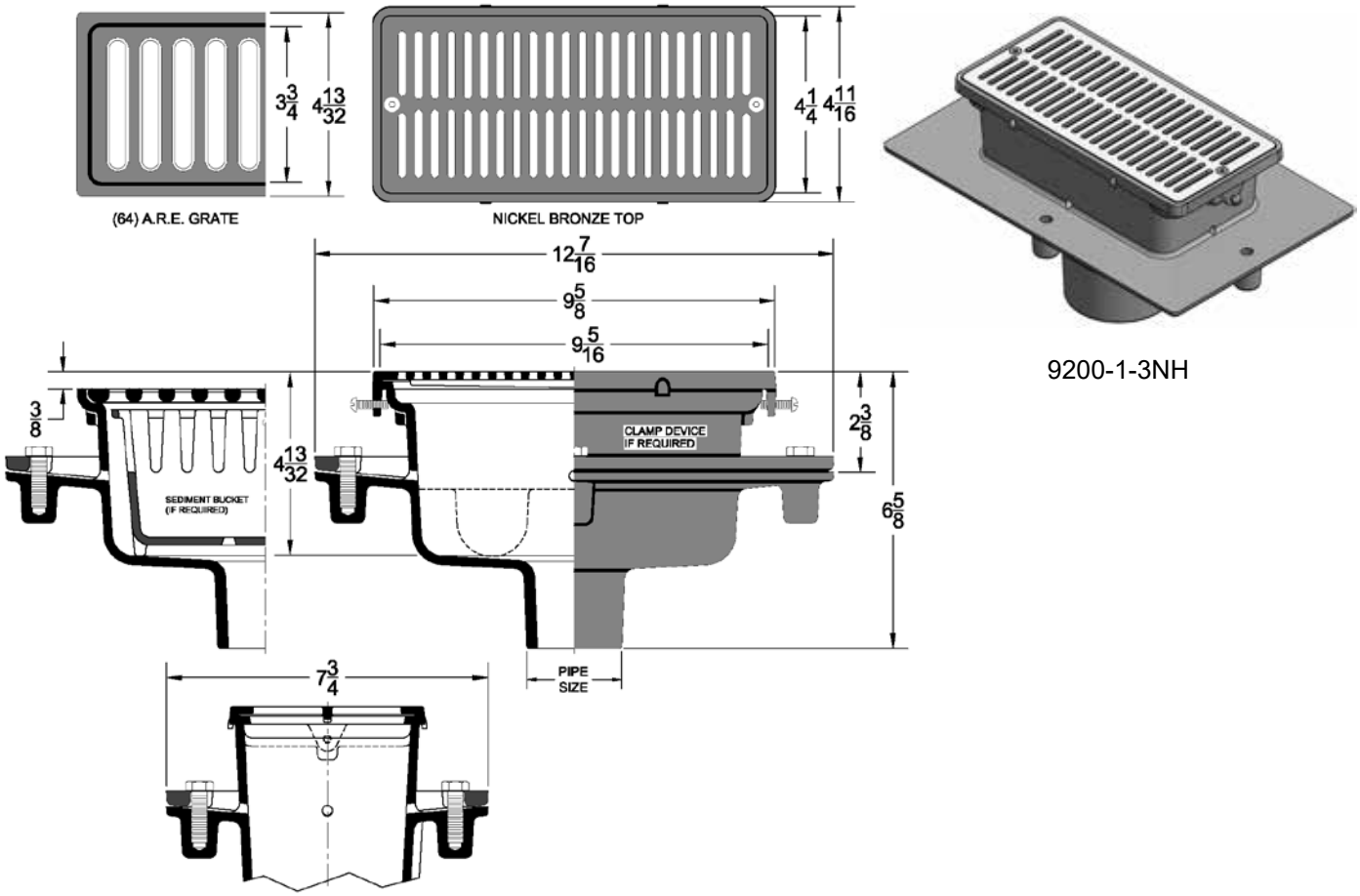
** Dimensions vary from illustration*

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top (-1 or -85 Only)		$ 200.00
6	Trap Primer Connection (1/2" NPT)		265.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Loose Set Solid Cover	-1	840.00
		-64	205.00
20	Depressed Grate (-1 Only)		(80.00)
21	Less Grate (Deduct)	-1	(1,411.00)
		-64	(516.00)
26	Clamping Collar		766.00
27	Aluminum Sediment Bucket		1,129.00
110	A.R.C. Sediment Bucket		3,179.00
111	A.R.C. Dome Bottom Strainer		436.00
123	Stainless Steel Mesh Bucket Liner		1,280.00

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	4NH,6NH,8NH	N/C

Funnel Options			
Suffix	Description	Add 1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

9200 | 8x4" Rectangular A.R.E. Floor Sink - 6" Deep Sump Depth



9200-1-3NH

Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with: Top Option Suffix	
	1	64
	Nickel Bronze	A.R.E. Cast Iron
2,3"	$ 2,817.00	$ 2,347.00
Free Area (Sq.In.)	13.9	11.8
Wt.Lbs.	22.0	23.0
ASME Load Rating	Light Duty	Medium Duty

Regularly Furnished: Cast iron floor sink with A.R.E. interior, integral flange, aluminum dome bottom strainer and full grate.

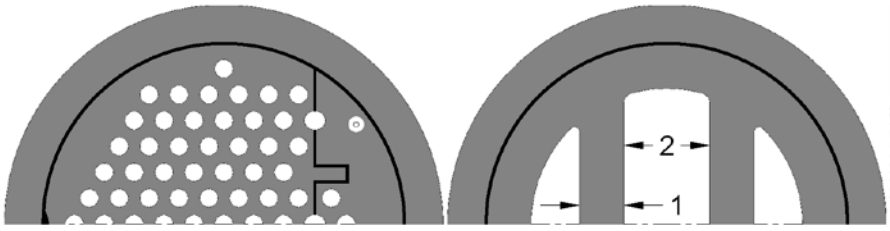
** Dimensions vary from illustration*

Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH	N/C

Funnel Options			
Suffix	Description	Add	
		1	64
EF4	4" Diameter	$ 611.00	$ 541.00
EF6	6" Diameter	906.00	698.00
EG6	6 1/8 x 2 7/8 Elongated Funnel	611.00	541.00
EG8	8 1/4 x 3 1/2 Elongated Funnel	1,265.00	894.00

Suffix Options			
Suffix	Description		Add
VP	Vandal Proof Top (-1 or -85 Only)		$ 107.00
6	Trap Primer Connection (1/2" NPT)		265.00
15	Half Grate		N/C
16	Three Quarter Grate		N/C
17	Full Grate with Center Opening		244.00
18	Loose Set Solid Cover	(1)	230.00
		(64)	N/A
20	Less Dome Bottom Strainer (Deduct)		(80.00)
21	Less Grate (Deduct)	(1)	(414.00)
		(64)	(205.00)
26	Clamping Collar		519.00
27	Aluminum Sediment Bucket		265.00
110	A.R.C. Sediment Bucket		645.00
111	A.R.C. Dome Bottom Strainer		436.00
123	Stainless Steel Mesh Bucket Liner		645.00

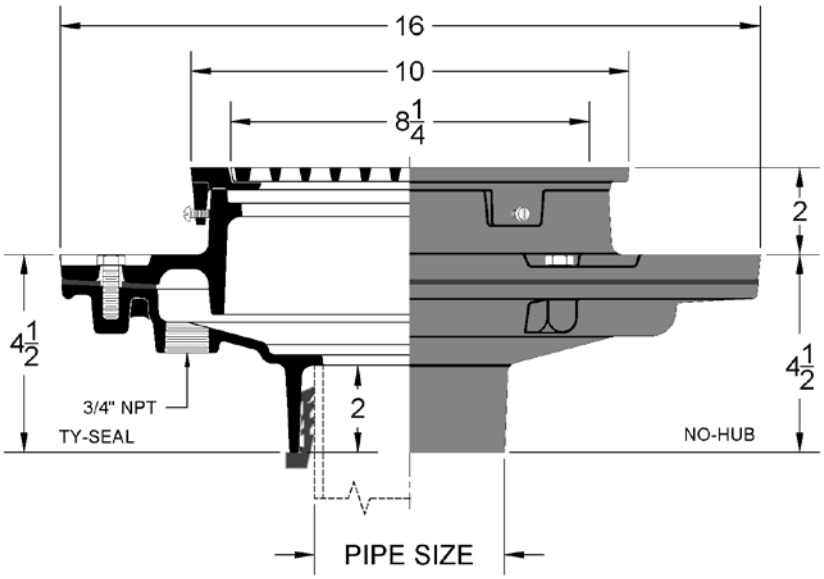
9300 | 10" Round A.R.E. Flushing Rim Floor Sink



9300 (HINGED GRATE) 9300-B (FIXED GRATE)



9300-1-3TY





Outlet (Pipe Size)	A.R.E. Coated Cast Iron Body with:
	Top Option Suffix
	1
	Nickel Bronze
2,3,4,6"	$ 3,559.00
Free Area (Sq.In.)	12.4
Wt.Lbs.	42.1
ASME Load Rating	Light Duty

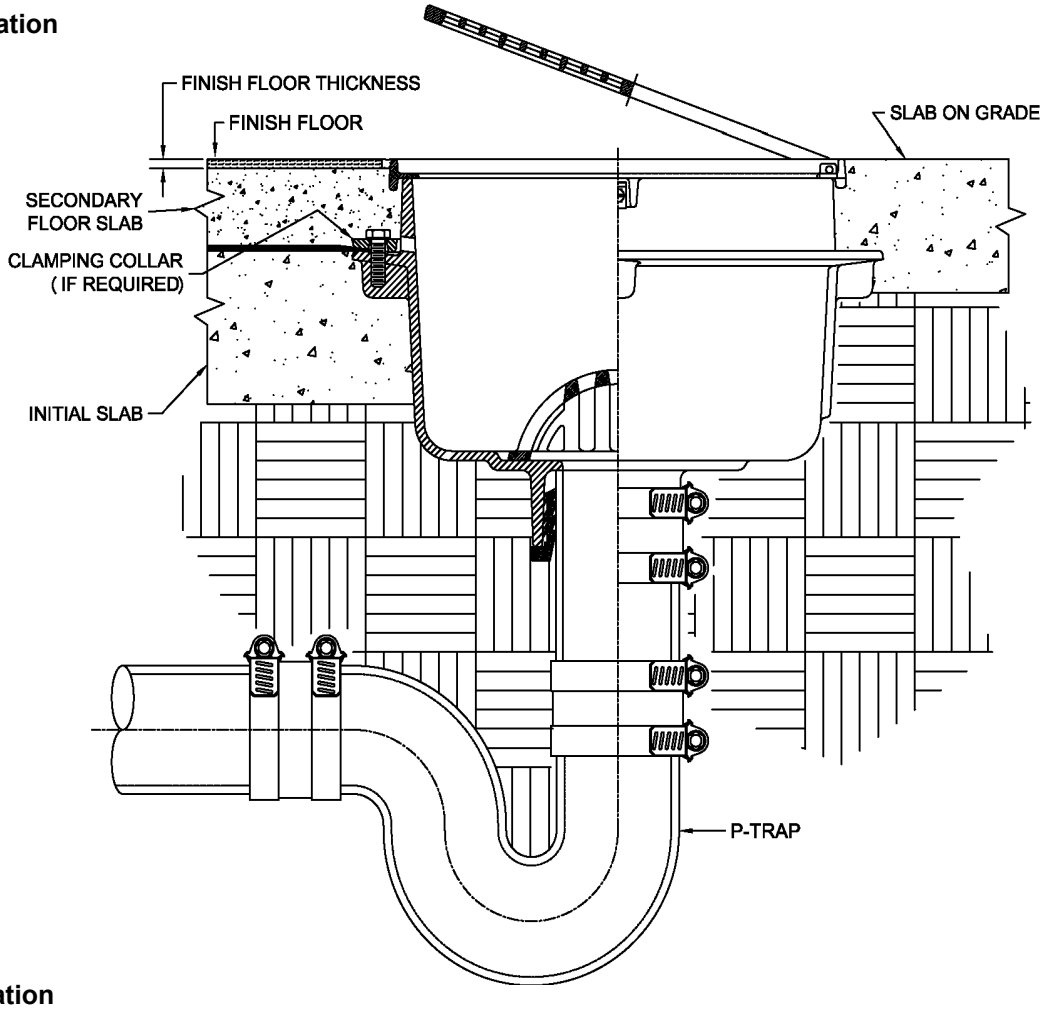
Regularly Furnished: Cast iron floor sing with A.R.E. interior, integral flange, aluminum dome bottom strainer and full grate.

* *Dimensions vary from illustration*

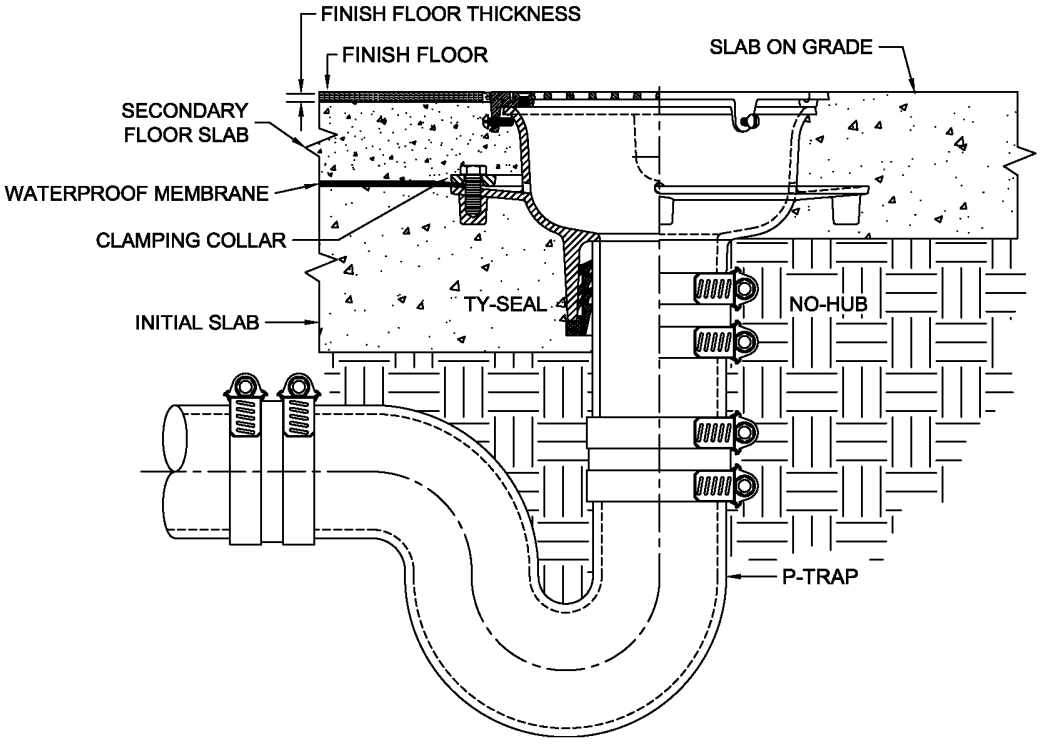
Outlet Variations		
Type	Designation Suffix	Add
No-Hub	2NH,3NH,4NH,6NH	N/C
Push-On	2TY,3TY,4TY	N/C
Inside Caulk	3IC,3IC,4IC	N/C

Suffix Options			
Suffix	Description		Add
B	Wide Slot Fixed Grate		$ 146.00
E	Elastomeric Flange *		1,553.00
VP	Vandal Proof Screws		101.00
WCB	Water Control Box (See Model 4440) *		7,284.00
18	Solid Cover		966.00
36	Non-Conductive Hardware		600.00
93	A.R.C. P-Trap w/ Flushing Connection	2"	987.00
		3"	1,306.00
		4"	1,437.00
137	Loose Set Grate		401.00

9140 Typical Installation



9000 Typical Installation



OPTION SUFFIXES & DESCRIPTIONS

Suffix..... Description
(-ADF) .....Adjustable Extension
(-AE).....Adjustable Deck Riser
(-AEM).....Adjustable Deck Drain Riser
(-ARC).....Acid Resistant Coating
(-AW).....Adjustable Water Regulator
(-CO) .....Cleanout Access and Plug
(-COF2)....No-Hub Cleanout Ferrule (2")
(-COF3)....No-Hub Cleanout Ferrule (3")
(-COF4)....No-Hub Cleanout Ferrule (4")
(-COF5)....No-Hub Cleanout Ferrule (5")
(-COF6)....No-Hub Cleanout Ferrule (6")
(-COF8)....No-Hub Cleanout Ferrule (8")
(-COT2)....No-Hub Cleanout Tee (2")
(-COT3)....No-Hub Cleanout Tee (3")
(-COT4)....No-Hub Cleanout Tee (4")
(-COT5)....No-Hub Cleanout Tee (5")
(-COT6)....No-Hub Cleanout Tee (6")
(-COT8)....No-Hub Cleanout Tee (8")
(-CF).....Carpet Flange
(-CM).....Carpet Marker
(-CRT) .....Hydrant Cartridge Repair Tool
(-D) .....Overflow Dam
(-DC) .....Debris Cover
(-DF).....Static Extension
(-DFS) .....Perforated Extension
(-DIA).....Deck Installation Assembly
(-DP).....Perforated Gravel Stop
(-DCT) .....Decorative Top
(-DSA) .....Down Spout Adapter
(-DU) .....Distribution Unit
(-E) .....Elastomeric Flange
(-EB).....Deck Extension Pan
(-EF4) .....4" Diameter Funnel
(-EF6) .....6" Diameter Funnel
(-EG6) .....6" Elongated Funnel
(-EG6) .....8" Elongated Funnel
(-EJ).....Expansion Joint
(-F).....Frame With Lugs
(-FH).....Cradle Housing
(-FHT).....Enclosed Cradle Housing
(-FM) .....Flush Mount
(-GSC).....Integral Gas Seal Cone
(-HDR).....Replacement Hydrant Rod
(-LBV).....Less Backwater Valve
(-LMV) .....Less Mixing Valve
(-RHP).....Raised Head Plug
(-RS).....Replacement Screen
(-S) .....Square Top
(-SD).....Adjustable Internal Overflow Standpipe
(-SO) .....90 Degree Side Outlet
(-T).....Recessed for Tile Cover (Round)
(-TC).....Threaded Plug Cover
(-TD).....Grate Supported Sediment Bucket
(-TS).....Recessed for Tile Cover (Square)
(-TSD) .....Trap Seal Device (4405)
(-U) .....Recessed for Terrazzo Cover (Round)
(-US).....Recessed for Terrazzo Cover (Square)
(-VP).....Vandal Proof
(-WCB).....Water Control Box
(-WK).....Hydrant Repair Kit
(-WHRK) ..Hydrant Repair Kit
WP .....Component of Assembly
(-X) .....Heavy Duty Top Assembly
(-XF).....Extended Frame
(-XT).....Modular Extension
(-45O).....45 Degree Side Outlet
(-1).....Satin Finish Nickel Bronze
(-2).....Satin Finish Bronze
(-3).....Rough Bronze
(-4).....Square Top

Suffix..... Description
(-5).....Vandal Proof
(-6).....1/2" Trap Primer Connection
(-7).....Dome Strainer
(-8).....Secondary Strainer
(-9).....Secondary Dome Strainer
(-10).....Less Secondary Strainer
(-11).....Heel Proof Grate
(-12).....Ductile Top
(-13).....Tractor Grate
(-14).....Hinged Grate
(-15).....Half (1/2) Grate
(-16).....Three Quarter (3/4) Grate
(-17).....Grate with Center Hole
(-18).....Solid Cover
(-19).....Locking Grate
(-20).....Depressed Grate
(-21).....Less Grate
(-22).....Less Grate and Rim
(-23).....Grate Riser
(-24).....Flashing Flange
(-25).....Less Flashing Flange
(-26).....Clamp Device
(-27).....Sediment Bucket
(-28).....Cushioned Feet on Bucket
(-29).....Less Sediment Bucket
(-30).....Bell Trap
(-31).....Backwater Valve (Float or Flapper Type)
(-32).....Polypropylene Top
(-33).....Closure Plug (Plastic)
(-34).....T-Handle Closure Plug (Zinc Plated Steel)
(-35).....Extra High Grate Collar
(-36).....Non-Conductive Hardware
(-37).....Auxiliary Tapping (1-1/4", 1-1/2" or 2")
(-38).....Tapping for Flushing Connection
(-39).....All Galvanized
(-40).....Galvanized Top
(-41).....Galvanized Body
(-42).....Cast Iron Top
(-43).....Satin Nickel Bronze Body
(-44).....Satin Bronze Body
(-45).....Rough Bronze Body
(-46).....Aluminum Dome Strainer
(-47).....High Dome Strainer
(-48).....Flat Strainer
(-49).....Bronze Mesh Covered Dome Strainer
(-50).....Stainless Steel Mesh Covered Dome
(-51).....Each 1" of Extension Over Standard
(-52).....Bearing Pan
(-53).....Under Deck Clamp
(-54).....Bronze Flashing Collar
(-55).....Flashing Collar or Dam Over Standard
(-56).....Each 1" of Standpipe Over Standard
(-57).....Solid Standpipe
(-58).....Perforated Standpipe
(-59).....Less Pipe Expander
(-60).....Down Spout Elbow
(-61).....A.R.E. Coated Interior
(-62).....A.R.E. Coated Exterior
(-63).....A.R.E. Coated Interior and Exterior
(-64).....A.R.E. Powder Coated Top
(-65).....Less A.R.E. Coating
(-66).....Primer Coated
(-67).....White Painted Enamel
(-68).....Perforated S/S Sediment Bucket
(-69).....All Aluminum
(-70).....Inlet and Outlet Larger
(-71).....Inlet and Outlet Smaller
(-72).....Carpet Marker
(-73).....Torque Set Plug
(-74).....Plastic Plug

Suffix..... Description
(-75).....Bronze Countersunk Tapered Plug
(-76).....Cast Iron Gasketed Plug
(-77).....Drilled and Tapped for 1/4-20 Screw
(-78).....Spanner Wrench
(-79).....Screw Over 3-1/2" Long
(-80).....Lead Gasket (Plugs)
(-81).....Gasketed Cover
(-82).....Key Handle Lock
(-83).....Special Wording or Logo on Cover
(-84).....Anchor Clips (W-8480-ST)
(-85).....Stainless Steel Cover
(-86).....Screw Driver Lock
(-87).....Wall Clamp
(-88).....Copper Sweat Connection
(-89).....Vacuum Breaker
(-90).....1" Hose Connection
(-91).....Union Elbow Assembly -
(-92).....Key Operated Cylinder Lock
(-93).....Threaded Deep Seal P-Trap
(-94).....Extension Adapter
(-95).....Bronze Standpipe
(-96).....Galvanized Standpipe
(-97).....1" Hydrant Size
(-98).....1-1/4" Hydrant Size
(-99).....1-1/2" Hydrant Size
(-100).....2" Hydrant Size
(-101).....Deflector Grate
(-102).....Chrome Plated Top
(-103).....Chrome Plated Body
(-104).....Chrome Plated Flange or Frame
(-105).....Chrome Plated Standpipe
(-106).....Bronze Mesh Lined Bucket
(-107).....Angle Grate
(-108).....Less Dome Strainer
(-109).....Drilled & Tapped Hole in Hydrant Box
(-110).....A.R.E. Coated Bucket
(-111) .....A.R.E. Coated Secondary Dome Strainer
(-112).....Floating Solids Retainer
(-113).....Aluminum Cover
(-114).....Anti-Vortex Top
(-115).....Hole For Flush Valve Handle
(-116).....Perforated Bronze Bucket
(-117).....Deep Outlet Connection (W-2920)
(-118).....Bronze Countersunk Gasketed Plug
(-119).....Bronze Raised Head Gasketed Plug
(-120).....Cast Iron Standpipe
(-121).....Drilled Securing Holes in Flange
(-122).....Tapped Securing Holes in Flange
(-123).....Stainless Steel Mesh Lined Bucket
(-124).....Monel Mesh Lined Bucket
(-125).....Alum. Bucket with S/S Screen Flow Ports
(-126).....Stainless Steel Mesh Covered Standpipe
(-127).....Scoriated Cover
(-128).....Statuary Bronze
(-129).....Perforated Stainless Steel Dome Strainer
(-130).....Bronze Raised Head Tapered Plug
(-131).....Wheel Handle
(-132).....Satin Nickel Bronze Dome /Less Plug
(-133).....Satin Bronze Dome /less Plug
(-134).....Seepage Control Openings
(-135).....Bronze Casing
(-136).....Chain Anchored Grate
(-137).....Loose Set Grate
(-138).....Less Cleanout (W-2480)
(-139).....Galvanized Strainer Body
(-140).....Bronze Strainer Body
(-141).....Less Funnel (Type -FF Strainer)
(-142).....Less Backflow Preventer
(-143).....Satin Finish on Stainless Steel Funnel
(-144).....Grounding Screw

OPTION SUFFIXES & DESCRIPTIONS

Suffix.....	Description
(-145).....	2" NPT Hydrostatic Relief Valve Connection
(-146).....	Less Under Deck Clamp
(-147).....	Lift Handle
(-148).....	Tapered Ground Joint Plug
(-149).....	6" Diameter Internal Water Dam (3000)
(-150).....	Silicon Sealant between Rim and Body
(-151).....	Rough Nickel Bronze Dome Strainer
(-152).....	Rough Bronze Bucket
(-153).....	Stainless Steel Top (Reinforced)
(-154).....	S/S Grate (w/Nickel Bronze Rim)
(-155).....	Stainless Steel Bar Grate
(-156).....	Nickel Bronze Secondary Dome Strainer
(-157).....	Fabricated Stainless Steel Perforated Bucket
(-158).....	Low Profile Dome Strainer
(-159).....	Adjustable Flow Control Weir (3007)
(-160).....	Fiberglass Grate
(-161).....	Protector Cover Plate (9100)
(-162).....	Heel Proof Cast Iron Top
(-163).....	Cover Drilled, Tapped & Ctsk for Lift Screw
(-164).....	Smooth Cover (8301)
(-165).....	Rough Bronze Dome Strainer
(-166).....	S/S Rodent Screen on Bottom of Grate
(-167).....	Pin-Allen Head Vandal Proof Screws
(-168).....	Suspended Sediment Bucket
(-169).....	Can Wash Piping & Hardware
(-170).....	Solid Nickel Slotted Grate (1310-TD)
(-171).....	Extra Heavy Duty Cover
(-172).....	Low Inlet Connection
(-173).....	Stainless Steel Top
(-174).....	Special S/S Perforated Sediment Bucket
(-175).....	Hydrant Box
(-176).....	Brass Hardware
(-177).....	Stainless Steel Hardware
(-178).....	Galvanized Cast Iron Sediment Bucket
(-179).....	Security Screws (Pin Allen)
(-180).....	Less Weep Holes
(-181).....	Cast Iron Perforated Extension Collar
(-182).....	Polished Finish
(-183).....	Oil Draw Off Connection
(-184).....	Outlet Length Over 10" (per in)
(-185).....	Hinged Solid Bird/Rodent Cover
(-186).....	Perforated Grate (Holes Instead of Slots)
(-187).....	3/4" Trap Primer Connection
(-188).....	Closure Plug (NPT Brass)
(-189).....	Bearing Pan/Deck Securing Package
(-190).....	Combo Roof/Overflow Package
(-191).....	M.D. S/S Ribbed Grate (Heel Proof)
(-192).....	Solid S/S Hinged Cover w/Pull Ring & Solid Bucket w/Perforated Bottom
(-193).....	Knob Operated Lid Lock (4440)
(-194).....	Decorative Panel (4440)
(-195).....	Spanner Operated Weir Opening Grate
(-196).....	Special Dimensions (Other Than Standard)
(-197).....	Grate Riser w/ Anchor Holes in Flange
(-198).....	(Dbl Bearing Pan) with Securing Package
(-199).....	Stainless Steel Bar Grate on 1/2" Centers
(-200).....	Indirect Waste Opening in Grate
(-201).....	Disposable Filter Bags (5760 Interceptor)
(-202).....	Flange/Clamp Device Specified Location
(-203).....	Bolt Together Trench Drain Sections
(-204).....	Interceptor Outlet Location (Specify)
(-205).....	3" Sq. Center Hole in Center of Grate
(-206).....	S/S Perforated Grate (1/8 on 1/8 Centers)
(-207).....	Stainless Steel Perimeter Drainage Grate
(-208).....	Stainless Steel Veneer
(-209).....	Bell Trap/Sediment Bucket w/ Perimeter Drainage Grate
(-210).....	2" NPT Valve Connection (2890-A)
(-211).....	Less Anchor Holes (3941)
(-212).....	Nickel Bronze Frame w/ Stainless Steel Grate
(-213).....	Wall Plate with Special Wording (3940)
(-214).....	Cast Stainless Steel Hydrant Box
(-215).....	Cast S/S Hydrant Box w/ Special Wording
(-216).....	Hinged Slotted Bird Screen
(-217).....	Special Perforation Size in Grate
(-218).....	Solids Retaining Baffle (2050)
(-219).....	Stabilizing Jack Bolts (3100-AEM)
(-220).....	Rough Chrome Plated
(-221).....	Polished Nickel Bronze Top
(-222).....	Polished Bronze Top
(-223).....	Perforated S/S Sediment Bucket
(-224).....	Body Machined for Support Rods
(-225).....	S/S Sediment Bucket w/ Folding Handle
(-226).....	Stainless Steel Reinforced Grate
(-227).....	Dual Nozzle w/ S/S Wall Plate /Special Wording
(-228).....	Solid Bottom Sediment Bucket
(-229).....	Security Screws (Spanner Type)
(-230).....	Security Screws (Pin Torx)
(-231).....	Steel or Cast Iron Standpipe (SD)
(-232).....	S/S Grate Perforated w/ 1/2" Sq. Openings
(-233).....	Integral Adjustable Mounting Brackets
(-234).....	Deep Hydrant Box (for Vacuum Breaker)
(-235).....	Trap Primer Adapter
(-236).....	Polished Top Surface
(-237).....	Stainless Steel Hydrant Box
(-238).....	10-1/2" Diameter Sump
(-239).....	Dbl Bearing Pan) with Securing Package
(-240).....	Stainless Steel Bar Grate (Bars 1/2" x 1")
(-241).....	Thermal Diffusion Coating (Top Only)
(-242).....	Thermal Diffusion Coating (Body Only)
(-243).....	Thermal Diffusion Coating (Top & Body)
(-244).....	Dbl Bearing Pan) with Securing Package
(-245).....	Split Grates (Floor Sinks Two Half Grates)
(-246).....	Slip On Outlet with Set Screws
(-247).....	Anchor Screw Holes In Flange
(-248).....	Sediment Cup (for Outlet)
(-249).....	Anchor Flange at Dimension from Top
(-250).....	C.I. Bucket w/ S/S Perforated Flow Ports
(-251).....	3/4" 90 Degree Solder Inlet Elbow
(-252).....	Rebar Saddles (Trench Drains)
(-253).....	Grate (MD) with 1/4" Square Holes
(-254).....	S/S Reinforced Grate w/ ¼" Openings
(-255).....	S/S Bar Grate w/ 1/4" Bars on 1/2" Centers
(-256).....	With Trap Guard
(-257).....	A.R.E. Sediment Bucket w/ S/S Mesh Lining
(-258).....	IPS x Copper Sweat Connection - 90Elbow
(-259).....	3/4" IPS Straight Female Inlet Adapter
(-260).....	6" Diameter Core Drill Hydrant Box
(-261).....	Mounting Brackets (16" Studs) Hydrants
(-262).....	Mounting Brackets (24" Studs) Hydrants
(-263).....	Cast Iron Hydrant Box
(-264).....	Aluminum Casing Guard
(-265).....	Access Housing (Cleanouts)
(-266).....	Plug Wrench
(-267).....	Top Secured with Slotted Screws
(-268).....	Stabilizer Pan
(-269).....	Less Mixing Valve (2440)
(-270).....	Less Hydrant Box
(-271).....	Sediment Bucket, Mud Pan & Filter
(-272).....	Epoxy Coating
(-273).....	Copper Sweat Elbow - F NPT x CS
(-274).....	Union Elbow Assembly - M NPT x CS
(-275).....	Copper Sweat Straight M NPT x CS
(-276).....	Copper Sweat Straight F NPT x CS
(-277).....	Union Elbow Assembly - F NPT x Male NPT
(-278).....	Union Elbow Assembly - M NPT x M NPT
(-279).....	Copper Sweat Elbow 1" M NPT x CS
(-280).....	8" Diameter Core Drill Hydrant Box
(-281).....	Secondary Dome Strainer (3046)
(-282).....	Drip Rim for 3880-SS
(-283).....	Twist Latches Instead of Securing Screws
(-284).....	Anchor Flange Specified Dimension
(-285).....	Perforated Grate Collar
(-286).....	Stainless Steel Dome
(-287).....	Stainless Steel Standpipe
(-288).....	Hydrant Straight Inlet—1" Male NPT
(-289).....	Hydrant Straight Inlet—1" Female NPT
(-290).....	Copper Sweat—3/4" Female x 1" CS
(-291).....	Copper Sweat Elbow—3/4" Female x 1" CS
(-292).....	M.D. Grate Reinforcing Ribs 1/2" Square Holes
(-293).....	H.D. Grate Reinforcing Ribs 1/2" Square Holes
(-294).....	X.H. Grate Reinforcing Ribs 1/2" Square Holes
(-295).....	X.H. Grate Reinforcing Ribs 3/4" Square Holes
(-296).....	Offset Bottom Outlet
(-297).....	Copper Sweat Adapter—1/2" NPT x 1/2" CS
(-298).....	Enzyme Port in Cover
(-304).....	Stainless Steel
(-316).....	Stainless Steel

ZURN	WADE
ROOF DRAINS	
Z100	3000-32
ZA100	3000-46
ZC100	3000-42
ZRB100	3000-3
Z100-90	3000-SO
ZA100-90	3000-SO-46
ZC100-90	3000-SO-42
ZRB100-90	3000-SO-3
Z101	3001
Z103	3046
Z104	*3000-32
ZA104	*3000-46
ZC104	*3000-42
ZRB104	*3000-3
Z105	3007-32
ZA105	3007-46
ZC105	3007-42
ZRB105	3007-3
Z105-90	3007-SO-32
ZA105-90	3007-SO-46
ZC105-90	3007-SO-42
ZRB105-90	3007-SO-3
Z107	3000-E-32
ZA107	3000-E-46
ZC107	3000-E-42
ZRB107	3000-E-3
Z108	3061-46
Z108-90	3061-SO-46
Z110	3350
Z110-AI	3355
ZS110-9	Contact Factory
ZS110-9-AI	Contact Factory
Z111	*3011-42
ZRB111	*3011-3
Z121	3011-32
ZA121	3011-46
ZRB121	3011-3
Z121-90	3011-SO-32
ZA121-90	3011-SO-46
ZRB121-90	3011-SO-3
Z122	3062-46
Z125	3012-32
ZA125	3012-46
ZC125	3012-42
ZRB125	3012-3
Z125-90	3012-SO-32
ZA125-90	3012-SO-46
ZC125-90	3012-SO-42
ZRB125-90	*3012-SO-3
Z127	3063-46
Z130	WH300,400
Z131	WH301,401
Z150	3101-12
ZB150	3101-2
ZN150	3101-1
Z150-90	3101-SO-12
ZB150-90	3101-SO-2
ZN150-90	3101-SO-1
ZB150-DT	Coming Soon
ZN150-DT	Coming Soon
Z154	3111-12
ZB154	3111-2
ZN154	3111-1
Z154-90	3111-SO-12
ZB154-90	3111-SO-2
ZN154-90	3111-SO-1
ROOF DRAINS	
ZB154-DT	Coming Soon
ZN154-DT	Coming Soon
Z158	3121-12
ZB158	3121-2
ZN158	3121-1
Z158-90	3121-SO-12

ZURN	WADE
ROOF DRAINS	
ZB158-90	3121-SO-2
ZN158-90	3121-SO-1
ZB158-DT	3121-DCT-2
ZN158-DCT	3121-DCT-1
ZRB160	3271-3
ZB160	3271-2
ZN160	3271-1
ZARB161	No Equal
ZAB161	No Equal
ZABN161	No-Equal
Z163	3041-32
ZA163	3041-46
ZC163	3041-42
ZRB163	3041-3
Z164	3042-32
ZA164	3042-46
ZRB164	3042-42
Z165	3043-32
ZA165	3043-46
ZRB165	3043-3
Z166	3049
ZRB180	3241-3
ZB180	3241-2
ZN180	3241-1
ZRB181	3240-3
ZB181	3240-2
ZN181	3240-1
ZRB182	*3230-3
ZB182	*3230-2
ZN182	*3230-1
ZRB185	3230-3
ZB185	3230-2
ZN185	3230-1
Z187 6" x 7"	3270-12
ZB187 6" x 7"	3270-2
ZN187 6" x 7"	3270-1
ZRB187 6" x 7"	3270-3
Z187 8" x 12"	3270-12
ZB187 8" x 12"	3270-2
ZN187 8" x 12"	3270-1
Z187-FG 6" x 7"	3290-12
ZB187-FG 6" x 7"	3290-2
ZN187-FG 6" x 7"	3290-1
ZRB187-FG 6" x 7"	3290-3
Z187-FG 8" x 12"	3290-12
ZB187-FG 8" x 12"	3290-2
ZN187-FG 8" x 12"	3290-1
Z189	3290-45O-12
ZB189	3290-45O-2
ZN189	3290-45O-1
ZRB190	3900
Z191	3930
Z191-RD	3931
Z192	3932
Z193	3690
Z195	3600
Z196	3671
Z197	*3600
Z198	3947
ZANB199	3940-1
ZARB199	3940-3
ZAB199	3940-2
ZS199DC	3941-85
ZS1990HC	3942-85
ROOF DRAINS OPTIONS	
AC	53
AR	AR
AW	AW
BS	49
C	53
DE	AE
DP	189

ZURN	WADE
ROOF DRAIN OPTIONS	
DR	AE
DU	281
DX	E
E	DF
EA	ADF
EB	EB
ES	DF
FG	48
FS	8
G	39
GD	40
HD	47
MS	126
R	52
SC	SC
ST	ST
SS	50
VP	5
W2	SD
W3	SD
W4	SD
XJ	Refer to 3900
Z	32
ZA	46
ZB	2
ZC	42
ZN	1
ZRB	3
ZS	85
10	FCS
84	DP
85	DFS
89	D
90	SO
ZB300	*9300-2-93
ZN300	9300-1-93
ZB310	9300-2
ZN310	9300-1
ZB315	1100-L-2
ZN315	1100-L-1
ZB319	*9400-85
ZN319	*9400-85
ZB320	1830-2
ZN320	1830-1
Z325	900-EF6-NH-31
Z326	900-EF6-NH
ZARB326	900-EF6-NH
Z328	EF4,EF6
ZB328	EF4-2, EF6-2
ZN328	EF4-1, EF6-1
Z329	EG8
ZB329	EG8-2
FLOOR DRAINS	
ZN329	EG8-1
Z348	1862
ZB348	1862-3
Z349	1861
ZB349	1861-2
ZN349	1861-3
ZB350	1860-2
ZN350	1860-1
ZRB352	1865-3
ZB355	1840-2
ZN355	1840-1
ZB356	1850-C5-2
ZN356	1850-C5-1
ZB400-B	A-2
ZN400-B	A-1
ZS400-BS	A-85
ZB400-BL	DT-2
ZN400-BL	DT-1
ZB400-BZ	DA-2
ZN400-BZ	DA-1

ZURN	WADE
FLOOR DRAINS	
ZB400-C	D-1
ZN400-C	D-2
ZB400-D	VD-2
ZN400-D	VD-1
ZB400-E	WW-2
ZN400-E	WW-1
ZB400-G	K-2
ZN400-G	K-1
ZB400-H	FC-2
ZN400-H	FC-1
ZB400-I	ER-2
ZN400-I	ER-1
ZB400-J	H-2
ZN400-J	H-1
ZB400-K	AS-2
ZN400-K	AS-1
ZB400-M	A-2-27
ZN400-M	A-1-27
Z400-N	TS-12
ZB400-N	TS-2
ZN400-N	TS-1
ZB400-O	F-2
ZN400-O	F-1
ZB400-P	WD-2
ZN400-P	WD-1
ZB400-S	G-2
ZN400-S	G-1
ZS400-SS	G-85
ZB400-SC	BS-2
ZN400-SC	BS-1
ZB400-SH	N-2
ZN400-SH	N-1
ZB400-SL	DTS-2
ZN400-SL	DTS-2
ZB400-SR	1100-A-2-DIA
ZN400-SR	1100-A-1-DIA
ZB400-SZ	Contact Factory
ZN400-SZ	Contact Factory
ZB400-T	P-2
ZN400-T	P-1
Z400-U	EA
ZN400-U	EA
ZB415-B	1100-A-2
ZN415-B	1100-A-1
ZS415-BS	1100-A-85
ZB415-BL	1100-DT-2
ZN415-BL	1100-DT-1
ZB415-BZ	1100-DA-2
ZN415-BZ	1100-DA-1
ZB415-C	1100-D-2
ZN415-C	1100-D-1
ZB415-D	1100-VD-2
ZN415-D	1100-VD-1
ZB415-E	1100-WW-2
ZN415-E	1100-WW-1
ZB415-G	1100-K-2
ZN415-G	1100-K-1
ZB415-H	1100-FC-2
ZN415-H	1100-FC-1
ZB415-I	1100-ER-2
ZN415-I	1100-ER-1
ZB415-J	1100-H-2
ZN415-J	1100-H-1
ZB415-K	1100-AS-2
ZN415-K	1100-AS-1
ZB415-M	1100-A-2-27
ZN415-M	1100-A-1-27
Z415-N	1100-TS-12
ZB415-N	1100-TS-2
ZN415-N	1100-TS-1
ZB415-O	1100-F-2
ZN415-O	1100-F-1
ZB415-P	1100-WD-2

ZURN	WADE
FLOOR DRAINS	
ZN415-P	1100-WD-1
ZB415-S	1100-G-2
ZN415-S	1100-G-1
ZS415-S	1100-G-85
ZB415-SC	1100-BS-2
ZN415-SC	1100-BS-1
ZB415-SH	1100-N-2
ZN415-SH	1100-N-1
ZB415-SL	1100-DTS-2
ZN415-SL	1100-DTS-1
ZB415-SZ	Contact Factory
ZN415-SZ	Contact Factory
ZB415-T	1100-P-2
ZN415-T	1100-P-1
ZB420	Contact Factory
ZN420	Contact Factory
ZB450-B	1140-A-2
ZB450-B	1140-A-1
ZB451-B	Contact Factory
ZN451-B	Contact Factory
ZB453-B	1120-A-2
ZN453-B	1120-A-1
ZB455	1121-A-2
ZN455	1121-A-1
ZB456	1121-A-2
ZN456	1121-A-2
ZB460B-B	1070-A-2
ZN460B-B	1070-A-1
ZN461	810-S-1
Z503	1400
ZB503	1400-2
ZN503	1400-1
Z504	1200
ZB504	1200-2
ZN504	1200-1
Z505	1210
ZB505	1210-2
ZN505	1210-1
Z505-90	1210-SO
ZB505-90	1210-SO-2
ZN505-90	1210-SO-1
Z507	1030
ZB507	1030-1
ZN507	1030-1
Z508	1310
ZB508	1310-2
ZN508	1310-1
Z508-90	1310-SO
ZB508-90	1310-SO-2
ZN508-90	1310-SO-1
Z509	1200-12
ZB509	1200-2
ZN509	1200-1
Z509-90	1210-SO-12
ZB509-90	1210-SO-2
ZN509-90	1210-SO-1
Z511	1320-12
ZB511	1320-2
ZN511	1320-1
Z512	1210-12
ZB512	1210-2
ZN512	1210-1
Z512-90	1210-SO-12
ZB512-90	1210-SO-2
ZN512-90	1210-SO-1
Z513	2120-12-27
ZB513	2120-2-27
ZN513	2120-1-27
Z516	1200-12
ZB516	1200-2
ZN516	1200-1

ZURN	WADE
FLOOR DRAINS	
Z517	1320-12
ZB517	1320-2
ZN517	1320-1
Z520	1340-12
ZB520	1340-2
ZN520	1340-1
Z520-90	1300-SO-12
ZB520-90	1300-SO-2
ZN520-90	1300-SO-1
Z521	1240-12
ZB521	1240-2
ZN521	1240-1
Z525	1340-12
ZB525	1340-1
ZN525	1340-1
Z525-90	1300-SO-12
ZB525-90	1300-SO-2
ZN525-90	1300-SO-1
Z526	1240-12
ZB526	1240-2
ZN526	1240-1
ZB529	1310-2-14-18-19
ZN529	1310-1-14-18-19
Z530	1310-E-12
ZB530	1310-E-2
ZN530	1310-E-1
Z531	1310-E-12
ZB531	1310-E-2
ZN531	1310-E-1
Z532	1200-E-12
ZB532	1200-E-2
ZN532	1200-E-1
Z533	1317-12
ZB533	1317-2
ZN533	1317-1
Z534	1207-12
ZB534	1207-2
ZN534	1207-1
Z535	2367-12
Z536	1407-12
ZB536	1407-2
ZN536	1407-1
Z537	2397-12
ZB537	2397-2
ZN537	2397-1
Z538	1220-TD-12
ZB538	1220-TD-2
ZN538	1220-TD-1
Z539	1220-12-27
ZB539	1220-2-27
ZN539	1220-1-27
Z540	1210-TD-12
ZB540	1210-TD-2
ZN540	1210-TD-1
Z540-90	1210-TD-12-SO
ZB540-90	1210-TD-2-SO
ZN540-90	1210-TD-1-SO
Z541	1210-12-27
ZB541	1210-2-27
ZN541	1210-1-27
Z541-90	1210-12-27-SO
ZB541-90	1210-2-27-SO
ZN541-90	1210-1-27-SO
Z543	1410-12-27
ZB543	1410-2-27
ZN543	1410-1-27
Z543-90	1410-12-27-SO
ZB543-90	1410-2-27-SO
ZN543-90	1410-1-27-SO
Z545	1410-12
ZB545	1410-2

ZURN	WADE
FLOOR DRAINS	
ZN545	1410-1
Z545-90	1410-12-SO
ZB545-90	1410-2-SO
ZN545-90	1410-1-SO
Z546	1700-12
Z547	Contact Factory
Z548	2050
ZB548	2050-2
ZN548	2050-1
Z550	1310-12
ZB550	1310-2
ZN550	1310-1
Z551	1640-12
ZB551	1360-2
ZN551	1640-1
Z551-90	1310-12-SO
ZB551-90	1310-2-SO
ZN551-90	1310-1-SO
Z553	Contact Factory
Z554	1310-TD-12
ZB554	1310-TD-2
ZN554	1310-TD-1
Z554-90	1310-TD-12-SO
ZB554-90	1310-TD-2-SO
ZN554-90	1310-TD-1-SO
Z556	1040
ZB556	*1040-1
ZN556	1040-1
Z556-90	1040-12-SO
ZB556-90	*1040-1-SO
ZN556-90	1040-1-SO
Z560	1650-12
Z566	2370-8-21
ZB566	2370-2-8-21
ZN566	2370-1-8-21
Z568	2390-8-21
ZB568	2390-2-8-21
ZN568	2390-1-8-21
ZB572	2740S-2
ZN572	2740S-1
ZB573	2750L-2
ZN573	2750L-1
ZB574	2760L-2
ZN574	2760L-1
Z575	1760-12
ZB575	1760-2
ZN575	1760-1
Z576	1760-12
ZB576	1760-2
ZN576	1760-1
Z585	Contact Factory
ZB585	Contact Factory
ZN585	Contact Factory
Z586	Contact Factory
ZB586	Contact Factory
ZN586	Contact Factory
Z587	Contact Factory
Z609	2110-12
ZB609	2110-2
ZN609	2110-1
Z610	2310-12-27
ZB610	2310-2-27
ZN610	2310-1-27
Z611	2350-12-27
ZB611	2350-2-27
ZN611	2350-1-27
Z624	2000 & 1640-12
ZB624	2000 + 1640-2
ZN624	2000 & 1640-1
ZB625	2000 & 1100-A-2
ZN625	2000 &1100-A-1
Z626	2000 & 8000-12

ZURN	WADE
FLOOR DRAINS	
ZB626	2000 & 8000-2
ZN626	2000 & 8000-1
Z627	2000 & 1300-12
ZB627	2000 & 1300-2
ZN627	2000 +1300-1
Z629	1780-12
ZB629	1780-2
ZN629	1780-1
Z645	1740-12
ZB645	1740-2
ZN645	1740-1
Z662	2360-12-27
ZB662	2360-2-27
ZN662	2360-1-27
Z662-HF	2360-WS-12-27
ZB662-HF	2360-WS-1-27
ZN662-HF	2360-WS-2-27
Z664	2350-12
ZB664	2950-2
ZN664	2950-1
Z665	2920-12
ZB-665	2920-1
ZN665	2920-1
Z667	2950A-12
ZB667	2950A-2
ZN667	2950A-1
Z668	1891-12
ZB668	1891-2
ZN668	1891-1
Z670	1867
Z673	1890
Z675	2340-12-27
Z676	2340-12
ZB676	2390-1
ZN676	2390-1
Z679	1310-12 w/ 1310-12-18
ZB679	1310-2 w/ 1310-2-18
ZN679	1310-1 w/ 1310-1-18
Z690	2050-12-GSC
ZB690	2050-2-GSC
ZN690	2050-1-GSC
Z730	1370-12
ZB730	1370-2
ZN730	1370-1
Z742	2210-12
ZB742	2210-2
ZN742	2210-1
Z753	Contact Factory
ZB753	Contact Factory
ZN753	Contact Factory
Z761	2080-12
ZB761	2080-2
ZN761	2080-1
ZARB780	2905-3
ZAB780	2905-2
ZANB780	2905-1
Z782	2906-12
ZARB784	2902-3
ZAB784	2902-2
ZANB784	2902-1
Z792	2902-12
ZARB792	2902-3
ZAB792	2902-2
ZANB792	2902-1
Z793	2902-12
Z794	2902
ZARB794	2902-3
ZAB794	2902-2
ZANB794	2902-1
Z664	2950
ZB664	2950-1
ZN664	2950

ZURN	WADE
FLOOR DRAINS	
Z665	2920
ZB665	2920-1
ZN665	2920
Z667	2950
FLOOR DRAIN OPTIONS	
AA	ARE
AR	ARC
BT	30
BP	33
C	24
CI	12
CP	102
D	7
DB	9
DG	12
DP	DP
DS	18
DX	E
EF	23
F	23
FC	PC
FG	48
G	39
GG	40
H	14
HC	14-18
HD	AX
HL	14-19
HLC	14-18-19
HP	11
HT	4-14
IG	TY
IP	IPS
J	37
L	19
LG	21
LH	180
LY	29
NH	NH
NL	TY
OF	EG8
P	6
PC	DC
PH	ADA
PK	PK
S	8
SA	DIA
SB	SB
SC	18
SD	58
SG	81
SR	DIA
SS	50
ST	18
SQ	DIA
SW	SW
TC	4420
TS	5S
U	94
VP	5
W	33
WB	WCB
WS	WS
VP	VP
V	31
Y	27
YC	27C
XJ	XJ
Z	12
ZAB	2
ZANB	1
ZARB	3
ZB	2

ZURN	WADE
FLOOR DRAIN OPTIONS	
ZN	1
4	EF4
6	EF6
90	SO
TRAPS, PRIMERS & BWV'S	
ZURN	WADE
Z1000	4450
Z1005	Contact Factory
ZB1005	Contact Factory
ZN1005	Contact Factory
Z1012	Contact Factory
Z1019	4450-EF
ZAB1019	4450-EF-2
ZABN1019	4450-EF-1
Z1021	4401
Z1022	4402
Z1023	4456
Z1024	4490
Z1025	4490
ZARB1025	Contact Factory
Z1030	4455
Z1032	2429
Z1033	Contact Factory
Z1034	Contact Factory
Z1035	DIA
Z1036	DIA
Z1040	4456
Z1042	Contact Factory
Z1043	Contact Factory
Z1088	Contact Factory
Z1090	4200
Z1091	Contact Factory
Z1095	4200
Z1099	4456-31
TRAPS, PRIMERS & BWV'S OPTIONS	
AR	ARC
BP	33
BC	BC
BV	31
C	24
CP	102
DS	9
DU	DU
F6	EF6
FC	FC
FL	38
G	39
P	6
Z	12
ZAB	2
ZANB	1
ZARB	3
ZB	2
ZN	1
WH	Contact Factory
WL	M
DU2	DU
DU3	DU
DU4	DU
3	187
7	56
12	56
24	56
INTERCEPTORS	
Z1160	5100
Z1165	5100 w/ 5760
Z1170	5100
ZS1170	5101
Z1171	5105
Z1171-TD	5106
Z1172	5200

ZURN	WADE
INTERCEPTORS	
Z1173	5102
Z1173-TD	5103
Z1174	5103 w/ 5760
Z1175	5750
ZAB1175	5750-2
ZCP	5750-103
Z1176	5750
ZAB1176	5750-2
ZCP1176	5750-103
Z1180	5740
Z1181	5741
ZS1182	5770
Z1183	5760
ZS1183	5760-85
Z1183-DF	5760-174
ZS1183-DF	5760-85-174
Z1183-FC	5760-XT
Z1184	*5720
ZA1184	5720
Z1185	5600
Z1186	5400
Z1186-ST	5500
Z1187	5900
Z1187-SI	5810
Z1188	5401
Z1188-ST	5501
Z1189	5800-271
Z1192	Contact Factory
Z1196	Contact Factory
Z1198	Contact Factory
Z1199	Contact Factory
INTERSCEPTOR OPTIONS	
ZURN	WADE
AL	113
CP	103
DI	DI
E	XT
HD	HD
K	24
KC	26
L	Contact Factory
PW	PW
R	FH
RE	FHT
T	T
YR	WP-27
Z	Standard Feature
CLOSET CARRIERS	
ZURN	WADE
Z1201N	Contact Factory
Z1201-H	Contact Factory
Z-1202N	Contact Factory
Z1202-H	Contact Factory
Z1203-NR3	311-NR3
Z1203-NL3	311-NL3
Z1203-ND3	311-ND3
Z1203-NR3-X	311-NR3-HD
Z1203-NL3-X	311-NL3-HD
Z1203-NL4	311-NL4
Z1203-NR4	311-NR4
Z1203-ND4	311-ND4
Z1203-NL4-X	311-NL4-HD
Z1203-NR4-X	311-NR4-HD
Z1203-NL4-XB	311-NL4-XB
Z1203-NR4-XB	311-NR4-XB
Z1203-ND4-XB	311-ND4-XB
Z1203-NR3-XH	311-NR3-XH
Z1203-NL3-XH	311-NL3-XH
Z1203-ND3-XH	311-ND3-XH
Z1203-NR4-XH	311-NR4-XH
Z1203-NL4-XH	311-NL4-XH
Z1203-ND4-XH	311-ND4-XH
ZE1203-NL4	311-NL4-36

ZURN	WADE
CLOSET CARRIERS	
ZE1203-NR4	311-NR4-36
ZE1203-ND4	311-ND4-36
Z1203-HL4	311-CL4
Z1203-HR4	311-CR4
Z1203-HD5	311-CD4
ZE1203-HL4	311-CL4-36
ZE1203-HR4	311-CR4-36
ZE1203-HD4	311-CD4-36
ZF1203	Contact Factory
Z1204-H4	330-CR4
Z1204-H5	330-CR5
Z-1204-H6	330-CR6
Z1204-HD4	330-CD4
Z1204-HD5	330-CD5
Z1204-HD6	330-CD6
Z1204-1HL4	330-CL44-A1
Z1204-1HR4	330-CR44-A1
Z1204-1HD4	330-CD44-A1
Z1204-1HD54	330-CD54-A1
Z1204-1HD55	N/E
Z1204-1HD64	330-CD64-A1
Z1204-1HD65	N/E
Z1204-2H4	330-CR44-A2
Z1204-2H54	330-CR54-A2
Z1204-2H55	N/E
Z1204-2H64	330-CR64-A2
Z1204-2H65	N/E
Z1204-2HD4	330-CD44-A2
Z1204-2HD54	330-CD54-A2
Z1204-2HD55	N/E
Z1204-2HD64	330-CD64-A2
Z1204-2HD65	N/E
Z1204-N4	330-N44
Z1204-N5	330-NR54
Z1204-N6	330-NR64
Z1204-ND4	330-ND44
Z1204-ND5	330-ND54
Z1204-ND6	330-ND64
Z1204-1NL4	330-NL44-A1
Z1204-1NR4	330-NR44-A1
Z1204-1NL43	330-NL43-A1
Z1204-1NR43	330-NR43-A1
Z1204-1NL54	330-NL54-A1
Z1204-1NR54	330-NR54-A1
Z1204-1NL55	N/E
Z1204-1NR55	N/E
Z1204-1NL64	330-NL64-A1
Z1204-1NT64	330-NR64-A1
Z1204-1NL65	N/E
Z1204-1NR65	N/E
Z1204-1ND4	330-ND44-A1
Z1204-1ND4	330-ND43-A1
Z1204-1ND54	330-ND54-A1
Z1204-1NL55	N/E
Z1204-1NR55	N/E
Z1204-1ND55	N/E
Z1204-1ND64	330-ND64-A1
Z1204-1ND65	N/E
Z1204-2N4	330-NR44-A2
Z1204-2N43	330-NR43-A2
Z1204-2N54	330-NR54-A2
Z1204-2N55	N/E
Z1204-2N65	N/E
Z1204-2ND4	330-ND44-A2
Z1204-2ND43	330-ND43-A2
Z1204-2ND54	330-ND54-A2
Z1204-2ND55	N/E
Z1204-2ND64	330-ND64-A2
Z1204-2ND65	N/E
Z1204-N4-X	330-NR4-HD
Z1204-N5-X	330-NR5-HD
Z1204-N6-X	330-NR6-HD

ZURN vs WADE CROSS REFERENCE

ZURN	WADE
CLOSET CARRIERS	
Z1204-N4-XB	330-NR4-XB
Z1204-ND4-XB	330-ND4-XB
Z1204-N5-XB	330-NR5-XH
Z1204-ND5-XB	330-ND5-XB
Z1204-N6-XB	330-NR6-XB
Z1204-ND6-XB	330-ND6-XB
Z1204-N4-XH	330-NR4-XH
Z1204-ND4-XH	330-ND4-XH
Z1204-N5-XH	330-NR5-XH
Z1204-ND5-XH	330-ND5-XH
Z1204-N6-XH	330-NR6-XH
Z1204-ND6-XH	330-ND6-XH
ZF1204	Contact Factory
ZN1204	Contact Factory
Z1207-NL4	311-NL4-HR
Z1207-NR4	311-NR4-HR
Z1207-HD4	311-ND4-HR
Z1208-N32	N/E
Z1208-N42	350-N2
Z1208-N44	350-N4
Z1208H42	350-C2
Z1208H44	350-C4
ZN1208-N32	N/E
ZN1208-N42	350-N2
ZN1208-N44	350-N4
ZN1208-H42	350-C2
ZN1208-H44	350-C4
Z1209-NL4	360-NL4
Z1209-NR4	360-NR4
Z1209-ND4	360-ND4
Z1209-HL4	360-CL4
Z1209-HR4	360-CR4
Z1209-HD4	360-CD4
ZN1209-NL4	360-NL4
ZN1209-NR4	360-NR4
ZN1209-ND4	360-ND4
Z1212	397
Z1213	350-N2-M14
Z1214	350-N2-M14
Z1215	362-N4
Z1216	362-N4
CLOSET CARRIER OPTIONS	
ZURN	WADE
A	M4
B	STD
BC	BC
BE	36
CC	M26
CL	ECC
F	M14
G	39
JC	UA
JJ	JJ
JL	JL
JR	JR
M	M4
RYK	LR
T	MTO
VP	M3
W	MTO
XH	MTO
X3	36
X4	MTO
ZE	36
ZN	Narrow Wall
ZF	Fixed Faceplate
29	AM22
45	AM21
50	AM1
58	AM1
61	MTO

ZURN	WADE
FIXTURE CARRIERS	
Z1217	640-N2
Z1218	640
Z1221	401
Z1221-D	401-D
Z1222	402
Z1222-D	402-D
Z1223	630
Z1224	404
Z1224-D	404-D
Z1225	403
Z1225-D	403-D
Z1229	620
Z1231	520
Z1231-D	520-D
Z1231-EZ	525
Z1231-EZD	525-D
Z1231-EZR	525
Z1231-EZRD	525-D
Z1236	510
Z1236-D	510-D
Z1251	574
Z1253	571CA
Z1254	572CA
Z1255	571EA
Z1256	572EA
Z1257	571EA
Z1258	572EA
Z1259	461
Z1259-BP	462-AM11
Z1259-D	462
Z1259-DB	462 w/ (2) AM11's
Z1259-SP	462
Z1259-2	461AM11
Z1280-N3-2	N/E
Z1280-N4-2	350-N2-M15
Z1282-H4	N/E
Z1282-H4-2	N/E
Z1282-HD4	N/E
Z1283-P3	380-P3
Z1284-N4	360-N4
Z1285	380-P3
Z1290	N/E
FIXTURE CARRIER OPTIONS	
A	M4
B	STD
BC	BC
BL	BL
BS	AM28
CC	M26
CB	CB
CL	ECC
E	M23
G	39
M	M4
SL	M24
T	MTO
VP	M3
WS	AM1
XH	HD
X1	XHF
X3	XHF
X4	XHF
Y	M2
29	AM22
45	AM21
50	AM1
58	AM1
HYDRANTS	
Z1300	8700
Z1305	8704
Z1310	8600
Z1315	8604

ZURN	WADE
HYDRANTS	
Z1320	8701
Z1320-EZ	8701-BB
Z1321	8601
Z1322-EZ	8701-CD
Z1325	8706
Z1330	8708
Z1332-EZ	8708-CD
Z1333	8608
Z1335	8707
Z1350	8709
Z1360	8800
Z1365	Contact Factory
Z1370	8801
Z1375	8707
Z1385	8900
Z1388	8900-R
Z1395	Contact Factory
Z1397	Contact Factory
HYDRANT OPTIONS	
CL	CL
SS	SS
WC	87
34FS	258
34UN	91
PB	PB
SB	128
34FIP	275
K	24
KC	26
CLEANOUTS	
ZURN	WADE
Z1400	8000-12
ZB1400	8000-2
ZN1400	8000-1
ZS1400	8000-85
ZB1400-BZ	8010-2
ZN1400-BZ	8010-1
ZS1400-BZ	8010-85
Z1402	8200-12
ZB1402	8200-2
ZN1402	8200-1
Z1404	8400-12
ZB1404	8400-2
ZN1404	8400-1
Z1406	6000-12
ZB1406	6000-2
ZN1406	6000-1
Z1440	8550
Z1441	8304-85-COF
ZB1443	8301-2-164-COF
ZN1443	8301-1-164-COF
ZB1444	8300-2-COF
ZN1444	8300-1-COF
Z1445	8560
Z1446	8304-85-COT
ZB1446	8304-2-COT
ZB1447	8301-2-164-COT
ZN1447	8301-1-164-COT
ZB1448	8300-2-COT
ZN1448	8300-1-COT
Z1449	6000
Z1454	8040-12
ZB1454	8040-2
ZN1454	8040-1
Z1455	8020-12
ZB1455	8020-2
ZN1455	8020-1
ZAB1456	Contact Factory
ZANB	Contact Factory
ZAB1457	Contact Factory
ZANB1457	Contact Factory
ZAB1460	8301-2-164

ZURN	WADE
CLEANOUTS	
ZAN1460	8301-1-164
Z1461	8302-12
ZAB1461	8302-2
ZAN1461	8302-1
ZAB1462	8303-2
ZAN1462	8303-1
ZAB1463	8300-2
ZAN1463	8300-1
ZS1464	4440
Z1467	4441
ZAB146	8304-2-COP
ZS1468	8304-85-COP
ZAB1469	8304-2
ZAN1469	8304-85
ZARB1470	8590-75
ZANB1471	3880-2
ZANB1471	3880-1
ZAB1472	Contact Factory
ZAN1472	Contact Factory
Z1473	3690
Z1474	8401-12
ZB1474	8401-2
ZN1474	8401-1
ZS1475	8305
CLEANOUT OPTIONS	
ZURN	WADE
AR	ARC
BP	75
CF	CF
CM	CM
DC	12
DX	E
G	39
HD	HD
K	24
KC	26
PW	PW
SG	81
SL	79
SM	83
ST	164
T	T
TX	TS
VP	5
X	T
Z	U
WATER HAMMER ARRESTORS	
Z1700	4480
Z1712	Contact Factory
STAINLESS STEEL	
ZURN	WADE
Z1715	Contact Factory
ZM1715	Contact Factory
Z1717	3270SS
ZM1717	3270SS-316
Z1719	1300SS-E
ZM1719	1300SS-E-316
Z1720	9410
ZM1720	9410-316
Z1721	9440
ZM1721	9440-316
Z1723	1750SS
ZM1723	1750SS-316
Z1724	EF4-85
ZM1724	EF4-316
Z1725	EG8-85
ZM1725	EG8-316
Z1726	1100SS-A-85
ZM1726	1100SS-A-316
Z1727	1100SS-G-85
ZM1727	1100SS-G-316
Z1730	1300SS
ZM1730	1300SS-316

ZURN	WADE
STAINLESS STEEL	
ZM1731	1300SS-316
Z1732	1340SS
ZM1732	1340SS-316
Z1735	1200SS
ZM1735	1200SS-316
Z1736	1200SS-13
ZM1736	1200SS-13-316
Z1737	1400SS
ZM1737	1400SS-316
Z1738	1370SS
ZM1738	1370SS-316
Z1739	1780SS
ZM1739	1780SS-316
Z1740	Contact Factory
Z1745	8200SS
ZM1745	Contact Factory
Z1749	9720-9
ZM1749	9720-9-316
Z1750	9730-9
ZM1750	9730-9-316
Z1751	9740-9
ZM1751	9740-9-316
Z1752	9750-9
ZM1752	9750-9-316
Z1753	9730-30-114
ZM1753	9730-30-114-316
Z1755	9730-FC
Z1761	2890SS-A
Z1762	2890SS-LA-ADA
Z1763	2890SS-LC-ADA
Z1770	Contact Factory
Z1771	Contact Factory
Z1800 Series	Contact Factory
STAINLESS STEEL OPTIONS	
BW	BW
C	53-39
D	7
DB	9
DP	189
DX	E
E	DF-39
HD	HD
HP	11
IC	IC
IP	IPS
K	24
KC	24-26
LBT	LBT
LSH	LSH
P	6
PB	-223
R	52-39
RD5	A5-85
RD7	A6-85
RD8	A8-85
RD10	A10-85
SB	218
SC	81
SF	Standard
SG	18
SQ5	G5-85
SQ6	G6-85
SQ8	G8-85
SV	-31-304
SW	Contact Factory
TC	Contact Factory
TS	TS
VP	5
Y	27
YM	-223
Z	WADE Standard Feature
ZM	316
1	21

ZURN	WADE
STAINLESS STEEL OPTIONS	
2	15
3	16
4	17
5	EF4
8	EG8
15	18
16	15-18
17	16-18
18	17-18
19	14
20	14-18
30	75
31	74
33	73
34	-75-259
90	SO
FLOOR SINKS	
Z1900	9130LF
ZN1900	9130LF-1
Z1901	9140LF
ZN1901	9140LF-1
Z1902	9150LF
ZN1902	9150LF-1
Z1910	9110
ZN1910	9110-1
Z1920	9160
ZN1920	9160-1
FLOOR SINKS	
Z1926	9170
ZN1926	9170-1
Z1930	9200
ZN1930	9200-1
Z1940	9240
ZN1940	9240-1
Z1950	9040
ZN1950	9040-1
Z1960	9010
ZN1960	9010-1
Z1970	9000
ZN1970	9000-1
Z1982	1970
Z1995	*8190R-64
FLOOR SINKS OPTIONS	
C	26
DX	E
HD	MTO
HP	11
K	24
KC	24-26
LD	10
P	6
S	8
T	4
WB	2440S
1	21
2	15
3	16
4	17
5	EF4
6	EF6
7	EG8
8	107
9	5
11	20
12	18
15	18
16	15-18
17	16-18
18	17-18
19	MTO
23	27
25	111
31	123

SMITH	WADE
CLOSET CARRIERS	
0115D	*311-ND4-H
0115DY	311-ND4-H
0115L	*311-NR4-H
0115LY	311-NL4-H
0115R	*311-NR4-H
0115RY	311-NR4-H
0175D	330-CD4-A1
0175DY	330-ND4-A1
0175L	330-CL4-A1
0175LY	330-NL4-A1
0175R	340-CR4-A1
0175RY	330-NR4-A1
0185L	330-CL4-A2
0185R	330-CR4-A2
0185D	330-CD4-A2
0185DY	330-ND4-A2
0185LY	330-NL4-A2
0185RY	330-NR4-A2
0208LY	311-NL4
0208RY	311-NR4
0208DY	311-ND4
0209LY	311-NL4-UA
0209RY	311-NR4-UA
0210D	311-CD4
0210DY	311-ND4
0210L	311-CL4
0210LY	311-NL4
0210R	311-CR4
0210RY	311-NR4
0211LY	311-NL4
0211RY	311-NR4
0211DY	311-ND4
0219LY	311-NL4-UA-36
0219RY	311-NR4-UA-36
0220D	311-CD4-36
0220DY	311-ND4-36
0220L	311-CL4-36
0220LY	311-NL4-36
0220R	311-CR4-36
0220RY	311-NR4-36
0221LY	311-NL4-36
0221RY	311-NR4-36
0221DY	311-ND4-36
0230	330-CL4
0230D	330-CD4
0230DY	330-ND4
0230Y	330-NL4
0240D	330-CD44-A1
0240DY	330-ND44-A1
0240L	330-CL44-A1
0240LY	330-NL44-A1
0240R	340-CR44-A1
0240RY	340-NR44-A1
0250	330-CL44-A2
0250D	330-CD44-A2
0250DY	330-ND44-A2
0250LY	330-NL44-A2
0260	330-CL4
0260D	330-CD4
0270D	330-CD44-A1
0270L	330-CL44-A1
0270R	340-CR44-A1
0280	330-CL44-A2
0280D	330-CD44-A2

SMITH	WADE
CLOSET CARRIERS	
0310D	311-CD4
0310DY	311-ND4
0310L	311-CL4
0310LY	311-NL4
0310R	311-CR4
0310RY	311-NR4
0315D	311-ND4-H
0315DY	311-ND4-H
0315L	311-NL4-H
0315LY	311-NL4-H
0315R	311-NR4-H
0315RY	311-NR4-H
0320D	311-CD4-36
0320DY	311-ND4-36
0320L	311-CL4-36
0320LY	311-NL4-36
0320R	311-CR4-36
0320RY	311-NR4-36
0330	330-CL4
0330DY	330-ND
0330Y	330-NLNR
0330D	330-CD
0340D	330-CD44-A1
0340DY	330-ND44-A1
0340L	330-CL44-A1
0340LY	330-NL44-A1
0340R	330-CR44-A1
0340RY	330-NR44-A1
0350	330-CL44-A2
0350D	330-CD44-A2
0350DY	330-ND44-A2
0360	330-CL4
0360D	330-CD4
0370D	330-CD4
0370L	330-CL44-A1
0370R	330-CR44-A1
0375D	330-CD44-A1
0375DY	330-ND44-A1
0375L	330-CL44-A1
0375LY	330-NL44-A1
0375R	330-CR44-A1
0375RY	330-NR44-A1
0380	330-CL44-A2
0380D	330-CD44-A2
0385	330-CL44-A2
0385D	330-CD44-A2
0385DY	330-ND42-A2
0385Y	330-NL44-A2
0410D	360-CD4
0410DY	360-CD4
0410L	360-C-L4
0410LY	360-CL4
0410R	360-CR4
0410RY	360-NL4
0411D	360-CD4-JS
0411DY	360-ND4-JS
0411L	360-CL4-JS
0411LY	360-NL4-JS
0411R	360-CR4-JS
0411RY	360-NR4-JS
0413DSW	360-CD4-JJ
0413LSW	360-CL4-JJ
0413RSW	360-CR4-JJ
0414DSW	360-CD4-JJ
0414LSW	360-CL4-JJ
0414RSW	360-CR4-JJ

SMITH	WADE
CLOSET CARRIERS	
0416DY	360-ND4-JV
0416LY	360-NL4-JV
0416RY	360-NR4-JV
0417D	360-CD
0417DY	360-ND
0417L	360-CL
0417LY	360-NL
0417R	360-CR
0417RY	360-NR
0419D	360-CD4-JS
0419DY	360-ND4-JS
0419L	360-CL4-JS
0419LY	360-NL4-JS
0419R	360-CR4-JS
0419RY	360-NR4-JS
0430D	360-CD4
0430DY	350-ND4
0430L	360-CL4
0430LY	371-NL4
0430R	360-CR4
0430RY	371-NR4
0431D	360-CD4-JS
0431DY	360-ND4-JS
0431L	360-CL4-JS
0431LY	360-NL4-JS
0431R	360-CR4-JS
0431RY	360-NR4-JS
0437L	360-CL4
0437LD	360-ND4
0437LY	360-NL4
0437R	360-CR4
0437RY	371-NR4
0440	350-C2
0440Y	350-N2
0444	Contact Factory
0444Y	Contact Factory
0447	350-C2
0447Y	350-N2
0450	350-C4
0450Y	350-N4
0456	350-C4
0457	350-C4
0457Y	350-N4
0480	350-C2
0480Y	350-N2
0484	Contact Factory
0484Y	Contact Factory
0487	Contact Factory
0487Y	Contact Factory
0490	350-C4
0490Y	350-N4
0532	Contact Factory
0532F	Contact Factory
0532FY	Contact Factory
0532Y	Contact Factory
0533	Contact Factory
0533F	Contact Factory
0533FY	Contact Factory
0542	350-C2-M13
0542F	350-C2-M13
0542FY	350-C2-M13
0544	350-C4-M13
0544D	360-CD4-M13
0544DY	360-CD4-M13
0544F	350-C4

SMITH	WADE
CLOSET CARRIERS	
0544FD	360-CD4-M13
0544FDY	360-CD4
0544FY	350-N4
0544Y	350-N4-M13
0548-3	380-C3
0548-4	380-C4
0548D3	380-CD3
0548F3	380-C3-M2
0548F4	380-C4-M2
0548FD3	380-CD3-M2
0548FP3	380-P3-M2
0548P	380-P3
0548DP	380-PD3
0550D3	Contact Factory
0550D4	360-CD4-M13
0550FD3	Contact Factory
0550FD4	360-CD
0550FL3	Contact Factory
0550FL4	360-CL4
0550FR3	Contact Factory
0550FR4	360-CR4
0550L3	Contact Factory
0550L4	360-CL
0550R3	Contact Factory
0550R4	360-CR
0600	397
0620	397
CLOSET CARRIER OPTIONS	
95	Standard Feature
M12	AM1
M13	AM21
M17	M54
M40	M4
M50	Standard Feature
M51	Standard Feature
M54	Standard Feature
M58	FPO
N	J
G	39
U	M3
99	M13
2	M15
2M	M15
FIXTURE CARRIERS	
0609	640-T43
0610	640-T44
0611	640-C4
0614	401
0615	402
0616	401
0617	402
0622	402
0623	401
0624	402
0628	402
0629	640-T43
0630	640-T44
0631	640-T44
0632	640-T42
0633	640-T43
0634	401
0635	402
0636	401
0636D	401D
0637	402

SMITH	WADE
FIXTURE CARRIERS	
0642	402
0643	401
0644	402
0648	402
0650Y	362
0651Y	362-A1
0660	Contact Factory
0661	Contact Factory
0672	350-C2-M14
0672Y	350-N2-M14
0674	350-C4-M14
0674Y	350-N4-M14
0675L	360-CL4-M14
0567LY	360-NL4-M14
0675R	360-CR4-M14
0675RY	360-NR4-M14
0675D	360-CD4-M14
0688L	360-CL4-M14
0688LY	360-NL4-M14
0688R	360-CL4-M14
0688RY	360-NR4-M14
0688D	360-CD4-M14
0688DY	360-ND4-M14
0700	520
0700-27	520-M24
0700D	520-D
0700-27-M31	520-M24-M36
0700D-27-M31	520-M24-M36
0700DE	520-D-M23
0700E	520-M23
0700-M31	520-M36
0710	525
0710D	525-D
0710-27	525
0710D-27	525-D
0710DE	525-D-M23
0710E	525-M23
0720	571-CA
0722	572-CA
0722E	572-CA-M23
0723	574
0723E	574-M23
0727	574
0727E	574-M23
0728	573-CA
0728E	573-M23
0750	510
0750D	510-D
0752	510-M19
0752D	510-D-M19
0760	515
0760D	515-D
0762	515-M19
0762D	515-D-M19
0770	571-EA
0772	571-EA-M19
0780	573-EA
0782	573-EA-M19
0790	574-EA
0792	574-EA-M19
0800	404
801	425
0801D	425-D
0805	405
0813	430

SMITH	WADE
FIXTURE CARRIERS	
0823	
0824	403-LBP
0825	462
0826	461
0827	462
0828	461
0830	403
0831	425
0834	403-BL
0844	404
0870	610
0870D	610-D
0871	610
0871D	610-D
0876	650
0913	640-T43
0914	640-T44
0915	640-C44
0915-1	640-C42
0915Y2	Contact Factory
0915Y3	Contact Factory
0915Y4	640-N42
0915Y5	640-N44
0923	640-T43
0924	640-T44
0925	640-C44
0925-1	640-C42
0925Y2	Contact Factory
0925Y3	Contact Factory
0925Y4	640-N42
0925Y5	640-N44
FIXTURE CARRIER OPTIONS	
27	M24
E	M23
E4	M23-4
E6	M23-6
KF	AM28
FW	AM27
M11	M18
M24	M4
M30 (Off Set Arms)	05 or 06
M31	M36
Z	NW
ROOF DRAINS	
1005	WH300-400
DX1010	3000-E
1010DEK	AE
1010	3000
1011	3000-DP
1015	3000-ADF
1017	3000-DFS
1018	3000-DFS-E
1019	3000-DP-E
1020	3000-SO
1070	3000-SD
1074	3000-SD-ADF
1080	3000-D
1083	3000-FCS
1085	3000-FCS
1088	3000-FCS-SO
1089	3000-FCS-SO
DX1240	1310-E
DX1250	*1310-E
1310	3011

SMITH	WADE
ROOF DRAINS	
1320	3011-SO
1330	3012
1340	3012-SO
1409	3101-DFS
1410	3101
1415	3101-ADF
1416	3115
1419	3101-DFS-E
1420	3101-SO
1450	3111
1460	3111-SO
1470	3121
1480	3121-SO
1510	3270
1520	3790
1530	3270-45O
1540	3290-45O
1550	3940-DE
1560	Contact Factory
1570	Contact Factory
1580	3271
1605	WH300
1610	3240-48
1620	3240
1630	3240-47
1640	3240-45O-47
1650	3240-45O
1660	3240-45O-47
1670	3230-48
1680	3230
1690	3230-47
1710	3900
1720	3600
1730	3947
1740	3671
1748	3690
1750	3671
1760	3600
1770	3940
1771	3941
1785	Contact Factory
1786	3930
1787	Contact Factory
1800	3041
1830	3043
1850	3042
ROOF DRAIN OPTIONS	
AA	Contact Factory
AD	46
B	27
BZS	95
C	53
C2	Standard Feature on DF
CID	42
CID8	42-47
CIDG	40
CIS	120
CL	53
D	7
DE	EB
DX	E
E	DF
G	39
GG	DP
GRT	48

SMITH	WADE
ROOF DRAIN OPTIONS	
HP	111
LD	LD
L	IC
M	Standard Feature
N3	37
NBM	HD1
PBM	HD2
PDSSM	32-50
R	52
RBD	3
RDP	189
SH	121
SEC	5
SSM	42-50
SW	TY
T	IPS
XH	TX
U	VP
WD	D
WR	W2
Y	NH
FLOOR DRAINS	
Strainer Assemblies	
A	A
B	G
BS	BS
C	AX
DXA	DT
DXB	DTS
D	TS
E	TR
F	F
F37	ER7
F38	ER9
G	K
H	VD
J	P
K	SX
L	H8
M	H12
N	Contact Factory
P	Contact Factory
T	H17
V	AS
W	Contact Factory
X	94
Y	WD
Z	WD
-69	AX
FLOOR DRAINS	
2005-2010-A	1100-A
2005-2010-B	1100-G
2005-2010-BS	1100-BS
2005-2010-C	1100-AX
DX2005-2010-A	1100-DT
2005-2010-D	1100-TS
2005-2010-F	1100-F
2005-2010-F37	1100-ER7
2005-2010-G	1100-K
2005-2010-H	1100-VD
2005-2010-J	1100-P
2005-2010-K	1100-N
2005-2010-T	1100-H
2005-2010-V	1100-AS
2005-2010-Y	1100-WD

SMITH	WADE
FLOOR DRAINS	
2005-2010-Z	1100-WD
2016	1840
2095	1850-C
2110	1310
2115	1310-SO
2120	1310
2125	1310-SO
2130	1200
2131	1210
2135	1210-SO
2140	1200
2141	1210
2142	1210-27
2143	1400
2145	1210-SO
2147	1210-SO
2210	1640
2215	1030-SO
2220	1310-TD
2225	1310-TD-SO
2230	1210-TD
2231	1200-TD
2233	1210-27
2235	1210-TD-SO
2238	1210-SO-27
2240	1220-TD
2241	1220-27
2242	1220-27
2243	1220-27
2245	1210-TD-SO
2247	3105-DF4-SO
2248	3105-DF4-SO-27
2250	1510-27
2253	1420-27
2253	1420-27
2255	1410-SO-27
2270	1640
2275	1030-SO
2280	1650
2285	1650-SO
2310	1340
DX2312	1310-E
2315	1300-SO
2320	1340
2325	1300-SO
2330	1240
2331	1240
2335	1240-SO
2340	1240
2341	1240
2345	1240-SO
2350	1340-TD
2355	1300-TD-SO
2360	1240-TD
2365	1240-TD-SO
2410	2370
2415	2370-14
2420	2310-SO-14-27
2425	2310-SO-14-27
2450	2320-125
2455	2310-125
2470	*2370-27
2473	2370-27
2475	2310-SO-14-27
2478	2310-SO-14-27
2484	2070

SMITH	WADE
FLOOR DRAINS	
2488	2340-27
2490	1320
2495	1320
2500	9300
2501	9300-B
2502	9300-B
2505	9300-93
2506	9300-B-93
2507	9300-B-93
2508	9400
2510	1370
2515	1370
2530	2210
DX2565	1310-E
DX2566	1210-E
DX2568	1310-E
2570	1890
2585	1760
2586	1760
2589	2350-14-27
2614	1317
2624	1407
2630	2370-27
2631	2370-21
2632	2370-8
2633	2370-8-21
2640	1310 &1310-18
2641T	4457
2643	2429
2645T	4455
2646S	4456
2646Y	4456
2648S	Contact Factory
2650	2050
2651T	2429
2652	Contact Factory
2670	1865
2673	1865-450
2674	1865-SO
2675	1862
2680	1860
2685	1861
2690	1980
2692	4405
2695	4456
2696	Contact Factory
2697	Contact Factory
2698	4401
2699	4402
FLOOR DRAIN OPTIONS	
69	AX
A	STD
AB	27
ARI	ARC
ARIO	ARC
B	27
BB	Contact Factory
BFV	31
BS	123
BV	31
DID	DIA
CIB	27/C
E	23
FBSCI	8
SMITH	**WADE**

SMITH	WADE
FLOOR DRAIN OPTIONS	
FP	27
G	39
GC	81
H	14
LB	29
LWH	180
M	12
MBG	12
MS	50
NH	37
NL	37
N15	37/1.5
N2	37/2
P	6
P050	6
P075	187
R	H12
S	4
SC	18
SH	121
SNB	4-1
SPB	4-2
SW	78
T	H17
U	5
V	AS
V	31
W	*AS
X	EA
XP	33
Y	WD
Z	*WD

TRENCH DRAINS	
2710	2920
2710DH	2920
2810	2950
2900	2905
2910	2902-12X12G
2911	2902-12X12F
2912	2902-12X24F
2922	2902-24X24F
2923	2902-24X36F
2924	2902-24X48F
2940	2902
2941	2902-12X24F
2942	2902-12X36F
2952	2902-24X24F
2953	2902-24X36F
2954	2902-24X48F
2970	2902
2971	2902-12X24F
2972	2902-12X48F
2982	2902-24X24F
2983	2902-24X26F
2984	2902-24X48
TRENCH DRAIN OPTIONS	
SMITH	WADE
AB	27
ARI	ARC
ARIO	ARC
B	27
BB	MTO
BFW	31

SMITH	WADE
TRENCH DRAIN OPTIONS	
BS	123
C	26
D	9
DBSCI	9CI
DG	7
EO	EO
F	24
FC	26
FBS	8
G	39
GC	76
H	14
M	12
NBHP	1-11
NH	37
NL	37
P	6
PBHP	2-11
P050	6
P075	187
S	4
SC	5
SG	Standard Wade Feature
SNB	4-1
U	5
V	31
VCI	31CI
VG	31GI
FLOOR SINKS	
3001	9720-85-9
3001NB	9720-1-9
3002	9730-85-9
3002NB	9730-1-9
3003	9740-85-9
3003NB	9740-1-9
3004	9750-85-9
3004NB	9750-1-9
3006	9720-85-27
3006NB	9720-1-27
3007	9730-85-27
3007NB	9730-1-27
3008	9740-85-27
3008NB	9740-1-27
3009	9750-85-27
3009NB	9750-1-27
DX3001	9720E-85
DX3002	9730E-85
DX3003	9740E-85
DX3004	9750E-85
DX3006	9720E-85-27
DX3007	9730E-85-27
DX3008	9740E-85-27
DX3009	9750E-85-27
3020	9000-1-24
3021	9000-1-24-27
DX3027	9000E-1-27
3030	9040-1-24
3031	9040-1-24-27
3038-DID	DIA (9110)
3039-DID	DIA (9140)
3040	9010-1-24
3041	9010-1-24-27
3060	9040-1-24
3061	9040-1-24-27
SMITH	**WADE**

SMITH	WADE
FLOOR SINKS	
DX3068	9040E-27
3100	9110-1-24
3101	9110-1-24-27
3110	9130-1-24
3111	9130-1-24-27
3120	9140-1-24
3121	9140-1-24-27
3130	9150-1-24
3131	9150-1-24-27
3140	9130-1-24
3141	9130-1-24-27
3150	9140-1-24
3151	9140-1-24-27
3160	9150-1-24
3161	9150-1-24-27
3200	9170-1
3201	9170-1-27
3250	9290-1-24
3251	9290-1-24-27
3300	9200-1
3301	9200-1-27
3320	9240-1
3221	9240-1-27
3365	1830-1
3370	1990-1
3380	4440
3400	9040-64-24
3401	9040-64-24-27
3402	9040-64-24
3412	9040-64-24-27
3410	9110-64-24
3411	9110-64-24-27
3420	9130-64-24
3421	9130-64-24-27
3430	9140-64-24
3431	9140-64-24-27
3440	9150-64-24
3441	9150-64-24-27
3450	9170-64
3451	9170-64-27
3460	9200-64
3461	9240-64-27
3470	9240-64
3471	9240-64-27
3482	9290-64-24
3510-F11	1100-A-EF4
3515-F11	1100-A-EF4-SO
3520-F11	1120-A-EF4
3521-F11	1120-A-EF4
3530-F11	1120-A-EF4
3531-F11	1120-A-EF4
3540-F11	1121-A-EF4
3541-F11	1121-A-EF4
3580	EF4
3581	EF6
3590	EG6
3591	EG8
3610	1300-EF4
3615	1240-EF4
3620	1300-EF4-SO
3625	1240-EF4-S0
3650	1300-EG8
3655	1240-EG8
3660	1300-EG8-SO
3665	1240-EG8-SO

SMITH	WADE
FLOOR SINKS	
3710	1310-EF4
3715	1200-EF4
3720	1310-EF4-SO
3725	1210-EG8-SO
3750	1310-EG8
3755	1200-EG8
3760	1310-EG8-SO
3765	1210-EG8-SO
3811	9000-22
3812	9000-22
3813	9000-45
3814	9000-45-103
3821	4450-EF-ARC
3822	4450-EF
3823	4450-EF-3
3824	4450-EF-102-103
3950	4490
3951	4490
3955	4490
3960	3063
3970	3063
3980	3062
F10	WW
F11	A-EF4
F12	G-EF4
F13	H8-EF4
F14	H12-EF4
F15	H8-EF4
F16	H17-EF4
F17	H17-EF4
F18	Contact Factory
F19	A8-EG8
F20	A6-EG8
F21	A7-EG8
F22	A8-EG8
F23	A8-EG8
F24	A10-EG8
F25	G6-EG8
F26	G8-EG8
F27	G8-EG8
F28	G10-EG8
F29	G10-EG8
F30	G6-EG8
F31	G7-EG8
F32	H8-EG8
F33	H12-EG8
F34	Contact Factory
F35	H17-EG8
F37	ER7
F38	ER9
F40	WD-108
F41	WD-108
FLOOR SINK OPTIONS	
10	28
11	1-21
12	15
13	16
14	17
15	20
18	107
19	14
21	EF4
22	EF6
25	EG8
26	EG6

SMITH	WADE
FLOOR SINK OPTIONS	
31	153
41	18
42	15-18
43	16-18
44	17-18
51	1-4
61	253
62	Standard Wade Feature
63	191
64	153
66	226
68	16-226
69	Contact Factory
B	27
BB	45
BFV	31
BS	123
C	26
CI	65
DBSE	111
G	39
NH	37
U	5
P	6
PDBS	9DP
FBS	8
CLEANOUTS	
4020S	8000-NH
4021S	6000NH
4023S	6000-NH-75
4024S	8000-NH-75
4025C	6000-IC
4026C	6000-IC-75
4025C	6000-IC
4026C	6000-IC
4028C	6000-IC-75
4031L	8000-TY
4032L	8000-TY-75
4033L	8000-TY-75
4040S	8000-NH-S
4041S	8000-NH-S-75
4043S	8000-NH-S-75
4045C	6000-IC-S
4046C	6000-IC-S-75
4048C	6000-IC-S-75
4051L	8000-TY-S
4052L	8000-TY-S-75
4053L	8000-TY-S-75
4100S	8000-NH-X
4101S	8000-NH-X-75
4103S	8000-NH-X-75
4105C	6000-IC-X
4106C	6000-IC-X-75
4108C	6000-IC-X-75
4109C	6000-IC-X
4111L	8000-TY-X
4112L	8000-TY-X-75
4113L	8000-TY-X-75
4114L	8000-TY-X
4120S	Contact Factory
4121S	Contact Factory
4123S	Contact Factory
4125C	Contact Factory
4126C	Contact Factory

SMITH	WADE
CLEANOUTS	
4128C	Contact Factory
4129C	Contact Factory
4131L	Contact Factory
4132L	Contact Factory
4133L	Contact Factory
4134L	Contact Factory
4140S	8000-NH-T
4141S	8000-NH-T-75
4143S	8000-NH-T-75
4145C	6000-IC-T-75
4146C	6000-IC-T-75
4148C	6000IC-T-75
4151L	8000-TY-T
4152L	8000-TY-T-75
4153L	8000-TY-T-75
4254L	8000-TY-T
4160S	8000-NH-TS
4161S	8000-NH-TS-75
4163S	8000-NH-TS-75
4165C	6000-IC-TS
4166C	6000-IC-TS-TS
4168C	6000-IC-TS-75
4171L	8000-TY-TS
4172L	8000-TY-TS-75
4173L	8000-TY-TS-75
4174L	8000-TY-TS
4180S	8000-NH-U
4181S	8000-NH-U-75
4183S	8000-NH-U-75
4185C	6000-IC-U
4186C	6000-IC-U-75
4188C	6000-IC-U-75
4191L	8000-TY-U
4192L	8000-TY-U-75
4193L	8000-TY-U-75
4194L	8000-TY-U
4200S	8000-NH-US
4201S	8000-NH-US-75
4203S	8000-NH-US-75
4205C	6000-IC-US
4206C	6000-IC-US-75
4208C	6000-IC-US-75
4211L	8000-TY-US
4212L	8000-TY-US-75
4213L	8000-TY-US-75
4214L	8000-TY-US
4220S	8000-NH-X
4221S	8000-NH-12-75
4223S	8000-NH-12-75
4225C	6000-IC-12
4226C	6000-IC-12-75
4228C	6000-IC-12-75
4231L	8000-TY-12
4232L	8000-TY-12-75
4233L	8000-TY-12-75
4234L	8000-TY-12
4237L-CI	8000-TY-12
4237L-NB	8000-TY-X-1
4237L-PB	8000-TY-X-2
4240S-CI	8000-NH-12
4240S-NB	8000-NH-X-1
4240S-PB	8000-NH-X-2
4241S-CI	8000-NH-12-75
4241S-NB	8000-NH-X-1-75

SMITH	WADE
CLEANOUTS	
4241S-PB	8000-NH-X-2-75
4243S-CI	800-NH-12-75
4243S-NB	8000-NH-X-1-75
4243S-PB	8000-NH-X-2-75
4245C-CI	6000-IC-12
4245C-NB	6000-IC-X-1
4245C-PB	6000-IC-X-2
4246C-CI	6000-IC-12-75
4246C-NB	6000-IC-X-1-75
4246C-PB	6000-IC-X-2-75
4248C-CI	6000-IC-12-75
4248C-NB	6000-IC-X-1-75
4248C-PB	6000-IC-X-2-75
4249C-CI	6000-IC-12
4249C-NB	6000-IC-X-1
4249C-PB	6000-IC-X-2
4250S	8401 & 6000-NH
4251S	8401 & 6000-NH-75
4253S	8401 & 6000-NH-75
4254S	8401 & 6000-NH
4255C	8401 & 6000-IC
4256C	8401 & 6000-IC-75
4258C	8401 & 6000-IC-75
4259C	8401 & 6000-IC
4261L	8401 & 6000-TY
4262L	8401 & 6000-TY-75
4263L	8401 & 6000-TY-75
4264L	8401 & 6000-TY
4280S	6000-NH
4281S	6000-NH-75
4283S	6000-NH-75
4285C	6000-IC
4286C	6000-IC-75
4288C	6000-IC-75
4289C	6000-IC
4291L	6000-TY
4292L	6000-TY-75
4293L	6000-TY-75
4313-CI	8040-12-26
4313-NB	8040-X-1-26
4113-PB	8040-X-2-26
4318-CI	8040-12-26
4318-NB	8040-X-1-26
4318-PB	8040-X-1-26
4333-CI	8020-12
4333-NB	8020-X-1
4333-PB	8020-X-2
4338-CI	8020-12
4338-NB	8020-X-1
4338-PB	8020-X-2
DX4343-CI	8020E-12
DX4343-NB	8020E-X-1
DX4343-PB	8020-X-2
4400CI	8550
4400AB	8550
4420CI	8550
4420BRZ	8550
4400CI	8304-85-COF
4400AB	Contact Factory
4402-SS	8304-85-COF
4402-PC	8304-66-COF
4402-PB	8304-2-COF
4420CI	8550-75
4420BRZ	Contact Factory
4421-CP	8305-102-COF
4421-SS	8305-85-COF

SMITH	WADE
CLEANOUTS	
4422-SS	8304-85-COF
4422-PC	8304-66-COF
4422-PB	8304-2-COF
4429	8130
4430	8303-COF
4431	8301-164-COF
4432	8306-COF
4433	8300-164-COF
4434	8303-COF
4435	8301-164-COF
4436	8306-COF
4437	8300-164-C0F
4438	8300-COF
4439	8301-COF
4440	8300-COF
4441	8301-COF
4450	6000-NH
4452-SS	8304-85-COF
4452-PC	8304-66-COF
4452-PB	8304-2-COF
4470	8590
4472-SS	8304-85-COP
4472-PC	8304-66-COP
4472-PB	8304-2-COP
4505S	8570
4505Y	8570
4510	8570
4511	8570-75
4512	8570-75
4530-SS	8304-85-COT
4530-PC	8304-66-COT
4530-PB	8304-2-COT
4531-SS	8304-85-COT-75
4531-PC	8304-66-COT-75
4531-PB	8304-2-COT-75
4532-SS	8304-85-COT-75
4532-PC	8304-66-COT-75
4532-PB	8304-2-COT-75
4550-CP	8303-102-COT
4550-NB	8303-1-COT
4550-PB	8303-2-COT
4551-CP	8301-102-164-COT-75
4551-NB	8301-1-164-COT-75
4551-PB	8301-2-164-COT-75
4553-CP	8301-102-164-COT-75
4553-NB	8301-1-164-COT-75
4553-PB	8301-2-164-COT-75
4555-CP	8303-102-COT
4555-NB	8303-1-COT
4555-PB	8303-2-COT
4556-CP	8303-102-COT-75
4556-NB	8303-1-COT-75
4556-PB	8303-2-COT-75
4558-CP	8303-102-COT-75
4558-NB	8303-1-COT-75
4558-PB	8303-2-COT-75
4710-SS	8304-85
4710-PC	8304-66
4710-PB	8304-2
4710-SS	8305-85
4710-CP	8305-102
4710-NB	8305-1
4710-PB	8305-2
4720-CP	8306-102
4720-NB	8306-1
4720-PB	8306-2

SMITH	WADE
CLEANOUTS	
4725-CP	8300-102-164
4725-NB	8300-1-164
4725-PB	8300-2-164
4730-CP	8303-102
4730-NB	8303-1
4730-PB	8303-2
4735-CP	8301-102-164
4732-NB	8301-1-164
4732-PB	8301-2-164
4740-CP	8307-102
4740-NB	8307-1
4740-PB	8307-2
4745-CP	8308-102
4745-NB	8308-1
4745-PB	8308-2
4760	Contact Factory
4762	Contact Factory
4765	Contact Factory
4767	Contact Factory
4810	8300
4880	8401
4890	Contact Factory
DX4890	Contact Factory
4910	Contact Factory
4915	Contact Factory
4930	8301
4940	8302
CLEANOUT OPTIONS	
AK	AKL
BB	45
BP	Contact Factory
C	IC
CI	12
CL	92
AG	Standard Wade Feature
CL	92
CP	102
E	273
E1	279
H	89
HC1	90
IC1	288
LB	270
LD	
MF1	289
N	109
NB	1
NV	Standard Wade Feature
PB	2
RB	3
SE	273
SE1	291
SS	275
SS1	290
SSR	Contact Factory
W	Standard Wade Feature
WC	87
WH	131
BACKWATER VALVES	
701	4300
7000	1780
7012	4200
7070	Contact Factory
7080	4456-31
7097	Contact Factory
7140	NE

SMITH	WADE
BACKWATER VALVES	
7150	Contact Factory
7220	4450
7221	4450
7222	4450-HS
7230	Contact Factory
INTERCEPTORS	
SMITH	WADE
P500-004	5100-4
P500-007	5100-7
P500-010	5100-10
P500-015	5100-15
P500-020	5100-20
P500-025	5100-25
P500-035	5100-35
P500-050	5100-50
8004	5100-4
8007	5100-7
8010	5100-10
8015	5100-15
8020	5100-20
8025	5100-25
8035	5100-35
8050	5100-50
8120	5105-20
8135	5105-35
8150	5105-50
8007GT	5108-7
8010GT	5108-10
8015GT	5108-15
8020GT	5108-20
8025GT	5108-25
8035GT	5108-35
8050GT	5108-50
8075GT	5108-75
8007GTX	5103-7
8010GTX	5103-10
8015GTX	5103-15
8020GTX	5103-20
8025GTX	5103-25
8035GTX	5103-35
8050GTX	5103-50
8075GTX	5103-75
8120GT	5109-20
8135GT	5109-35
8150GT	5109-50
8210	5100-10-XT
8215	5100-15-XT
8220	5100-20-XT
8225	5100-25-XT
8235	5100-35-XT
8250	5100-50-XT
8304	5100-4-FH
8307	5100-7-FH
8310	5100-10-FH
8315	5100-15-FH
8320	5100-20-FH
8325	5100-25-FH
8335	5100-35-FH
8350	5100-50-FH
8307GT	5103-7-FH
8310GT	5103-10-FH
8315GT	5103-15-FH
8320GT	5103-20-FH
8325GT	5103-25-FH
8335GT	5103-35-FH
8350GT	5103-50-FH

SMITH	WADE
INTERCEPTORS	
8375GT	5103-75-FH
8450	5200-75
8460	5200-100
8470	5200-200
8475	5200-250
8480	5200-350
8490	5200-500
8450E	5200-75-XT
8460E	5200-100-XT
8465E	5200-150-XT
8470E	5200-200-XT
8475E	5200-250-XT
8480E	5200-350-XT
8490E	5200-500-XT
8510	5400-10
8515	5400-15
8520	5400-20
8525	5400-25
8535	5400-35
8550	5400-50
8560	5401-75
8565	5401-100
8570	5401-200
8580	5401-250
8585	5401-350
8590	5401-500
8510E	5400-10-XT
8515E	5400-15-XT
8520E	5400-20-XT
8525E	5400-25-XT
8535E	5400-35-XT
8550E	5400-50-XT
8560E	5401-75-XT
8565E	5401-100-XT
8570E	5401-200-XT
8580E	5401-250-XT
8585E	5401-350-XT
8590E	5401-500-XT
8599-10-5	5500-10
8599-10-50	5500-10
8599-15-50	5500-15
8599-20-50	5500-20
8599-25-100	5500-25
8599-35-100	5500-35
8599-50-100	5500-50
8599-75-100	5501-75
8599-100-250	5501-100
8599-150-250	5501-150
8599-200-250	5501-200
8599-250-500	5501-250
8599-300-500	5501-300
8599-350-500	5501-350
8599-400-500	5501-400
8599-450-500	5501-500
8599-500-750	5501-750
8600	NE
8710	5720
8714	5740
8715	5741
8730	5730
8738	5770
8750	5750
8760	5750
8790	N/E
8510	5400-10
8515	5400-15

SMITH	WADE
INTERCEPTORS	
8520	5400-20
8525	5400-25
8535	5400-35
8550	5400-50
8560	5401-75
8565	5401-100
8570	5401-200
8580	5401-250
8585	5401-350
8590	Contact Factory
8795	Contact Factory
8811-20	5810-20
8811-50	5810-50
8811-150	5810-150
8811-250	5810-250
8811-500	5810-500
8817-300	5900-49
8817-400	5900-54
8817-500	5900-72
8817-600	5900-81
8817-700	5900-90
8817-800	5900-108
8817-1000	5900-135
8818-300	5901-49
8818-400	5901-54
8818-500	5901-72
8818-600	5901-81
8818-700	5901-90
8818-800	5901-108
8818-1000	5901-135
8910-20	*5600-30
8910-25	*5600-30
8910-50	5600-70
8910-100	5600-100
8910-150	*5600-200
8910-200	5600-200
8910-350	*5600-400
8910-500	5600-500
8925-12	5800-12
8925-60	5800-60
8925-100	5800-100
8925-200	5800-200
8970-20	NE
8970-35	NE
8970-50	NE
8970-75	NE
INTERCEPTOR OPTIONS	
AA	69
AC	113
ACC	FH-113
ARC	ARC
ARO	62
ARI	61
ARIO	63
B	27
CBS	AP
DWC	DW
E	XT
F	24
FC	26
HC	18
H20	H20
SS	See 5101
TC	T
TQ	U

SMITH	WADE
INTERCEPTOR OPTIONS	
U	5
VC	MTO
W	FHT
Y	NH
Z	MTO
SPECIALTIES & STAINLESS STEEL	
3001	9100-9
3002	9100-9
3003	9740-9
3004	9750-9
3006	9100-27
3007	9100-27
3008	9740-27
3009	9750-27
DX3002	9100E-9
DX3003	9740E-27
DX3004	9750E-27
DX3006	9100E-27
DX3007	9100E-27
DX3008	9740E-27
DX3009	9750E-27
3001NB	9100-1
3002NB	9100-1-9
303NB	9740-1-9
3004NB	9750-1-9
3006NB	9100-1-27
3007NB	9100-1-27
3008NB	9740-1-27
3009NB	9750-1-27
9005	3880
9010	3880-59
9020	Contact Factory
9110	800-2IPS
9120	800-3IPS
9114	NE
9116	NE
9118	NE
9124	NE
9126	NE
9128	NE
9130	NE
9134	NE
9140	NE
9200	4401
9205	1310 & 1310-18
9340	2000 & 1640
9345	2000 & 1030
9350	2000 & 8000
9502-02	4410-2TY
9502-03	4410-3TY
9502-04	4410-4TY
9502-05	4410-5TY
9502-06	4410-6TY
9202-02XH	4410-2TY
9202-03XH	4410-3TY
9202-04XH	4410-4TY
9202-05XH	NE
9202-06XH	4410-6TX
9508-02	NE
9508-03	NE
9508-04	NE
9508-02XH	NE
9508-03XH	NE
9508-04XH	NE

SMITH	WADE
SPECIALTIES & STAINLESS STEEL	
9642	9720SS-SFS
9643	9730SS-SFS
9691	9720-85-9
9692	9730-85-9
9693	9740-85-9
9694	9750-85-9
9696	9720-85-27
9697	9730-85-27
9698	9140-85-27
9699	9750-85-27
9700-07	1100SS-A7-85
9700-06X06	1100SS-G6-85
9703	EF4-85
9703-6	EF6-85
9704	EG8-85
9705	1300E-SS
9710	1300SS
9713	1640SS
9715	1330SS
9718	1640SS
9720	1300SS-18-33
9725	1340SS
9730	1200SS
9733	1400SS
9734	1220SS
9735	*1340SS-18-33
9740	9410SS
9740	9440SS
9745	1750SS
9750	1370SS
9755	Contact Factory
9759	Contact Factory
9760	8200SS
9770	6100SS
9775	Contact Factory
9776	Contact Factory
9780	Contact Factory
9785	3270SS
9790	1780SS
9795	Contact Factory
STAINLESS STEEL OPTIONS	
10	22
12	15
13	16
14	17
15	20
21	EF4-85
22	EF6-85
41	18
42	15-18
43	16-18
44	17-18
61	253
62	292
63	253
64	153
66	226
68	295
69	297
316	316
B	27
BS	123
BW	BW
C	26
C	IC

SMITH ..... WADE
STAINLESS STEEL OPTIONS

CIG 12
DBS 9
E04 23
FBS 8
LSH 180
M 12
NB 1
P 6
RB 3
RNB 1
SBP 228
SC 18
SF 143
T ..... IPS
TP 187
U ..... VP
V 31
WSH 134
XP 33

WATTS	WADE
FLOOR DRAINS	
Last Digit of Model Number Designates Pipe Size. Numerical Suffix After Strainer Suffix Indicates Top Size: i.e. FD-102-A5-1 2" Outlet w/ 5" Type A Strainer	
FD-100-A-1	1000-R-1-26
FD-100-B-1	1000-RX-1-26
FD-100-B5-4	1000-R5-12-26
FD-100-AS	1100-AS-1
FD100-DD-1	1000-HD-1-26
FD-100-DD-50	1000-HD-12-26
FD-100-EF-1	1000-R5-EF4-1-26
FD-100-EF-50	1000-TR5-EF4-12-26
FD-100-EG	1000-R-1-EG8-26
FD-100-ER	1100-ER-1
FD100-FC	1100-FC-1
FD-100-H	1100-DT-1
FD-100-K	1000-KR-1-26
FD-100-L	1000-SX-1-26
FD-100-L5-4	1000-TL-12-26
FD-100-L-9	1100-N-1
FD-100-M	1000-S-1-26
FD-100-M-9	1100-N-1
FD-100-RS48	1100-H8-1
FD-100-RS412	1100-H12-1
FD-100-RS517	1100-H17-1
FD-100-VD	1100-VD-1
FD-100-VS	1100-BS-1
FD-100-WD	1100-WD-1
FD-200-A	1000-R
FD-200-AS	1100-AS-1
FD-200-B	1000-RX
FD-200-B5-4	1000-TR5-12
FD-200-DD-1	1000-HD-1
FD-200-DD-50	1000-HD-12
FD-200-EF-1	1000-R5-EF4-1
FD-200-EF-50	1000-TR5-EF4-12
FD200-EG-1	1000-R5-EG8-1
FD-200-EG-50	1000-TX7-EG8-12
FD-200-ER	1100-ER-1
FD-200-FC	1100-FC-1
FD200-L	1000-SX-1
FD-200-L5-4	1000-TL-12
FD-200-L-9	1100-N-1
FD-200-M	1000-S-1
FD-200-M-9	1100-N-1
FD-200-RS48	1100-H8-1
FD-200-RS412	1100-H12-1
FD-200-RS517	1100-H17-1
FD-200-VD	1100-VD-1
FD-200-VS	1100-BS-1
FD-200-WD	1100-WD-1
FD-230-A	1120-A-1
FD-240	1840-1
FD-300	1000-TX
FD300-1	1000-TX-1
FD-311-	1030
FD-320	1040
FD-320-SET	1040-27
FD-320-Y	1030
FD-320-Y-SET	1030-27
FD-330	1000-TL
FD-330-Y	1000-TL
FD-340	1270
FD-340-SET	1270-27
FD-340-Y	1260

WATTS	WADE
FLOOR DRAINS	
FD-340-Y-SET	1260-27
FD-360	
FD-360-Y	
FD380	910
FD-390-E	810,811
FD-390-E-63	910
FD-410	5810-20
FD-430	1740
FD-450	311-1-ADF
FD-450-F	311-1
FD-460	1570
FD-460-F	1560
FD-470-F-1	311-1
FD-480-F-1	3111
FD-490-F-4	2367
FD-520	1890-SO
FD-530	1897
FD-540	1890
FD-600	2030 w/ 1000-R-26
FD-620	2030 W/ 1040
FD-660	Contact Factory
FD-670	Contact Factory
FD-750	1760
FD-810	1311--27
FD-820	9300
FD-830	2370-8-21
FD-850	1860
FD-860	3012-50
FD-870-PA	1862
FD-880	1869
FD-900	1207
FD-910	1407
FD-920	1317
FD-1000-A	1100-A-85
FD-1100-B	1100-A-85
FD-1100-L	1100-G-85
FD-1100-M	1100-G-85
FD-1160	Contact Factory
FD-1200-A	1100-A-85
FD-1200-B	1100-A-85
FD1200-L	1100-G-85
FD-1200-M	1100-G-85
FLOOR DRAIN OPTIONS	
1	1
4	12
5	27
6	5
7	6
8	31
9	14
13	39
15	23
21	8
26	228
28	SS
34	33
38	218
40	53
41	52
60	PVC
61	ABS
81	3
150	15
C	26
D	53
E	23

WATTS	WADE
FLOOR DRAIN OPTIONS	
F4-1	EF4-1
F4-50	EF4-CI
F6-1	EF6-1
F6-50	EF6
G	93
G-1	EG8-1
G-50	EG8
P	TY
T	IPS
TG	12
SO	SO
X	IC
Z	24
FLOOR SINKS	
FS-500	Contact Factory
FS-700	9010-64
FS-700-1	9010-1
FS-710	9110-64
FS710-1	9110-1
FS-720	9010-64
FS-720-1	9010-1
FS-730	9130-64
FS-730-1	9130-1
FS-740	9140-64
FS-740-1	9140-1
FS-750	9150-64
FS-750-1	9150-1
FS-760	9040-64
FS-760-1	9040-1
FS-770	9200-64
FS-770-1	9200-1
FS-780	9730
FS-790	9740
FS-800	1990
FS-850	9170
FS-890	4440
FS-900	9290-64
FS-900-1	9290-1
FLOOR SINK OPTIONS	
1	1
3	85
5	27
6	5
7	6
9	14
21	8
22	21
128	17
150	15
175	16
C	24-26
DS	9
F	24
F4-1	EF4-1
F6-1	EF6-1
G-1	EG8-1
NH	NH
P	TY
X	IC
TRENCH DRAINS	
TD-900	2902-12
TD-900-1	2902-1
TD-900-4	2902-12
TD-900-B2	2902-F24
TD-900-B2-1	2902-F24-1

WATTS	WADE
TRENCH DRAINS	
TD-900-B2-4	2902-F24-12
TD-910	2902-12
TD-910-1	2902-1
TD-910-4	2902-12
TD-920	2920-CS
TD-940	2950-CS
TRENCH DRAIN OPTIONS	
5	27
6	5
8	31
13	39
20	8
D	Standard Feature
ROOF DRAINS	
GRD-610	3350
GRD-610-W	3351
GRD-620	3357
GRD-630	3352
GRD-640	3353
GRD-650	3359
GRD-670	3055
GRD-670	3358
GRD-690	3354
GRD-730	3356
RD-100	3011
RD-100-A	3007
RD-100-CP	3111
RD-100-F	3011-EB
RD-100-R	3011-D
RD-100-W	3011-SD
RD-200	3012
RD-200-CP	1040
RD-200-R	3013-D
RD-200-W	3012-SD
RD-230	3230
RD-240-B	3240
RD-250	3045
RD-260	3043
RD-270	3270
RD-280	3012
RD-280-SO	3012-SO
RD-290	3290
RD-300	3000
RD-300-CP15	311-1
RD-300-F	3000-EB
RD-300-R	3000-D
RD-300-W	3000-SD
RD-400	3062
RD-410	3063
RD-500	3001
RD-700	3046
RD-680-VC	3690
RD-900	3900
RD-940	3940
RD-950	3941
RD-970	Contact Factory
RD-980	3930
ROOF DRAIN OPTIONS	
1	1
5	27
6	5
13	39
14	48
60	PVC
61	ABS

WATTS vs WADE CROSS REFERENCE

WATTS	WADE
ROOF DRAIN OPTIONS	
83	50
85	DFS
A	45O
B	52
D	53
E	DF
E1	EA
F	EB
EWD	DF
GSS	DP
H	DP
K	42
K13	40
K40	42
K80	46
K81	3
K83	46-50
L	5
P	TY
Q	AI
R	D
SO	SO
T	IPS
V	DF
W	FCS
X	IC
Z	E
BACKWATER VALVES	
BV	4300
BV-200	4200
BV-240	4200-AH
BV-600	1770
INTERCEPTORS	
WATTS	WADE
GI-75-K	5100-75
GI-100-K	5100-100
GI-150-K	5200-100
GI-200-K	5200-200
GI-250-K	5200-350
GI-300-K	5200-300
GI-400-K	5200-400
GI-500-K	5200-500
LI-803	5600-3
LI-807	5600-7
LI-810	5600-10
LI-820	5600-20
LI-830	5600-30
LI-840	5600-40
LI-850	5600-50
OI-10	5400-10
OI-10-ST	5500-10
OI-15	5400-15
OI-15-ST	5500-15
OI-20	5400-20
OI-20-ST	5500-20
OI-25	5400-25
OI-25-ST	5500-25
OI-35	5400-35
OI-35-ST	5500-35
OI-50	5400-50
OI-50-ST	5500-50
OI-75-K	5401-75
OI-75-ST	5501-75
OI-100-K	5401-100
OI-100-ST	5501-100

WATTS	WADE
INTERCEPTORS	
OI-150-K	5401-150
OI-150-ST	5501-150
OI-200-K	5401-200
OI-200-ST	5501-200
OI-250-K	5401-250
OI-250-ST	5501-250
OI-300-K	5401-300
OI-200-ST	5501-200
OI-400-K	5401-400
OI-400-ST	5501-400
OI-500-K	5401-500
OI-500-ST	5501-500
SA-311-	5900-49
SA-410	5900-54
SA-510	5900-72
SA-610	5900-81
SA-710	5900-90
SA-810	5900-108
SA-1010	5900-135
SI-742	5740
SI-742-SS	5740-SS
SI742-L	5741
SI-742-L-SS	5741-SS
SI-750	5750
SI-750-TO	5750-103
ST-20	5800-20
ST-50	5800-50
ST-150	5800-150
ST-250	5800-250
ST-500	5800-500
WD-4	5100-4
WD-7	5100-7
WD-7-A	5103-7
WD-7-AH	5103-7-FH
WD-7-H	5100-7-FH
WD-10	5100-10
WD-10-A	5103-10
WD-10-AH	5103-10-FH
WD-10-H	5100-10-FH
WD-15	5100-15
WD-15-A	5103-15
WD-15-AH	5103-15-FH
WD-15-H	5100-10-FH
WD-20	5100-20
WD-20-A	5103-20
WD-20-AH	5103-20-FH
WD-20-L	5105-20
WD-20-LA	5006-20
WD-20-H	5100-20-FH
WD-35	5100-35
WD-35-A	5103-35
WD-35-AH	5103-35-FH
WD-35-L	5105-35
WD-35-LA	5106-35
WD-35-H	5100-35-FH
WD-50	5100-50
WD-50-A	5103-50
WD-50-AH	5103-50-FH
WD-50-L	5105-50
WD-50-LA	5106-50
WD-50-H	5100-50-FH
INTERCEPTOR OPTIONS	
AL	113
B	27
E	XT

WATTS	WADE
INTERCEPTOR OPTIONS	
FC	24-26
HD	18
O	70
SS	SS
THD	IPS
US	BAA
X	T
CLEANOUTS	
CO-200-R	8000-1
CO-200-RC	8000-1-CM
CO-200-RFC	8000-FC-1
CO-200-RX	8000-X-1
CO-200-RX-4	8000-12
CO-200-S	8000-S-1
CO-200-SX	8000-SX-1
CO-200-T	8000-T-1
CO-200-TS	8000-TS-1
CO-200-U	8000-U-1
CO-200-US	8000-US-1
CO-200-H	6000-E-1
CO-260	6000-12
CO-260-1	6000-1
co-260-S-1	6000-S-1
CO-270	8200-12
CO-270-1	8200-1
CO-300-MF	8401
CO-300-R	8300-1
CO-300-S	8301-1
CO-380	8550
CO-380-RD	8304-COF
CO-390-E	810-12-18
CO-390-E-1	810-1-18
CO-410	8400-12
CO-440	MTO
CO-410-1	8400-1
CO-440-RD	8304-COP
CO-450-RD	8304-COF
CO-460	8560-75
CO-460-RD	8304-COT-75
CO-480-RD	8304
CO-590	8590-75
CO-600-R	2030 w/ 8000-1
CO-1200-R	6000-85
CO-1200-RX	6000-85
CO-1200-S	6000-S-85
CO-1200-SX	6000-S-85
CLEANOUT OPTIONS	
3	85
6	5
13	39
60	PVC
61	ABS
34B	75
B	27
C	26
CF	CF
O	70
P	TY
X	IC
Z	24
Z	E
HYDRANTS	
HY-330	8708-1
HY-420	8601-85
HY-430	8608

WATTS	WADE
HYDRANTS	
HY-440	8709-270
HY-450	8709-85
HY-500	8800-1
HY-600	8900
HY-700-2	8706-1
HY-725	8701
HY-800	Contact Factory
HY-900	8900-R
HYDRANT OPTIONS	
VB	89
31	24
32	24-26
SPECIALTIES	
LF15M2-A-DR	4481-A
LF15M2-B-DR	4481-B
LF15M2-C-DR	4481-C
LF15M2-D-DR	4481-D
LF15M2-E-DR	4481-E
LF15M2-F-DR	4481-F
LFTP300T-DR	4402
LFTP300S-DR	4402-297
LFTP300-DU-DR	DU
MS-950	EF-T
MS-8000	3880
SS-A	4480-A
SS-B	4480-B
SS-C	4480-C
SS-D	4480-D
SS-E	4480-E
SS-F	4480-F
CLOSET CARRIERS	
ISCA-101-D	311-ND4
CA-101-L	311-NL4
CO-101-R	311-NR4
CA-101-D-36	311-ND4-36
CA-101-L-36	311-NL4-36
ISCA-101-R-36	311-NR4-36
ISCA-102-L	311-NL4-XB
ISCA-102-R	311-NR4-XB
ISCA-102-D	311-ND4-XB
ISCA-103-L	311-NL4-XH
ISCA-103-R	311-NR4-XH
ISCA-103-D	311-ND4-XH
ISCA-121-D	330-ND4
ISCA-121	330-NL4
ISCA-122	330-NL4-XB
ISCA-122-D	330-ND4-XB
ISCA-123	330-NL4-XH
ISCA-123-D	330-ND4-XH
ISCA-131-D	330-ND44-A1
ISCA-131-D2	330-ND44-A2
ISCA-131-L	330-NL44-A1
ISCA-131-R	330-NR44-A1
ISCA-131-2	330-NL44-A2
ISCA-132	330-NL44-A2-XB
ISCA-132-D	330-ND44-A2-XB
ISCA-133	330-NL44-A2-XH
ISCA-133-D	330-ND44-A2-XH
ISCA-141-3	Contact Factory
ISCA-141-4-V2	350-N2
ISCA-141-4-V4	350-N4
ISCA-141-4-D-V2	360-ND4
ISCA-141-4-D-V4	360-ND4
ISCA-151-D	360-ND4

WATTS	WADE
CLOSET CARRIERS	
ISCA-151-L	360-NL4
ISCA-151-R	360-NR4
CLOSET CARRIER OPTIONS	
AUX	UA
BF	M14
CA-100-EXT	M4
HS	C
M1	ECC
M11	AM21
M16	M3
M20	AM1
TAS	LR
XH	HD
36	36
FIXTURE CARRIERS	
WATTS	WADE
CA-311	401
CA-321	402
CA-401	510
CA-401-D	510-D
CA-421	404
CA-431-1	403-BL
CA-461	572-CA
CA-462	571-CA
CA-481	461
TCA-411	525
TCA-411-D	525-D
TCA-411-WC	525-M24
TCA-411-D-WC	525-D-M24
TCA-440	571
TCA-450	571-M24
WCA-411	520
WCA-411-D	520-D
WCA-411-WC	520-M24
WCA-411-D-WC	520-D-M24

JOSAM vs WADE CROSS REFERENCE

JOSAM	WADE
CLOSET CARRIERS	
12004	311-CL4
12024	311-CR4
12044	311-CD4
12114A	330-CL4
12134A	330-CR4
12154A	330-CD4
12174A	330-CL44-A1
12194A	330-CR44-A1
12214A	330-CD44-A1
12234A	330-CL44-A1
12254A	330-CR44-A1
12274A	330-CL44-A2
12294A	330-CR44-A2
12314A	330-CD44-A2
12674	311-NL4
12684	311-NR4
12694	311-ND4
12674HS	311-CL4
12684HS	311-CR4
12694HS	311-CD4
12674-58	311-CD-36
12684-58	311-NR-36
12694-58	311-ND-36
12704	330-NL4
12714	330-NR4
12724	330-ND4
12734	330-NL44-A1
12744	330-NR44-A1
12754	330-ND44-A1
12764	330-NL44-A1
12774	330-NR44-A1
12784	330-ND44-A1
12794	330-NL44-A1
12804	330-NR44-A1
12814	330-ND44-A1
14004	360-CL4
14024	330-CR4
14044	360-CD4
14064	350-C4
14104	350-C2
14404	360-NL4
14424	360-NR4
14444	360-ND4
14464	350-N4
14484	360-ND4
14504	350-N2
15964	362
15984	362
16123	380-P3-M2
CLOSET CARRIER OPTIONS	
1	AM21
4	M3
6	AM1
10	ECC
24	M14
30	M26
32	M4
35	311-H
45	JL
46	JR
49	JV
50	JS
53	JJ
30	M26

JOSAM	WADE
CLOSET CARRIER OPTIONS	
30-2	M26
35	H
53	JV
54	JS
AUX	AB
HS	C
OR	FPO
PF	M4
SD	XH
VP	M3
FIXTURE CARRIERS	
17100	520-M36
17105	520-D-M36
17110	573-CA
17115	571-CA
17120	572-CA
17125	574-CA
17130	574-CA
17380	510-M36
17385	510-D-M36
17390	573-EA
17395	571-EA
17400	572-EA
17405	574-EA
17415	510-M19-M36
17420	510-D-M19-M36
17429	573-EA-M19
17430	571-EA-M19
17435	571-EA-M19
17440	574-EA-M19
17550	404-M36
17555	404-D-M36
17560	402-M36
17565	402-D-M36
17570	404-CL-M36
17575	404-M36
17580	405-M36
17585	462
17590	461
17700	610-M36
17705	610-D-M36
17715	650-M36
17720	620-M36
17725	630-M36
17730	640
17735	640-N42
17800	401-M36
17810	402-M36
17830	462
17835	461
17985	403-LBP-M36
17900	403-M36
17905	403-BL-M36
17910	403-BL-LBP-M36
FIXTURE CARRIER OPTIONS	
4	M3
10	M4
45	JL
46	JR
60	AM27
66	AM35
67	M24
69	AM1
75	M23
76	M23-4
77	M23-6

JOSAM	WADE
ROOF DRAINS	
21000	3000-ADF
21500	3000
21500-6	3000-E
21500-16	3000-SD
21500-19	3000-DP
21500-AE	3000-ADF
21500-AER	3000-EB
21500-IRMA	3000-DFS
21500-IRMA-6	3000-E-DFS
21500-ORDG1	3053
21500-RDG1	3052
21500-RDG2	3055
21500-RDG3	3050
22010	3011
22080	3012
22080-TSO	3012-SO
22100	3045
22200	3042
22500	3041
23500	3101
23500-AE	3101-ADF
23500-IRMA	3101-DFS
23500-IRMA-6	3101-E-DFS
23510	3105
23710	3111
23730	3121
23740	3121-1
24020	1310-E
24030	1200-E
24040	1310-E
24050	1207
24060	1200-E
24200	3300
24500	3240
24500-27	3240-47
24500-35	3240-48
24500-45	3230-45O
24500-90	3230
24700	3270
24700-45	3270-45O
24720	3290
24720-45	3290-45O
24900	3271
25000	3947
25010	3940
25010-Q100	3941
25500	3061
25520	3062
25540	3063
26000	3000-ADF-SD
26010	3000-SD
26200	3900
26440	3671
26450	3671
26700	3690
28500	3007-ADF
28600	3007
28600-AE	3007-ADF
29000	2000
29108	3001-8NH
29110	3001-10NH
29112	3001-12NH
ROOF DRAIN OPTIONS	
1	53
2	52

JOSAM	WADE
ROOF DRAIN OPTIONS	
3	189
4	Standard Wade Feature
6	E
10	DF
10-20	DF-39
15	54
16	SD
17	D
19	DP
20	39
20-10	DF-39
22	42
23	3
26	46
27	47
29	27
29-20	27-39
30	VP
33	50
35	48
36	12
37-50	1-12
37-51	2-12
50	1
51	2
61	DE
61-20	DE-39
63	45
65	43
66	SO
AE	ADF
T	IPS
VP	5
X	IC
Y	TY
Z	NH
FLOOR DRAINS	
Strainer Assemblies	
A	A
AD	FC
AF	F
AJ	A-31
C	A-27
D	K
E	TS
E1	ER
E2	A7-EF4
E3	A7-EG8
F4	EF4
F6	EF6
F8	EG6
F9	EG8
F52	EF-T
G	VD
H	D
M	WD
P	AS
R	H
S	G
SJ	G-31
T	N
W	94
WF6A	DT
WF6S	DTS

JOSAM	WADE
FLOOR DRAINS	
30000-A	1100-A
30000-AD	1100-FC
30000-AJ	1100-A-31
30000-C	1100-A-27
30000-D	1100-K
30000-E	1100-TS
30000-E1	1100-ER
30000-E2	1100-A-EF4
30000-E3	1100-A-EG8
30000-G	1100-VD
30000-H	1100-D
30000-M	1100-WD
30000-P	1100-AS
30000-PD-A	1840
30000-R	1100-H
30000-S	1100-G
30000-ST-A	1140-A
30000-T	1100-BS
30000-TSO-A	1100-SO-A
30000-WF6A	1100-DT
30000-WF6S	1100-DTS
30304-A	1010-A
30500-A	1121-A
30500-S	1121-G
30600-A	1120-A
30802-4CP	1140-A-102
30900-9AD	1100-FC9
31000	1010-A5
31100	1300
31120	1300-TD
31200	3105-ADF
31220	3115-ADF
31600	1340
31720	3115-ADF
31800	3101-ADF
32100	1310
32120	1310-TD
32150	1310 & 1310-18
32160	1320
32200	1200
32200-AE	1240
32200-SD	1200
32220	1200-TD
32300	1210
32320	1210-TD
32330	1220-TD
32330-SD	1220-TD
34710	3105
34720	3105-DF2-27
34920	1700-DF4-27
35100	2110
35130	2120-27
35170	2120-27
35230	2310-27
35440	2370-8
35460	2361-8
35580	2370-27
35620A	2370-14-27
35720A	2370-27
36000	1310
36100	1320
36210	1200
36340	1220-27
36410	3105
36640	2310-SO-14-27

JOSAM	WADE
FLOOR DRAINS	
36820A	2310-27
36850	1891
37500	2110
37800	2300
37810	2300-27
37820	2310-27
37830	2310-14-19
37840	2320-27
37900	3101-ADF-27
37960	2361-8
38040	1370
38250A	2210
38420	2050
38420-IGS	2050-GSC
38620-40	2080-14
38640	2310-14-27-SO
38820	2370-27
38830	1740
38850	1891
38930	2070
39240	1990
39600	1862
39720	1220-E-27
39960	1650
85220	3290
500200-T-A	1850-C
FLOOR DRAIN OPTIONS	
1	1
2	2
7	12
10	VP
11	XH
12	4
12-1	1-4
12-2	2-4
13	7
13-1	1-7
13-2	2-7
14	14
15	136
16	19
17	VP
18	14-19
19	1-12
20	2-12
24	108
39	18
40	25
41	26
42	26
44	23
44-92	23-39
49	187
50	6
51	37/1.5
52	37/2
53	37/H
52	37
60	31
61	LBV
63	266
66	SO
70	29
74	27
80	27

JOSAM	WADE
FLOOR DRAIN OPTIONS	
81	27
88	8
91	45
92	39
94	3-7
99	ADF
SS	85
T	IPS
X	IC
Y	TY
Z	NH
FLOOR SINKS	
49000	9110-24-64
49010	9110-64
49020AS	9130-24-64
49030AS	9130-64
49040AS	9140-24-64
49050AS	9140-64
49060AS	9150-24-64
49070AS	9150-64
49100	9160-64
49110	9160-64
49120	9170-64
49130	9170-64
49200	9000-24-64
49210	9000-64
49220A	9010-24-64
49230A	9010-24-64
49280A	9040-24-64
49290A	9040-64
49300	9110-24-64
49300-LF	9110-64
49300-NB	9110-24-1
49300LF-NB	9110-1
49320A	9130-24-64
49320A-LF	9130-24-64
49320A-NB	9130-24-1
49320A-LF-NB	9130-1
49340A	9140-24-64
49340A-LF	9140-64
49340A-NB	9140-24-1
49340A-LF-NB	9140-1
49360A	9150-24-64
49360A-LF	9150-64
49360A-NB	9150-24-1
49360A-LF-NB	9150-1
49400	9160-64
49400-LF	9160-64
49400-NB	*9160-1
49400-LF-NB	*9160-1
49420	9170-64
49420-LF	9170-64
49420-NB	9170-1
49420-LF-NB	9170-1
49500	9000-64
49500-LF	9000-64
49500-NB	9000-1
49500-LF-NB	9000-1
49520A	9010-24-64
49520A-LF	9010-64
49520A-NB	9010-24-1
49520A-LF-NB	9010-1
49580A	9040-24-64
49580A-LF	9040-64

JOSAM	WADE
FLOOR SINKS	
49580A-NB	9040-24-1
49580A-LF-NB	9040-1
49700	9200-64
49700-LF	9200-64
49700-NB	9200-1
49700LF-NB	9200-1
49720	9240-64
49720-LF	9240-64
FLOOR SINKS	
49720-NB	9240-1
49720-LF-NB	9240-1
49850	9300-1
49870A	1990-1
FLOOR SINK OPTIONS	
2	21
3	15
4	16
7	17
8	20
10	VP
16	EF4
17	EF6
18	EG8
20	18
24	136
31	27
33	109
35	123
43	111
45	108
51	39
52	65
55	6
C	26
LG	21
VP	5
X	IC
Z	NH
CLEANOUTS	
55000	8000-12
55000-1	8000-1
55000-1-SD	8000-X-1
55000-1-SQ	8000-S-1
55000-1-12	8000-T-1
55000-1-12-SQ	8000-TS-1
55000-1-13	8000-U-1
55000-2	8000-2
55000-5	8000-12
56670	Contact Factory
57000-Z	8000-12
57000-Z-1	8000-1
57000-Z-1-12	8000-T-1
57000-Z-1-SD	8000-X-1
57000-Z-1-SQ	8000-XS-1
57000-Z-12	8000-T-1
57000-Z-CI	8000-12
57000-Z-SQ	6000-S
57000-Z-SD	6000-X-1
57000-Z-LT	6000
58360	8130
58370A	8040-1
58460A	8020-1
58460A-AE	8040-1
58540	8590
58580	8400-12

JOSAM	WADE
CLEANOUTS	
58580-1	8400-1
58580-1-SD	8400-X-1
58580-1-SQ	8400-S-1
58600	8304
58610	8300-164
58620	Contact Factory
58630	8302
58640	8301-164
58650	8303
58680	8401
58900	8550
58910	8560
CLEANOUT OPTIONS	
1	1
2	1
5	12
6	S
10	127
11	164
12	T
13	U
14	72
15	VP
17	79
19	77
20	RHP
22	75
24	MTO
31	39
41	26
CFC	CF
F	24
SQ	S
SS	SS
VP	5
WF	E
X	IC
Y	TY
Z	NH
GREASE INTERCEPTORS	
GI2000A	Contact Factory
EGOLD-1000	Contact Factory
CEGOLD-2000	Contact Factory
60000A Series	5103
60002A	5103-7
60003A	5103-10
60004A	5103-15
60005A	5103-20
60006A	5103-25
60007A	5103-35
60008A	5103-50
60009A	5103-75
60010 Series	5106
60017A	5106-35
60030 Series	5103
60032A	5103-7-FH
60033A	5103-10-FH
60034A	5103-15-FH
60035A	5103-20-FH
60036A	5103-25-FH
60037A	5103-35-FH
60038A	5103-50-FH
60039A	5103-75-FH
60040 Series	5103-FHT
60042A	5103-7-FHT

JOSAM	WADE
GREASE INTERCEPTORS	
60043A	5103-10-FHT
60044A	5103-15-FHT
60045A	5103-20-FHT
60046A	5103-25-FHT
60047A	5103-35-FHT
60048A	5103-50-FHT
60049A	5103-75-FHT
60100A Series	5100
60101A	5100-4
60102A	5100-7
60103A	5100-10
60104A	5100-15
60105A	5100-20
60106A	5100-25
60107A	5100-35
60108A	5100-50
60100-50A Series	5103
60101-50A	5103-4
60102-50A	5103-7
60103-50A	5103-10
60104-50A	5103-15
60105-50A	5103-20
60106-50A	5103-25
60107-50A	5103-35
60108-50A	5103-50
60110A Series	5106
60115A	5106-20
60117A	5106-35
60100H Series	5100
60102H	5100-7
60103H	5100-10
60104H	5100-15
60105H	5100-20
60106H	5100-25
60107H	5100-35
60108H	5100-50
60109H	5100-75
60110H	5100-100
60100H-GRD	Contact Factory
60100H-RT Series	5100-FH
60102H-RT	5100-7-FH
60103H-RT	5100-10-FH
60104H-RT	5100-15-FH
60105H-RT	5100-20-FH
60106H-RT	5100-25-FH
60107H-RT	5100-35-FH
60108H-RT	5100-50-FH
60109H-RT	5100-75-FH
60110H-RT	5100-100-FH
60110A Series	5105
60115A	5105-20
60110-SA Series	5106
60115-SA	5106-35
60110A Series	5105
60117A	5105-35
60210A Series	5200
60213A	5200-150
60214A	5200-200
60215A	5200-250
60216A	5200-350
60217A	5200-500
GREASE INTERCEPTOR OPTIONS	
15	27
41	XT
60	24

JOSAM	WADE
GREASE INTERCEPTOR OPTIONS	
61	24-26
62	70
65	HS2
66	HS3
67	HS4
85	298
EGOLD	Contact Factory
ET	FHT
EXT	XT
HD	18
RT	FH
SS	See 5101
OIL INTERCEPTORS	
60500B Series	5400
60503B	5400-10
60504B	5400-15
60505B	5400-20
60506B	5400-25
60507B	5400-35
60508B	5400-50
60500-EST Series	5500
60503-EST-5	5500-10
60503-EST-50	5500-10X50
60504-EST-6	5500-15
60504-EST-50	5500-15X50
60505-EST-8	5500-20
60505-EST-50	5500-20X50
60506-EST-50	5500-25
60506-EST-100	5500-25X100
60507-EST-50	5500-35
60507-EST-100	5500-35
60508-EST-50	5500-50
60508-EST-100	5500-50
60610A Series	5401
60611A	5401-75
60612A	5401-100
60613A	5401-150
60614A	5401-200
60615A	5401-250
60616A	5401-350
60617A	5401-500
60610-EST Series	5501
60611-EST	5501-75
60612-EST	5501-100
60613-EST	5501-150
60614-EST	5501-200
60615-EST	5501-250
60616-EST	5501-350
60617-EST	5501-500
60810 Series	5800
60816	5800-12
60817	5800-60
60818	5800-100
60819	5800-200
OIL INTERCEPTOR OPTIONS	
15	27
60	24
61	24-26
65	HS2
66	HS3
85	298
BXT	XT
EXT	XT
HD	18
RT	FH

JOSAM	WADE
SOLIDS & LINT INTERCEPTORS	
61000-1	5750
61000-3	5750-1
61000-30	5750
61030-26	5720
61030-30	5720
61040A	5741
61070	Contact Factory
61080	Contact Factory
61090 Series	5900
61091	5900-45
61092	5900-54
61093	5900-72
61094	5900-81
61095	5900-90
61096	5900-108
61097	5900-135
61100 Series	5810
61103	5810-20
61104	5810-50
61105	5810-150
61106	5810-250
61107	5810-500
61402	5770
61500	5790
61800 Series	5600
61805	5600-7
61806	5600-20
61807	5600-30
61808	5600-40
SOLIDS INTERCEPTOR OPTIONS	
4	39
7	12
7-H20	12/H20
15	68
16	124
19	AP
26	69
30	ARC
60	24
61	24-26
86	157
316	316
EXT	XT
HD	HD
SS	SS
T	IPS
BACKWATER VALVES	
67100A	4456-31
67360	Contact Factory
67400	4200
67500	4200-HS
67600	4200-hs
67650	1780
67720	Contact Factory
67800	Contact Factory
HYDRANTS	
71000	8701
71020	8708
71050	8601
71070	8608
71600	8800
71650	8706
HYDRANT OPTIONS	
SS	SS
52	1

JOSAM	WADE
HYDRANT OPTIONS	
72	87
73	88
74	91
91	90
95	92
97	109
WATER HAMMER ARRESTORS	
75001-A	4480-A
75002-B	4480-B
75003-C	4480-C
75004-D	4480-D
75005-E	4480-E
75006-F	4480-F
75001-S	4481-A
75002-S	4481-B
75003-S	4481-C
75004-S	4481-D
75005-S	4481-E
75006-S	4481-F
TRENCH DRAINS	
76000	2950
76010	2920
76300	2902
76301	2902-12X24F
76302	2902-12X48F
76400	2902
76401	2902-12X24F
76402	2902-24X24F
76500	2902
76501	2902-12X24F
76502	2902-12X48F
76600	2902
76601	2902-12X24F
76602	2902-24X24F
76700	2902
76701	2902-12X24F
76702	2902-S-12X48F
76800	2902
76801	2902-12X24F
76802	2902-24X24F
TRENCH DRAIN OPTIONS	
1	1
2	2
20	VP
7	12
8-2	2
30	26
40	39
70	27
VP	5
X	IC
TRAPS & ACCESSORIES	
88100	4450
88210	4450-EF
88250	4402
88300	4402-DU
88350	4456
88400	4456
88450	4454
88550	4453
88560	4455
88600	4455
88900	4490
88910	4491
88950	3880

JOSAM	WADE
TRAPS & ACCESSORIES	
88970	3881
TRAPS & ACCESSORIES OPTIONS	
8-2	2
40	39
49	187
50	6
51	37

MIFAB	WADE
FLOOR DRAINS	
A1-C	1100 Body Only
F1000	1000-R
F1000-S	1000-S
F1000-5-3-28	1100SS-A5-85
F1000-6-3-28	1100SS-A6-85
F1000-7-3-28	1100SS-A7-85
F1000-8-3-28	1100SS-A8-85
F1000-10-3-28	100SS-A10-85
F1000-C	1000-R-26
F1000-C-90	1000-R-26-SO
F1100	1000-R
F1100C	1000-R-26
F1100-90	1000-R-S0
F1100C-90	1000-R-26-SO
F1100-AS	1100-AS
F1100C-AS	1100-AS
F1100-DD	1000-HD
F1100C-DD	1000-HD-26
F1100-EF	1000-R-EF4
F1100C-EF	1000-R-EF4-26
F1100-EG	1000-R-EG8
F1100C-EG	1000-R-EG8-26
F1000-ER	1100-ER
F1100-C-ER	1100-ER
F1100-FC	1100-FC
F1100C-FC	1100-FC
F1100-FT	1100-F
F1100-C-FT	1100-F
F1100-HG	1100-D
F1100C-HG	1100-D
F1100-K	1000-KR
F1100C-K	1000-KR-26
F1100-N	1000-TX
F1100C-N	1000-TX-26
F1100-RS48	1100-H4x8
F1100C-RS48	1100-H4x8
F1100-RS412	1100-H4x12
F1100C-RS412	1100-H4x12
F1100-RS517	1100-H5x17
F1100C-RS517	1100-H5x17
F1100-S	1000-S
F1100C-S	1000-S-26
F1100-SD	1100-BS
F1100C-SD	1100-BS
F1100-SHG	1100-N
F1100C-SHG	1100-N
F1100-T	1100-P
F1100C-T	1100-P
F1100-VD	1100-VD
F1100C-VD	1100-vd
F1100-WD	1100-WD
F1100-X	1000-RX
F1100C-X	1000-RX-26
F1100-XS	1000-SX
F1100C-XS	1000-SX-26
F1100-Z	1100-DT
F1100C-Z	1100-DT
F1100-ZS	1100-DTS
F1100C-ZS	1100-DTS
F1120C	1120-A
F1130C	1121-A
F1140C	1121-TS
F1170C	1850-C
F1170C-SD	1850-BS
F1210C	1000-R-26
F1220	Contact Factory
F1230	810
F1230-WF	910
F1300C	1000-TX7-26
F1320C	1000-TX8-26
F1330C	1040
F1340	1270

MIFAB	WADE
FLOOR DRAINS	
F1350	1270
F1350-Y-36	1980
F1360	1410
F1370	1420
F1420C	1000-TL-26
F1430C	1000-TL-26
F1440	1570
F1450	1570
F1460	2360
F1470	2360
F1480	1560
F1490	2360
F1500	1200-E
F1510	1200-E
F1520	1270
F1530	1317
F1540	1217
F1550	1417
F1560	1740
F1570	5810-20
F1580	1890
F1590	1890-296
F1590-SO	1890-SO
F1600C	2030 w/ 1000-R
F1620	2030 w/ 1000-TX
F1640	1310 W/ 1310-18
F1640L	1200 W/ 1200-18
F1650	9300
F1660	4440
F1810	3012-50
F1820	1862
F1830-P	1860
F1830-PL	1861
F1840	1867
FLOOR DRAIN OPTIONS	
1	1
2	1
4	12
5	27
5-1	A5
6	VP
6-1	A6
7	6
7-1	A7
8	31
8-1	A8
9	14
10-1	A10
11	ARC
12	40
13	39
14	41
15	23 or 94
16	4
20	7 or 9
21	8
23	19
25-1	18
34	33
35	123
40	53
41	52
44	37
C	26
F4	EF4
ER5	ER5
ER7	ER7
ER9	ER9
F4	EF4
F6	EF6
FC	FC
FT6-1	F
G	EG8

MIFAB	WADE
FLOOR DRAIN OPTIONS	
HG	D
J-1	EG6
K	KR5
N	TS
N7-1	TS7-1
N7-4	TS7-12
N7-4-13	TS7- 12-39
P	TY
R	H
RS48-1	H4x8-1
RS412-1	H4X12-1
RS517-1	H5X27-1
S	G
S5-1	G5
S6-1	G6
S8-1	G8
SHG	N
SHG6-3	N6
T6-3	P6
VD	VD
VD5-3	VD6
WD	WD
WD-3	WD3
X Strainer	A
X5-1	A5-1
X6-1	A6-1
X8-1	A8-1
Z5-1	DT7-1
ZS-1	DTS-1
TRENCH DRAINS	
T1000	WP2930SS-SDS
T1000-F-3	WP2930SS-SDS-SVS
T1100	WP2930CS-HDP
T1100-F-4	WP2930CS-HDP-CLP
T1150-F-4	2902-F12X12
T1150-F-4-2	2902-F12X24
T1200-F	2902-F12X24
T1200-FW	2902-F24X24
TL1320-FL-3	2930SS-FB
T1320-FL-4	2930CS-FB
T1350-FL-3	2940SS-FB
T1350-FL-4	2940CS-FB
TRENCH DRAIN OPTIONS	
1	1
2	1
4	12
5	27
6	5
8	31
12	40
13	39
C	26
FLOOR SINKS	
FS1520	9110-64
FS1520FL	9110-64
FS1520-FL-1	9110-1
FS1530	9200-64
FS1530-1	9200-1
FS1530FL	9200-64
FS1530-FL-1	9200-1
FS1720	9130-64
FS1720-FL	9130-64
FS1720-FL-1-9	9130-1
FS1730	9140-64
FS1730FL	9140-64
FS1740	9150-64
FS1740FL	9150-64
FS1750	9010-64
FS1750FL	9010-64
FS1760	9040-64
FS1760FL	9040-64
FS1760-FL-1	9040-1

MIFAB	WADE
FLOOR SINKS	
FS1760-FL-1	9040-1
FS1920	9730-85-9
FS1920FL	9730-85-9-24
FS1930	9740-85-9
FS1930FL	9740-85-9-24
FS1940	9750-85-9
FS1940FL	9750-85-9-24
FLOOR SINK OPTIONS	
1	1
5	27
6	VP
20	6
150	15
175	16
F4-1	EF4
F6-1	EF6
FLC	26
G-1	EG8
J-1	EG6
P	TY
X	18
ROOF DRAINS	
R1000-28-G8H	Contact Factory
R1100	3012
R1100-EU	3012-EB
R1100-F	3012-FCS
R1100-G	3012-DP
R1100-JC	3012-DFS
R1100-P	1000-TL-26
R1100-PJ	1000-TL-DFS-26
R1000-RS	3063
R1100-90	3012-SO
R1150	3043
R1200	3700
R1200-BUV	3700-DF-52-53
R1200-EU	3700-EB
ROOF DRAINS	
MIFAB	WADE
R1200-F	3700-FCS
R1200-G	3700-DP
R1200-HC	3700-BG
R1200-JC	3700-DFS
R1200-V	3000-DF
R1200-P	1570-26
R1200-P15	3101
R1200-R	3000-D
R1200-RS	3062
R1200-W	3700-SD
R1200-Z	3000-E
R1200-90	3000-SO
R1200-JD-M-G5H	3354
R1200-JD-G8H-AI	3355
R1200-JD-G18H-W31P-16.5L	3352
R1200-JD-W30	3347
R1200-JD-M-G5H-W31H4	3348
R1200-JD-W3P24L-R1104	3349
R1200-JD-W31024L-R1404T-1-833346	
R1200-JD-W31P24L-R1204-JD	3345
R1200-JD-W31P24L-F1444	3344
R1220	3000
R1220-EU	3000-EB
R1220-F	3007
R1220-G	3000-DP
R1220-JC	3000-DFS
R1220-P	3111
R1220-R	3000-D
R1220-RS	3061
R1250	3000
R1260	3001
R1300	3270
R1310	3270-45O
R1320	3290

MIFAB	WADE
ROOF DRAINS	
R1330	3290-45O
R1400	3240
R1420	3230
R1500	3930
R1850	3690
R1900	3900
R1930	3690
R1940	3940
R1960F	3941
ROOF DRAIN OPTIONS	
6	VP
13	39
81	3
83	50
B	52
C	54
EU	AE
F	3007
G	DFS or DP
HM	47
M	42
M-80	46
P	TY
R	D
T	IPS
U	53
V	DF
WD	SD
X (outlet type)	IC
X (FLASHING COLLAR)	55
CLEANOUTS	
C1000-R	8000-85
C1000-S	8000-S-85
C1000-RC	8000-CM-85
C1100-R-1	8050-1
C1100-R-4	8050-12
C1100-RFC	8050-FC
C1100-S	8050-S
C1100-T	8050-T
C1100-TS	8050-TS
C1100-UR	8050-U
C1100-US	8050-US
C1100-XR	8050-X-1
C1100-XS	8050-SX
C1200C	2030 w/ 8050-1
C1220	8130
C1222,3,4	8000-2/3/4NH
C1226,8	8000-6/8NH
C1230	810-CO
C1230-WF	910-CO
C1300-R	8300
C1300-S	8301
C1300-UR	8300-U
C1300-US	8300-US
C1310	8300
C1300-MF	8401
C1400-R	8300-83
C1400-RD	8304
C1400-S	8301-83
C1430	8590-RHP
C1430-R	8300-83-COP
C1430-RD	8304-COP
C1430-S	8301-83-COP
C1440	8597
C1440-RD	8304-COP
C1440-S	8301-COP
C1450	810-CO
C1450-R	810-CO w/ 8300-83
C1450-RD	810-CO w/ 8304
C1450-S	810-CO w/ 8301-83
C1460	8560
C1460-R	8304-COT

MIFAB	WADE
CLEANOUTS	
C1460-RD	8300-83-COT
C1430-RD	8470R
C1400-R	8480C
C1400-RD	8480R
C1460-S	8301-83-COT
C1500	Contact Factory
C1600	1121-A
CLEANOUT OPTIONS	
6	179
13	39
34	118
34B	75
C1430	B
C1430	E
P	TY
RC	CM
RC	72
RFC	CF
S	S
T	T
TS	TS
UR	U
US	US
X	IC
XR	X
XS	XS
Z	D
INTERCEPTORS	
MI-CS	5100-FH
MI-CS-EN	5100-FHT
MI-FISH	5700
MI-G	5100
MIG-AD	Contact Factory
MI-G-C	5100-XT
MI-G-SD	5102
MI-GL	5105
MI-G-SS	5101
MI-G-SDH	5103
MI-G-L-SDH	5106
MI-G-L-P	Contact Factory
MI-G-P	Contact Factory
MI-HAIR	5750
MI-HEL	Contact Factory
MI-LINT	5600
MI-O	5400
MI-O-HU	5500
MI-OS	5800
MI-O	5400
MI-O-HU	5500
MI-OS	5800
MI-SOLID-LB	5730
MI-SOLID-M	5740
MI-SOLID-L	5741
MI-SD	5800
MI-SAND	5900
XL-MI-G	5200
CLOSET CARRIERS	
MC-10L	311-NL4
MC-10R	311-NR4
MC-10D	311-ND4
MC-10L-HS	311-CL4
MC-10R-HS	311-CR4
MC-10D-HS	311-CD4
MC-10L-HDX	311XH-NL4
MC-10R-HDX	311XH-NR4
MC-10D-HDX	311XH-ND4
MC-10L-EXT	311-NL4-LR
MC-10R-EXT	311-NR4-LR
MC-10D-EXT	311-ND4-LR
MC-10L-27	311-UA-L
MC-10R-27	311-UA-R
MC-10D-27	311-UA-ND

MIFAB	WADE
CLOSET CARRIERS	
MC-10L-27-36	311-NL4-36
MC-10R-27-36	311-NR4-36
MC-10D-27-36	311-ND4-36
MC-12	330-N4
MC-12D	330-ND4
MC-12-HS	330-C4
MC-12D-HS	330-CD4
MC-13-2	330-NL44-A2
MC-13L	330-NL44-A1-
MC-13R	330-NR44-A1
MC-13D	330-ND44-A1
MC-13D-2	330-ND44-A2
MC-13-2-HS	330-CL44-A2
MC-13L-HS	330-CL44-A1-
MC-13R-HS	330-CR44-A1
MC-13D-HS	330-CD44-A1
MC-13D-2-HS	330-CD44-A2
MC-14-3-V2-HS	350-C4
MC-14-4-V2	350-N2
MC-14-4-V4	350-N4
MC-15L	360-NL4
MC-15R	360-NR4
MC-15D	360-ND4
MC-15L-HS	360-CL4
MC-15R-HS	360-CR4
MC-15D-HS	360-CD4
MC-21T	410
MC-22N	410
MC-22T	410
MC-25-3-2	380-P3
MC-25-4-2	350-N2
MC-25-4-4	350-N2
MC-25-4D	*371-D
MC-25-RV2	*371
MC-28	362
CLOSET CARRIER OPTIONS	
1	AM21
10	M4
11	M14
14	M3
20	AM1
CI	M26
D	D
HS	C
O	P
R	R
FIXTURE CARRIERS	
MC31	401-M36
MC-31-D	401-D-M36
MC32	402-M36
MC32D	402-D-M36
MC33	403-BL-M36
MC33-2	403-BL-M36-LBP
MC34	620-M36
MC34-D	MTO
MC35	623-M36
MC36	461
MC36-2	461-AM11
MC37	462
MC38-D	462-AM11
MC-39	472
MC39-D	472-AM11
MC41	520M36
MC41-D	520-D-M36
MC41-R	520
MC41D-R	520-D
MC42	520-M24-M36
MC42-D	520-D-M24-M36
MC42-R	520-M24
MC42D-R	520-D-M24
MC51	572
MC51-WC	572-M24

MIFAB	WADE
FIXTURE CARRIERS	
MC51-LP	573
MC51LP-WC	573-M24
MC53	571
MC53-WC	571-M24
MC55	571
MC56	572CA
MC61-N	640*
MC61-T	640
MC62-4-V2	640-F42
MC62-4-V4	640-F4
FIXTURE CARRIER OPTIONS	
1	AM21
14	M3
E2	M23
F	AM27
G	AM28
HYDRANTS	
MHY-10	8600
MHY-20	8700
MHY-35	8607
MHY-45	8606
MHY-60	8800
MHY65/66	8900/8901
BACKWATER VALVES	
BV1000	MTO
NOT AVAILABLE	4300
TRAP PRIMERS	
MIFAB	WADE
M-500-NPB	4402
MI-DU	4402-DU
WATER HAMMER ARRESTORS	
MIFAB	WADE
MWH-A	4481-A
MWH-B	4481-B
MWH-C	4481-C
MWH-D	4481-D
MWH-E	4481-E
MWH-F	4481-F
WHB-A	4480-A
WHB-B	4480-B
WHB-C	4480-C
WHB-D	4480-D
WHB-E	4480-E
WHB-F	4480-F

Nominal Pipe Size	Pipe Outside Diameters								
	IPS	No-Hub	SV	XH	AWWA 100,150,200	Duriron B&S	Duriron MJ	Asbestos Cement	Copper (CTS)
1/8"	0.405								
1/4"	0.540								0.375
3/8"	0.675								0.500
1/2"	0.840								0.625
3/4"	1.050								0.875
1"	1.315								1.125
1 1/4"	1.660								1.375
1 1/2"	1.900	1.900					2.188		1.625
2"	2.375	2.350	2.300	2.380	2.500	2.688	2.625		2.125
2 1/2"	2.875								2.625
3"	3.500	3.350	3.300	3.500	3.960	3.781	3.750	3.840	3.125
3 1/2"	4.000								3.625
4"	4.500	4.380	4.300	4.500	4.800	4.781	4.750	4.810	4.125
5"	5.563	5.300	5.300	5.500					5.125
6"	6.625	6.300	6.300	6.500	6.900	6.688		6.910	6.125
8"	8.625	8.380	8.380	8.620	9.050	9.000		9.110	8.125
10"	10.750	10.560	10.500	10.750	11.100	11.250		11.660	10.125
12"	12.750	12.620	12.500	12.750	13.200	13.250		13.920	12.125
14"	14.000				15.300			16.220	
15"		15.840	15.620	15.880		16.750			
16"	16.000				17.400			18.460	
18"	18.000				19.500			20.940	
20"	20.000				21.600			23.280	
22"	22.000								
24"	24.000				25.800			27.960	
26"	26.000								
28"	28.000								
30"	30.000				32.000				
32"	32.000								
34"	34.000								
36"	36.000				38.600				
42"	42.000				44.500				
48"					50.800				

Copper Pipe and Tubing
When measuring copper pipe, sweat fittings are measured by their inside diameter (I.D.) and compression fittings are measured by their outside diameters (O.D.).

Water Pressure Conversion Table			
Head in Feet	**P.S.I.**	**P.S.I.**	**Head in Feet**
1	0.43	1	2.31
2	0.87	2	4.62
3	1.30	3	6.93
4	1.73	4	9.24
5	2.17	5	11.55
6	2.60	6	13.86
7	3.03	7	16.16
8	3.46	8	18.47
9	3.90	9	20.79
10	4.33	10	23.09
20	8.66	20	46.19
30	12.99	30	69.29
40	17.32	40	92.38
50	21.65	50	115.48
60	25.98	60	138.57
70	30.31	70	161.67
80	34.64	80	184.76
90	38.97	90	207.86
100	43.30	100	230.95
The above table is based on water at 39.2 degrees F or 62.425 pounds per Cu.Ft. maximum density.			

TECHNICAL INFORMATION

Taper Pipe Thread Data			
Nominal Size	Outside Diameter	Number of Threads Per Inch	Tap Drill Sizes (NPT)
1/4	.540	18	7/16 (.438)
3/8	.675	18	9/16 (.563)
1/2	.840	14	45/64 (.703)
3/4	1.050	14	29/32 (.906)
1	1.315	11-1/2	1-9/64 (1.406)
1-1/4	1.660	11-1/2	1-31/64 (1.4844)
1-1/2	1.900	11-1/2	1-23/32 (1.7188)
2	2.375	11-1/2	
2-1/2	2.875	8	
3	3.50	8	
3-1/2	4.00	8	
4	4.500	8	
5	5.563	8	
6	6.625	8	
8	8.625	8	

Common Screw Data (UNC) Grade 5					
Nominal Size	Outside Diameter	Number of Threads Per Inch	Width Across Flats	Drill Tap Size	Tightening Torque (Lb.Ft.)
#10	.190	24	5/16	26 (.147)	4
1/4	.250	20	7/16	7 (.201)	8
5/16	.313	18	1/2	F (.257)	17
3/8	.375	16	9/16	5/16 (.313)	31
7/16	.438	14	5/8	U (.368)	50
1/2	.500	13	3/4	27/64 (.422)	78
9/16	.563	12	13/16	31/64 (.484)	109
5/8	.625	11	15/16	17/32 (.531)	150
3/4	.750	10	1-1/8	21/32 (.656)	266
7/8	.875	9	1-5/16	49/64 (.765)	430
1	1.000	8	1-1/2	7/8 (.875)	644
Tightening Torque Guide is for Plain Un-Lubricated Screws					

Steel Sheet Data		
Size	Thickness	Weight Per Sq.Ft.
28 GA	0.0148	.625
27 Ga	0.0164	.688
26 GA	0.0179	.750
25 GA	0.0209	.875
24 GA	0.0239	1.00
23 GA	0.0269	1.125
22 GA	0.0299	1.250
1/32	0.0312	1.260
21 GA	0.0329	1.375
20 GA	0.0359	1.500
19 GA	0.0418	1.750
18 GA	0.0478	2.000
16 GA	0.0598	2.812
15 GA	0.0673	2.815

Steel Sheet Data		
Size	Thickness	Weight Per Sq.Ft.
14 GA	0.0747	3.125
13 GA	0.0897	3.750
12 GA	0.1046	4.375
11GA	0.1196	5.000
10 GA	0.1345	5.625
9 GA	1.1495	6.250
8 GA	0.1644	6.875
7 GA	0.1793	7.500
3/16	0.1875	7.650
1/4	0.2500	10.200
5/16	0.3125	12.750
3/8	0.3750	15.300
1/2	0.5000	20.400