

CLOSET CARRIERS

Types of Carriers

The JOSAM 12000 Series and –32 Wide Chase Closet Carriers for commercial installation suit all makes and types of off-the-floor closet bowls. Simply indicate the information below for the product desired.

CARRIER TYPE	APPLICATION
COMMERCIAL ADJUSTABLE FITTINGS ON-STACK, HUB & SPIGOT, NO-HUB	For use with 12000 and –32 Wide Chase Carriers in single, battery or on-stack installation of closet bowls.
COMMERCIAL FITTINGS ON-STACK, HUB & SPIGOT, PLASTIC	For commercial on-stack installation of closet bowls.
CLOSE CARRIERS & FITTINGS HUB & SPIGOT, NO-HUB	For installation in soil stack where pipe space is minimum.

How To Order

EXAMPLE: Series No. 12704

12704 -LH4 -10

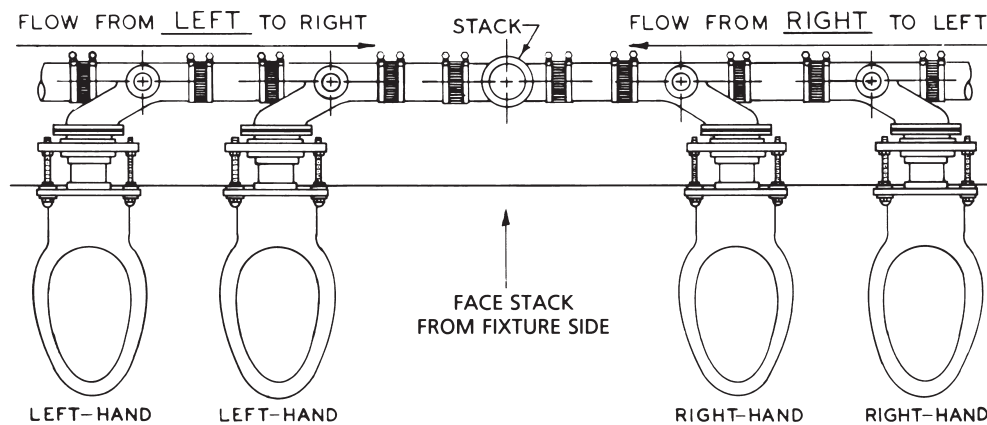
Outlet Size _____

Option, Left-Hand 4" No-Hub Branch _____

Option, ABS Extension, through 10-1/2" Wall _____

Horizontal Fitting & Carrier Selection

DIAGRAM TO DETERMINE LEFT- OR RIGHT-HAND CLOSET FITTINGS



1. If flow in waste line is **from the right of the stack**, the closet fitting should be a **right-hand fitting**.
2. If flow in waste line is **from the left of the stack**, the closet fitting should be a **left-hand fitting**.

CLOSET CARRIERS

Advantages of Off-The-Floor Plumbing Fixtures

WHY OFF-THE-FLOOR PLUMBING FIXTURES?

The reasons are many – including aesthetics, installation, cost, maintenance and sanitation. This concept in modern plumbing has been acknowledged for many years by leading architects, engineers and mechanical contractors to be far superior in all respects to systems with floor-mounted fixtures. The more significant advantages of off- versus on-the-floor plumbing fixtures and their required support and drainage systems are presented on these pages for your consideration when specifications are written.

AESTHETICS

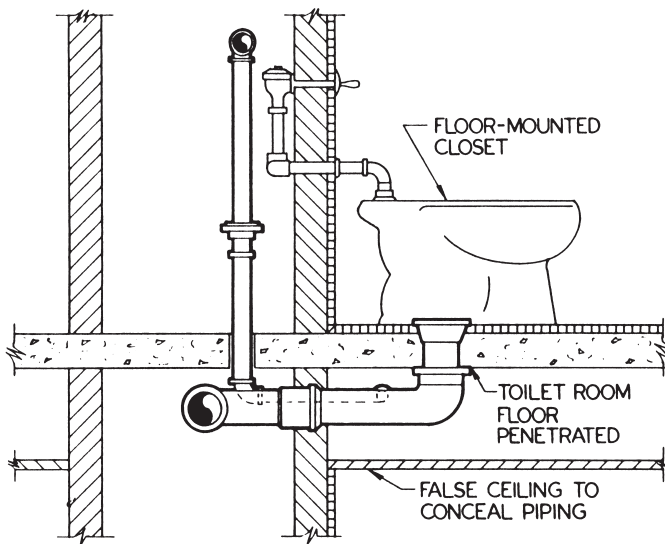
In keeping with the current trends of architectural design toward smooth, uncluttered lines, off-the-floor plumbing fixtures are the necessary practical complement in toilet and restroom décor. Victorian pedestals and unsightly floor-mounted closets of a bygone year cannot be aesthetically integrated in contemporary designs.

INSTALLATION

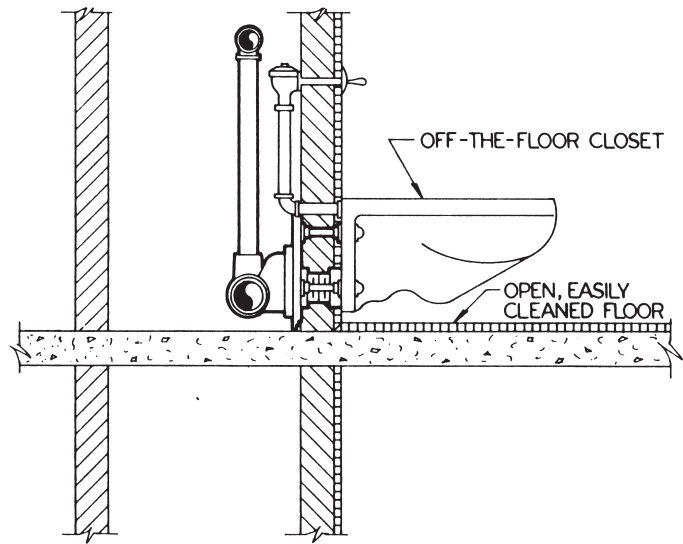
Many factors, including cost, material, labor required, space, handling and others must be thoroughly evaluated when planning an installation. With on-the-floor water closets, slabs must be penetrated and sleeved at each fixture to accommodate waste piping which, in many instances, has to be suspended below the slab.

Such suspended piping requires concealment in multi-story installations, thereby necessitating drop or furred ceilings in the rooms below. The fitting and assembly of waste piping in such installations, as a rule, must be accomplished on the spot with the aid of scaffolding and extra mechanics, which contributes to high construction costs and affects not only the mechanical contractor but the structural, floor, wall and ceiling mechanics as well.

Conversely, with off-the-floor fixtures, there is no slab penetration in toilet room areas. The support and piping systems are concealed behind the walls. Such systems are ideally suited to the modern modular plumbing concept as they are readily fabricated either on site or in the contractor's shop at significant savings over conventional piece-by-piece assembly. A well planned and executed off-the-floor fixture installation today will provide lasting benefits appreciated by future building occupants and owners.



ON-THE-FLOOR WATER CLOSET



OFF-THE-FLOOR WATER CLOSET

MAINTENANCE AND SANITATION

The benefits of off-the-floor plumbing will immediately become evident to those involved in maintenance. Mechanically, off- and on-the-floor plumbing installations are similar in terms of service required. However, when service is necessary, it is generally agreed that off-the-floor fixtures and attendant systems are more easily maintained. With no obstructions, daily floor cleaning is accomplished more effectively in far less time than needed to work around on-the-floor fixtures.

Toilet rooms are the most susceptible of all rooms to unsanitary conditions. Therefore, sanitation should be the foremost consideration in the design of such rooms. On-the-floor fixtures, regardless of their efficiency or manufacture, provide natural harbors at the base for accumulated filth, which is virtually impossible to remove, never allowing total sanitation. The ever-present problem of floor deterioration adjacent to and under on-the-floor fixtures is completely eliminated with off-the-floor installations. Off-the-floor plumbing fixtures eliminate this potential health hazard, and toilet room floors are clear of obstructions which hamper efforts to achieve proper sanitary maintenance. Another advantage of off-the-floor fixtures is that they provide much greater rentable or usable floor space than do on-the-floor fixtures, and that is a factor which should be considered when fixture selection is made. The specification of off-the-floor fixtures will prove to be a wise and practical decision.

CLOSET CARRIERS

Advantages of Off-The-Floor Plumbing Fixtures

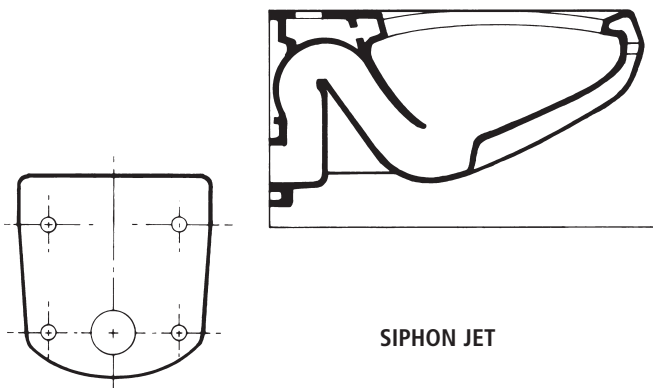
SUPPORT & DRAINAGE SYSTEMS

When JOSAM entered into the manufacturing of off-the-floor plumbing fixture carriers and fittings, extensive research was conducted into the requirements for support and discharge of these fixtures. From this research, the design of the JOSAM line of carriers and fittings evolved, including such innovations as invertible carriers to mount either siphon jet or blowout water closets, common vents on back-to-back fittings, dual feet on closet carriers to accommodate all fixture roughing heights in any floor construction and many others.

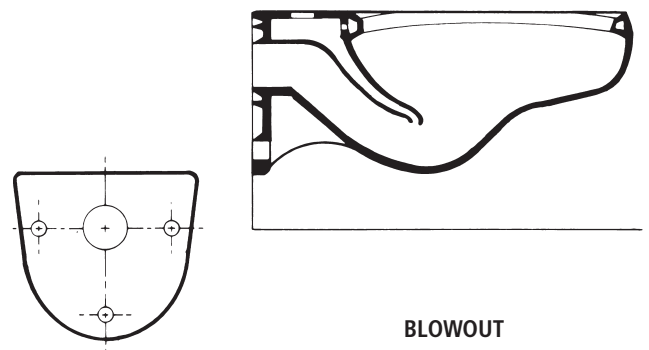
Our innovations have been copied, but not equaled, and they paved the way for universal acceptance of this line of products. In the ensuing years, this product line has been expanded to meet new requirements as they develop in the dynamic construction industry. The result is today's most comprehensive range of products for off-the-floor plumbing fixture support and drainage.

TYPES OF WATER CLOSETS

Prior to the introduction of JOSAM universal carriers, it was necessary to specify carriers for each specific type of water closet. Even though JOSAM has taken this task out of carrier specifications, water closet types should be understood. There are two basic types of water closets, identifiable by their flushing action, that are normally used in commercial installations requiring carriers. These are siphon jet and blowout action water closets. The siphon jet bowl is attached to the carrier with four mounting studs arranged in a rectangular pattern whereas the blowout bowl is mounted on three studs arranged in a triangular pattern, point down. By inverting the carrier body, JOSAM carriers accommodate either type. Both siphon jet and blowout type water closets are also produced in floor-mounted wall-out-let pattern and require special drainage fitting connections.



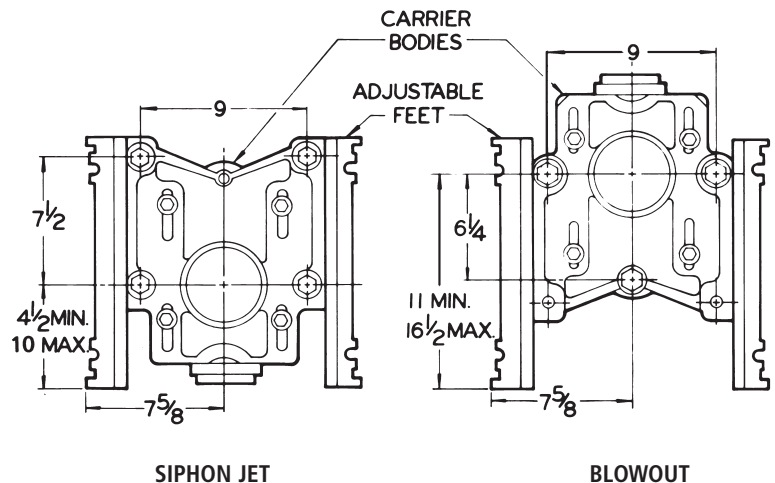
This type, because of its quiet, efficient, sanitary flushing action, is usually specified in most commercial, institutional and hotel applications. Water is introduced into the bowl through the rim and up leg of trap through jets placed there to fill the trapway thus creating siphonic action to quickly evacuate the bowl. The large water surface in the bowl insures sanitation.

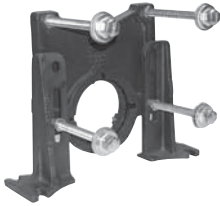
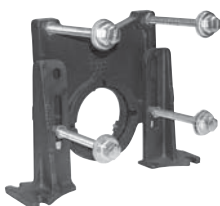
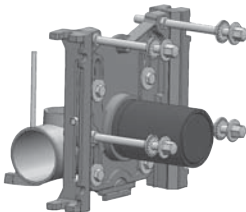
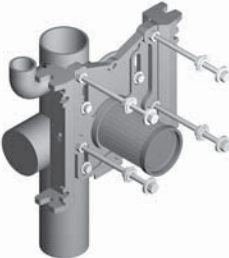
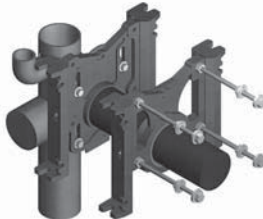


This type is particularly suited to heavy use applications such as public facilities in stadiums and terminals. The flushing action produced by the jet of water in the outlet passage is strong for rapid evacuation of the bowl. Fouling problems are minimal. However, because of the powerful flushing action, this type of closet is noisy to operate.







ONE CARRIER FOR SIPHON JET OR BLOWOUT







CHASE-SAVER® is shipped pre-assembled for siphon jet closets and is quickly inverted for use with blowout closets.









CARRIERS		12000 TRIM PACKS		
11001 With 4" Pipe Grip Adapter  Page 23	11007/11008 With 3" & 4" Copper Fitting Adapters  Page 23	12000  Page 14	12000-OR  Page 15	12000-32  Pages 16

HORIZONTAL ADJUSTABLE FITTINGS				VERTICAL ADJ. FITTINGS	
12674/12684 No-Hub, Single, 12674, L.H., 12684, R.H.  Page 24	12694 No-Hub, Back-to-Back  Page 24	12674/12684-HS Hub & Spigot, Single, 12674-HS, L.H., 12684-HS, R.H.  Page 25	12694-HS Hub & Spigot, Back-to-Back  Page 25	12704 No-Hub, Single, L.H. 2" Vent  Page 26	12704-HS Hub & Spigot, Single, L.H. 2" Vent  Page 26







VERTICAL ADJUSTABLE FITTINGS					
12704-LH4 No-Hub, Single, L.H. 4" Branch, L.H. 2" Vent  Page 26	12704-HS-HLH4 Hub & Spigot, Single, L.H. 4" Branch, L.H. 2" Vent  Page 27	12704-RH4 No-Hub, Single, R.H. 4" Branch, L.H. 2" Vent  Page 27	12704-HS-HRH4 Hub & Spigot, Single, R.H. 4" Branch, L.H. 2" Vent  Page 27	12704-D4 No-Hub, Single, Two 4" Branches, L.H. 2" Vent  Page 27	12704-HS-HD4 Hub & Spigot, Single, Two 4" Branches, L.H. 2" Vent  Page 27

VERTICAL ADJUSTABLE FITTINGS					
12714 No-Hub, Single, R.H. 2" Vent  Page 28	12714 -HS Hub & Spigot, Single, R.H. 2" Vent  Page 28	12714-RH4 No-Hub, Single, R.H. 4" Branch, R.H. 2" Vent  Page 28	12714-HS-HRH4 Hub & Spigot, Single, R.H. 4" Branch, R.H. 2" Vent  Page 29	12714-LH4 No-Hub, Single, L.H. 4" Branch, R.H. 2" Vent  Page 29	12714-HS-HLH4 Hub & Spigot, Single, L.H. 4" Branch, R.H. 2" Vent  Page 29







VERTICAL ADJUSTABLE FITTINGS

12714-D4 No-Hub, Single, Two 4" Branches, R.H. 2" Vent  Page 29	12714-HS-HD4 Hub & Spigot, Single, Two 4" Branches, R.H. 2" Vent  Page 29	12724 No-Hub, Back-to-Back, 2" Vent  Page 30	12724-HS Hub & Spigot, Back-to-Back, 2" Vent  Page 31	12724-VS4 No-Hub, Back-to-Back, 4" Branch, 2" Vent Same Side  Page 31	12724-OS4 No-Hub, Back-to-Back, 4" Branch, 2" Vent Opposite Side  Page 31
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VERTICAL ADJUSTABLE FITTINGS

12724-HS-HVS4 Hub & Spigot, Back-to-Back, Single Branch, 2" Vent  Page 31	12724-D4 No-Hub, Back-to-Back, Two 4" Branches, 2" Vent  Page 31	12724-HS-HD4 Hub & Spigot, Back-to-Back, Two 4" Branches, 2" Vent  Page 31	14004/14024 L.H. Offset, L.H. 2" Vent R.H. Offset, R.H. 2" Vent  Page 32	14044 Back-to-Back, Offset, 2" Vent  Page 32	14064 Single, On-Stack, 4" Vent  Page 33
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VERTICAL CLOSE FITTINGS

14104 Single, On-Stack, 2" Vent  Page 33	14404/14424 L.H. Offset, L.H. 2" Vent R.H. Offset, R.H. 2" Vent  Page 34	14444 Back-to-Back, Offset, 2" Vent  Page 34	14464 Single, On-Stack, 4" Vent  Page 35	14484 Back-to-Back, On-Stack, 4" Vent  Page 35	14504 Single, On-Stack, 2" Vent  Page 36
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90° INSTITUTIONAL CARRIERS

15964 Vertical, 2" Vent, 4" Branches  Page 37	15984 Vertical, 2" Vent, 4" Branches  Page 37
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FLOOR-MOUNTED

16123 Single, On-Stack, 3" PVC Fitting Adapter  Page 38
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CLOSET CARRIERS

12000-PF Series CHASE-SAVER® II Features

JOSAM 12000-PF Series CHASE-SAVER® II Closet Carrier meets the most rigid requirements for securing and supporting water closets. Some of the many specification and installation features are shown below. CHASE-SAVER® II can be used to mount either siphon jet or blow-out closets by inverting the carrier body. This carrier was specifically designed for pre-fabricated plumbing systems and exceeds the requirements of American National Standard ANSI A112.6.1M-1997. Pre-assembled carrier and pylon feet are packed with all the hardware. The extension and fitting are shipped separately for convenient handling at the fabrication or job site.

FITTING GASKET

Neoprene gasket with raised "O" ring beads on both sides provides a positive watertight seal between fitting and carrier.

PYLON FEET

Heavy-duty cast iron, compact, invertible (same foot both sides – no rights and lefts) outboard side mount for easy access to all assembly hardware, with "Wrap around" carrier retaining channel (1) which "locks" foot to carrier with only one bolt (2). Each foot requires only one floor anchor bolt and has additional "convenience" slots (3) for securing pre-fab transport frames, and pipe supports, incorporates handy elevation scale (4) divided in 1/2" increments on front to permit roughing-in at a glance, extends only 3/4" in front of carrier with flat vertical face and 13-3/4" height accommodates either standard or high rough mounting.

ANCHOR FOOT

Cast iron, rotatable, secured to back of fitting by means of fully threaded rod for complete adjustment, provides the final link in the 3 point support system for ultimate stability of the installation.

FIXTURE GASKET

JIFFEE-SEAL Neoprene Gasket fits all closet gasket recesses.

BOWL STABILIZER BACK UP WASHERS

Provide gripping power necessary to prevent water closet from settling out of installed location over a long period of time.

HARDWARE

Zincbrite plating protects all hardware and cap nuts are finished in chrome.

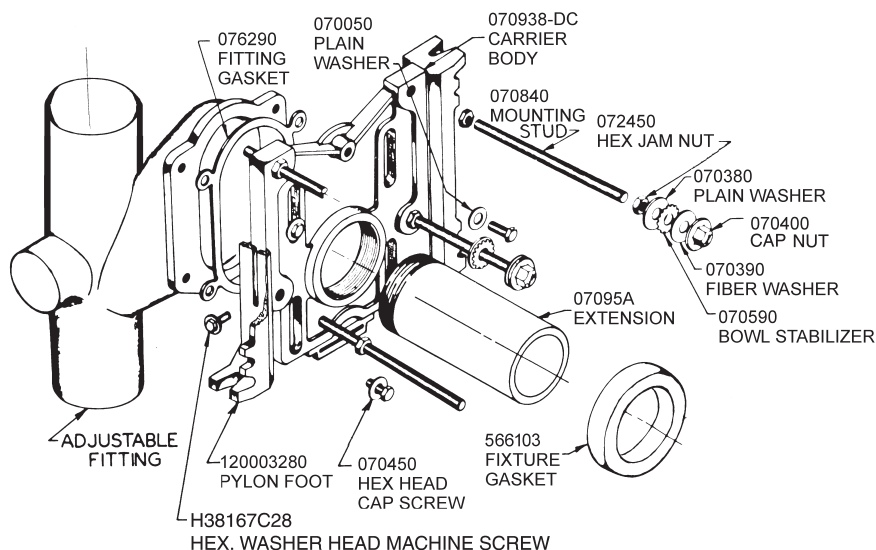
ADJUSTABLE EXTENSION

High strength ABS plastic with built-in test cap, assembled to carrier body with positive taper threads, easily cut to desired length. Furnished 7" long standard for 1" minimum to 5-1/2" maximum dimension, and 12" long (specify -10 Option) for 10-1/2" maximum dimension.

CARRIER BODY

Heavy-duty cast iron, compact, invertible for positive support of siphon jet or blow-out closets, with break-off tabs for rough-in less than standard 5-1/2", at the base (in siphon jet position), accommodates complete range of rough-in heights in two models, one (standard) for 4-1/2" through 6" and the other for higher rough, bolts directly to fitting. Bolt securing standard, stud securing is optional.

SPECIFICATION: JOSAM 12000-PF Series coated cast iron CHASE-SAVER® II Closet Carrier with adjustable connection, adjustable pylon feet, ABS extension with integral test cap, chrome plated trim, coated accessories and JIFFEE-SEAL Neoprene fixture gasket, for use with blowout or siphon jet water closets.



CLOSET CARRIERS

12000-OR Series CHASE-SAVER® II Features

JOSAM 12000-OR Series CHASE-SAVER® II Closet Carrier meets the most rigid requirements for securing and supporting water closets. Some of the many specification and installation features are shown below. CHASE-SAVER® II can be used to mount either siphon jet or blow-out closets by inverting the carrier body. This carrier was specifically designed for pre-fabricated plumbing systems and exceeds the requirements of American National Standard ANSI A112.6.1M-1997. Pre-assembled carrier and pylon feet are packed with all the hardware. The extension and fitting are shipped separately for convenient handling at the fabrication or job site.

FITTING GASKET

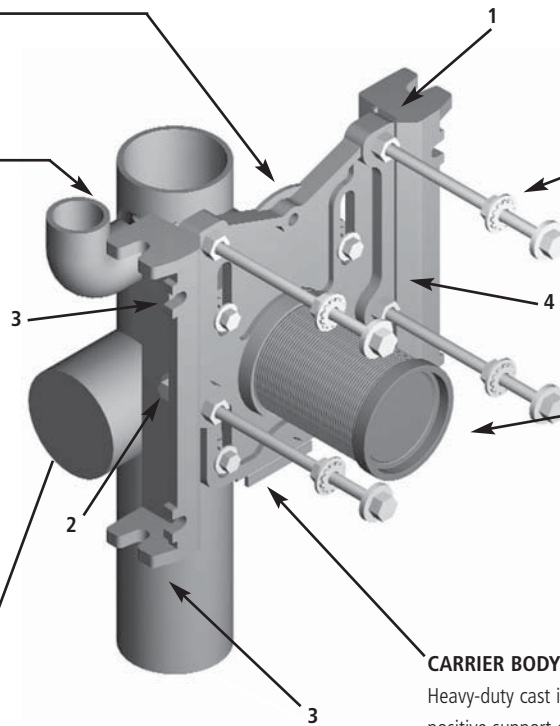
Neoprene gasket with raised "O" ring beads on both sides provides a positive watertight seal between fitting and carrier.

PYLON FEET

Heavy-duty cast iron, compact, invertible (same foot both sides – no rights and lefts) outboard side mount for easy access to all assembly hardware, with "Wrap around" carrier retaining channel (1) which "locks" foot to carrier with only one bolt (2). Each foot requires only one floor anchor bolt and has additional "convenience" slots (3) for securing pre-fab transport frames, and pipe supports, incorporates handy elevation scale (4) divided in 1/2" increments on front to permit roughing-in at a glance, extends only 3/4" in front of carrier with flat vertical face and 13-3/4" height accommodates either standard or high rough mounting.

ANCHOR FOOT

Cast iron, rotatable, secured to back of fitting by means of fully threaded rod for complete adjustment, provides the final link in the 3 point support system for ultimate stability of the installation.



FIXTURE GASKET

JIFFEE-SEAL Neoprene Gasket fits all closet gasket recesses.

BOWL STABILIZER BACK UP WASHERS

Provide gripping power necessary to prevent water closet from settling out of installed location over a long period of time.

HARDWARE

Zincbrite plating protects all hardware and cap nuts are finished in chrome.

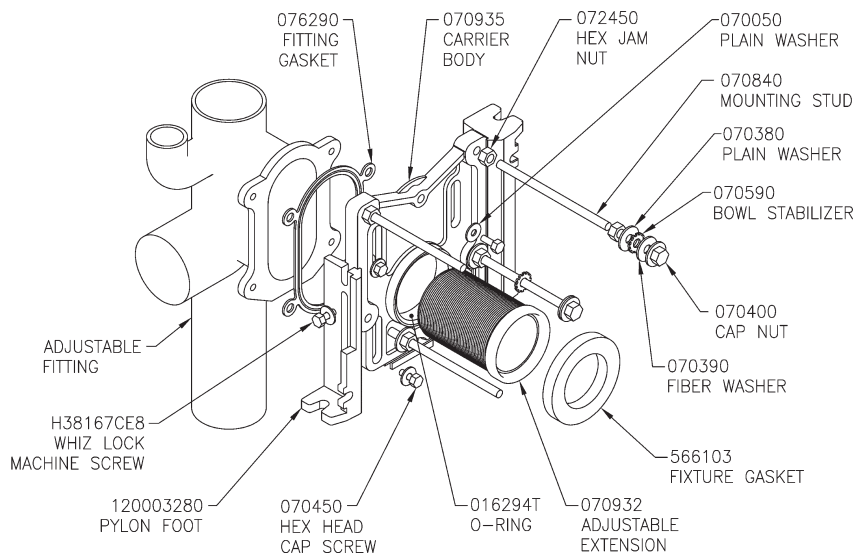
ADJUSTABLE EXTENSION

Threaded high strength ABS plastic with built-in test cap, assembled to carrier body and o-ring to form a gas and watertight seal. Furnished 6" long standard, easily cut for 1" minimum to 5-1/2" maximum dimension. For 12" long extension (specify -10 Option) for 10-1/2" maximum dimension.

CARRIER BODY

Heavy-duty cast iron, compact, integral o-ring sealing connection, invertible for positive support of siphon jet or blow-out closets, with break-off tabs for rough-in less than standard 5-1/2", at the base (in siphon jet position), accommodates complete range of rough-in heights in two models, one (standard) for 4-1/2" through 6" and the other for higher rough, bolts directly to fitting. Bolt securing standard, stud securing optional.

SPECIFICATION: JOSAM 12000-OR Series coated cast iron CHASE-SAVER® II Closet Carrier with adjustable connection, adjustable pylon feet, ABS extension with integral test cap, chrome plated trim, coated accessories and JIFFEE-SEAL Neoprene fixture gasket, for use with blowout or siphon jet water closets.



CLOSET CARRIERS

-32 WIDE CHASE CARRIER Features

CARRIERS

JOSAM -32 Wide Chase Carrier is universal for all applications in any type of construction, providing positive support for either siphon jet or blowout off-the-floor closets whether construction involves monolithic floors, minimum or maximum floor fills and high or low roughing. The carrier assembly, separate from the fitting and face plate assembly, is ideally suited for installation in wide chases as it can be positioned in or immediately behind the wall where the closet support should be, regardless of stack or drainage line location. The -32 Carrier comes from the factory shrink wrapped and partially assembled for convenient storage until required for use with any JOSAM adjustable fitting and face plate assembly.

12000 CARRIER BODY

Compact cast iron heavy-duty construction, invertible with break-off sections to provide various roughing heights to meet all drainage and pitch requirements for waste line.

ANCHOR FOOT

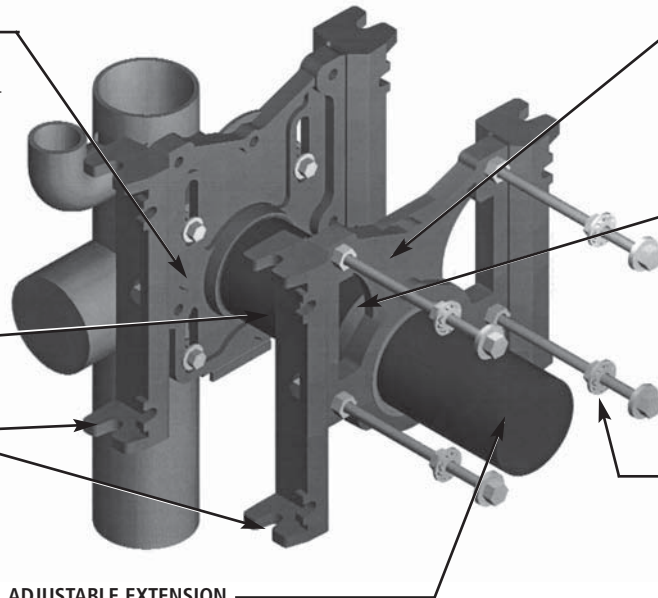
Cast iron, rotatable foot is secured to back of fitting by means of fully threaded rod for complete adjustment.

NPT NIPPLE

Provided by others.

PYLON FEET

Heavy-duty cast iron, compact, invertible (same foot both sides – no rights and lefts) outboard side mount for easy access to all assembly hardware. (Same foot as our standard 12000 Series Carrier.)



12000-32 CARRIER BODY

Compact cast iron heavy-duty construction, invertible and provides various roughing heights to meet all drainage and pitch requirements for waste line.

COUPLING

Heavy-duty cast iron coupling, threaded to allow connection between nipple and ABS extension.

FIXTURE GASKET

JIFFEE-SEAL Neoprene Gasket fits all closet gasket recesses.

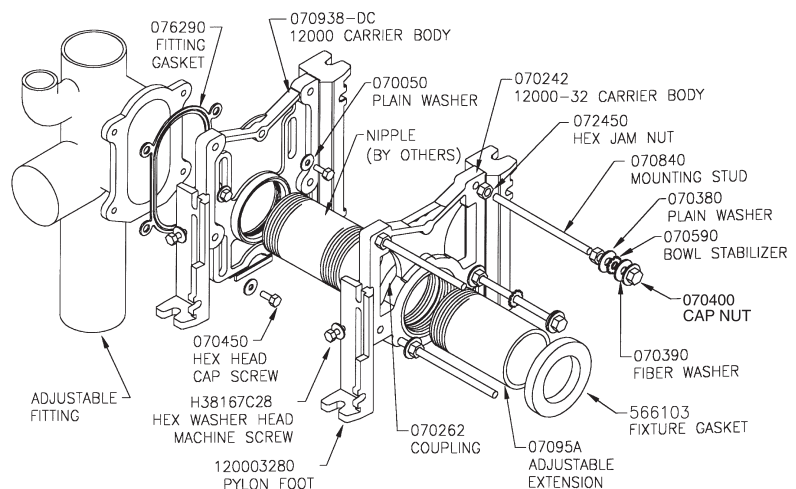
BOWL STABILIZER BACK-UP WASHERS

Provide gripping power necessary to prevent water closet from settling out of installed location over a prolonged period of time.

ADJUSTABLE EXTENSION

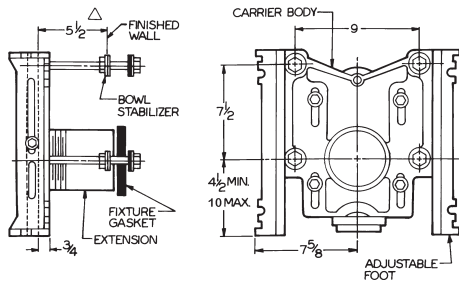
High strength ABS plastic with built-in test cap, assembled to body with positive taper threads, easily cut to desired length. Furnished 7" long standard for 1" minimum to 5-1/2" maximum dimension and 12" long, (specify -10 Option) for 10-1/2" maximum dimension. Cast iron extensions are available on special order.

SPECIFICATION: JOSAM -32 coated cast iron Wide Chase Closet Carrier with adjustable closet connection, adjustable pylon feet, ABS extension with integral test cap, chrome plated trim, coated accessories and JIFFEE-SEAL Neoprene fixture gasket, for use with blowout or siphon jet water closets.

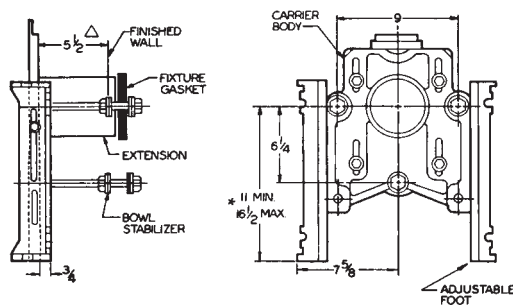


CLOSET CARRIERS

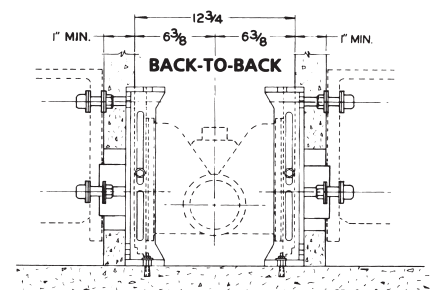
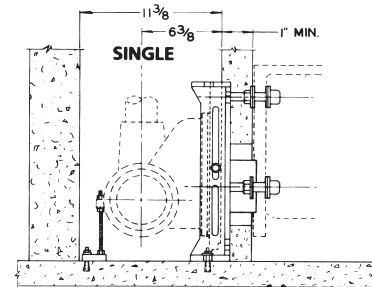
12000 Series Minimum Dimensions



Carrier shown in Siphon Jet Position

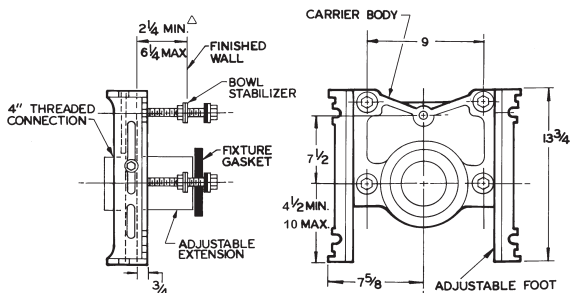


Carrier shown in Blowout Position

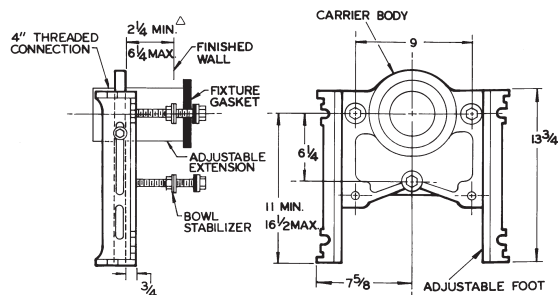


△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.), CUT EXT.
FOR LONGER EXT. (10-1/2" MAX.), SPECIFY -10 OPTION.
* FOR DIM. GREATER THAN 12-1/2", SPECIFY 12000-M1358.

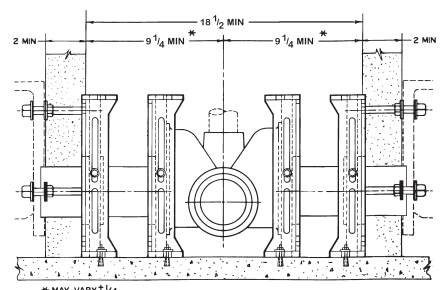
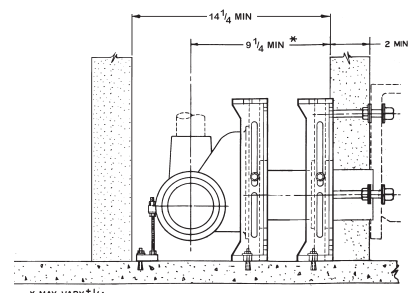
-32 Option Minimum Dimensions



Carrier shown in Siphon Jet Position



Carrier shown in Blowout Position



△ FOR DIM. LESS THAN 3-3/4" CUT EXT.
* MAY VARY ±1/4"

ADJUSTABLE EXTENSIONS AVAILABLE FOR -32 OPTION

Wall Thickness	Length of Extension	Length of Threaded Rod	Part No.	Description
1" through 5-1/2"	7"	9-1/2"	07095A	ABS Extension
5-1/2" through 10-1/2"	12"	14-1/2"	07095E	ABS Extension

CLOSET CARRIERS

Nipple Selection

The key to pipe chase width adaptability of the -32 Wide Chase Carriers and the component that makes them universal for all installation conditions is the 4 inch NPT nipple that connects the coupling of the carrier assembly to the adjustable fitting faceplate. This nipple is furnished by others, and the recommended length can be determined by using the chart below.

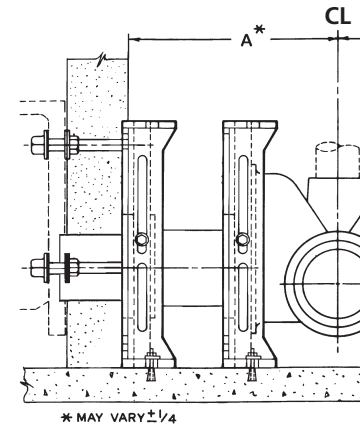
To provide proper fixture support, the carrier should be set directly behind or within the wall. To accomplish this in wide pipe chases with DWV piping either centered or offset, it is necessary to separate carrier and drainage fitting as required with nipples that are longer than 2-7/8." The minimum dimension (A*) was determined using a 2-7/8" length nipple. Nipples ranging in length from 2-7/8" to 12" in 1 inch increments are identified on this page for specification when such construction conditions are encountered.

-32 OPTION RECOMMENDED LENGTH NIPPLES (BY OTHERS)

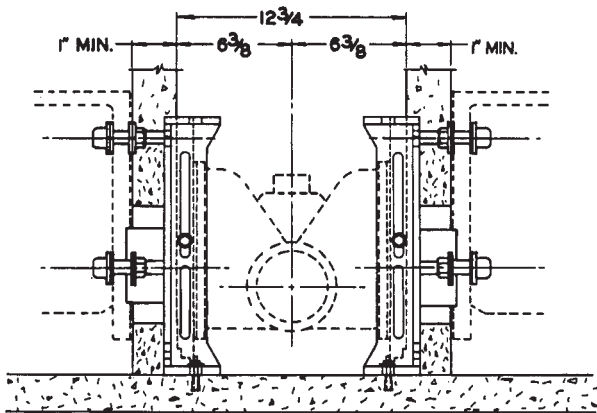
A* Minimum Chase	Length Nipple to Use
9-1/4	2-7/8
10-1/4	4
11-1/4	5
12-1/4	6
13-1/4	7
14-1/4	8
15-1/4	9
16-1/4	10
17-1/4	11
18-1/4	12

Recommended Pipe: 4" Galvanized Steel

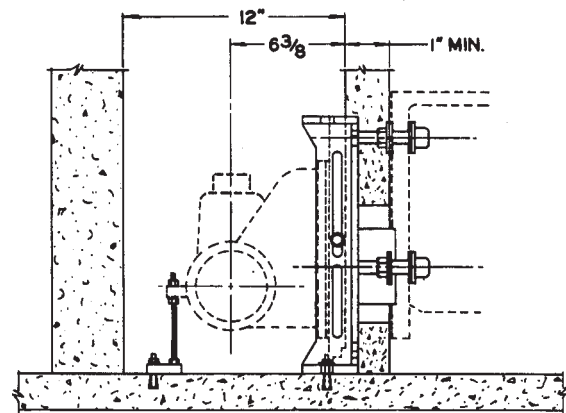
NIPPLE LENGTH DRAWING



Adjustable Carrier Installations



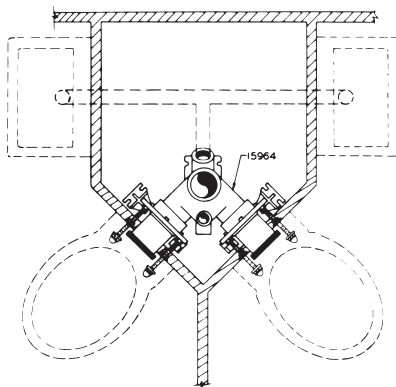
Installation of back-to-back 12000-PF Series Carrier showing minimum extension.



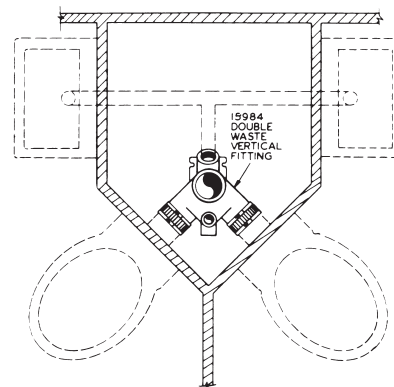
Installation of 12000-PF Series Carrier in a standard 12" wide pipe chase showing minimum extension.

Installations 90° Double Waste Fitting 15964 & 15984 Series

Installations of 15964 and 15984 Series double vertical 90° no-hub fittings where a closet and lavatory are installed in each room with one stack serving two rooms.



15964 SERIES SHOWN IN A TYPICAL ROOM BACK DISCHARGE TOILET FACILITY



15984 DOUBLE WASTE VERTICAL FITTING SHOWN INSTALLED IN A TYPICAL ROOM BOTTOM DISCHARGE TOILET FACILITY LAYOUT

CLOSET CARRIERS

Bowl To Carrier Installation

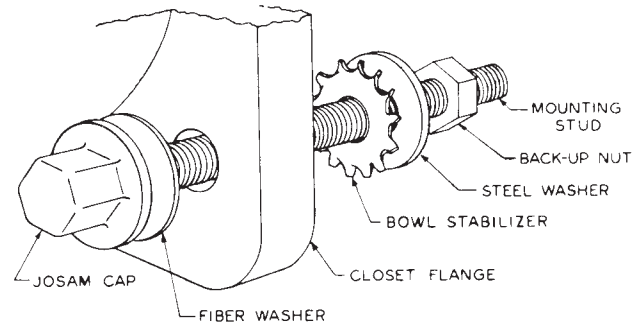
To set bowl using finished hardware group "FH," put a hex nut, back-up washer, and a bowl stabilizer on each mounting stud.

Adjust with front of back-up nut and washer at finished wall line.

If the back-up nut and washer are moved to clear irregularities in the finished wall, the extension **MUST** be adjusted an equal amount.

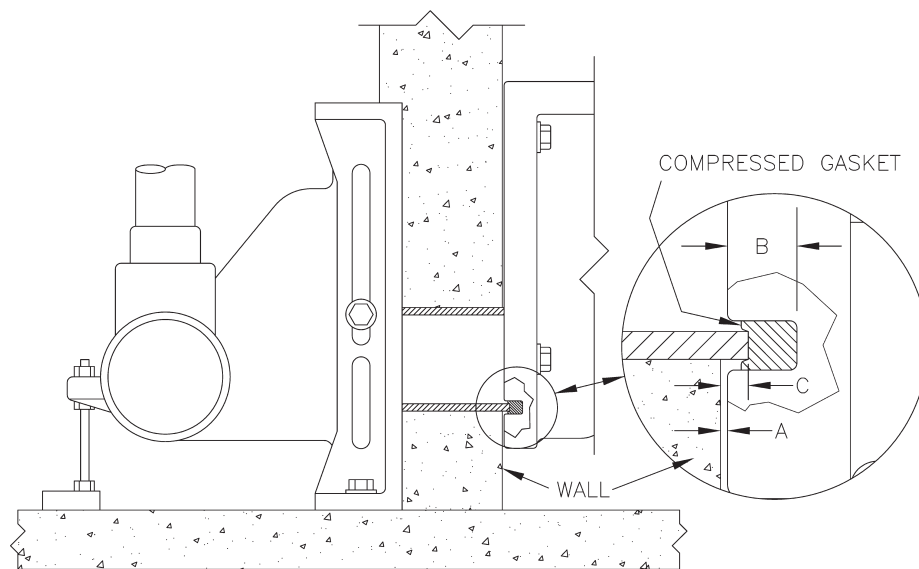
Place fixture gasket in toilet outlet and hang closet. Assemble fiber washers and JOSAM cap nuts to two studs on the center line of the closet outlet and one other stud below and tighten with a wrench.

Assemble fiber washer and JOSAM cap nut to remaining stud, hand tighten and take 1/2 turn with a wrench.



FH Hardware Part #: 565985T
Mounting Stud and Back-up Nut
not included in FH Hardware Kit.

Extension Length Determination



This is a side view. The enlarged inset shows the depth of the gasket within the groove of the fixture and the extension with proper pressure on the gasket.

When the closet is installed on the carrier, the front end of the extension must be located properly in order to compress the gasket enough so that the gasket's adhesive coated surfaces are in contact with the china and the face of the extension. This will help ensure a tight seal.

For closets which have a groove with a rectangular cross-section, Use this formula: $C = A + B - 1/2''$

Where: A = Distance from Closet to Wall
B = Depth of Groove in Closet
C = Distance Extension Extends from Wall

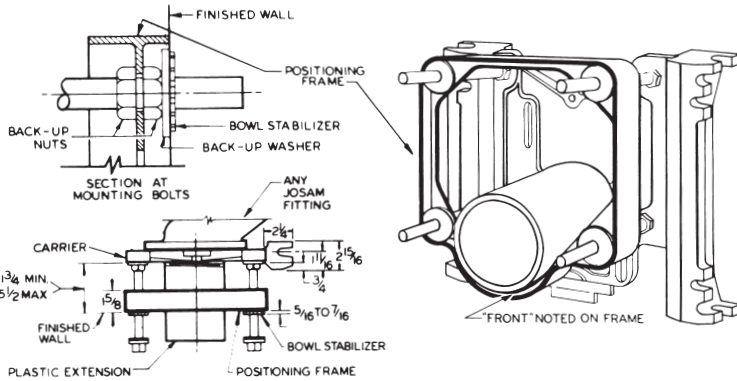
For closets which have a groove with a V-shaped cross-section:

Use the above formula, but an additional 1/8" (or more) may be added to C.

CLOSET CARRIERS

Adjustable Closet Carrier Options

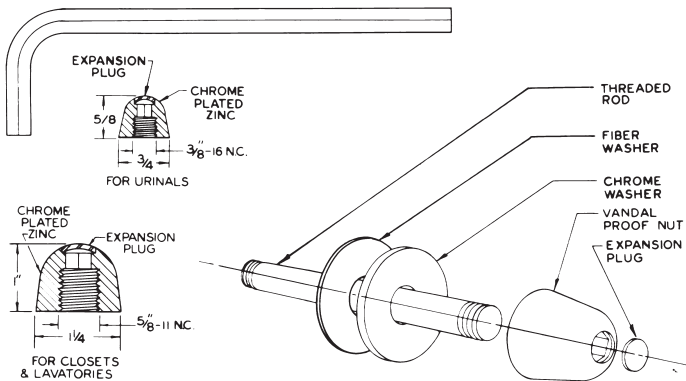
The options shown below illustrate and explain various optional carrier components. These options must be specified and installed when the type of closet or installation dictates their use.



(-1) OPTION, TRU-SET POSITIONING FRAME (Siphon Jet Closets Only)

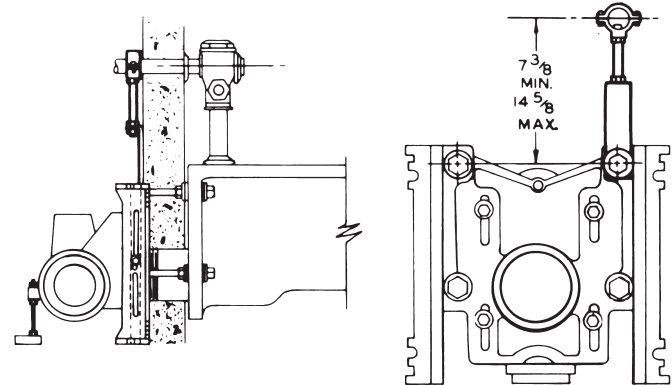
Made of high impact polystyrene, the TRU-SET Positioning Frame offers many advantages to the plumbing contractor. The positioning frame is mounted on the carrier studs at the time the carrier is being installed, thus it acts as a guide and template, eliminating problems caused by normal dimensional variations when the wall is being erected. Studs and adjustable extension are set to the frame, eliminating further adjustment when the fixture is being hung. Chances of bowl breakage are minimized since bowl is held the correct distance from finished wall.

NOTE: Sold only with JOSAM closet carriers.



(-VP) OPTION, VANDAL-PROOF TRIM

The JOSAM Vandal-Proof trim is designed to prevent tampering and possible damage to the fixture caused by vandalism. The Vandal-Proof trim can be used in place of the regular JOSAM cap nuts. Trim is installed using a hex key. After installation is complete, chrome plated expansion plugs which match the nuts, snap into place minimizing the chances of vandalism.



(-6) OPTION, SUPPLY PIPE SUPPORT

Support assembly attaches to an upper carrier mounting stud and securely holds water supply pipe running to the flush valve. This hanger prevents movement of water piping during and after construction, protecting piping as well as the flush valve. When ordering, specify type of pipe to be supported.

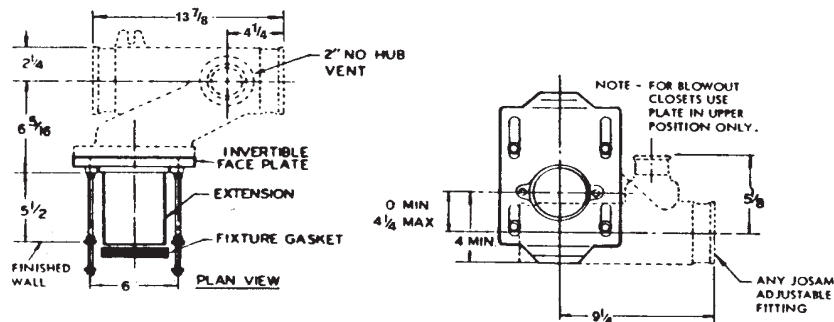


ILLUSTRATION A

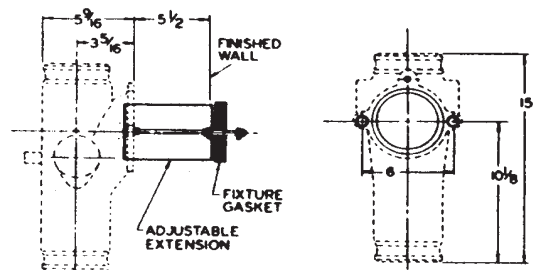


ILLUSTRATION B

(-24) OPTION, FOR FLOOR-MOUNTED BACK-OUTLET CHINA CLOSETS

This option adapts adjustable as well as other types of fittings for securing floor-mounted back-outlet China closets. Any adjustable fitting is adapted as shown in Illustration A. Other types of fittings are provided with bosses to attach the closet securing studs at the correct dimensions for this type of closet. See Illustration B.

CLOSET CARRIERS



Closet Carrier Position Chart for Wheelchair Facilities



EXPLANATION AND USE OF CHART

The chart represents solutions for nine separate applications, each line being the solution for a different application. Notice that for every application, there is a solution using only standard carriers. Use of the 12000-35 carrier can be avoided in most situations. Column 1 represents a fixture mounted on a vertical stack fitting. Columns 2 through 8 represent the locations of additional fixtures mounted on horizontal fittings. Each column is divided into three sub-columns, identified as A, B, and C. The ○, ● and ▲ symbols show the types of carriers that can be used for either normal or high rough in that particular location. Blank spaces mean that the carrier cannot be used in that location. The far right-hand column shows the slope or pitch per foot of the horizontal drain line to the stack. **Notice that lines 5 and 6 show a slope of 1/4 in. per foot.** The chart applies to either siphon jet or blowout fixtures, and should eliminate confusion about installations for the physically disabled.

CLOSET CARRIER SELECTION INSTALLATIONS FOR THE PHYSICALLY DISABLED

Based on 3 in. difference in elevation between normal and high rough fixtures,
and on 36 inches between fixtures [horizontally]. See note below.*

	STACK			HORIZONTAL CARRIER LOCATIONS																					SLOPE PER FOOT	
LINE	1			2			3			4			5			6			7			8				
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C		
1	○	●	▲																						1/8 in.	
2	○	●	▲	○		▲																			1/8 in.	
3	○	●	▲	○		▲	○		▲																1/8 in.	
4	○	●	▲	○		▲	○		▲	○		▲													1/8 in.	
5	○		▲	○		▲	○		▲		●	▲													1/4 in.	
6	○		▲	○		▲	○		▲	○		▲		●	▲										1/4 in.	
7	○		▲	○		▲	○		▲	○		▲	○		▲		●	▲							1/8 in.	
8	○		▲	○		▲	○		▲	○		▲	○		▲	○		▲		●	▲				1/8 in.	
9	○		▲	○		▲	○		▲	○		▲	○		▲	○		▲	○		▲		●	▲	1/8 in.	
<div>A = ○ = Normal rough with standard 12000 Series Carrier B = ● = High rough with standard 12000 Series Carrier C = ▲ = High rough with 12000-35 Series Carrier</div> <div>Carriers ○ and ▲ are required for back-to-back mounting when one fixture is normal rough and the other is high rough.</div>																										

EXAMPLE:

A. Requirement: Plans call for rest rooms back-to-back, each with six water closets, one of which is to be high rough.

B. Solution: Because six fixtures are involved, refer to column 6, line 7. Note that a standard 12000 Carrier [sub-column B] can be used for the high rough fixture at the upstream end of the branch. The remaining five fixtures, all at normal rough, can be mounted on standard 12000 Carriers as shown in columns 1 through 5, sub-columns A.

Note that the standard 12000 Carrier can be used in a high rough position at the stack or at the upstream end of the horizontal branch, depending on the number of closets required, as shown in sub-columns B. Either of these locations is preferred for the high rough water closet. **Thus, for most installations, the standard 12000 Carrier is suitable.** However, if the high rough water closet cannot be so located, the 12000-35 high rough Carrier can be used in almost any location, depending on the number of closets required. In this case it may be necessary to increase the horizontal spacing between locations to some distance greater than 36 inches. If so, the above chart is no longer applicable. Furthermore, whenever the fixture arrangement for back-to-back water closets requires high rough on one side and normal rough on the other side, the 12000-35 Carrier must be used on the high rough side.

For unusual requirements not covered by this chart, we suggest you contact your JOSAM Representative.

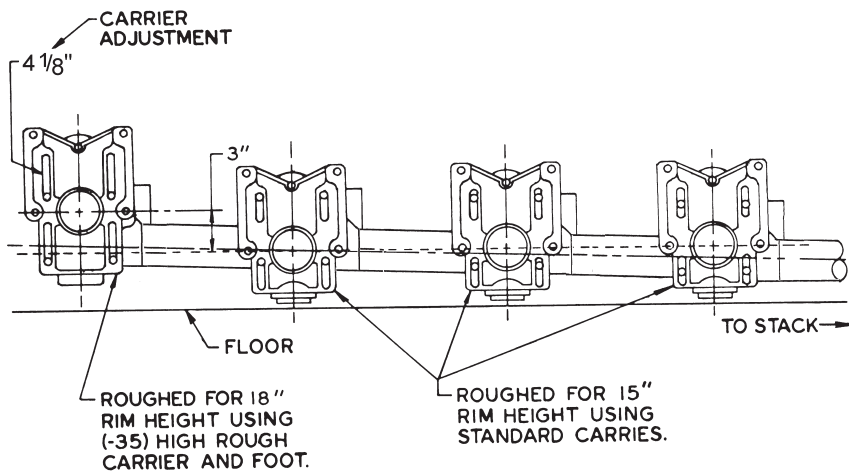
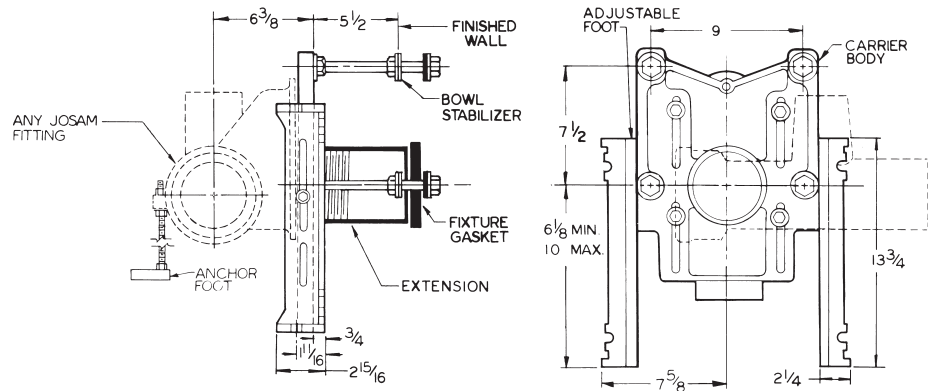
*NOTE: Even though specific construction requirements for the physically disabled may vary from one jurisdiction to another, those specified in American National Standard ANSI A117.1-1980 are generally accepted. In this standard, Section 4, Paragraph 4.16.3 states that the height of water closets shall be 17 to 19 in. to the top of the seat. This confirms the water closet rim height of 18 in. for the physically disabled, previously established in ANSI A112.19.2, which is a standard for vitreous China plumbing fixtures. In compliance with these standards, the above selection chart has been developed using a 3 in. difference in elevation between normal rough fixtures [15 in. rim height] and high rough fixtures [18 in. rim height].

CLOSET CARRIERS

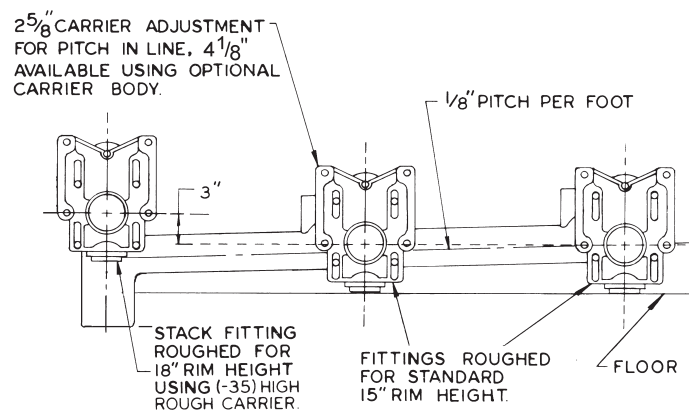
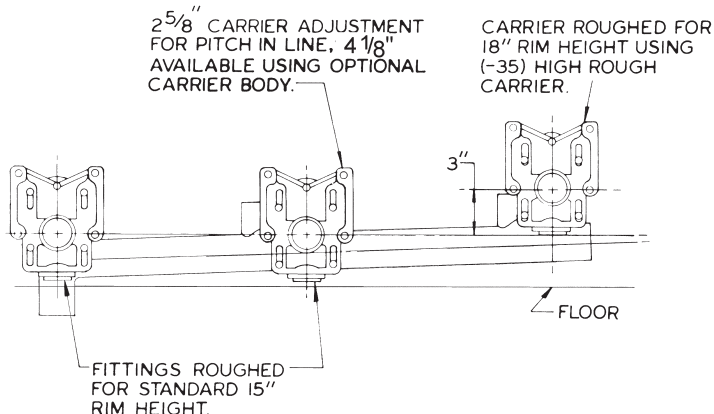
Wheelchair Closet Carrier Installations

Accommodations for the physically disabled who depend on wheelchairs for mobility are of prime importance and should be included in any building where public toilet facilities are provided. Off-the-floor water closets are ideally suited for wheelchair use. In addition to the sanitation benefits, the elevation is not fixed as it is with the floor-mounted closets. By utilizing the JOSAM line of carriers and fittings, the wheelchair closet can be located anywhere in a battery. See Carrier Selection Chart. The illustrations below show the wheelchair closet in various locations.

(-35) Option Carrier can be used with all adjustable fittings. When used with blowout closets over 12 1/2", specify -M1358.



To the left is a possible installation utilizing the -35 Option at the end of a battery of standard rough carriers.



The above shows an installation utilizing a JOSAM vertical fitting and carrier and a horizontal waste line with fittings and carriers. The horizontal fitting and carrier on the end show the (-35) high rough for wheelchair use.

The above shows an installation utilizing a standard JOSAM stack fitting with the carrier on this fitting roughed for wheelchair use. With this installation one to three horizontal fittings can be connected to the stack fitting.

11001 SERIES

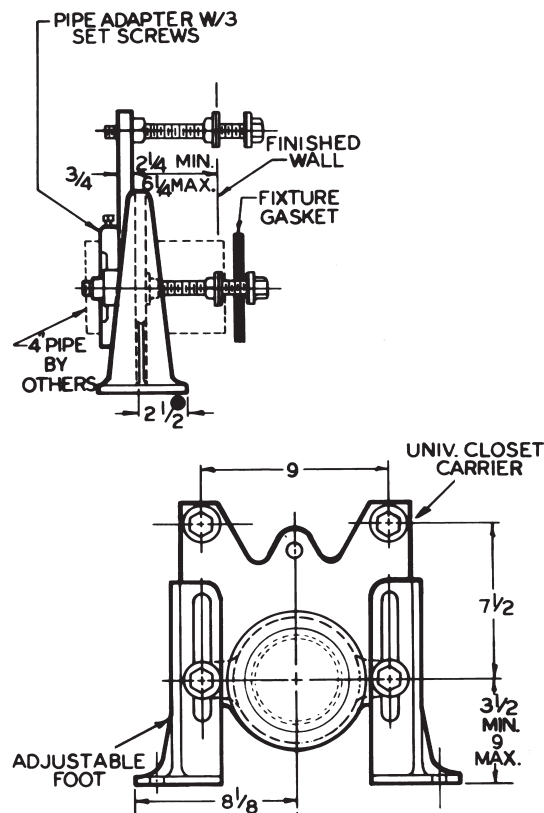
CARRIER WITH PIPE ADAPTER

APPLICATION

For wall-hung water closets where carrier fitting is not required.

SPECIFICATION

JOSAM 11001 Series coated cast iron universal pipe grip Closet Carrier with 4" pipe adapter, adjustable feet and finish hardware and trim to support siphon jet or blow-out wall-hung water closet. Waste piping and fitting provided by others.



38 LBS.

11007 & 11008 SERIES

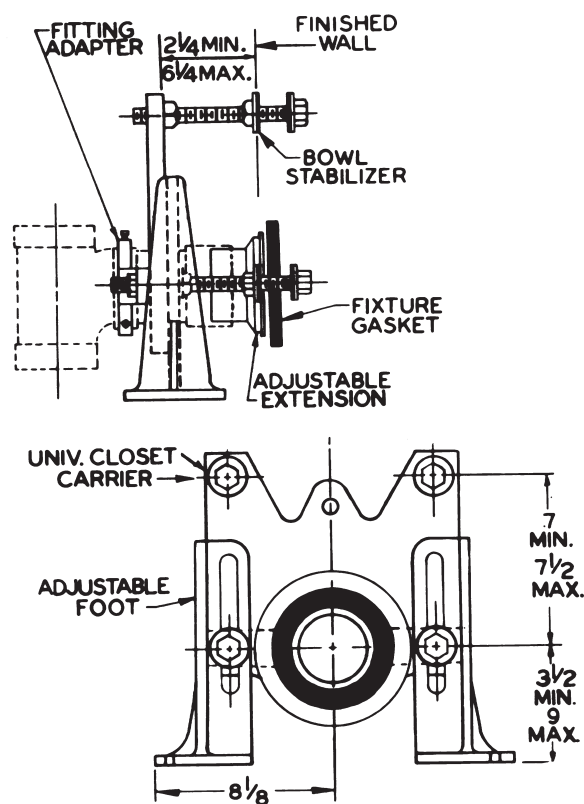
CARRIER WITH COPPER PIPE ADAPTOR

APPLICATION

For wall-hung water closets where carrier fitting is not required.

SPECIFICATION

JOSAM 11007 and 11008 Series coated cast iron universal pipe grip Closet Carrier with 3" or 4" copper pipe adapter, adjustable feet and finish hardware and trim to support siphon jet or blow-out wall-hung water closet. Waste piping and fitting provided by others.



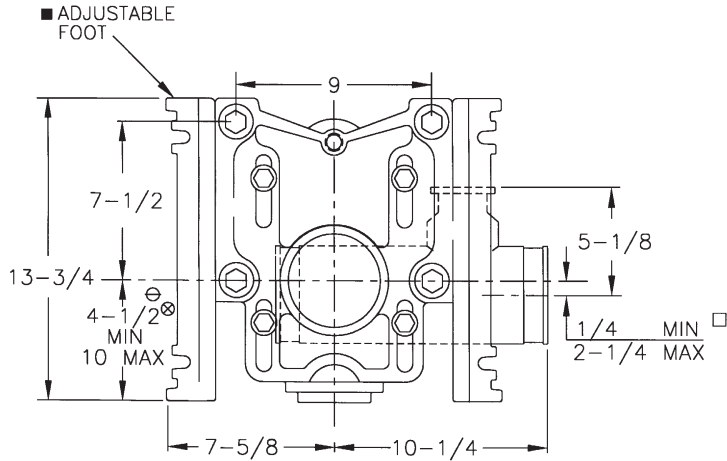
38 LBS.

HORIZONTAL 4" NO-HUB, ADJUSTABLE, SINGLE

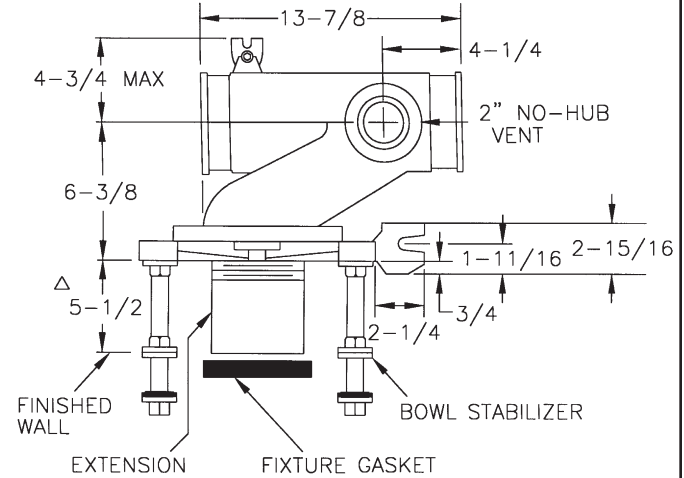
12674 & 12684

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where single adjustable fitting with horizontal flow is desired.

12674 Left-Hand (Shown)
12684 Right-Hand (Opposite)



60 LBS.

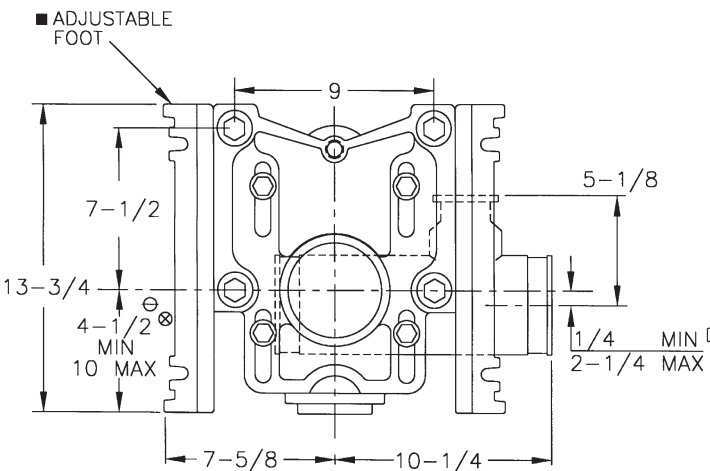


HORIZONTAL 4" NO-HUB, ADJUSTABLE, BACK-TO-BACK

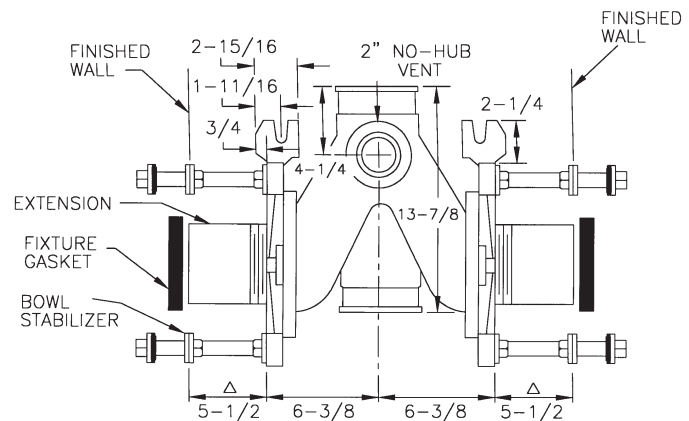
12694

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where back-to-back adjustable fitting with horizontal flow is desired.

Back-to-Back



100 LBS.



OPTIONS & NOTES

- | | | | |
|-------|--|-------|--|
| -PF | Pylon Foot, Std. | -10 | ABS Extension, through 10-1/2" Wall |
| -OR | O-Ring Carrier | -24 | Carrier for Floor-Mounted, Back-Outlet China Bowls |
| -SD | Special-Duty 500 lb. Carrier | -30 | Cast Iron Adjustable Extension with Connector |
| ▼ -HS | Hub & Spigot | -30-2 | Cast Iron Adjustable Extension with Connector and Test Cap |
| -AUX | Auxiliary Inlet, 2" | -32 | Carrier for Wide Chase Installations |
| -VP | Vandal-Proof Trim | -35 | Closet Carrier for Wheelchair High Rough |
| -1 | Positioning Frame | ▼ -58 | Horizontal No-Hub Cast Long Barrel |
| -6 | Supply Pipe Support (Specify Type of Pipe) | | |

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

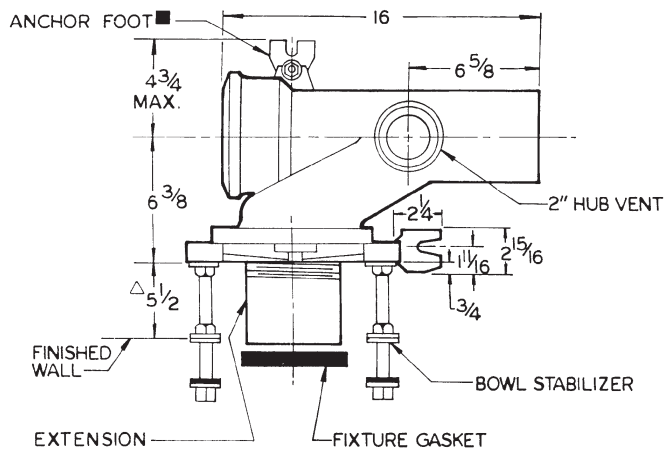
DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: ⊕ 11" MIN. & 16-1/2" MAX. □ 2" MIN. & 4" MAX.

⊗ FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

12674-HS SERIES

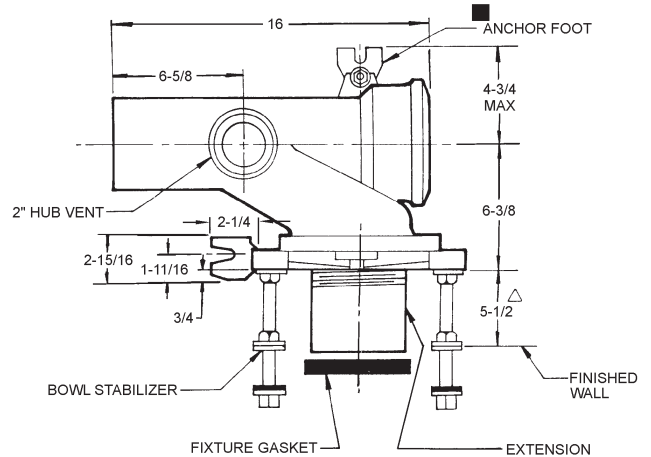
Single, Left-Hand, Hub & Spigot



65 LBS.

12684-HS SERIES

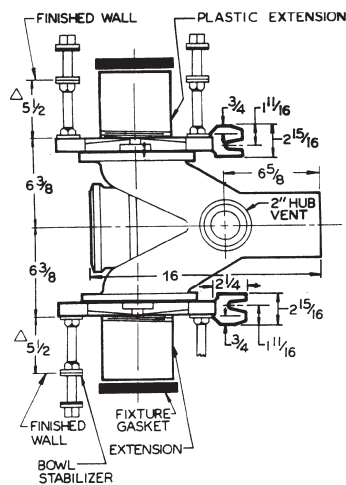
Single, Right-Hand, Hub & Spigot



65 LBS.

12694-HS SERIES

Back-to-Back, Hub & Spigot

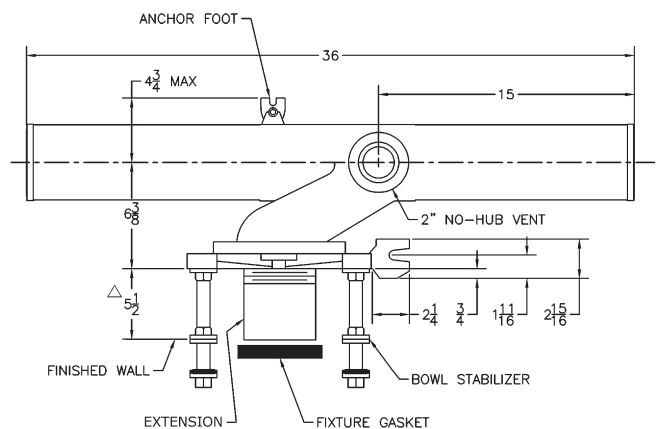


112 LBS.

12674-58 SERIES

Long Barrel

Single, Left-Hand, No-Hub

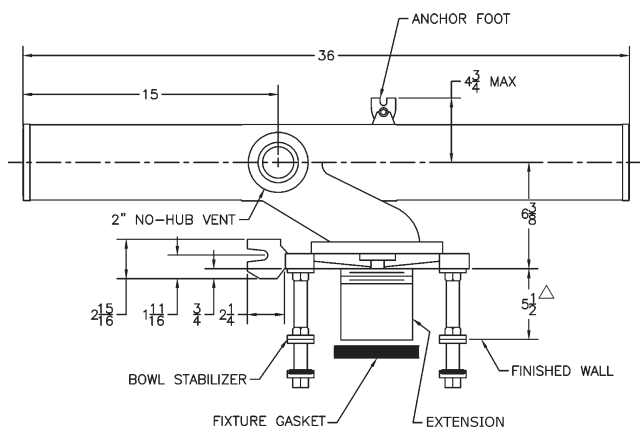


82 LBS.

12684-58 SERIES

Long Barrel

Single, Right-Hand, No-Hub

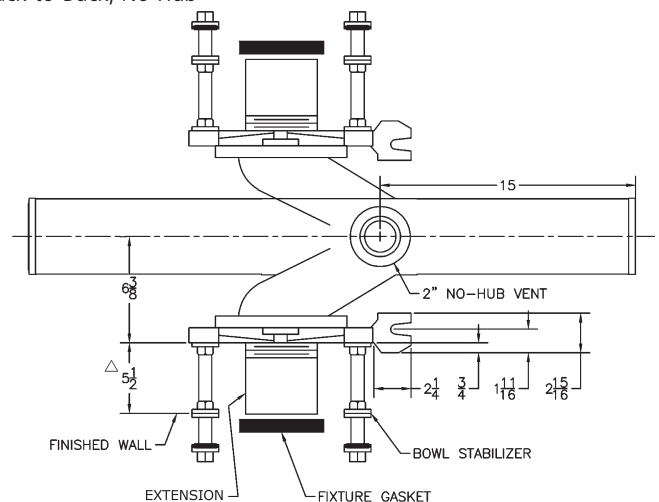


82 LBS.

12694-58 SERIES

Long Barrel

Back-to-Back, No-Hub



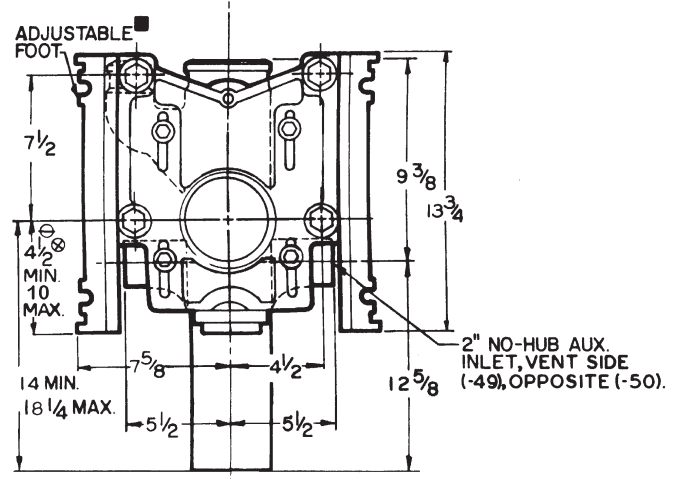
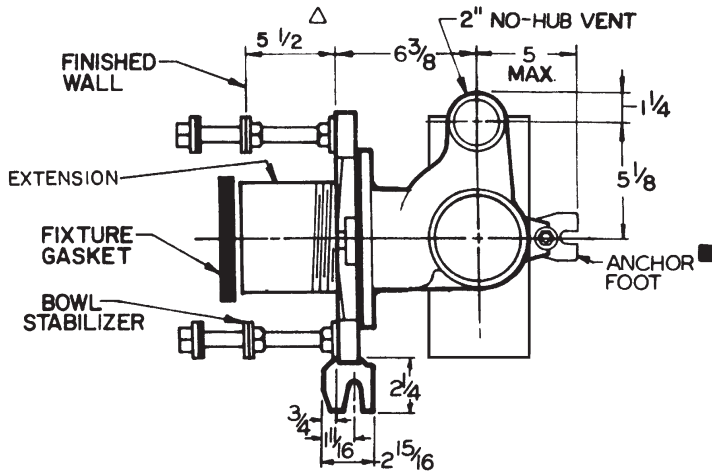
125 LBS.

VERTICAL 4" NO-HUB, ADJUSTABLE, SINGLE

12704

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where back-to-back adjustable fitting with vertical flow is desired.

Single Fitting, On Stack, Left-Hand 2" Vent



72 LBS.

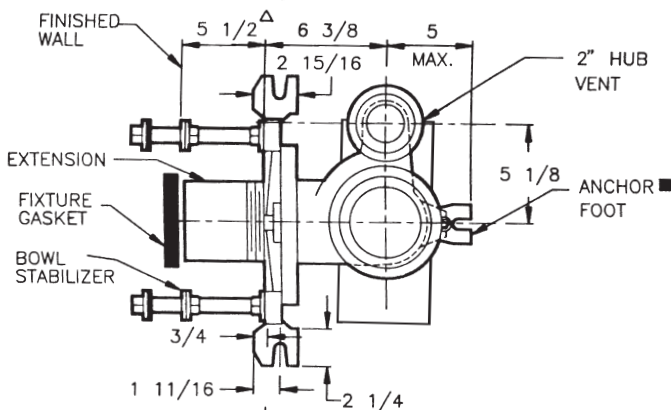
OPTIONS N/A: -LH4, -RH4, -D4

OPTIONS

- | | | | |
|---------|------------------------------|-------|--|
| -PF | Pylon Foot, Std. | -6 | Supply Pipe Support (Specify Type of Pipe) |
| -OR | O-Ring Carrier | -10 | ABS Extension, through 10-1/2" Wall |
| -SD | Special-Duty 500 lb. Carrier | -24 | Carrier for Floor-Mounted, Back-Outlet China Bowls |
| ▼ -HS | Hub & Spigot | -30 | Cast Iron Adjustable Extension with Connector |
| ▼ -LH4 | Left-Hand 4" No-Hub Branch | -30-2 | Cast Iron Adjustable Extension with Connector and Test Cap |
| ▼ -HLH4 | Left-Hand 4" Hub Branch | -32 | Carrier for Wide Chase Installations |
| ▼ -RH4 | Right-Hand 4" No-Hub Branch | -35 | Closet Carrier for Wheelchair High Rough |
| ▼ -HRH4 | Right-Hand 4" Hub Branch | -49 | No-Hub High Auxiliary Inlet, Under Vent |
| ▼ -D4 | Double 4" No-Hub Branches | -50 | No-Hub High Auxiliary Inlet, Opposite Vent |
| ▼ -HD4 | Double 4" Hub Branches | -53 | Threaded High Auxiliary Inlet, Under Vent |
| -VP | Vandal-Proof Trim | -54 | Threaded High Auxiliary Inlet, Opposite Vent |
| -1 | Positioning Frame | | |

12704-HS SERIES

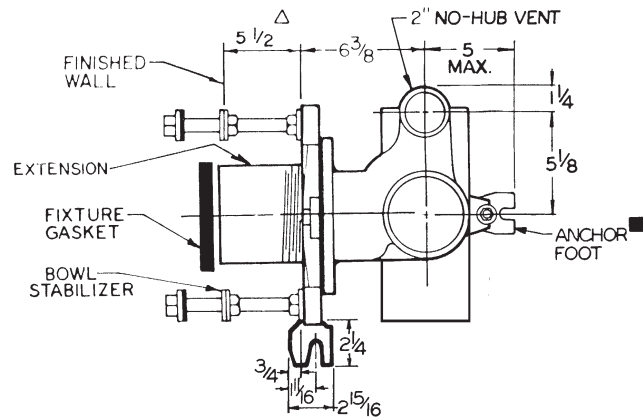
Single, Left-Hand 2" Vent, Hub & Spigot



83 LBS.

12704-LH4 SERIES

Single, Left-Hand 4" Branch, Left-Hand 2" Vent



71 LBS.

OPTIONS N/A: -49, -53

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

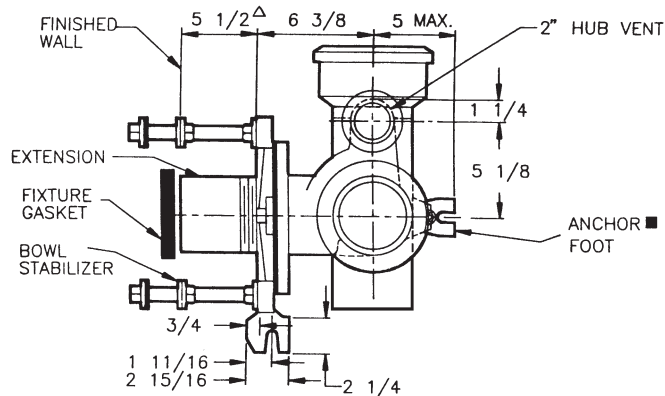
DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: ⌀ 11" MIN. & 16-1/2" MAX.

⊗ FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

12704-HS-HLH4 SERIES

Single, Left-Hand Branch, Left-Hand 2" Vent

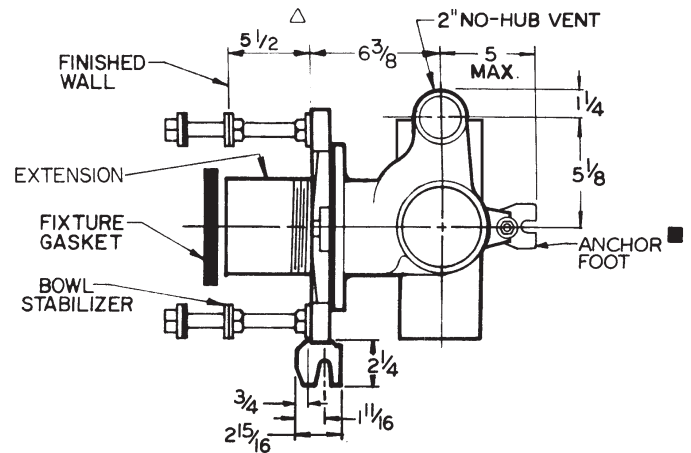


84 LBS.

OPTIONS N/A: -49, -53

12704-RH4 SERIES

Single, Right-Hand 4" Branch, Left-Hand 2" Vent

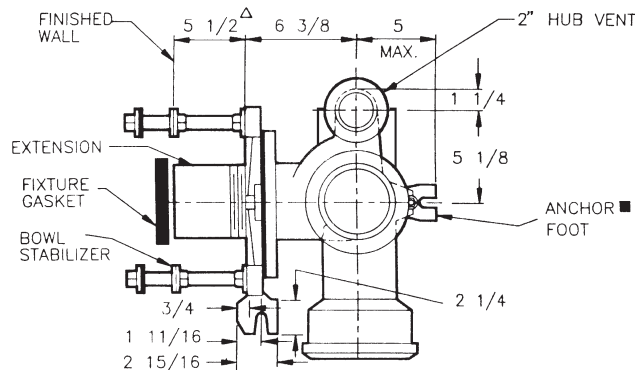


71 LBS.

OPTIONS N/A: -50, -54

12704-HS-HRH4 SERIES

Single, Right-Hand Branch, Left-Hand 2" Vent

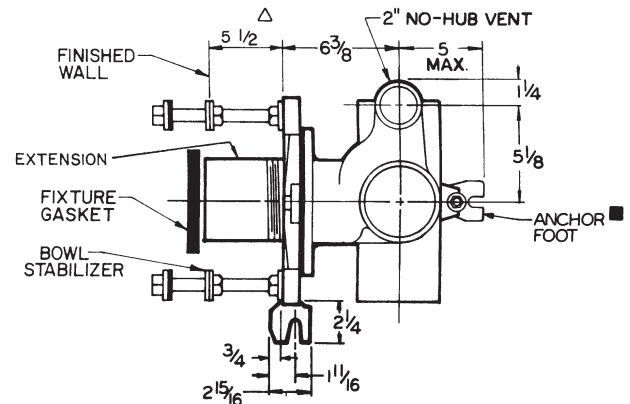


84 LBS.

OPTIONS N/A: -50, -54

12704-D4 SERIES

Single, Two 4" Branches, Left-Hand 2" Vent

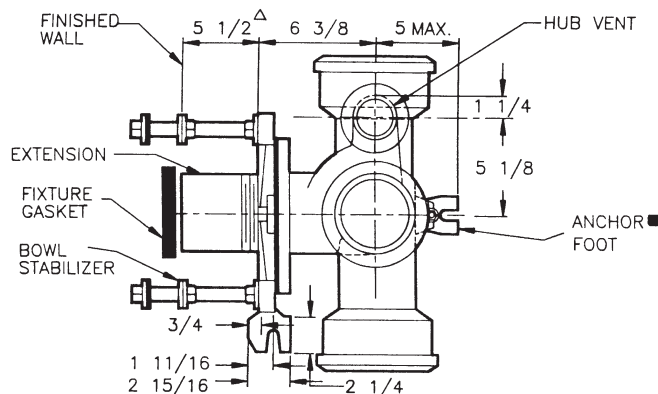


70 LBS.

OPTIONS N/A: -49, -50, -53, -54

12704-HS-HD4 SERIES

Single, Two 4" Branches, Left-Hand 2" Vent



86 LBS.

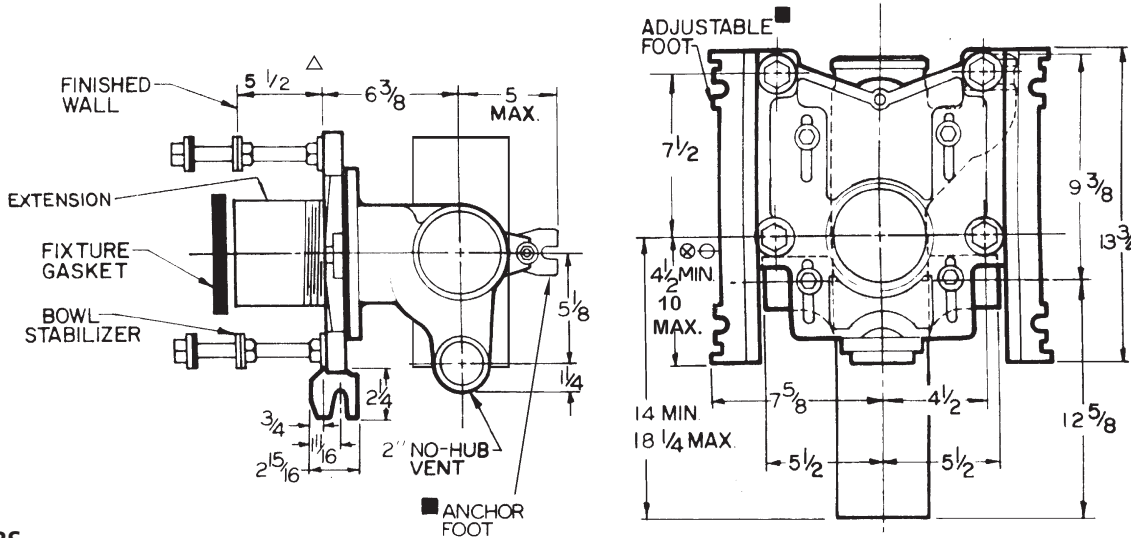
OPTIONS N/A: -49, -50, -53, -54

VERTICAL 4" NO-HUB, ADJUSTABLE, SINGLE

12714

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where single adjustable fitting with vertical flow is desired.

Single Fitting, On Stack, Right-Hand 2" Vent



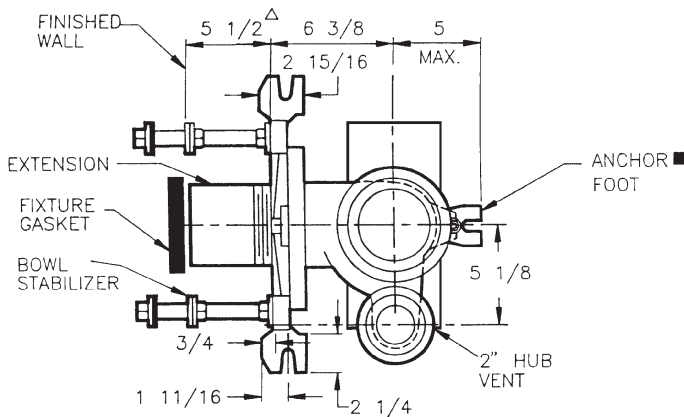
72 LBS.

OPTIONS

- | | | | |
|---------|------------------------------|-------|--|
| -PF | Pylon Foot, Std. | -6 | Supply Pipe Support (Specify Type of Pipe) |
| -OR | O-Ring Carrier | -10 | ABS Extension, through 10-1/2" Wall |
| -SD | Special-Duty 500 lb. Carrier | -24 | Carrier for Floor-Mounted, Back-Outlet China Bowls |
| ▼ -HS | Hub & Spigot | -30 | Cast Iron Adjustable Extension with Connector |
| ▼ -LH4 | Left-Hand 4" No-Hub Branch | -30-2 | Cast Iron Adjustable Extension with Connector and Test Cap |
| ▼ -HLH4 | Left-Hand 4" Hub Branch | -32 | Carrier for Wide Chase Installations |
| ▼ -RH4 | Right-Hand 4" No-Hub Branch | -35 | Closet Carrier for Wheelchair High Rough |
| ▼ -HRH4 | Right-Hand 4" Hub Branch | -49 | No-Hub High Auxiliary Inlet, Under Vent |
| ▼ -D4 | Double 4" No-Hub Branches | -50 | No-Hub High Auxiliary Inlet, Opposite Vent |
| ▼ -HD4 | Double 4" Hub Branches | -53 | Threaded High Auxiliary Inlet, Under Vent |
| -VP | Vandal-Proof Trim | -54 | Threaded High Auxiliary Inlet, Opposite Vent |
| -1 | Positioning Frame | | |

12714-HS SERIES

Single, Right-Hand 2" Vent, Hub & Spigot

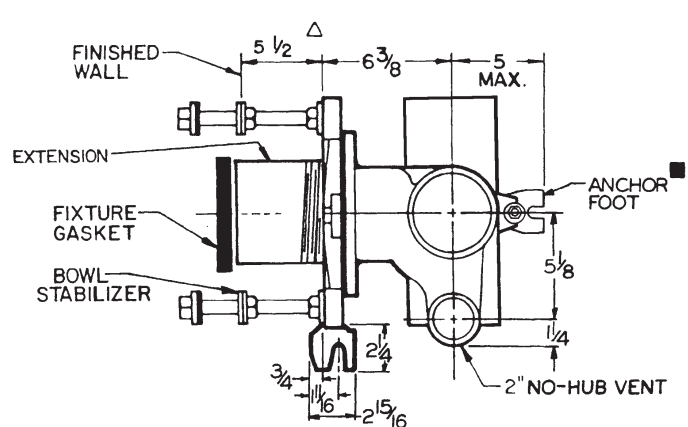


83 LBS.

OPTIONS N/A: -LH4, -RH4, D4

12714-RH4 SERIES

Single, Right-Hand 4" Branch, Right-Hand 2" Vent



71 LBS.

OPTIONS N/A: -49, -53

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

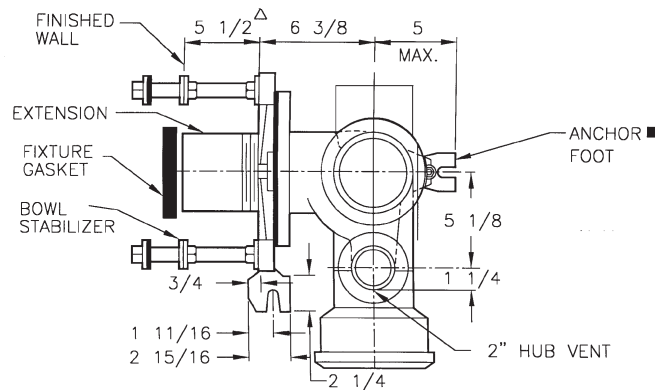
DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: ⊕ 11" MIN. & 16-1/2" MAX.

⊗ FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

12714-HS-HRH4 SERIES

Single, Right-Hand Branch, Right-Hand 2" Vent

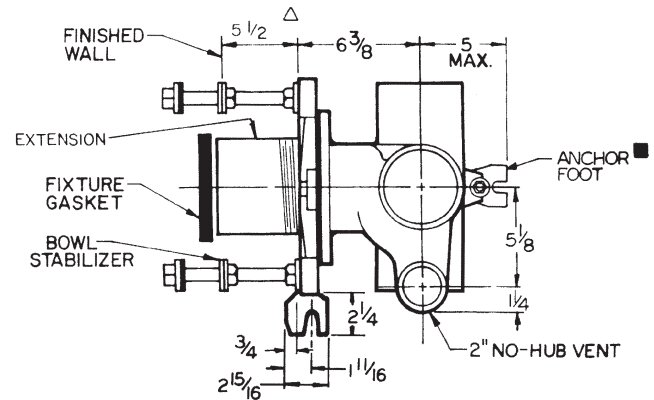


84 LBS.

OPTIONS N/A: -49, -53

12714-LH4 SERIES

Single, Left-Hand 4" Branch, Right-Hand 2" Vent

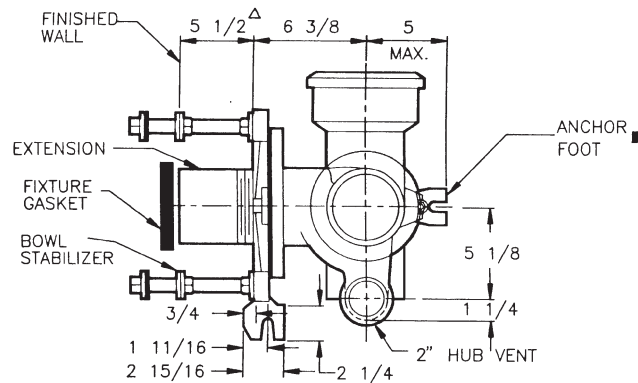


71 LBS.

OPTIONS N/A: -50, -54

12714-HS-HLH4 SERIES

Single, Left-Hand Branch, Right-Hand 2" Vent

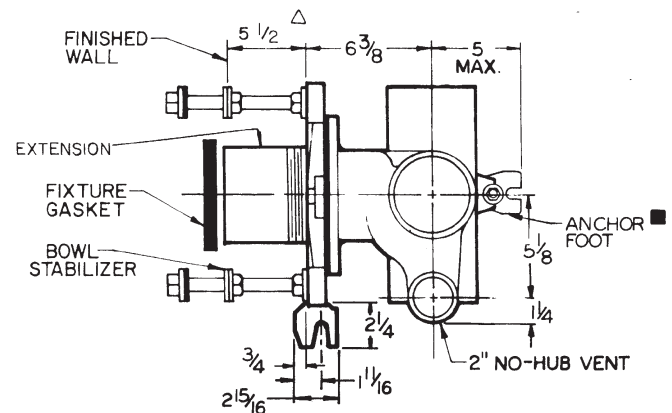


84 LBS.

OPTIONS N/A: -50, -54

12714-D4 SERIES

Single, Two 4" Branches, Right-Hand 2" Vent

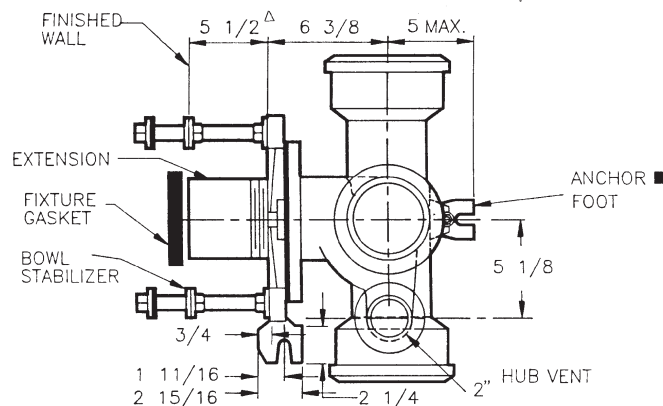


70 LBS.

OPTIONS N/A: -49, -50, -53, -54

12714-HS-HD4 SERIES

Single, Two 4" Branches, Right-Hand 2" Vent



86 LBS.

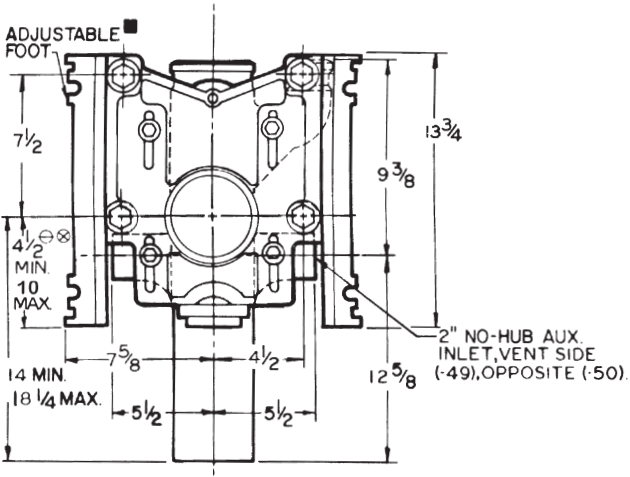
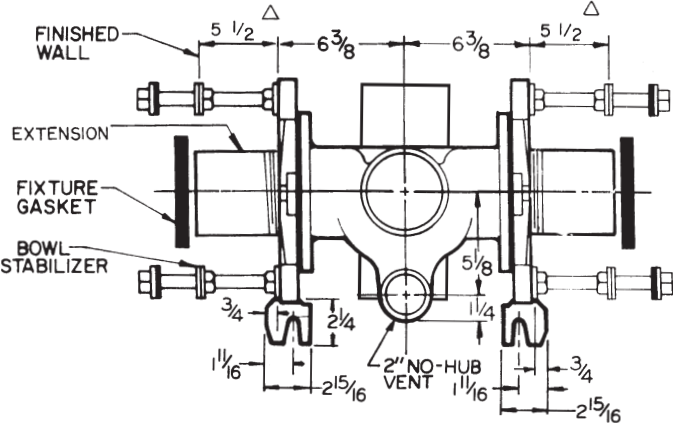
OPTIONS N/A: -49, -50, -53, -54

VERTICAL 4" NO-HUB, ADJUSTABLE, BACK-TO-BACK

12724

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where back-to-back adjustable fitting with vertical flow is desired.

Back-to-Back Fitting, On Stack, 2" Vent



117 LBS.

OPTIONS N/A: -HD4, -HVS4.

OPTIONS & NOTES

- | | | | |
|---------|--------------------------------|-------|--|
| –PF | Pylon Foot, Std. | –6 | Supply Pipe Support (Specify Type of Pipe) |
| –OR | O-Ring Carrier | –10 | ABS Extension, through 10-1/2" Wall |
| –SD | Special-Duty 500 lb. Carrier | –24 | Carrier for Floor-Mounted, Back-Outlet China Bowls |
| ▼ –HS | Hub & Spigot | –30 | Cast Iron Adjustable Extension with Connector |
| ▼ –D4 | Double 4" No-Hub Branches | –30–2 | Cast Iron Adjustable Extension with Connector and Test Cap |
| ▼ –HD4 | Double 4" Hub Branches | –32 | Carrier for Wide Chase Installations |
| ▼ –VS4 | Vent Side 4" No-Hub Branch | –35 | Closet Carrier for Wheelchair High Rough |
| ▼ –OS4 | Opposite Vent 4" No-Hub Branch | –49 | No-Hub High Auxiliary Inlet, Under Vent |
| ▼ –HVS4 | Vent Side 4" Hub Branch | –50 | No-Hub High Auxiliary Inlet, Opposite Vent |
| –VP | Vandal-Proof Trim | –53 | Threaded High Auxiliary Inlet, Under Vent |
| –1 | Positioning Frame | –54 | Threaded High Auxiliary Inlet, Opposite Vent |

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

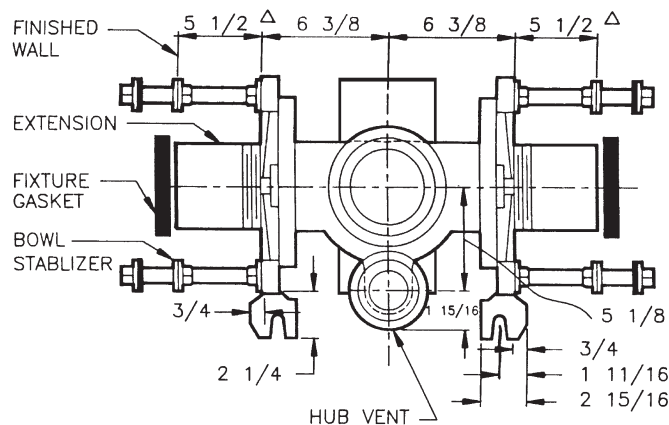
DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: ⊕ 11" MIN. & 16-1/2" MAX.

⊗ FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY –10 FOR LONGER EXT. (10-1/2" MAX.)

12724-HS SERIES

Back-to-Back, 2" Vent

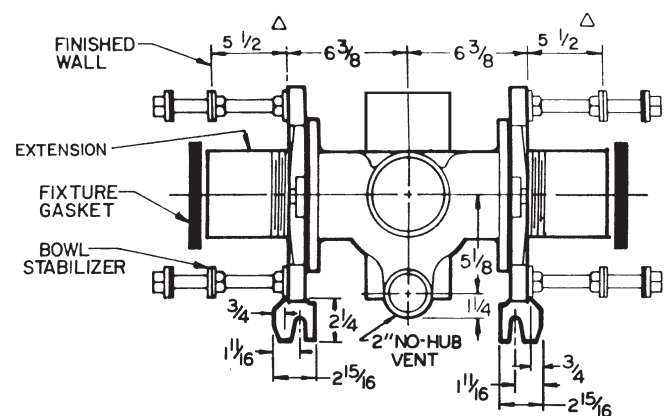


129 LBS.

OPTIONS N/A: -D4, -VS4, -OS4

12724-VS4 SERIES

Back-to-Back, 4" Branch, 2" Vent Same Side

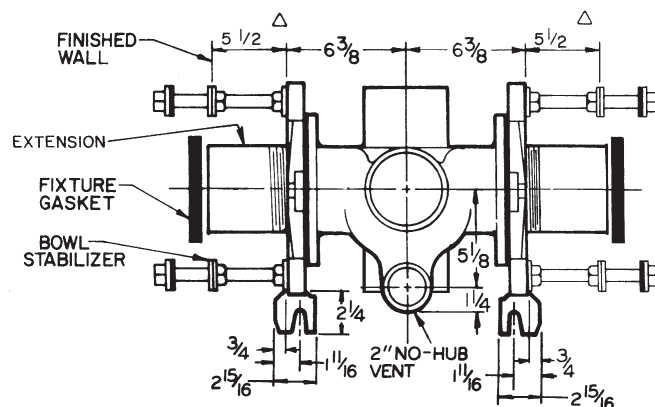


116 LBS.

OPTIONS N/A: -49, -53

12724-OS4 SERIES

Back-to-Back, 4" Branch, 2" Vent Opposite Side

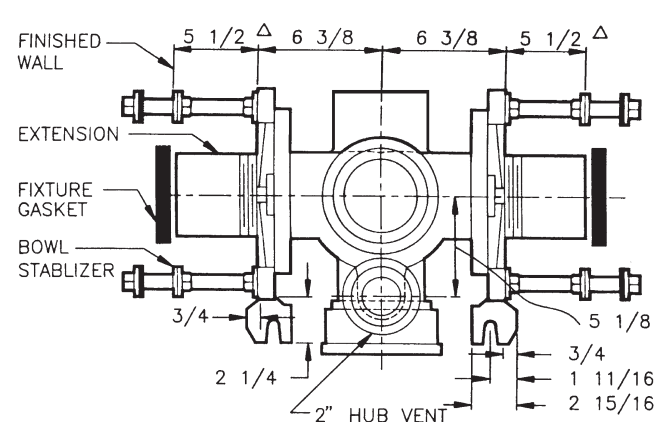


116 LBS.

OPTIONS N/A: -50, -54

12724-HS-HVS4 SERIES

Back-to-Back, Single Branch, 2" Vent

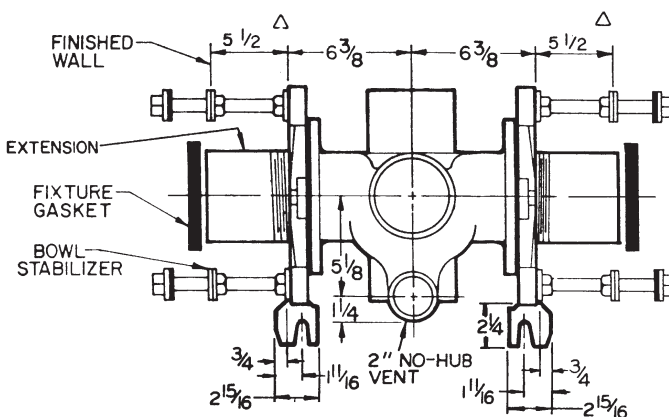


118 LBS.

OPTIONS N/A: -49, -53

12724-D4 SERIES

Back-to-Back, Two 4" Branches, 2" Vent

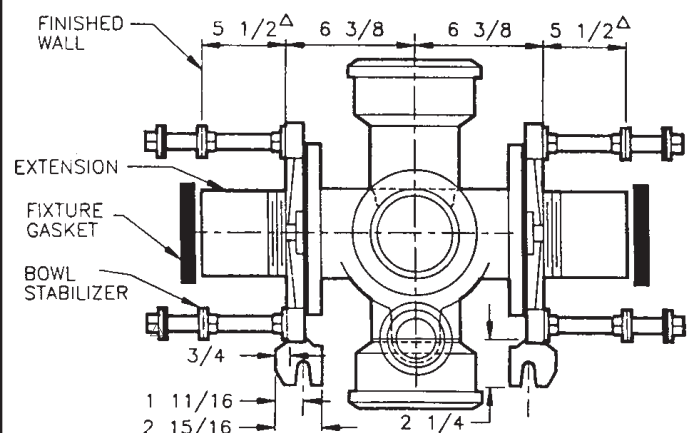


115 LBS.

OPTIONS N/A: -49, -50, -53, -54

12724-HS-HD4 SERIES

Back-to-Back, Two 4" Branches, 2" Vent



131 LBS.

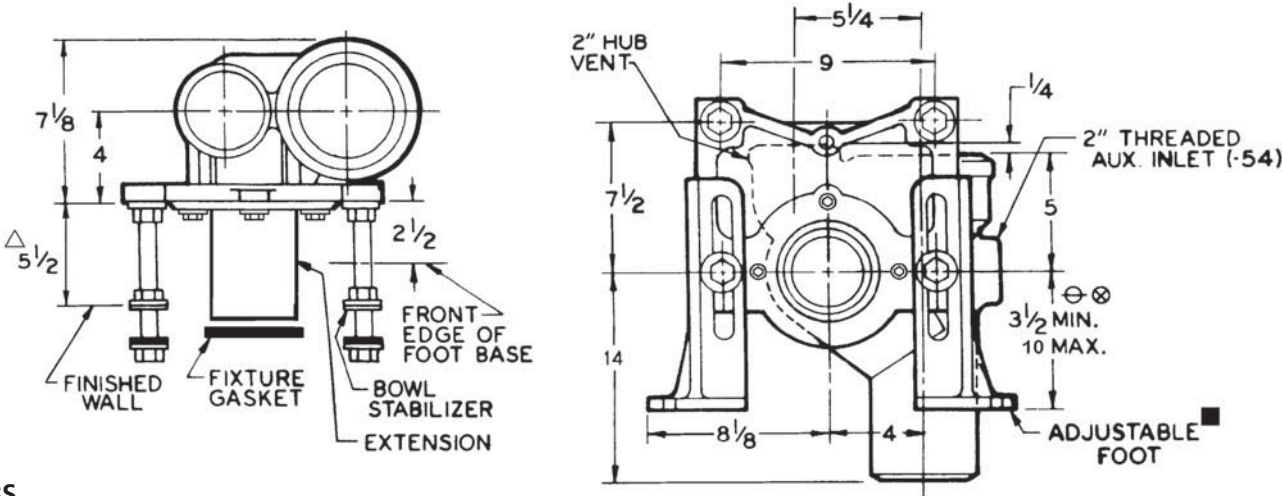
OPTIONS N/A: -49, -50, -53, -54

△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

VERTICAL 4" HUB & SPIGOT, CLOSE, SINGLE

14004 & 14024	APPLICATION: For use with Siphon Jet or Blowout Closets in Hub and Spigot piping systems where single compact offset fitting with vertical flow is desired.
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14004 Single Fitting, Left-Hand Offset, Left-Hand 2" Vent (Shown)
14024 Single Fitting, Right-Hand Offset, Right-Hand 2" Vent (Opposite)

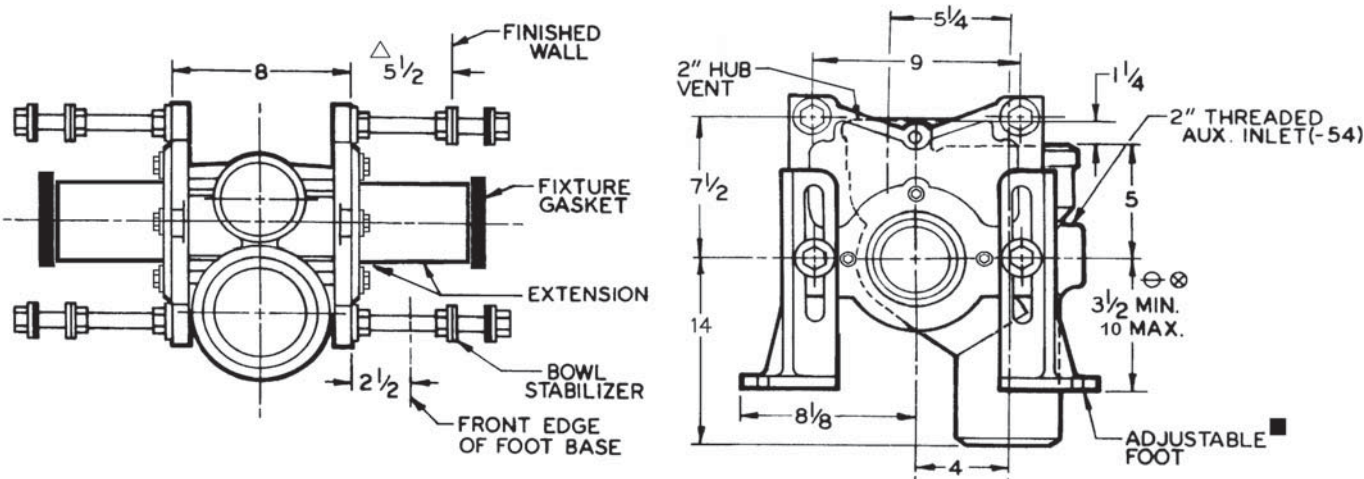


70 LBS.

VERTICAL 4" HUB & SPIGOT, CLOSE, BACK-TO-BACK

14044	APPLICATION: For use with Siphon Jet or Blowout Closets in Hub and Spigot piping systems where back-to-back compact offset fitting with vertical flow is desired.
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Back-to-Back Fitting, Offset, 2" Vent



120 LBS.

OPTIONS & NOTES

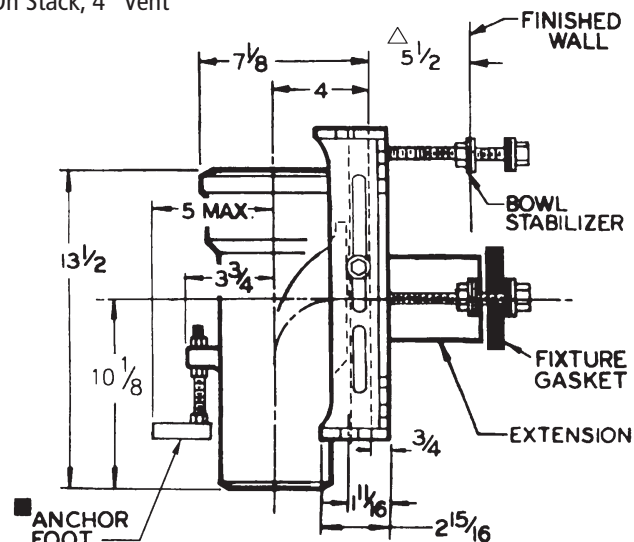
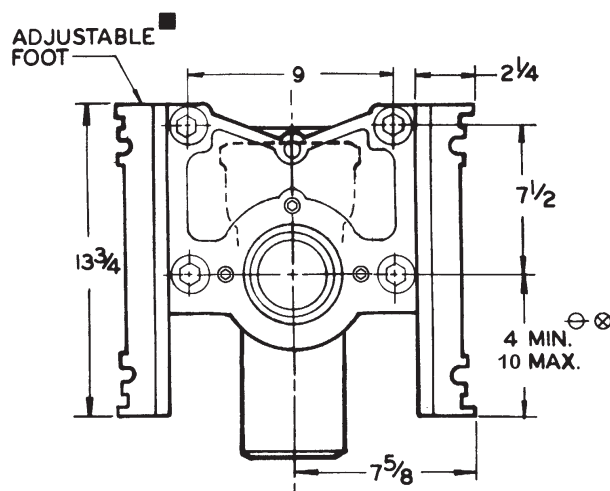
- VP Vandal-Proof Trim
- 1 Positioning Frame
- 6 Supply Pipe Support (Specify Type of Pipe)
- 21 Hanger Type Closet Adapter
- 54 Threaded Auxiliary Inlet, Opposite Vent

VERTICAL 4" HUB & SPIGOT, CLOSE, SINGLE

14064

APPLICATION: For use with Siphon Jet or Blowout Closets in Hub and Spigot piping systems where single compact on-stack fitting with 4" vent and vertical flow is desired.

Single Fitting, On Stack, 4" Vent



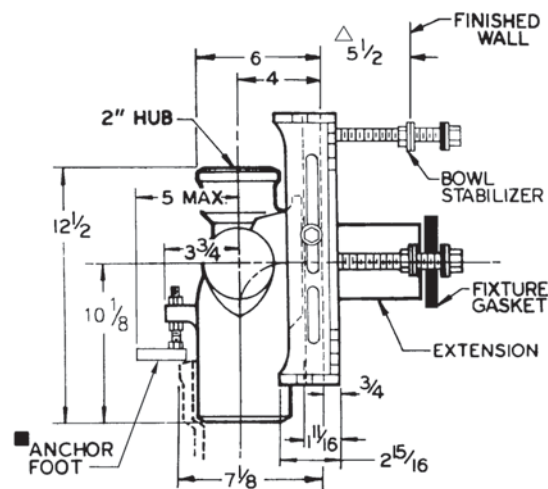
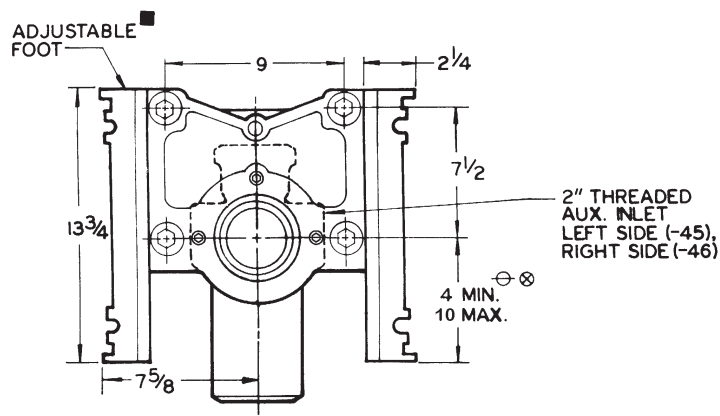
63 LBS.

VERTICAL 4" HUB & SPIGOT, CLOSE, SINGLE

14104

APPLICATION: For use with Siphon Jet or Blowout Closets in Hub and Spigot piping systems where single compact on-stack fitting with 2" vent and vertical flow is desired.

Single Fitting, On Stack, 2" Vent



60 LBS.

OPTIONS & NOTES

- SD Special Duty 500 lb. Carrier
- VP Vandal-Proof Trim
- 1 Positioning Frame
- 6 Supply Pipe Support (Specify Type of Pipe)
- 45 Threaded Left-Hand Auxiliary Inlet
- 46 Threaded Right-Hand Auxiliary Inlet

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: ⊗ 11" MIN. & 16-1/2" MAX.

⊗ FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

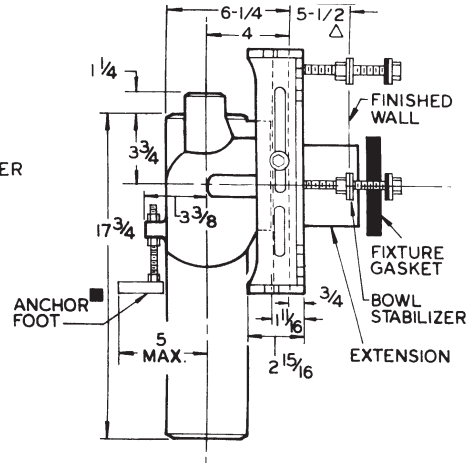
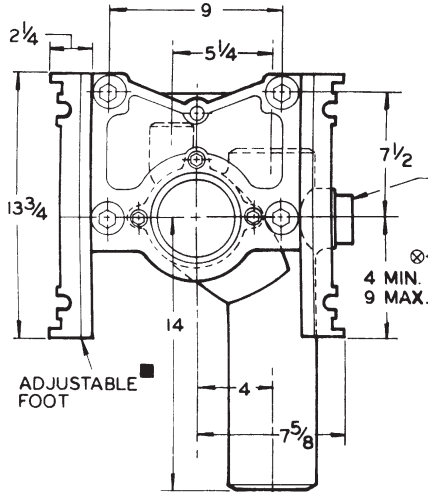
△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT.

VERTICAL 4" NO-HUB, CLOSE, SINGLE

14404 & 14424

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where single compact offset fitting with 2" auxiliary inlet vertical flow is desired.

14404 Single Fitting, Left-Hand Offset, Left-Hand 2" Vent (Shown)
14424 Single Fitting, Right-Hand Offset, Right-Hand 2" Vent (Opposite)



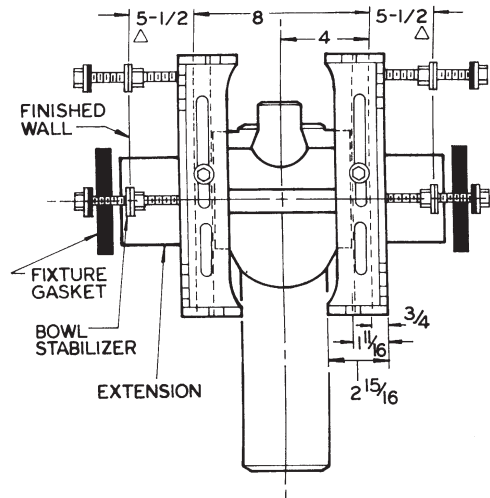
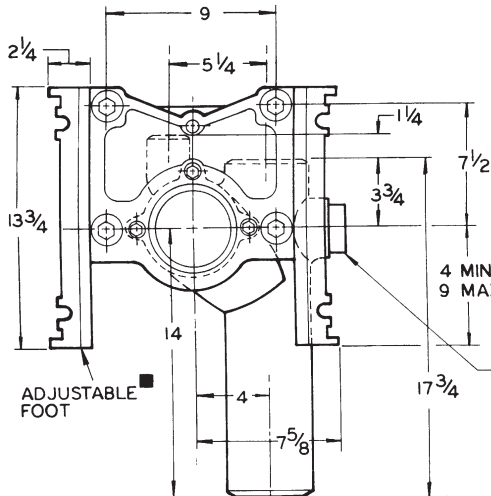
60 LBS.

VERTICAL 4" NO-HUB, CLOSE, BACK-TO-BACK

14444

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where back-to-back compact offset fitting with 2" auxiliary inlet vertical flow is desired.

Back-to-Back Fitting, Offset, 2" Vent



90 LBS.

OPTIONS & NOTES

- SD Special Duty 500 lb. Carrier
- VP Vandal-Proof Trim
- 1 Positioning Frame
- 6 Supply Pipe Support (Specify Type of Pipe)
- 10 ABS Extension, through 10-1/2" Wall

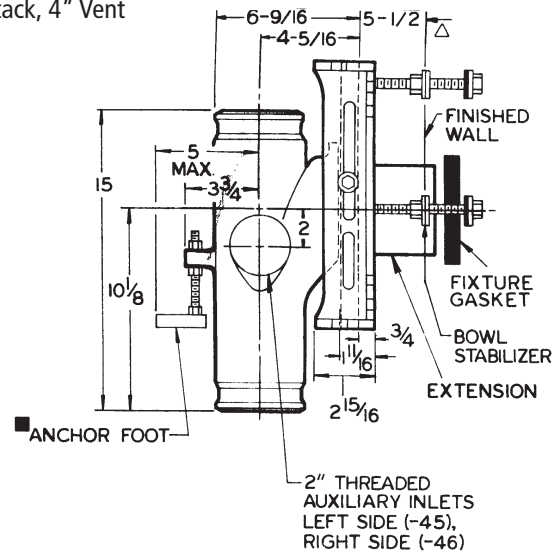
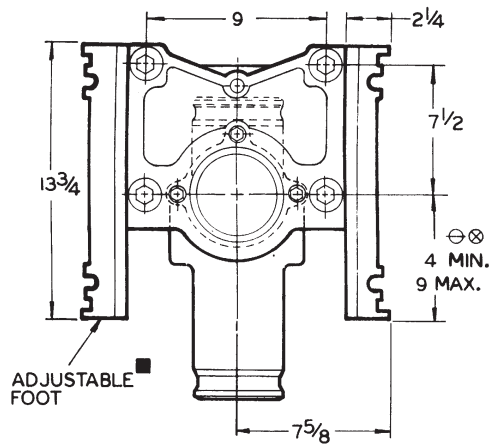
- 24 Carrier for Floor-Mounted, Back-Outlet China Bowls
- 30 Cast Iron Adjustable Extension with Connector
- 30-2 Cast Iron Adjustable Extension with Connector and Test Cap Assembly
- 50 No-Hub High Auxiliary Inlet, Opposite Vent
- 54 Threaded High Auxiliary Inlet, Opposite Vent

VERTICAL 4" NO-HUB, CLOSE, SINGLE

14464

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where single compact on-stack fitting with 4" vent and vertical flow is desired.

Single Fitting, On Stack, 4" Vent



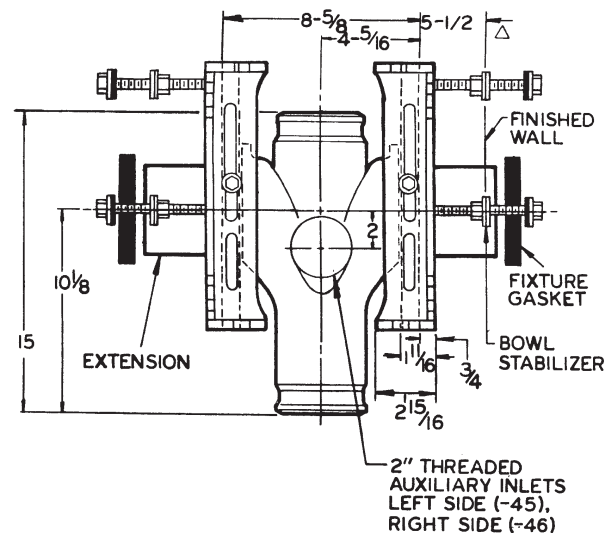
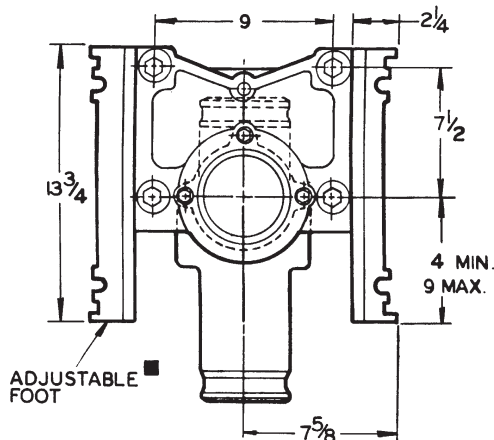
52 LBS.

VERTICAL 4" NO-HUB, CLOSE, BACK-TO-BACK

14484

APPLICATION: For use with Siphon Jet Closets in No-Hub piping systems where back-to-back compact on-stack fitting with vertical flow is desired.

Back-to-Back Fitting, 4" Vent, for Siphon Jet Closets Only



82 LBS.

OPTIONS & NOTES

-SD	Special Duty 500 lb. Carrier	-24	Carrier for Floor-Mounted, Back-Outlet China Bowls
-VP	Vandal-Proof Trim	-30	Cast Iron Adjustable Extension with Connector
-1	Positioning Frame	-30-2	Cast Iron Adjustable Extension with Connector and Test Cap Assembly
-6	Supply Pipe Support (Specify Type of Pipe)	-45	Threaded Left-Hand Auxiliary Inlet
-10	ABS Extension, through 10-1/2" Wall	-46	Threaded Right-Hand Auxiliary Inlet

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: \ominus 11" MIN. & 16-1/2" MAX.

✕ FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

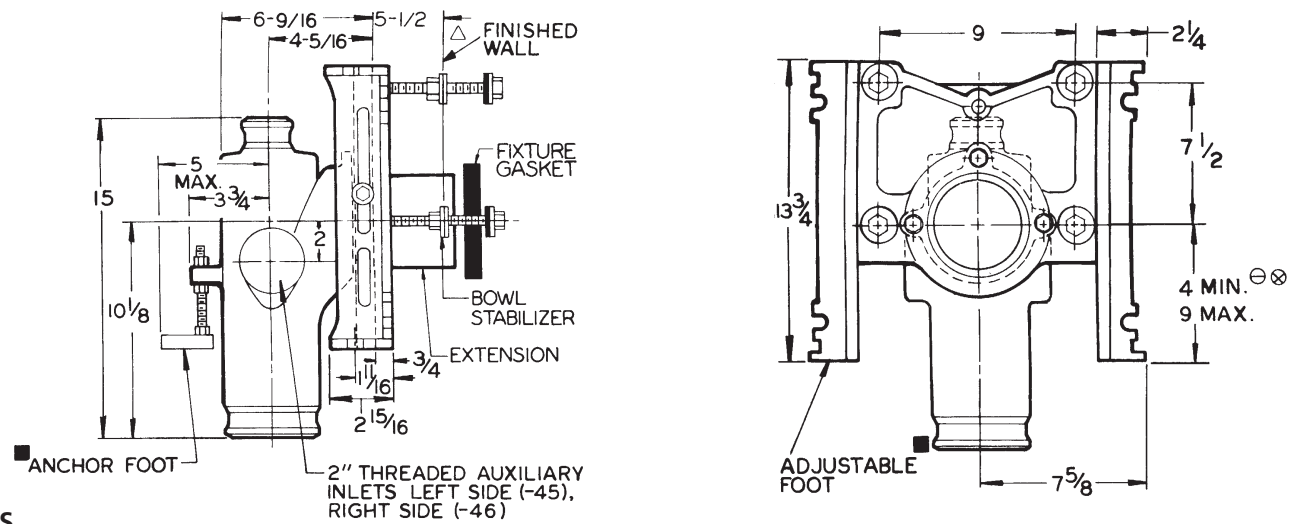
△ FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

VERTICAL 4" NO-HUB, CLOSE, SINGLE

14504

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where single compact on-stack fitting with 2" vent and vertical flow is desired.

Single Fitting, On Stack, 2" Vent



OPTIONS & NOTES

-SD	Special Duty 500 lb. Carrier	-24	Carrier for Floor-Mounted, Back-Outlet China Bowls
-VP	Vandal-Proof Trim	-30	Cast Iron Adjustable Extension with Connector
-1	Positioning Fram	-30-2	Cast Iron Adjustable Extension with Connector and Test Cap Assembly
-6	Supply Pipe Support (Specify Type of Pipe)	-45	Threaded Left-Hand Auxiliary Inlet
-10	ABS Extension, through 10-1/2" Wall	-46	Threaded Right-Hand Auxiliary Inlet

RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: 11" MIN. & 16-1/2" MAX.

FOR ROUGHING OVER 6" FOR SIPHON JET OR 12-1/2" FOR BLOWOUT, SPECIFY ON ORDER.

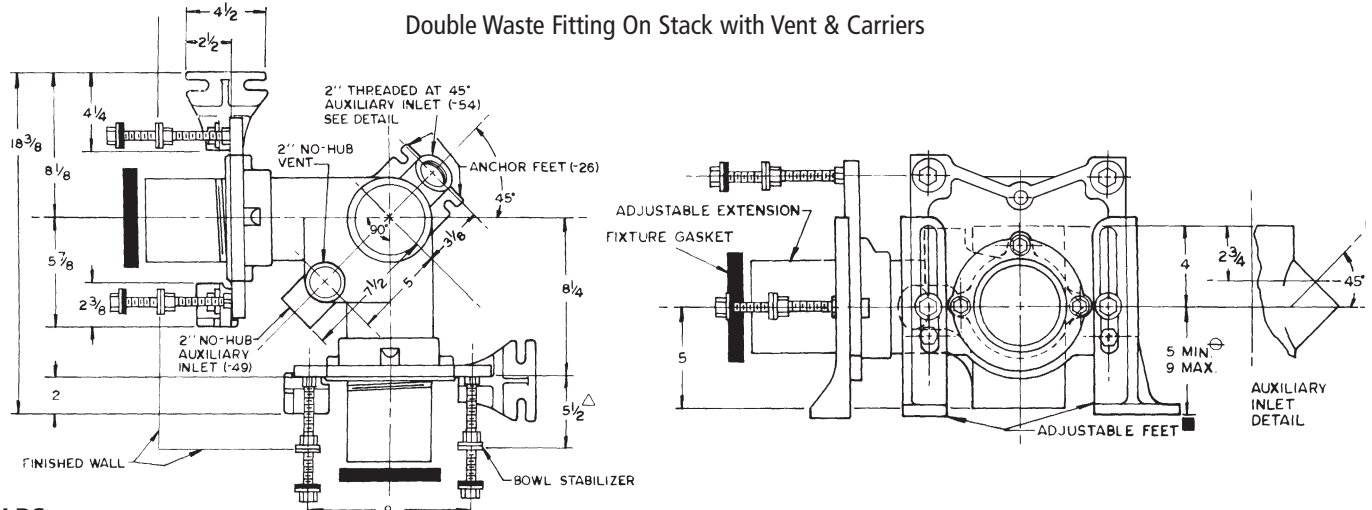
FOR DIM. SHORTER THAN 5-1/2" (1" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

VERTICAL NO-HUB, 90° INSTITUTIONAL FITTING

15964

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where 90-degree double waste fitting with vent, auxiliary inlet and vertical flow is desired such as in prisons.

SPECIFICATION: JOSAM 15964 Series coated cast iron vertical 4" no-hub double waste 90° Stack Fitting with 4" closet branches, 2" no-hub vent, with close closet carriers invertible for siphon jet or blowout closets, ABS extensions with integral test caps, buttress feet, plated hardware and fixture gaskets.



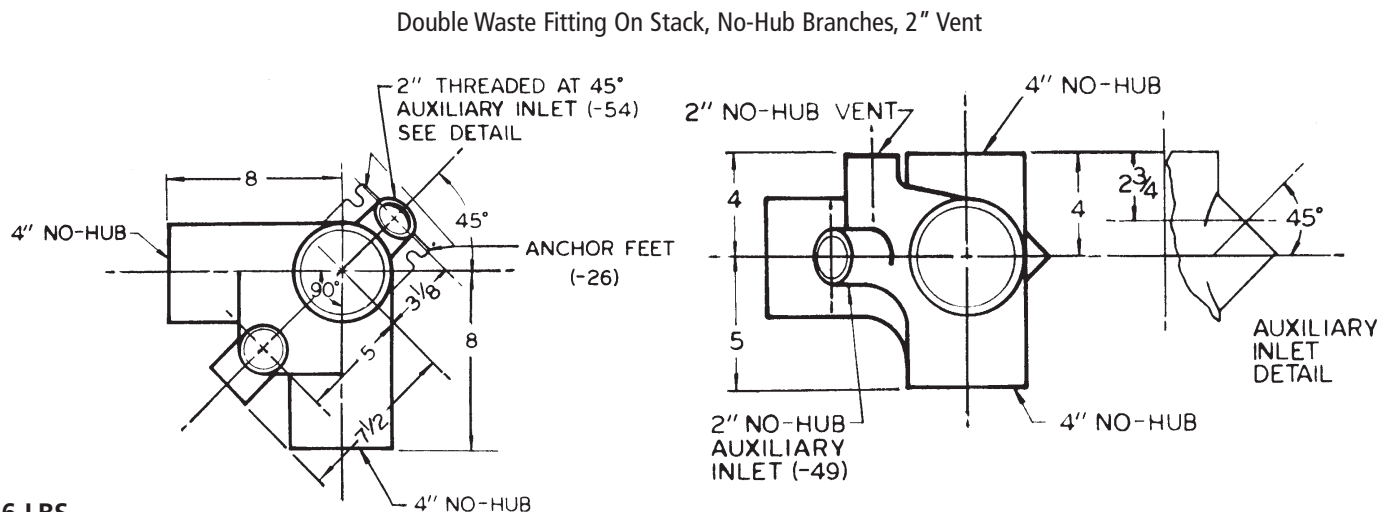
90 LBS.

VERTICAL NO-HUB, 90° INSTITUTIONAL FITTING

15984

APPLICATION: For use with Siphon Jet or Blowout Closets in No-Hub piping systems where 90-degree double waste fitting with vent, auxiliary inlet and vertical flow is desired such as in prisons. Fitting only, carrier trim by others.

SPECIFICATION: JOSAM 15984 Series coated cast iron vertical 4" no-hub double waste 90° Stack Fitting with 4" no-hub closet branches and 2" no-hub vent.



26 LBS.

OPTIONS & NOTES

		APPLICATIONS SERIES		APPLICATIONS SERIES	
		15964	15984	15964	15984
-VP	Vandal-Proof Trim	X	-	X	X
-1	Positioning Frame	X	-	X	-
-6	Supply Pipe Support (Specify Type of Pipe)	X	-	X	-
-10	ABS Extension, through 10-1/2" Wall	X	-	X	X
-24	Carrier for Floor-Mounted, Back-Outlet China Bowls	X	-	X	X
-26	Fitting Anchor Foot	-	-	-	-
-30	Cast Iron Adjustable Extension with Connector	-	-	-	-
-30-2	Cast Iron Adjustable Ext. w/Connector & Test Cap Assy.	-	-	-	-
-49	No-Hub High Auxiliary Inlet, Under Vent	-	-	-	-
-54	Threaded High Auxiliary Inlet, Opposite Vent	-	-	-	-

■ RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS.

DIM. SHOWN IS FOR SIPHON JET. BLOWOUT IS: 11" MIN. & 16-1/2" MAX.

△ FOR DIM. SHORTER THAN 5-1/2" (1-3/4" MIN.) CUT EXT. SPECIFY -10 FOR LONGER EXT. (10-1/2" MAX.)

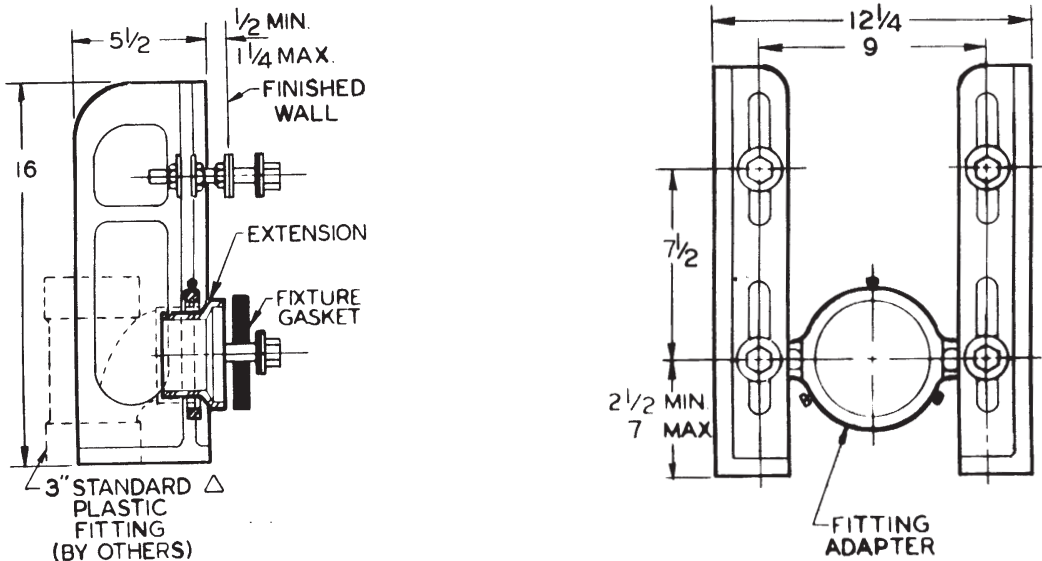
FLOOR-MOUNT, PVC ADAPTER TYPE

16123

APPLICATION: For use with Siphon Jet Closets only in PVC piping systems where a single compact carrier with vertical flow is desired and a 3" PVC fitting is to be furnished by others.

SPECIFICATION: JOSAM 16123 Series coated cast iron single Commercial Closet Carrier and 3" PVC plastic fitting adapter with extension and chrome plated trim.

Single Fitting, On Stack, Adapter Type for PVC Plastic Pipe for Siphon Jet Closets Only



35 LBS.

OPTIONS & NOTES

- VP Vandal-Proof Trim
- 1 Positioning Frame
- 6 Supply Pipe Support (Specify Type of Pipe)
- 13 ABS Extension
- 21 Hanger Type Closet Adapter

RECOMMENDED ALL FEET BE SECURED TO FLOOR WITH 1/2" BOLTS AND ANCHORS BY OTHERS. △ THIS CARRIER CAN ALSO BE USED WITH A 4 X 4 X 3 TEE.