#### PLUMBING Stainless Steel Pipe Fittings & Flanges



## Socket Weld Stainless Steel Pipe Fittings, Class 150 & 3000

Female connections

Socket weld (SW) fittings attach by inserting pipe into the recessed area of the fitting. Pipe and the fitting are square cut for easy fillet welding and installation.

Type 304 stainless steel resists corrosion caused by water, heat, saltwater, acids, minerals, and peaty soils.

**Type 316 stainless steel** has a higher nickel content than 304 stainless for greater corrosion resistance that resists corrosion from caustic chemicals, corrosive fluids, oils, and gases, and withstands pressure and high temperatures.

**CLASS 150:** Medium-pressure (300-399 psi). For plumbing or welding applications with air, water, natural gas, or steam.

Description	Fitting Pipe Size	316 Stainless Steel Item No.
Class 150 Medium Pres	sure Pine Fittings	NU.
45° Elbow	outo i ipo i ittinigo	
C	11⁄4 in	2TY47
90° Elbow		
(TITLE)	3⁄4 in	2TY37
	1 in	2TY38
	1½ in	2TY40
	2 in	2TY41
	21/2 in	2TY42
	3 in	2TY43
Coupling		
1	1 in	2TY30
	1½ in	2TY32
	2 in	2TY33
- North	3 in	2TY35
Tee	2/ 1-	OTVC4
( and the second	3/4 in	2TY61
	1 in	2TY62
	11/4 in	2TY63
1º	2 in	2TY65
	2½ in	2TY66
Union	1/2 in	2TY68
1	<sup>1/2</sup> In <sup>3</sup> /4 in	21Y68 2TY69
	1 in	
	11/4 in	2TY70
	11/2 in	2TY71
140		2TY72
	2 in	2TY73

# CLASS 3000: High-pressure (1000-3000 psi). For natural gas, non-potable water, and oil applications.

	Fittina	304 Stainless Steel Item	316 Stainless Steel Item
Description	Pipe Size	No.	No.
Class 3000 High Pressure			NU.
45° Elhow	ripo rittingo		
	1½ in	20XY86	20XZ36
(Fait) h	3/4 in	20XY87	20XZ37
0.000	1 in	20XY88	20XZ38
1 miles - 1 miles	1½ in	20XY89	20XZ39
	2 in	20XY90	20XZ40
90° Elbow			
	1⁄2 in	20XY66	20XZ21
	3⁄4 in	20XY67	20XZ22
	1 in	20XY68	20XZ23
	1½ in	20XY69	20XZ24
	2 in	20XY70	20XZ25
Coupling	- 441		
	1/2 in	20XY96	20XZ46
	3/4 in 1 in	20XY97	20XZ47 20XZ48
ale -		20XY98 20XY99	20XZ48 20XZ49
	1½ in 2 in	20XY99 20XZ01	20XZ49 20XZ50
Outlet	2 111	207201	ZUAZJU
outiet	1/4 in	4HWG2	4HWH1
		4HWG3	4HWH2
	1/2 in	20XZ07	20XZ56
-	1/2 in	4HWG4	4HWH3
	3/4 in	20XZ08	20XZ57
Concerning in the local division of the loca	3/4 in	4HWG5	4HWH4
adamtion 2	1 in	20XZ09	20XZ58
Contraction of	1 in	4HWG6	4HWH5
And in case of the local division of the loc	11/4 in	4HWG7	4HWH6
	1½ in	20XZ11 ‡ 20XZ10 #	20XZ60 ‡ 20XZ59 #
	11/2 in		
	11/2 in	4HWG8	4HWH7
	2 in	20XZ12 *	20YC11 *
	2 in	20XZ13 †	20YC12 †
-	2 in	4HWG9	4HWH8
Tee	1/ :-	000070	007204
	1/2 in	20XY76	20XZ31
(All and a	3/4 in	20XY77	20XZ32
	1 in 1½ in	20XY78 20XY79	20XZ33 20XZ34
		20XY/9 20XY80	20XZ34 20XZ35
	2 in	207190	207732

# 11/2"L. ‡ 17/16"L. \* 111/16"L. † 19/16"L.



### Stainless Steel Pipe Flanges, Class 150 & 300

Flanges allow easy access for cleaning, inspection, and modification. **Raised face** flanges bolt onto pipes without needing welding. **Slip-on** flanges slip over pipe and are manufactured with an inside diameter slightly bigger than the pipe's outside diameter. The pipe slides through the flange and is welded on both sides. **Socket weld** flanges attach to pipe by inserting the pipe into the socket end of the flange and applying a fillet weld around the flange/pipe. **Blind** flanges, also called blank flanges, seal the end of piping systems or pressure vessel openings to test the flow of a gas or liquid. **Butt weld** flanges, also called **Jes, Class 150 & Juu** welded neck flanges, attach by welding the pipe to the neck of the flange, transferring stress from the flange and the hub's base to the pipe. **Lap joint** flanges are most commonly used with stub end fittings and slide directly over the pipe. The pipe is welded to the stub end, allowing the lap joint flange to rotate freely around the stub end and eliminating issues with bolt-hole alignment. **Type 304 stainless steel** resists corrosion caused by water, heat, saltwater, acids, minerals, and peaty soils. **Type 316 stainless steel** has a higher nickel content than 304 stainless for even greater corrosion resistance.

CLASS 150: Low-pressure 100-299 psi. For use with air, water, oil, natural gas, and steam applications.

216

304



Low Pressure Pressure Slip-On Threaded

Nominal Pipe Size	Flange Outside Diameter	Max. Operating Pressure	No. of Bolt Holes	Stainless Steel Item No.	Stainless Steel Item No.
		essure Thre			110.
Raised	Face Floor	Flange		•	
1/2 in	3½ in	150 psi	4	4WPU6	4WPV7
3⁄4 in	3% in	150 psi	4	4WPU7	4WPV8
1 in	41/4 in	150 psi	4	<b>4WPU8</b>	4WPV9
11/4 in	45% in	150 psi	4	4WPU9	4WPW1
1½ in	5 in	150 psi	4	4WPV1	4WPW2
2 in	6 in	150 psi	4	4WPV2	4WPW3
21/2 in	7 in	150 psi	4	4WPV3	4WPW4
3 in	71⁄2 in	150 psi	4	4WPV4	4WPW5
6 in	11 in	150 psi	8	60WJ88	4WPW7

Nominal Pipe Size	Outside Diameter			ltem No.	316 Stainless Steel Item No.
	Face Slip-	essure Slip-	UII FIAI	iges	
11/4 in	45% in	150 psi	4	4HWT3	_
2 in	6 in		4	_	60WK28
2 in	6 in	150 psi	4	4HWT5	_
3 in	71/2 in	_	4	-	60WK29
3 in	71/2 in	150 psi	4	4HWT7	_
4 in	9 in	150 psi	8	4HWT8	4HWU9
6 in	11 in	150 psi	8	4HWT9	4HWX1
		ssure Socl			
		dule 40 So	cket We		
1⁄2 in	31/2 in	275 psi	4	1RUK2	—
1/2 in	31/2 in		4	—	60WK31
3⁄4 in	31/8 in	275 psi	4	1RUK3	-
3⁄4 in	31 //s in	_	4	—	60WK32
1 in	41⁄4 in	275 psi	4	1RUK4	—
1 in	41⁄4 in	_	4	-	60WK33
11⁄4 in	45⁄% in	275 psi	4	1RUK5	_
1½ in	5 in	275 psi	4	1RUK6	-
1½ in	5 in		4		60WK35
2 in	6 in	150 psi	4	4HWX7	—
2 in	6 in	_	4		60WK36
21/2 in	7 in	275 psi	4	1RUK8	-

CLASS 300: Medium-pressure 300-999 psi. For use with air, water, natural gas, and steam applications.



Μ

Class 300 Medium Pressure Blind

Class 300
ledium Pressure
Socket Weld

Nominal	Flange	Max.	No. of	304 Stainless Steel	316 Stainless Steel
Pipe	Outside			Item	Item
Size	Diameter		Holes	No.	No.
21/2 in	7 in	_	4	_	60WK37
4 in	9 in		8	-	60WK38
Class 30	00 Medium	n Pressure	Threade	ed Flanges	
Raised	Face Threa	aded Flang	e		
1/2 in	3¾ in	720 psi	4	4HVL4	4HVN4
3⁄4 in	4% in	720 psi	4	4HVL5	4HVN5
1 in	4% in	720 psi	4	4HVL6	4HVN6
11⁄4 in	5¼ in	720 psi	4	4HVL7	4HVN7
1½ in	61/16 in	720 psi	4	4HVL8	—
11/2 in	61⁄8 in	720 psi	4	-	4HVN8
2 in	6½ in	720 psi	8	4HVL9	4HVN9
21/2 in	71⁄2 in	720 psi	8	4HVN1	4HVP1
3 in	8¼ in	720 psi	8	4HVN2	-
4 in	10 in	720 psi	8	4HVN3	_
		Pressure	Blind Fl	anges	
	Face Blind				
1/2 in	3¾ in	720 psi	4	4HWC4	_
3⁄4 in	45% in	720 psi	4	4HWC5	4HWD5
1 in	4% in	720 psi	4	4HWC6	4HWD6
11/2 in	5¼ in	720 psi	4	4HWC8	4HWD8
2 in	6½ in	720 psi	8	4HWC9	4HWD9
21/2 in	7½ in	720 psi	8	4HWD1	4HWE1
3 in	8¼ in	720 psi	8	4HWD2	4HWE2
4 in	10 in	720 psi	8	4HWD3	4HWE3

Nominal Pipe Size Diameter Pressure Holes     Steel Item No.     Steel Item No.     Steel Item No.     Steel Item No.       Class 300 Medium Pressure Silp-On Flanges     Mained Fanges     Mained Fanges     Mained Fanges       ½ in 11/4 in 51/4 in 5					304 Stainless	316 Stainless	
Size     Diameter     Pressure     Holes     No.     No.       Class 300 Medium Pressure Slip-On Flanges     Maised Face Slip-On Flange     Maised Face Slip-On Flange     Maised Face Slip-On Flange       ½ in     3¾ in     720 psi     4     4HVP4     4HVR4       1 in     3¼ in     720 psi     4     4HVP7     —       1½ in     5¼ in     720 psi     4     4HVP6     4HVR8       2/in     6¼ in     720 psi     8     4HVP3     4HVR9       2/in     6¼ in     720 psi     8     4HVR1     4HVT3       3 in     8¼ in     720 psi     8     4HVR3     4HVT3       Class 300 Medium Pressure Socket Weld Flange     Maised Face Schedule 40 Socket Weld Flange     4HVU4     4HVU6       1¼ in     5¼ in     720 psi     4     4HV14     4HVU6       1¼ in     720 psi     4     4HV14     4HVU6       1¼ in     720 psi     4     4HV16     4HV18       1½ in     5¼ in     720 psi     4     4HV19     - <td>Nominal</td> <td>Flange</td> <td>Max.</td> <td>No. of</td> <td></td> <td>Steel</td>	Nominal	Flange	Max.	No. of		Steel	
Class 300 Medium Pressure Slip-On Flanges       Raised Face Slip-On Flange       ½ in     3¾ in     720 psi     4     HVP4     4HVP4       1 in     4¼ in     720 psi     4     4HVP6     4HVP6       1 ¼ in     5¼ in     720 psi     4     4HVP6     4HVP6       1 ¼ in     5¼ in     720 psi     4     4HVP6     4HVP7       1 ½ in     6¼ in     720 psi     4     4HVP8     4HVR8       2 ¼ in     720 psi     8     4HVP3     4HVT1       3 in     8¼ in     720 psi     8     4HVR2     4HVT2       4 in     10 in     720 psi     8     4HVR3     4HVT3       4 in     10 in     720 psi     4     4HVT4     4HVU4       3¼ in     720 psi     4     4HVT4     4HVU4       3¼ in     720 psi     4     4HVT6     4HVU4       3¼ in     720 psi     4     4HVT6     4HVU4       3¼ in     720 psi     4     4HV17     -							
Raised Face Slip-On Flange       ½ in     3% in     720 psi     4     HVVP4     HVVR4       1'in     4% in     720 psi     4     HVVP6     HVVR6       1'ui     5% in     720 psi     4     HVVP7     —       1'vi     16% in     720 psi     4     HVVP7     —       1'vi     16% in     720 psi     4     HVP7     —       1'vi     16% in     720 psi     4     HVP9     HVR1       2'vi     17½ in     720 psi     8     4HVP9     4HV12       4     10 in     720 psi     8     4HVR3     4HV12       4     10 in     720 psi     4     4HV14     4HV14       4/in     10 in     720 psi     4     HV14     4HV14       4/in     1% in     720 psi     4     HHV16     4HV17       1/vi     16% in     720 psi     4     HHV16     4HV18     —       1/vi     16% in     720 psi     4     HHV17 <th></th> <th></th> <th></th> <th></th> <th></th> <th>No.</th>						No.	
½ in     3¾ in     720 psi     4     4HVP4     4HVP4       1 in     4½ in     720 psi     4     4HVP6     4HVR6       1 ¼ in     5¼ in     720 psi     4     4HVP6     4HVR6       1 ¼ in     5¼ in     720 psi     4     4HVP8     4HVR9       1 ½ in     6¼ in     720 psi     8     4HVP1     4HVR9       2 ¼ in     7½ in     720 psi     8     4HVR1     4HVT3       3 in     8¼ in     720 psi     8     4HVR1     4HVT3       4 in     10 in     720 psi     8     4HVR3     4HVT3       Class 300 Medium Pressure Socket Weld Flange     Maxin     720 psi     4     4HV14     4HVU5       1 ¼ in     3¼ in     720 psi     4     4HV14     4HV16     14HV16       1 ¼ in     5¼ in     720 psi     4     4HV17     —     11     4½ in     720 psi     4     4HV16     14V15     …       1 ¼ in     5¼ in     720 psi     4     4HV17				Slip-On	Flanges		
1 in     47% in     720 psi     4     4HVP6     4HVR6       11⁄4 in     51⁄4 in     720 psi     4     4HVP7     -       11⁄5 in     65⁄k in     720 psi     4     4HVP6     4HVR8       2 in     65⁄k in     720 psi     8     4HVP9     4HVR8       2 in     65⁄k in     720 psi     8     4HVP1     4HVR1       3 in     81⁄k in     720 psi     8     4HVR2     4HVT1       4 in     10 in     720 psi     8     4HVR3     4HVT2       4 in     10 in     720 psi     8     4HVR4     4HVT4       4 in     31⁄k in     720 psi     4     4HVT4     4HVT4       3/k in     720 psi     4     4HVT6     4HVU4       3/k in     720 psi     4     4HVT7     -       11⁄k in     5/k in     720 psi     4     4HVT6     4HVU4       3/k in     720 psi     4     4HVT7     -     4HVU3       11/k in     5/k in							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			720 psi				
1½ in     6¼ in     720 psi     4     44/VP8     44/VP8       2½ in     7½ in     720 psi     8     44/VP9     44/VR9       2½ in     7½ in     720 psi     8     44/VP3     44/VR9       3½ in     7½ in     720 psi     8     44/VR2     44/VT3       3     1n     8¼ in     720 psi     8     44/VR2     44/VT3       Class 300 Medium Pressure Socket Weld Flanges     Raised Face Schedule 40 Socket Weld Flange     44/VT4     44/VT4       ½ in     3¼ in     720 psi     4     44/VT6     44/VU4       3¼ in     720 psi     4     44/VT6     44/VU5       1 in     4¼ in     720 psi     4     44/VT6     44/VU4       3¼ in     720 psi     4     44/VT6     44/VU4       2¼ in     5¼ in     720 psi     4     44/VT8     -       1½ in     5¼ in     720 psi     4     44/VZ3     -       2½ in     7½ in     720 psi     4     44/VZ3     -						4HVR6	
2 in     6½ in     720 psi     8     4HVP9     4HVR9       2½ in     7½ in     7½ in     720 psi     8     4HVR1     4HVT2       3 in     8¼ in     720 psi     8     4HVR1     4HVT2       4 in     10 in     720 psi     8     4HVR2     4HVT2       4 in     10 in     720 psi     8     4HVR3     4HVT2       4 in     10 in     720 psi     8     4HVR3     4HVT3       4 in     74% in     720 psi     4     4HV14     4HVU4       3/4 in     720 psi     4     4HVT6     4HVU5       1/4 in     5¼ in     720 psi     4     4HVT6     4HVU6       1/2 in     5¼ in     720 psi     4     4HVT6     4HVU3       2/2 in     7½ in     720 psi     8     4HVU1     4HV23       2/2 in     7½ in     720 psi     8     4HVU3     4HV23       2/2 in     7½ in     720 psi     4     4HV24						_	
2½ in     7½ in     720 psi     8     4HVR1     4HVT1       3 in     8¼ in     720 psi     8     4HVR2     4HVT2       4 in     10 in     720 psi     8     4HVR3     4HVT2       4 in     10 in     720 psi     8     4HVR3     4HVT3       Class 300 Medium Pressure Socket Weld Flange     Name     4HVT4     4HVT4       ¾ in     3¼ in     720 psi     4     4HVT4     4HVU4       ¾ in     4½ in     720 psi     4     4HVT6     4HVU6       1¼ in     5¼ in     720 psi     4     4HVT8     -     4HVU8       1½ in     5¼ in     720 psi     4     4HVT8     -     4HVU8       2 in     6½ in     720 psi     4     4HVT9     -     4HVX1       3 in     8¼ in     720 psi     8     4HVU2     4HVX2     4HVX2       4 in     10 in     720 psi     8     4HVU3     4HVX4     -       2½ in     7½ in     720 psi     4							
3in     8¼ in     720 psi     8     4HVR2     4HVR2       4 in     10 in     720 psi     8     4HVR3     4HVT3       Class     300 Medium     Pressure Socket Weld Flange     8     4HVT3       Lass     334 in     720 psi     4     4HVT4     4HVT4       ¼ in     3¼ in     720 psi     4     4HVT4     4HVU4       ¾ in     4% in     720 psi     4     4HVT6     4HVU5       1 in     4% in     720 psi     4     4HVT6     4HVU5       1 in     4% in     720 psi     4     4HVT7     —       1 ½ in     5¼ in     720 psi     4     4HVT6     4HVU8       2 in     6¼ in     720 psi     8     4HVT7     —     4HV82       2 in     5¼ in     720 psi     8     4HVT7     —     4HV23       2 in     6¼ in     720 psi     8     4HV24     —     4HV23       2 in     6¼ in     720 psi     4     4HV23     HV24							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		7½ in					
Class 300 Medium Pressure Socket Weld Flanges       Raised Face Schedule 40 Socket Weld Flange       ½ in 3¾ in 720 psi 4     4HV14       ¾ in 4½ in 720 psi 4							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $						ges	
34 in     45% in     720 psi     4     4HVU5       1 in     47% in     720 psi     4     4HVT6     4HVU5       1 1/4 in     57% in     720 psi     4     4HVT7     -       1 1/4 in     57% in     720 psi     4     4HVT7     -       1 1/4 in     57% in     720 psi     4     4HVT8     -       2 1/2 in     61% in     720 psi     4     4HVT8     -       2 1/2 in     61% in     720 psi     8     4HVU2     -       2 1/2 in     71% in     720 psi     8     4HVU3     4HVX3       3 in     87% in     720 psi     8     4HVU3     4HVX3       Class     300 Medium Pressure But Weld Heanges     Alvx3     -     -       74 in     49% in     720 psi     4     4HVX4     -       3/4 in     49% in     720 psi     4     4HVY5     -       3/4 in     49% in     720 psi     4     -     4HVY5       1 1/4 4/% in     7							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			720 psi		4HVT4		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					_		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						4HVU6	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		5¼ in				_	
2 in     6½ in     720 psi     8     4HVT9        2½ in     7½ in     720 psi     8     4HVU1     4HVX1       3 in     8¼ in     720 psi     8     4HVU2     4HVX2       4 in     10 in     720 psi     8     4HVU3     4HVX3       Aisacd Face Schedule 40 Weld Neck Flange     Raised Face Schedule 40 Weld Neck Flange      4HVX4        ¾ in     4% in     720 psi     4     4HVX4      4HVY5       ¾ in     4% in     720 psi     4     4HVX5      4HVY5       1/4 in     5¼ in     720 psi     4      4HVY5        3/4 in     4% in     720 psi     4      4HV76        1/4 in     5¼ in     720 psi     4      4HV75        1/4 in     5¼ in     720 psi     4      4HV76        1/4 in     5¼ in     720 psi     4     4HV71     4HV71     4HV71     4HV71 <td></td> <td></td> <td>720 psi</td> <td></td> <td>4HVT8</td> <td>_</td>			720 psi		4HVT8	_	
2½     n     7½     n     720     psi     8     4HVU1     4HVX2       3 in     8¼ in     720 psi     8     4HVU2     4HVX2       4 in     10 in     720 psi     8     4HVU2     4HVX3       Class 300 Medium Pressure Butt Weld Flanges     Raised Face Schedule 40 Weld Neck Flange     4HVX4     —       % in     3¾ in     720 psi     4     4HVX5     —       ¾ in     4% in     720 psi     4     4HVX5     —       ¾ in     4% in     720 psi     4     —     4HVY5     —       1 in     4% in     720 psi     4     —     4HVY5     —       1 in     4% in     720 psi     4     —     4HVY5     —       1 in     4% in     720 psi     4     —     4HVY5     _       1 in     6% in     720 psi     4     HV48     4HVY2     4HV79       2 in     6½ in     720 psi     4HVY2     4HV21     4HV21     4HV21     4HV21 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>4HVU8</td>						4HVU8	
3 in     8¼ in     720 psi     8     4HVU2     4HVX2       4 in     10 in     720 psi     8     4HVU2     4HVX2       4 in     10 in     720 psi     8     4HVU3     4HVX3       Class 300 Medium Pressure Butt Weld Flanges     8     4HVX4     —     4HVX4     —       ½ in     3¼ in     720 psi     4     4HVX4     —     4HVX5       ¾ in     4% in     720 psi     4     4HVX4     —     4HVY5       ¾ in     4% in     720 psi     4     —     4HVY5     1       ¾ in     4% in     720 psi     4     —     4HVY6     —       1 ¼ in     5¼ in     720 psi     4     —     4HVY6     1       2 ¼ in     5¼ in     720 psi     4     HVX8     4HVY8     4HV79       2 ¼ in     10 in     720 psi     8     4HVY1     4HV21     3       3 in     8¼ in     720 psi     8     4HV24     4Hv21     3       <						-	
4 in     10 in     720 psi     8     4HVU3     4HVX3       Class 300 Medium Pressure Butt Weld Flanges     Raised Face Schedule 40 Weld Neck Flange     1     No.     1     No.							
Class 300 Medium Pressure Butt Weld Flanges       Raised Face Schedule 40 Weld Neck Flange       ½ in     3% in       ½ in     3% in       ¾ in     720 psi     4       ¾ in     4% in       ¾ in     720 psi     4       ¾ in     4% in     720 psi       1 ¼ in     5¼ in     720 psi       1 ¼ in     5¼ in     720 psi       1 ¼ in     5¼ in     720 psi       2 in     6¼ in     720 psi       2 in     6¼ in     720 psi       4 HVX8     4HVY9       2½ in     7½ in       3 in     8¼ in       4 in     10 in       720 psi     8       4HVX3     4HV23       Class 300 Medium Pressure Lap Joint Flanges       1 in     4½ in       1 in     4½ in       1 in     4½ in       1 in     4½ in <							
Raised Face Schedule 40 Weld Neck Flange       ½ in     3% in     720 psi     4     4HVX4     —       ¾ in     4% in     720 psi     4     4HVX5     —       ¾ in     4% in     720 psi     4     4HVX5     —       ¾ in     4% in     720 psi     4     —     4HVY5       ¾ in     4% in     720 psi     4     —     4HVY5       1¼ in     5¼ in     720 psi     4     —     4HVY5       1¼ in     5¼ in     720 psi     4     HVX8     4HVY9       1½ in     6¼ in     720 psi     4     4HVX8     4HVY9       2½ in     7½ in     720 psi     8     4HVY1     4HV21       3 in     8¼ in     720 psi     8     4HVY2     4HV23       4 in     10 in     720 psi     8     4HVY2     4HV24       Lab Joint Flanges     Lab Joint Flanges     Lab Joint Flanges     1     4HWA6       1¼ in     5¼ in     720 psi     4     — <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
½ in     3¾ in     720 psi     4     4HVX4     —       ¾ in     4% in     720 psi     4     4HVX5     —       ¾ in     4% in     720 psi     4     —     4HVX5       1 in     4% in     720 psi     4     —     4HVY5       1 in     4% in     720 psi     4     —     4HVY5       1 in     4% in     720 psi     4     —     4HVY5       1 in     4% in     720 psi     4     —     4HVY5       2 in     6% in     720 psi     4     —     4HVY9       2 /s in     7/2 in     720 psi     4HVY1     4HV21     4HV21       3 in     8/4 in     720 psi     8     4HVY2     4HV21       4 in     10 in     720 psi     8     4HV21     4HV21       3 in     8/4 in     720 psi     8     4HV21     4HV21       4 in     10 in     720 psi     8     4HV21     4HV23       Class 300 Medium Pressure Lap Joint Flanges						3	
34 in     4% in     720 psi     4     4HVX5     —       34 in     4% in     720 psi     4     —     4HVY5       1in     4% in     720 psi     4     —     4HVY5       1½ in     5¼ in     720 psi     4     —     4HVY6       1½ in     5¼ in     720 psi     4     —     4HVY8       2 in     6¼ in     720 psi     4     4HVX8     4HVY8       2 in     6½ in     720 psi     4     4HVX1     4HV24       2 in     7½ in     720 psi     8     4HVY1     4HV22       4 in     10 in     720 psi     8     4HV23     4HV23       Class 300 Medium Pressure Lap Joint Flanges     1an     4HWA3     4HWA3       1 in     4½ in     720 psi     4     —     4HWA6       1 ¼ in     5¼ in     720 psi     4     —     4HWA6       1 ¼ in     5¼ in     720 psi     4     —     4HWA6							
34 in     4% in     720 psi     4     4HVY5       1 in     4% in     720 psi     4     4HVY6       1 ¼ in     5¼ in     720 psi     4     4HVY7       1 ¼ in     5¼ in     720 psi     4     4HVY8       2 ¼ n     6¼ in     720 psi     4     4HVY8       2 ¼ n     6¼ in     720 psi     4     4HVY8       2 ¼ n     7½ in     720 psi     4 HVY2     4HV29       2 ½ in     7½ in     720 psi     8 4HVY1     4HV21       3 in     8¼ in     720 psi     8 4HVY2     4HV23       4 in     10 in     720 psi     8 4HVY2     4HV23       Class 300 Medium Pressure Lap Joint Flanges     1     1     4HVA6       1 ¼ in     5¼ in     720 psi     4     4HWA6       1 ¼ in     5¼ in     720 psi     4     4HWA6       1 ¼ in     5¼ in     720 psi     4     4HWA6						_	
1 in     4½ in     720 psi     4     4HVY6       1¼ in     5¼ in     720 psi     4     4HVY76       1½ in     6¼ in     720 psi     4     4HVY8       2 in     6¼ in     720 psi     4     4HVX8       2 in     6½ in     720 psi     8     4HVX9       2½ in     7½ in     720 psi     8     4HVX9       3 in     8¼ in     720 psi     8     4HVY3       4 in     10 in     720 psi     8     4HVY3     4HVZ3       Class 300 Medium Pressure Lap Joint Flanges     14HV24     4HVZ3     4HVZ3       Lap Joint Flange     1     4½ in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA6					4HVX5		
1½ in     5¼ in     720 psi     4     HVY3       1½ in     6¼ ein     720 psi     4     HVX8     HVY8       2 in     6½ in     720 psi     4     HVX8     HVY9       2½ in     7½ in     720 psi     8     HVY1     4HV23       2½ in     7½ in     720 psi     8     4HVY1     4HV24       4 in     10 in     720 psi     8     4HVY3     4HV23       Class 300 Medium Pressure Lap Joint Flanges     14HV24     4HV23     4HV23       1 in     4½ in     720 psi     4     —     4HWA6       1 ¼ in     5¼ in     720 psi     4     —     4HWA6       1 ¼ in     5¼ in     720 psi     4     —     4HWA6       1 ¼ in     5¼ in     720 psi     4     —     4HWA6			720 psi		_		
1½ in     6¼ in     720 psi     4     4HVX8     4HVY8       2 in     6½ in     720 psi     8     4HVX9     4HVY1       2½ in     7½ in     720 psi     8     4HVY1     4HVZ1       3 in     8¼ in     720 psi     8     4HVY2     4HVZ1       4 in     10 in     720 psi     8     4HVY2     4HVZ1       4 in     10 in     720 psi     8     4HVY2     4HVZ3       Class 300 Medium Pressure Lap Joint Flanges     Lap Joint Flange     –     4HWA6       1¼ in     5¼ in     720 psi     4     –     4HWA6       1¼ in     5¼ in     720 psi     4     –     4HWA6			720 psi		—		
2 in     6½ in     720 psi     8     4HVX9     4HVY9       2½ in     7½ in     720 psi     8     4HVY1     4HV21       3 in     8¼ in     720 psi     8     4HVY2     4HV22       4 in     10 in     720 psi     8     4HVY2     4HV22       4 in     10 in     720 psi     8     4HVY3     4HVZ3       Class 300 Medium Pressure Lap Joint Flanges     Lap Joint Flange     1     1     47% in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA6     1     4HWA7     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA7       1¼ in     5¼ in     720 psi     4     —     4HWA7							
2½ in     7½ in     720 psi     8     4HVY1     4HV21       3 in     8¼ in     720 psi     8     4HVY2     4HV22       4 in     10 in     720 psi     8     4HVY2     4HV23       Class 300 Medium Pressure Lap Joint Flanges     1     14V23     4HV23     4HV23       1 in     4½ in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA6							
3 in     8¼ in     720 psi     8     4HVY2     4HVZ2       4 in     10 in     720 psi     8     4HVY3     4HVZ3       Class 300 Medium Pressure Lap Joint Flanges     Lap Joint Flange     4HVA3     4HVA3       1 in     4½ in     720 psi     4     —     4HWA6       1½ in     5¼ in     720 psi     4     —     4HWA7       1½ in     5¼ in     720 psi     4     —     4HWA7							
4 in     10 in     720 psi     8     4HVY3     4HVZ3       Class 300 Medium Pressure Lap Joint Flanges     1     4 </td <td></td> <td></td> <td>720 psi</td> <td></td> <td></td> <td></td>			720 psi				
Class 300 Medium Pressure Lap Joint Flanges       Lap Joint Flange     4     <							
Lap Joint Flange       1 in     4% in     720 psi     4     —     4HWA6       1½ in     5½ in     720 psi     4     —     4HWA7       1½ in     6½ kin     720 psi     4     —     4HWA7       1½ in     6½ kin     720 psi     4     —     4HWA7						4HVZ3	
1 in     4% in     720 psi     4     —     4HWA6       1¼ in     5¼ in     720 psi     4     —     4HWA7       1½ in     5¼ in     720 psi     4     —     4HWA7       1½ in     6¼ 6 in     720 psi     4     —     4HWA8	Class 300 Medium Pressure Lap Joint Flanges						
1¼ in     5¼ in     720 psi     4     —     4HWA7       1½ in     6¼6 in     720 psi     4     —     4HWA8							
11/2 in 61/16 in 720 psi 4 - 4HWA8			720 psi		_		
					-		
2 in 6½ in 720 psi 8 — 4HWA9					—		
	2 in	61/2 in	720 psi	8	-	4HWA9	

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