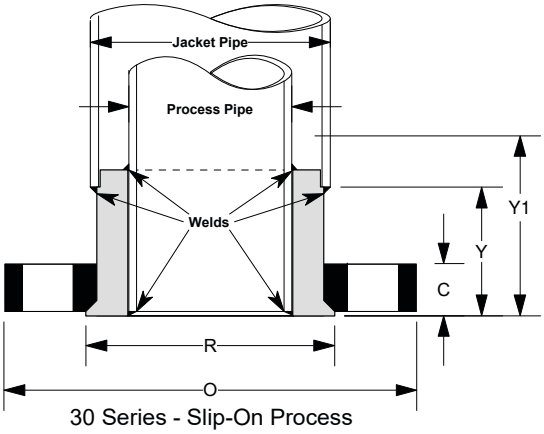
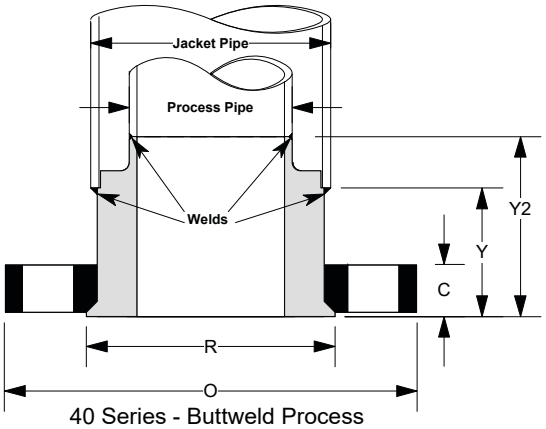
American Insert Flange

CLASS 150#

Standard Flange Thickness
Jacketed Pipe • Line-Size (Non-Reducing)
30 & 40 SERIES (CONVENTIONAL)



30 Series - Slip-On Process



40 Series - Buttweld Process

Part Number (*1.)		Sizes (Nominal)			General Dimensions			Inside Diameters		Lengths			Flange Drilling		Weight
Slip-On	Buttweld	Flange Size	Core Pipe	Jacket Pipe	Outside Diam-eter O	Flange Thick-ness C	Raised Face R	Slip-On Bore B	Buttweld Bore B_2	Face to Hub Y	Slip-On Length Y_1	Buttweld Length Y_2	# of Holes - Diameter	Bolt Circle Dia.	Esti-mated in lbs.
30A	40A	1/2"	1/2"	1"	3.50	0.44	1.38	0.88	This dimension is determined by the pipe schedule and its corresponding inside diameter.	1.44	1.69	2.06	4 - 0.63	2.38	1.5
30C	40C	3/4"	3/4"	1-1/2"	3.88	0.50	2.00	1.09		1.50	1.75	2.25	4 - 0.63	2.75	1.5
30D	40D	1"	1"	1-1/2"	4.25	0.56	2.00	1.36		1.56	1.81	2.31	4 - 0.63	3.13	3.0
30E	40E	1"	1"	2"	4.25	0.56	2.38	1.36		1.56	1.81	2.31	4 - 0.63	3.13	3.0
30F	40F	1-1/2"	1-1/2"	2-1/2"	5.00	0.69	3.00	1.95		1.69	1.94	2.44	4 - 0.63	3.88	5.0
30H	40H	2"	2"	3"	6.00	0.75	3.63	2.44		1.88	2.13	2.63	4 - 0.75	4.75	7.0
30K	40K	3"	3"	4"	7.50	0.94	5.00	3.57		2.06	2.31	2.81	4 - 0.75	6.00	13.0
30M	40M	4"	4"	6"-sch 10	9.00	0.94	6.63	4.57		2.19	2.44	2.94	8 - 0.75	7.50	19.0
30M	40M	4"	4"	6"-sch 40	9.00	0.94	6.31	4.57		2.06	2.31	2.81	8 - 0.75	7.50	19.0
30N	40N	6"	6"	8"-sch 10	11.00	1.00	8.63	6.72		2.31	2.69	3.44	8 - 0.88	9.50	27.5
30N	40N	6"	6"	8"-sch 40	11.00	1.00	8.50	6.72		2.25	2.63	3.25	8 - 0.88	9.50	27.5
30P	40P	8"	8"	10"-sch 10	13.50	1.13	10.75	8.72		2.50	2.88	3.63	8 - 0.88	11.75	40.0
30P	40P	8"	8"	10"-sch 40	13.50	1.13	10.63	8.72		2.38	2.75	3.50	8 - 0.88	11.75	40.0
30R	40R	10"	10"	12"	16.00	1.19	12.75	10.88		2.56	2.94	3.69	12 - 1.00	14.25	57.5
30S	40S	12"	12"	14"	19.00	1.25	15.00	12.88		1.25	1.75	2.50	12 - 1.00	17.00	59.0
30V	40V	14"	14"	16"	21.00	1.38	16.25	14.14		1.88	2.38	3.13	12 - 1.13	18.75	93.0
30W	40W	16"	16"	18"	23.50	1.44	18.50	16.16		1.94	2.44	3.19	16 - 1.13	21.25	117.5
30Y	40Y	18"	18"	20"	25.00	1.56	21.00	18.18		2.06	2.56	3.31	16 - 1.25	22.75	127.0

*1. These would be the first 3 digits of the part number. The rest of the part number is determined by the schedules of the core and jacket pipe, and the material of the insert and flange which all need to be specified.

*2. These flanges are made to **standard ASME flange thicknesses**. Although the conventional series (standard flange thicknesses) have been used the longest in the PVF industry, not all pressure temperature ratings will conform with ASME B16.5 due to an insert flange being a two-piece flange. (ASME B16.5 is written for one-piece flanges) Please see our ASME Series for engineered thicknesses that meet and conform to all pressure temperature ratings for ASME Code.

*3. Bolting is to SA-193 B7 and the gasket is spiral wound.

*4. Tolerances are standard to ANSI B 16.5 dimensional tolerances.

*5. Sizes not shown are available upon request.

*6. All dimensions are in inches. **The C dimension and the Lengths include the 1/16" raised face.**

*7. These dimensions are based on using stainless steel for the insert and carbon steel for the flange. Any changes in these types of material may result in an increase to the dimension of the flange thickness.

*8. An insert and flange is sold together as one unit.

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1603 Jessup Street, Suite 6, Wilmington, DE 19802 • Email: sales@AmericanInsertFlange.com
Web Site: www.AmericanInsertFlange.com