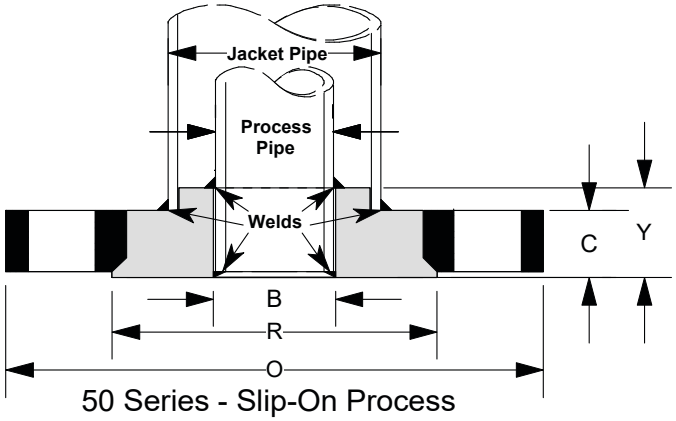
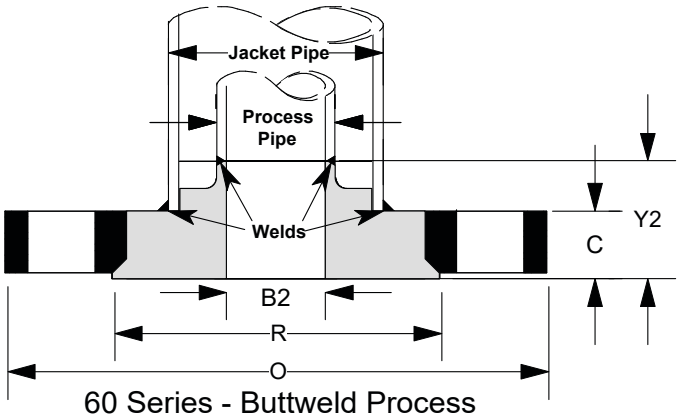
American Insert Flange

CLASS 150#

ANSI B16.5 Conforming for Jacketed Pipe
Oversize (Reducing)
50 & 60 SERIES (ASME)



50 Series - Slip-On Process



60 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 B2	Slip-On Length Y	Buttweld Length Y2	# of Holes - Diameter	Bolt Circle Dia.	Esti-mated in lbs.
50A	60A	1”	1/2”	1”	4.25	0.69	2.00	0.88	This dimesnion is determined by the pipe schedule and its corresponding inside diameter.	0.94	1.44	4 - 0.63	3.13	2.5
50C	60C	1-1/2”	3/4”	1-1/2”	5.00	0.69	3.00	1.09		0.94	1.44	4 - 0.63	3.88	4.0
50E	60E	2”	1”	2”	6.00	0.75	3.63	1.36		1.00	1.50	4 - 0.75	4.75	6.5
50F	60F	2-1/2”	1-1/2”	2-1/2”	7.00	0.88	4.25	1.95		1.13	1.63	4 - 0.75	5.50	9.5
50H	60H	3”	2”	3”	7.50	0.94	5.00	2.44		1.19	1.69	4 - 0.75	6.00	10.0
50K	60K	4”	3”	4”	9.00	1.06	6.19	3.57		1.31	1.81	8 - 0.75	7.50	17.5
50M	60M	6”	4”	6”	11.00	1.19	8.50	4.57		1.44	1.94	8 - 0.88	9.50	29.0
50N	60N	8”	6”	8”	13.50	1.19	10.63	6.72		1.56	2.31	8 - 0.88	11.75	45.5
50P	60P	10”	8”	10”	16.00	1.69	12.75	8.72		2.06	2.81	12 - 1.00	14.25	78.5
50R	60R	12”	10”	12”	19.00	1.88	15.00	10.88		2.25	3.00	12 - 1.00	17.00	118.0
50S	60S	14”	12”	14”	21.00	2.13	16.25	12.88		2.63	3.63	12 - 1.13	18.75	150.0
50V	60V	16”	14”	16”	23.50	2.44	18.50	14.14		2.94	3.94	16 - 1.13	21.25	224.0
50W	60W	18”	16”	18”	25.00	2.50	21.00	16.16		3.00	4.00	16 - 1.25	22.75	236.0
50Y	60Y	20”	18”	20”	27.50	2.75	23.00	18.18		3.25	4.25	20 - 1.25	25.00	302.0
50Z	60Z	24”	20”	24”	32.00	3.25	27.25	20.20		3.75	4.75	20 - 1.38	29.50	476.0

*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. Bolting is to SA-193 B7 and the gasket is spiral wound.
*3. These flanges are engineered to conform to all flange pressure temperature ratings for the associated weight class. Due to the fact that an insert flange is a two-piece flange, it is made to a slightly thicker dimension than standard flanges for some sizes.
*4. Tolerances and ratings are standard and conforming to ANSI B 16.5
*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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