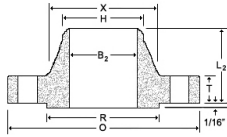
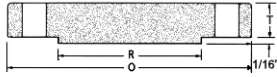


## ANSI B16.47 Series B Class 900 Flanges



series B 900 weld neck flange

The welding neck flange is normally referred to as the "high hub" Flange. It is designed to transfer stresses to the pipe, thereby reducing high stress concentrations at the base of the Flange. The welding neck flange is the best designed butt-welded flange of those currently available because of its inherent structural value. It is expensive because of the design.



series B 900 blind flange

The blind flange is used to close ends of piping systems. It is a kind of round plate with no center hole but with all the proper bolt holes. This blind flange is available in various sizes and materials and is used to provide positive closure on the ends of pipes, valves or equipment nozzles. This flange helps in easy access to a line once it has been sealed. The blind flange is sometimes custommade or machined to accept a nominal sized pipe to which reduction is being made. This reduction can be a threaded reduction or welded reduction.

Nom Size	Thickness			OD of RF	Dia at Base	Bore	Drilling					Weights		
	OD	Weld Neck	Blind				LTH	Dia Bevel	Bolt Circle	Bolt Length	Hole Dia	# of Holes	Weld Neck	Blind
	O	C	C				Y	A		-1	-2			
26	40.25	5.31	6.06	30	29.25	To be specified by Purchaser.	10.19	26	35.5	17.75	2.62	20	1050	2184
28	43.5	5.81	6.56	32.25	31.38		10.88	28	38.25	19.5	2.88	20	1520	2762
30	46.5	6.12	6.93	34.5	33.5		11.38	30	40.75	20.5	3.12	20	1820	3334
32	48.75	6.31	7.31	36.5	35.75		11.94	32	43	21	3.12	20	2065	3865
34	51.75	6.75	7.68	39	37.88		12.56	34	45.5	22.5	3.38	20	2450	4576
36	53	6.81	7.94	40.5	40		12.81	36	47.25	22.25	3.12	24	2520	4963
38	57.5	7.5	8.5	43.25	42.25		13.88	38	50.75	24.5	3.62	20	3385	6253
40	59.5	7.75	8.81	45.75	44.38		14.31	40	52.75	25	3.62	24	3620	6940
42	61.5	8.12	9.12	47.75	46.31		14.62	42	54.75	25.75	3.62	24	3960	7675
44	64.88	8.44	9.56	50	48.62		15.38	44	57.62	27	3.88	24	4300	8954
46	68.25	8.88	10.06	52.5	50.88		16.18	46	60.5	28.5	4.12	24	4640	10,426
48	70.25	9.19	10.38	54.5	52.88		16.5	48	62.5	29	4.12	24	4980	11,398

*Dimensions are in inches. Weights are in pounds.*

**(1) Bolt lengths are calculated based on bolting one WN to one Blind.**

**(2) Bolt diameter should be 1/8" less than the bolt hole diameter.**

**Note:**

Larger sizes as well as intermediate sizes can be furnished.

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