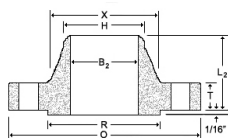
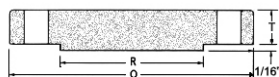


## ANSI B16.47 Series B Class 75 Flanges



series B 75 weld neck flange



series B 75 blind 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.

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 custom made 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						Drilling					Weight		
	OD	Weld Neck	Blind	OD of RF	Dia at Base	Bore	LTH	Dia Bevel	Bolt Circle	Bolt Length	Hole Dia	# of Holes	Weld Neck	Blind
	O	C	C	R	X	B	Y	A		-1	-2			
26	30	1.25	1.25	27.75	26.62	To be specified by Purchaser.	2.25	26.06	28.5	4.5	0.75	36	80	255
28	32	1.25	1.25	29.75	28.62		2.38	28.06	30.5	4.5	0.75	40	85	290
30	34	1.25	1.25	31.75	30.62		2.5	30.06	32.5	4.5	0.75	44	90	330
32	36	1.32	1.38	33.75	32.62		2.69	32.06	34.5	4.75	0.75	48	105	390
34	38	1.32	1.44	35.75	34.62		2.82	34.06	36.5	4.75	0.75	52	110	430
36	40.69	1.38	1.61	38	36.81		3.32	36.06	39.06	5.25	0.88	40	145	518
38	42.69	1.44	1.69	40	38.81		3.44	38.06	41.06	5.5	0.88	40	160	595
40	44.69	1.44	1.69	42	40.81		3.57	40.06	43.06	5.5	0.88	44	170	760
42	46.69	1.5	1.82	44	42.81		3.69	42.06	45.06	5.5	0.88	48	185	895
44	49.25	1.63	1.88	46.25	44.88		4.07	44.06	47.38	6	1	36	230	1065
46	51.25	1.69	1.94	48.25	46.88		4.19	46.06	49.38	6.25	1	40	245	1185
48	53.25	1.75	2.07	50.25	48.88		4.32	48.06	51.38	6.5	1	44	270	1315
50	55.25	1.82	2.13	52.25	50.94		4.5	50.06	53.38	6.5	1	44	290	1505
52	57.38	1.82	2.19	54.25	52.94		4.69	52.06	55.5	6.75	1	48	310	1665
54	59.38	1.88	2.32	56.25	55		4.88	54.06	57.5	6.75	1	48	340	1840
56	62	1.94	2.38	58.5	57.12		5.25	56.06	59.88	7.25	1.12	40	400	2110
58	64	2	2.44	60.5	59.12		5.38	58.06	61.88	7.25	1.12	44	430	2300
60	66	2.13	2.57	62.5	61.12		5.63	60.06	63.88	7.75	1.12	44	475	2500

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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