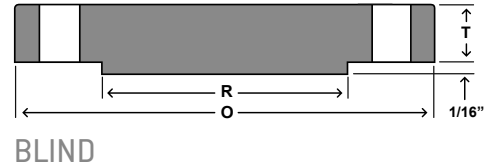
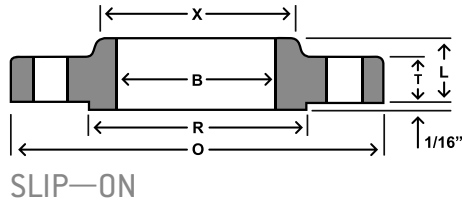


# Industry Standard Class 75 Slip—On & Blind



Nom Size	Thickness							Drilling				Weight	
	OD	Slip On	Blind	OD of RF	Dia at Base	Bore <sup>a</sup>	LTH	Bolt Circle	Bolt Length <sup>b</sup>	Hole Dia <sup>c</sup>	# of Holes	Slip On	Blind
	O	T	T	R	X	B	L						
26	33.00	1.25	1.25	30.00	28.50	26.25	2.25	31.00	5.00	1.00	32	120	290
28	35.00	1.25	1.38	32.00	30.50	28.25	2.25	33.00	5.25	1.00	36	140	360
30	37.00	1.25	1.38	34.00	32.50	30.25	2.25	35.00	5.25	1.00	36	150	405
32	39.50	1.25	1.50	36.25	34.63	32.25	2.50	37.38	5.50	1.13	40	170	500
34	41.50	1.25	1.63	38.25	36.63	34.25	2.50	39.38	5.75	1.13	40	180	600
36	43.50	1.25	1.63	40.25	38.63	36.25	2.50	41.38	5.75	1.13	44	190	660
42	50.00	1.25	1.88	46.50	44.75	42.25	2.75	47.75	6.25	1.25	48	235	1000
48	56.00	1.25	2.13	52.50	50.75	48.25	2.88	53.75	6.50	1.25	56	270	1450
54	62.50	1.38	2.38	59.00	57.25	54.25	3.13	60.25	6.75	1.25	68	335	2000
60	68.50	1.63	2.63	65.00	63.25	60.25	3.63	66.25	7.25	1.25	72	450	2675
66	75.50	1.75	2.88	71.63	69.50	66.25	4.00	73.00	8.00	1.38	72	590	3550
72	81.50	2.00	3.13	77.63	75.50	72.25	4.50	79.00	8.50	1.38	80	730	4500

***DIMENSIONS ARE IN INCHES / WEIGHTS ARE IN POUNDS***

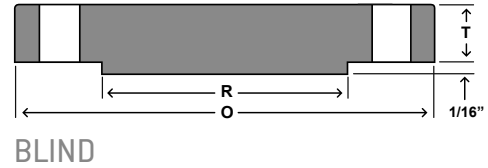
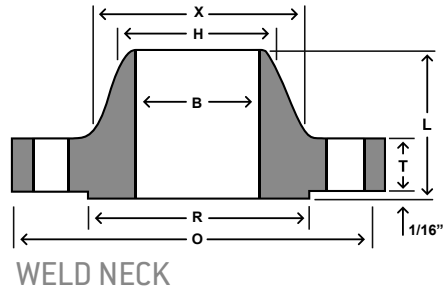
**NOTES: LARGER SIZES AS WELL AS INTERMEDIATE SIZES CAN BE FURNISHED. WHEN ORDERING INDUSTRY STANDARD CLASS 75 BLINDS SPECIFY IF THEY ARE TO BE USED WITH WELD NECK OR SLIP—ON FLANGES AS THE BLINDS DIFFER BETWEEN THE TWO.**

(A) Bores listed are most common. They can be specified by the customer where applicable

(B) Bolt lengths are calculated based on bolting one slip—on to one blind. Any other bolting combination will cause variance in bolt length

(C) Bolt hole diameter 1/8" larger than bolt diameter

# Industry Standard Class 75 Weld Neck & Blind



Nom Size	Thickness								Drilling				Weight	
	OD	Weld Neck	Blind	OD of RF	Dia at Base	Bore	LTH	Dia Bevel	Bolt Circle	Bolt Length <sup>a</sup>	Hole Dia <sup>b</sup>	# of Holes	Weld Neck	Blind
	O	T	T	R	X	B	L	H						
26	31.50	1.15	1.25	28.63	27.13		3.00		29.63	5.00	1.00	32	98	265
28	33.50	1.25	1.25	30.63	29.13		3.00		31.63	5.00	1.00	36	105	300
30	35.50	1.25	1.38	32.63	31.13		3.00		33.63	5.25	1.00	36	110	370
32	38.25	1.25	1.50	35.00	33.38		3.25		36.16	5.50	1.13	36	140	470
34	40.25	1.25	1.50	37.00	35.38		3.25		38.13	5.50	1.13	40	150	520
36	42.25	1.25	1.63	39.00	37.38		3.25		40.13	5.75	1.13	40	160	620
42	49.00	1.25	1.88	45.50	43.75		3.50		46.75	6.25	1.25	48	210	970
48	55.00	1.25	2.13	51.50	49.75		3.75		52.75	6.50	1.25	52	240	1375
54	61.25	1.38	2.38	57.75	56.00		4.00		59.00	6.75	1.25	64	310	1925
60	67.25	1.63	2.63	63.75	62.00		4.38		65.00	7.25	1.25	72	400	2575
66	74.00	1.88	2.88	70.13	68.00		4.88		71.50	8.00	1.38	72	560	3400
72	80.00	2.25	3.13	76.13	74.00		5.25		77.50	8.75	1.38	80	700	4350

To be specified by Purchaser.

To be determined by design requirements.

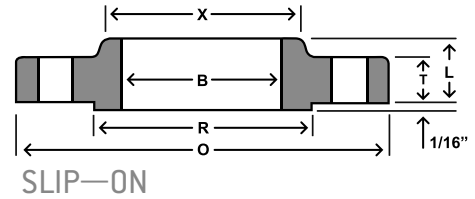
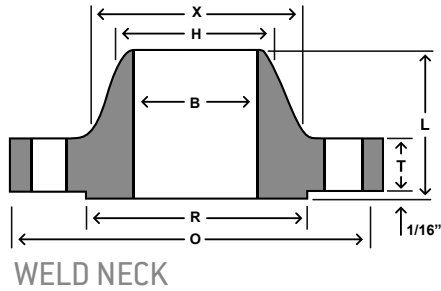
**DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS**

NOTES: LARGER SIZES AS WELL AS INTERMEDIATE SIZES CAN BE FURNISHED. WHEN ORDERING INDUSTRY STANDARD CLASS 75 BLINDS SPECIFY IF THEY ARE TO BE USED WITH WELD NECK OR SLIP—ON FLANGES AS THE BLINDS DIFFER BETWEEN THE TWO.

(A) Bolt lengths are calculated based on bolting one slip—on to one blind. Any other bolting combination will cause variance in bolt length

(B) Bolt hole diameter 1/8" larger than bolt diameter

# Industry Standard Class 175



Nom Size	Thickness				OD of RF	Dia at Base	Bore		LTH		Dia Bevel
	OD	Weld Neck	Slip-On	Blind			Weld Neck	Slip-On	Weld Neck	Slip-On	
	O	T	T				B	B	L	L	
26	31.50	1.38	1.38	1.78	29.00	27.63		26.25	3.38	2.75	
28	33.50	1.38	1.38	2.00	31.00	29.63		28.25	3.38	2.75	
30	35.75	1.38	1.38	2.13	33.25	31.88		30.25	3.63	2.75	
32	37.75	1.38	1.38	2.25	35.25	33.88		32.25	3.63	2.75	
34	40.25	1.50	1.75	2.38	37.38	35.88		34.25	3.75	3.38	
36	42.25	1.50	1.75	2.50	39.38	37.88		36.25	3.75	3.38	
38	44.25	1.75	2.00	2.63	41.38	39.88		38.25	4.13	3.75	
40	46.25	1.75	2.00	2.75	43.38	41.88		40.25	4.13	4.00	
42	49.00	2.00	2.38	2.88	45.75	44.13		42.25	4.50	4.38	
44	51.00	2.00	2.38	3.00	47.75	46.13		44.25	4.50	4.38	
46	53.00	2.00	2.38	3.13	49.75	48.13		46.25	4.50	4.63	
48	55.00	2.25	2.63	3.38	51.75	50.13		48.25	4.88	4.88	
50	57.00	2.25	2.63	3.38	53.75	52.13		50.25	4.88	4.88	
52	59.50	2.63	3.00	3.63	56.00	54.25		52.25	5.38	5.38	
54	61.50	2.63	3.00	3.63	58.00	56.25		54.25	5.38	5.38	
60	67.50	2.75	3.13	4.00	64.00	62.25		60.25	5.75	5.88	
66	73.50	3.13	4.00	4.38	70.00	68.50		66.25	6.13	6.88	
72	80.00	3.63	5.00	4.75	76.50	74.50		72.25	6.63	8.00	
84	94.00	3.00	5.00	5.50	90.13	88.00		84.25	7.00	8.50	
96	106.00	3.50	5.00	6.12	102.13	100.00		96.25	7.50	9.00	

To be specified by purchaser.

To be established by design requirements.

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

# Industry Standard Class 175

CONT.

Nom Size	Drilling				Weight		
	Bolt Circle	Bolt Length <sup>a</sup>	Hole Dia <sup>b</sup>	# of Holes	Weld Neck	Slip On	Blind
26	29.88	5.50	0.88	28	120	105	405
28	31.88	5.75	0.88	28	130	115	490
30	34.13	5.75	0.88	36	150	130	590
32	36.13	6.00	0.88	36	160	140	700
34	38.38	6.75	1.00	36	195	200	840
36	40.38	6.75	1.00	36	205	210	970
38	42.38	7.25	1.00	36	245	250	1125
40	44.38	7.25	1.00	40	255	270	1300
42	46.88	8.00	1.13	40	340	365	1500
44	48.88	8.25	1.13	40	360	380	1700
46	50.88	8.25	1.13	40	375	410	1925
48	52.88	8.75	1.13	44	430	460	2225
50	54.88	8.75	1.13	44	450	480	2400
52	57.25	9.75	1.25	44	560	600	2800
54	59.25	9.75	1.25	44	580	620	3000
60	65.25	10.25	1.25	48	680	730	4000
66	71.25	11.50	1.25	56	830	1000	5175
72	77.75	12.75	1.25	64	1075	1400	6650
84	91.5	13.75	1.38	72	1550	2250	-
96	103.5	14.25	1.38	88	1950	2600	-

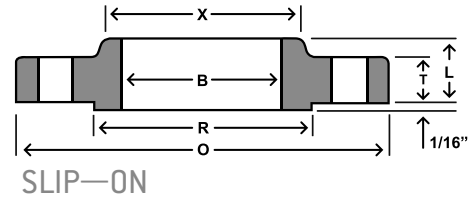
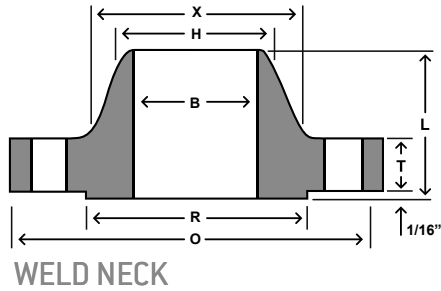
***DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS***

**NOTES: SIZES ARE NOMINAL INSIDE DIAMETERS OF PIPE OR SHELL USED WITH WELDING NECK FLANGES, AND NOMINAL OD OF PIPE OR SHELL USED WITH SLIP—ON FLANGES. LARGER SIZES AS WELL AS INTERMEDIATE SIZES CAN BE FURNISHED.**

**(A)** Bolt lengths are calculated based on bolting one slip—on to one blind. Any other bolting combination will cause variance in bolt length

**(B)** Bolt hole diameter 1/8" larger than bolt diameter

# Industry Standard Class 350



Nom Size	Thickness				OD of RF	Dia at Base	Bore		LTH		Dia Bevel
	OD	Weld Neck	Slip-On	Blind			Weld Neck	Slip-On	Weld Neck	Slip-On	
	O	T	T				B	B	L	L	
26	32.75	2.50	2.50	2.75	29.50	27.88		26.25	5.00	4.50	
28	34.75	2.50	2.50	2.88	31.50	29.88		28.25	5.00	4.50	
30	37.00	2.63	2.63	3.00	33.75	32.13		30.25	5.25	4.75	
32	39.00	2.75	2.75	3.25	35.75	34.13		32.25	5.50	5.00	
34	41.00	2.88	2.88	3.38	37.75	36.13		34.25	5.75	5.13	
36	43.75	3.13	3.13	3.63	40.25	38.50		36.25	6.13	5.63	
38	45.75	3.13	3.13	3.75	42.25	40.50		38.25	6.13	5.63	
40	47.75	3.25	3.25	4.00	44.25	42.50		40.25	6.25	5.88	
42	50.00	3.50	3.50	4.13	46.50	44.75		42.25	6.50	6.13	
44	52.75	3.75	3.75	4.38	48.88	46.75		44.25	6.75	6.75	
46	54.75	4.25	4.25	4.75	50.88	48.75		46.25	7.25	7.25	
48	56.75	4.25	4.25	4.75	52.88	50.75		48.25	7.25	7.25	
52	61.50	4.25	-	-	57.25	55.00		52.25	7.50	-	
54	63.50	4.50	4.75	-	59.25	57.00		54.25	7.75	8.25	
60	69.50	4.50	5.00	-	65.25	63.00		60.25	8.00	8.50	
66	77.00	4.00	-	-	72.38	70.00		66.25	8.50	-	
72	83.00	4.00	-	-	78.38	76.00		72.25	9.00	-	

To be specified by purchaser.

To be established by design requirements.

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

# Industry Standard Class 350

CONT.

Nom Size	Drilling				Weight		
	Bolt Circle	Bolt Length <sup>a</sup>	Hole Dia <sup>b</sup>	# of Holes	Weld Neck	Slip On	Blind
26	30.63	8.00	1.13	28	245	225	580
28	32.63	8.25	1.13	28	260	250	750
30	34.88	8.50	1.13	32	305	295	890
32	36.88	8.75	1.13	36	340	325	1050
34	38.88	9.00	1.13	40	375	355	1225
36	41.50	9.75	1.25	40	480	465	1500
38	43.50	10.00	1.25	40	510	490	1700
40	45.50	10.25	1.25	44	540	530	1975
42	47.75	10.75	1.25	48	640	620	2225
44	50.25	11.50	1.38	44	760	760	2625
46	52.25	12.25	1.38	48	880	880	2950
48	54.25	12.25	1.38	48	920	920	3300
52	58.75	-	1.50	52	1075	-	-
54	60.75	-	1.50	52	1200	1150	-
60	66.75	-	1.50	60	1325	1450	-
66	74.00	-	1.63	60	1675	-	-
72	80.00	-	1.63	72	1850	-	-

***DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS***

NOTES: SIZES ARE NOMINAL INSIDE DIAMETERS OF PIPE OR SHELL USED WITH WELDING NECK FLANGES, AND NOMINAL OD OF PIPE OR SHELL USED WITH SLIP—ON FLANGES. LARGER SIZES AS WELL AS INTERMEDIATE SIZES CAN BE FURNISHED.

(A) Bolt lengths are calculated based on bolting one slip—on to one blind. Any other bolting combination will cause variance in bolt length

(B) Bolt hole diameter 1/8" larger than bolt diameter