



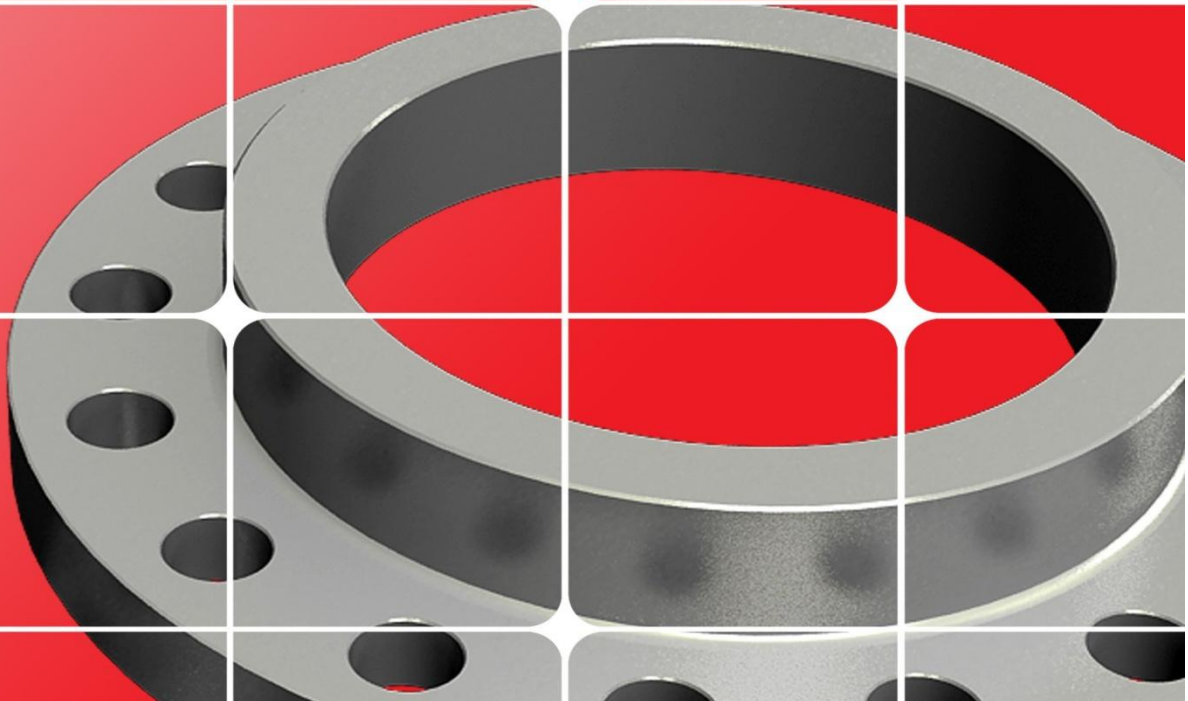
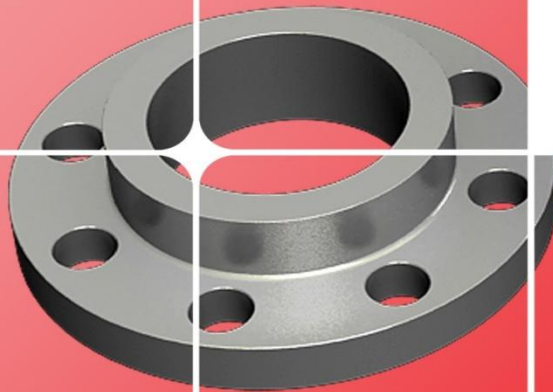
AXIS
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ANSI / ASME **B16.48** FLANGES

- **Spectacle Blind Flanges**



B16.48 Spectacle Blind Flanges Specifications

Flange Types:	Spectacle Blind Flange
Dimension Standards:	B16.48 Spectacle Blind Flange
Pressure Class:	300 LBS, 600 LBS, 900 LBS, 1500 LBS, 2500 LBS
Sizes:	1/2" NB to 24" NB (DN 12 – 600 mm)
Material	Carbon Steel, Stainless Steel, Alloy Steel, Nickle Alloy
Surface Treatment:	Anti-rust Paint, Oil Black Paint, Zinc Plated, Cold and Hot Dip Galvanized

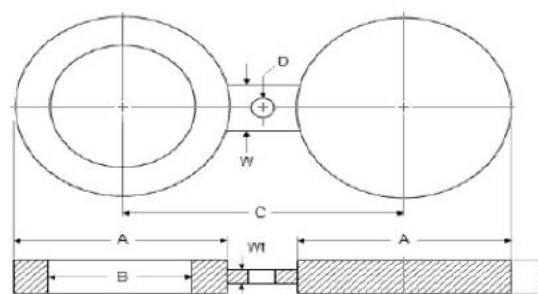
Industries and Applications

ASME / ANSI B 16.48 Spectacle blind flange is a special type of flange that looks like a spectacle and is used to open and close pipe lines. The ANSI B16.48 Spectacle Flange has a plate and a ring joint parallel to each other. The plate can close the pipe completely and the ring stays on the outer diameter of the pipe allowing for full flow of the fluids. The Spectacle Blind Flange ASME B16.48 is used in systems that need regular opening and closing of the pipe lines.

Industrial pumps and manufacturing systems
 Food and beverage processing
 Nuclear power plants
 Oil and gas drilling
 Petrochemical treatment and processing
 Chemical Industry

ANSI/ASME B16.48 Spectacle Blind Flange Class / Types

Class 150 Spectacle Blind Flange	Class 300 Spectacle Blind Flange
Class 600 Spectacle Blind Flange	Class 900 Spectacle Blind Flange
Class 1500 Spectacle Blind Flange	Class 2500 Spectacle Blind Flange


B16.48 Spectacle Blind Flange

B16.48 Spectacle Blind Flange
ASME-ANSI B16.48 Class 150 Spectacle Blind Flanges Dimensions

Nominal Pipe Size	O.D.	I.D.	Centre Line	Thickness	Web Width
inch	A	B	C	t	W
½"	45	16	60	3	38
¾"	54	21	70	3	38
1"	64	27	80	3	38
1-¼"	73	42	90	6.4	38
1-½"	83	48	100	6.4	38
2"	102	61	120	6.4	51
2-½"	107	73	140	6.4	51
3"	133	89	150	6.4	64
3-½"	159	102	175	9.7	64
4"	172	114	190	9.7	64
5"	194	141	215	9.7	76
6"	219	168	240	12.7	76
8"	276	219	300	12.7	76
10"	337	273	360	15.7	102
12"	406	324	430	19.1	102
14"	448	356	475	19.1	108
16"	511	406	460	22.4	108
18"	546	457	580	25.4	114
20"	603	508	635	28.4	121
24"	714	610	750	31.8	140
* Dimensions are in mm					

ASME-ANSI B16.48 Class 300 Spectacle Blind Flanges Dimensions					
Nominal Pipe Size	O.D.	I.D.	Centre Line	Thickness	Web Width
inch	A	B	C	t	W
½"	51	16	65	6.4	38
¾"	64	21	80	6.4	38
1"	70	27	90	6.4	38
1-¼"	79	42	100	6.4	38
1-½"	92	48	115	6.4	38
2"	108	61	125	9.7	51
2-½"	127	73	150	9.7	51
3"	146	89	170	9.7	64
3-½"	162	102	185	12.7	64
4"	178	114	200	12.7	64
5"	213	141	235	15.7	76
6"	248	168	270	15.7	76
8"	305	219	330	22.4	76
10"	359	273	385	25.4	102
12"	419	324	450	28.4	102
14"	483	356	515	31.8	108
16"	536	406	570	38.1	108

18"	594	457	630	41.1	114
20"	651	508	685	44.5	121
24"	772	610	810	50.8	140
* Dimensions are in mm					

ASME-ANSI B16.48 Class 600 Spectacle Blind Flanges Dimensions					
Nominal Pipe Size	O.D.	I.D.	Centre Line	Thickness	Web Width
inch	A	B	C	t	W
½"	51	16	65	6.4	38
¾"	64	21	80	6.4	38
1"	70	27	90	6.4	57
1-¼"	79	37	100	9.7	57
1-½"	92	43	115	9.7	67
2"	108	55	125	9.7	57
2-½"	127	67	150	12.7	67
3"	146	83	170	12.7	67
3-½"	159	96	185	15.7	76
4"	191	108	215	15.7	76
5"	238	135	265	19.1	86
6"	264	162	290	22.4	86
8"	318	212	350	28.4	95
10"	397	265	430	35.1	105
12"	454	315	490	41.1	105
14"	489	346	525	44.5	114
16"	562	397	605	50.8	124
18"	610	448	655	53.8	133
20"	679	497	725	63.5	133
24"	787	597	840	73.2	152
* Dimensions are in mm					

ASME-ANSI B16.48 Class 900 Spectacle Blind Flanges Dimensions					
Nominal Pipe Size	O.D.	I.D.	Centre Line	Thickness	Web Width
inch	A	B	C	t	W
½"	60	16	80	6.4	38
¾"	67	21	90	6.4	41
1"	76	27	100	6.4	57
1-¼"	86	37	110	9.7	57
1-½"	95	43	125	9.7	67
2"	140	55	165	12.7	57
2-½"	162	67	190	12.7	67
3"	165	83	190	15.7	67
4"	203	108	235	19.1	76
5"	244	135	280	22.4	86
6"	286	162	320	25.4	86

8"	356	212	395	35.1	95
10"	432	265	470	41.1	105
12"	495	315	535	47.8	105
14"	518	346	560	53.8	114
16"	572	397	615	60.5	124
18"	635	448	685	66.5	133
20"	696	497	750	73.2	133
24"	835	597	900	88.9	152
* Dimensions are in mm					

ASME-ANSI B16.48 Class 1500 Spectacle Blind Flanges Dimensions					
Nominal Pipe Size	O.D.	I.D.	Centre Line	Thickness	Web Width
inch	A	B	C	t	W
½"	61	16	80	6.4	38
¾"	67	21	90	9.7	41
1"	76	27	100	9.7	64
1-¼"	86	35	110	9.7	64
1-½"	95	41	125	12.7	70
2"	140	53	165	12.7	70
2-½"	162	63	190	15.7	76
3"	172	78	205	19.1	76
4"	206	102	240	22.4	89
5"	251	128	290	28.4	89
6"	279	154	320	35.1	89
8"	349	203	395	41.1	102
10"	432	255	480	50.8	114
12"	518	303	570	60.5	114
14"	575	333	635	66.5	127
16"	638	381	705	76.2	133
18"	702	429	775	85.9	146
20"	752	478	830	95.3	152
24"	899	575	990	111.3	178
* Dimensions are in mm					

ASME-ANSI B16.48 Class 2500 Spectacle Blind Flanges Dimensions					
Nominal Pipe Size	O.D.	I.D.	Centre Line	Thickness	Web Width
inch	A	B	C	t	W
½"	67	16	90	9.7	38
¾"	73	21	95	9.7	41
1"	83	27	110	9.7	64
1-¼"	102	35	130	12.7	64
1-½"	114	41	145	15.7	70
2"	143	53	170	15.7	70
2-½"	165	63	195	19.1	76

3"	194	78	230	22.4	76
4"	232	102	275	28.4	89
5"	276	128	325	35.1	89
6"	314	154	370	41.1	89
8"	384	198	440	53.8	102
10"	473	248	540	66.5	114
12"	546	289	620	79.2	114

* Dimensions are in mm