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DIMENSIONAL STANDARD · ASME B16.48

ASME B16.48 Spectacle Blind Dimensions (Figure-8)

ASME B16.48 spectacle blind (figure-8 blank) dimensions for Class 150, 300 and 600 RF: OD, ID, centre line, thickness and web width in mm.

This chart gives **ASME B16.48 spectacle blind** (figure-8 blank) dimensions in millimetres for raised-face Class 150, 300 and 600 flanges — outside and inside diameter, centre-to-centre distance, thickness and web width. A spectacle blind is fitted between two flanges to positively isolate a line: the solid end blocks flow, the ring end lets it through.

Teshi Group manufactures spectacle blinds, spades and ring spacers in India in carbon, low-temperature, alloy, stainless and duplex steel.

- **A** Outside diameter of blank and ring
- **B** Inside diameter of the ring (spacer) end
- **C** Centre line distance between blank and ring
- **t** Thickness
- **W** Web (tie bar) width

Spectacle blind, RF — Class 150 (mm)

NPS	A Outside dia · mm	B Inside dia · mm	C Centre line · mm	t Thickness · mm	W Web width · mm
1/2"	45	16	60	3	38
3/4"	54	21	70	3	38
1"	64	27	80	3	38
1 1/2"	83	48	100	6.4	38
2"	102	61	120	6.4	51
3"	133	89	150	6.4	64
4"	172	114	190	9.7	64
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

Spectacle blind, RF — Class 300 (mm)

NPS	A Outside dia · mm	B Inside dia · mm	C Centre line · mm	t Thickness · mm	W Web width · mm
1/2"	51	16	65	6.4	38
3/4"	64	21	80	6.4	38

NPS	A Outside dia · mm	B Inside dia · mm	C Centre line · mm	t Thickness · mm	W Web width · mm
1"	70	27	90	6.4	38
1 1/2"	92	48	115	6.4	38
2"	108	61	125	9.7	51
3"	146	89	170	9.7	64
4"	178	114	200	12.7	64
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

Spectacle blind, RF — Class 600 (mm)

NPS	A Outside dia · mm	B Inside dia · mm	C Centre line · mm	t Thickness · mm	W Web width · mm
1/2"	51	16	65	6.4	38
3/4"	64	21	80	6.4	38
1"	70	27	90	6.4	57
1 1/2"	92	43	115	9.7	67
2"	108	55	125	9.7	57
3"	146	83	170	12.7	67
4"	191	108	215	15.7	76
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

Notes

- All dimensions are in millimetres.
- Web (tie bar) thickness: 6 mm minimum, or equal to t if t is less than 6 mm.
- Reference values for estimation and checking. Verify against the current edition of the standard and the purchase specification before design, purchase or fabrication.

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions. Online version: https://teshigroup.com/dimensional-standards/asme-b16-48-spectacle-blind-dimensions/