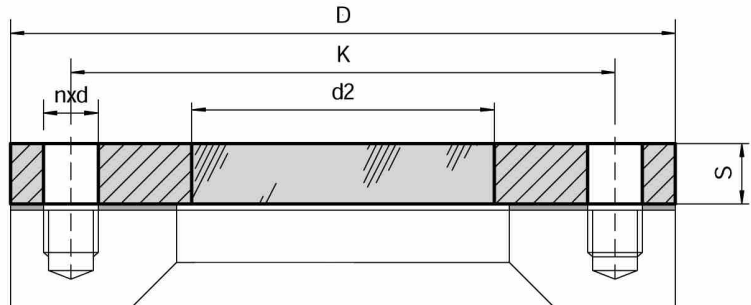


**Type 13**

**METAGLAS® Bolt-on Sight Glasses to ANSI B16.5**



**For**

- Flat face ANSI mating flange

**Operating conditions**

- Pressure: PN20 to PN50, higher pressures possible
- Temperature: see table

**Important**

- Requires parallel flat face mounting flange and full gasket

**Technical data**

- Directive for pressure equipment 97/23/EG 02/98, Module H (DIN/EN/ISO 9001)
- AD2000 Standards W0/TRD 100
- Sight glass fused to metal conforming to DIN 7079
- Materials to VdTÜV specifications and the DIN/EN designated standards
- Glass: Borosilicate to DIN 7080

**Advantages**

- Reliability against total failure. The possibility of unexpected rupture is excluded
- Long working life
- Smooth easy clean surface
- Maximum viewing
- Minimum buildheight

**Material certificates**

- Certificate of Conformity to EN 10204-3.1B

**Ring materials**

**Operating temp.**

Carbon Steel (1.0570)	-10°C to +300°C
Dupl. Stainl. Steel (1.4462)	-30°C to +280°C
Hastelloy C-22 (2.4602)	-60°C to +300°C
Hastelloy C-4 (2.4610)	-60°C to +300°C

**PN20 Flange**

150 lbs /sq.in.	Size	D	K	S	Glass		Mounting holes		Gasket
					D2	n	d		
	1½"	127,0	98,6	16	40	4	15,7	127,0x41x2	
	2"	152,4	120,7	20	50	4	19,1	152,4x53x2	
	2½"	177,8	139,7	20	60	4	19,1	177,8x63x2	
	3"	190,5	152,4	20	75	4	19,1	190,5x90x2	
	4"	228,6	190,5	20	100	8	19,1	228,6x103x2	
	6"	279,4	241,3	25	140	8	22,4	279,4x154x2	
	8"	342,9	298,5	25	160	8	22,4	342,9x203x2	

**PN50 Flange**

300 lbs /sq.in.	Size	D	K	S	Glass		Mounting holes		Gasket
					D2	n	d		
	1½"	155,4	114,3	26	40	4	22,3	155,4x41x2	
	2"	165,1	127,0	28	50	8	19,0	165,1x53x2	
	2½"	190,5	149,3	30	60	8	22,3	190,5x63x2	
	3"	209,5	168,1	32	70	8	22,3	209,5x78x2	
	4"	254,0	200,1	36	100	8	22,3	254,0x103x2	