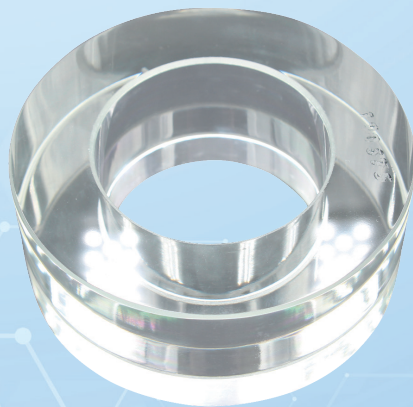




APPLICATION:

For observation of filling and flow in pipelines. The sight glass provides reliable 360° monitoring of the function and performance of individual devices as well as entire systems. Tubular sight glasses type 640 are suitable for mounting between flanges according to DIN 1092-1 PN16. The sight glass is free of dead space when mounted properly.

INSTALLATION NOTE:

Gaskets suitable for the sealing surfaces should be used. The screw material should be equivalent or higher than those of the sight glass body. If possible, the screw thread and the screw head should be lubricated.

Tubular sight glasses must be installed in such a way to prevent pipe forces (tension, pressure and torsion), vibrations and pressure shocks from affecting the glass!

**Intermediate flange
design for flanges
acc. to DIN 1092-1
($\Delta P \leq 16$ bar)**

Operating conditions:

Temperature: (depending on glass material)	80 °C Acrylic glass 280 °C Borosilicate glass	
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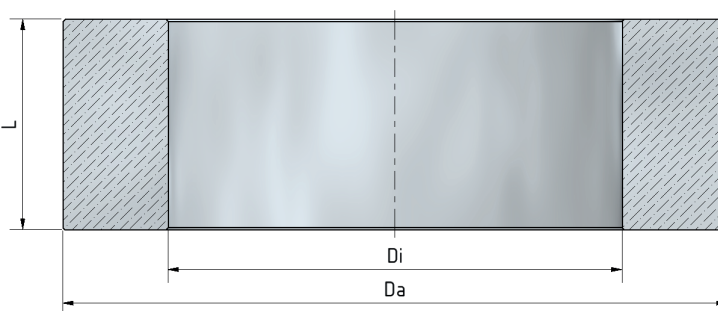
Pressure:	$\leq 16^1$	Bar
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¹ higher see Type 641

Materials:

Glass tube:	Borosilicate glass hardend Acrylic glass
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Special materials on request



DN	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
DI	14	18	22	29	38	44	55	71	83	108	132	160	208	260	310	341	392	443	494
DA	40	45	58	68	79	88	102	122	138	158	188	212	268	320	378	430	482	532	585
Wt. ^{2,4}	0,13	0,16	0,27	0,36	0,46	0,56	0,71	0,94	1,16	1,27	1,71	1,85	2,73	3,28	4,41	6,2	7,1	7,8	8,9
PN ²	16	16	16	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10	10
PN ³	16	16	16	16	16	16	16	16	10	10	10	8	8	8	6	6	6	6	6

²Borosilicate glass ³Acrylic glass ⁴Weight in [kg]

Other materials, sizes, lengths and flange standards on request.

PRODUCTCODE:

Group	TYPE	DN	Glass tube	Overall length	Special options
11	640	10	1: Acrylic glass	100: 100 mm (only acrylic)	Assigned by ACI on demand
		15	2: Borosilicate glass hardened	050: 50 mm (Standard)	
		20	6: Special	030: 30 mm	
		25			
		32			
		40			
		50			
		65			
		80			
		100			
		125			
		150			
		200			
		250			
		300			
		350			
		400			
		450			
		500			
		Special			

INFO: Unless otherwise stated, the highlighted factory standard is supplied.

SPECIAL DESIGNS/OPTIONS:

- a) High pressure version (Type 641 PN 25 / 40)
- b) ASME 16 B variant (Type 640A)
- c) Incl. flanges, screws, nuts and gaskets

ASSEMBLY EXAMPLE:



NOTE:

Delivery is without screws, gaskets and flanges

HIGHER OPERATING PRESSURES:

In individual cases, higher operating pressures than those specified may be possible. Please contact us if necessary.

EXAMPLE:

11-640-200-2-050-000 is equivalent to:

ACI Type 640

DN200

borosilicate glass hardened

