

Sight glass fitting rectangular TYPE BS03



description:

Sight flow indicators are used for observation and to illuminate of optical control fluids and gases. E.g. tanks, silos, boilers...

features:

- suitable for neutral and non-neutral **liquids and gaseous media**.
- with borosilicate glass DIN 7080
- Delivery includes: Base- & cover flange, glass & sealing
- High quality stainless steel

Connection:

Length: 170, 220, 250, 310, 370, 500, 620, 740, 930

Design:

rectangular

Pressure:

max. 16 bar

Design:

Material base-flange:

Material cover-flange:

Seal*:

Glass*:

Screws:

Delivery includes:

to be welded directly to tank

stainless steel 1.4571

stainless steel 1.4571

C4400 (max. 175°C)

PTFE (max. 200°C)

Graphit (max. 280°C)

borosilicate glass DIN 7081 (max. 280°C)

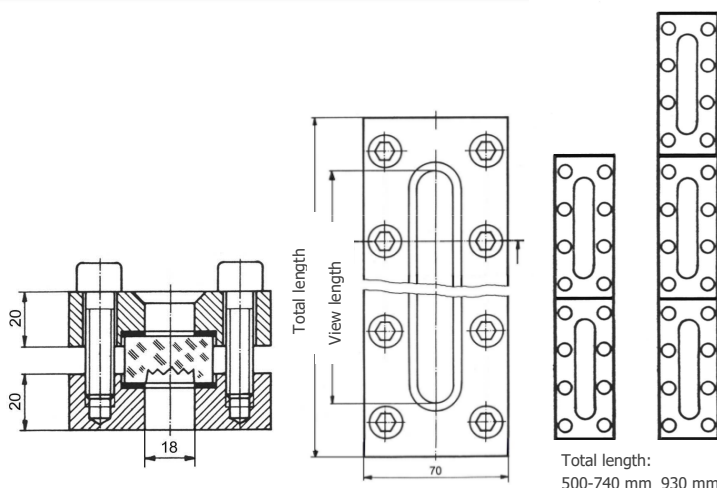
A4-70

Base- & cover flange, glass & sealings

***Important:** Please note that the maximum temperature resistance of the complete sight glass assembly always depends on the glass, the gasket and if applicable, the PTFE wiper. Example: Borosilicate glass (up to 280 °C) and a PTFE gasket (up to 200 °C) result in the entire sight glass having a temperature resistance of 200 °C.

Dimensions:

Total length	view length	glass length Lx34x17	screws Stk.	weight kg
170	124	140	8	3,2
220	174	190	10	4,0
250	204	220	12	4,6
310	264	280	14	5,6
370	324	340	16	6,6
500	454	220	24	9,1
620	574	280	28	11,1
740	694	340	32	13,2
930	884	280	42	16,7



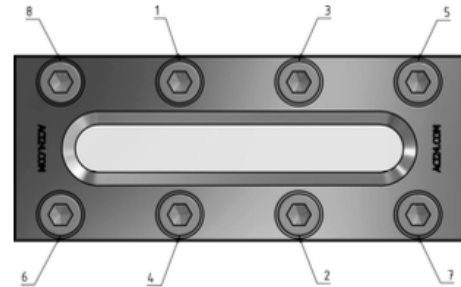
Torque table for screws:

Tighten all screws in several small steps and crosswise. The specified torques are starting values. The torque required for sealing under operation conditions may be higher so that the sight glass gland must be retightened. If sufficient tightness is not achieved with the listed torques they should be increased in steps of approx. 5%.

All screws must have exactly the same tightening torque to avoid glass distortion and breakage!

Total length	170	220	250	310	370	500	620	740	930
minimal torque in Nm for Gasket C4400 and PTFE	15	16	16	17	18	16	17	18	17
minimal torque in Nm for Gasket graphit	8	8	8	9	9	8	9	9	9

Sequence for tightening the sight glass fitting:



Options (on request):

- Other lenght / sizes
- higher temperatures
- gaskets made of FKM, NBR, Silicone and EPDM
- special materials
- Mica protection (highly recommended for aggressive media or steam!)
- Vacuum design

Article number:

Type	Glass	Version	Gasket	Size
BS03	00 – borosilicate glass	0 – Standard	0 – C4400 3 – PTFE 7 – Graphit	01 – 170mm 02 – 220mm 03 – 250mm 04 – 310mm 05 – 370mm 06 – 500mm 07 – 620mm 08 – 740mm 09 – 930mm

Example no. BS03000006:

BS03	00	0	0	06
-------------	-----------	----------	----------	-----------

Article no. BS03000006

Sight glass fitting rectangular

Glass: borosilicate glass

Version: Standard

Gasket: C4400

Size: 500mm

Image similar, subject change without notice.