Load data for oil level sight glasses
GN 743 / 743.1 / 743.2 / 743.3 / 743.4 / 743.5

OTTO GANTER GmbH & Co.KG

Internal pressure load

The specified values are valid for occurring internal pressure.

Size	11	14	18	24	32
Break load (2)	>100 bar	>100 bar	70 bar	50 bar	30 bar

ATTENTION: Generally the construction requires the consideration of an adequate safety coefficient. A common value of at least 4, in cases with demanding safety standards even more, has to be considered.
Abrupt pressure variations as well as temperture variations must be avoided. Also already fine injuries of the glass can lead to much lower break loads.

External pressure load

The specified values are valid for occurring external pressure. This pressure charges the plastic contrast screen of the oil level sight glass.

Size	11	14	18	24	32
Break load (2)	35 bar	35 bar	35 bar	30 bar	25 bar

ATTENTION: Generally the construction requires the consideration of an adequate safety coefficient. A common value of at least 4, in cases with demanding safety standards even more, has to be considered.
Abrupt pressure variations as well as temperture variations must be avoided. Also already fine injuries of the glass can lead to much lower break loads.

Tightening torque

Size	11	14	18	24	32
Redommended tightening torque (1)	10 Nm	15 Nm	20 Nm	30 Nm	30 Nm

ATTENTION: The thread sense must be orthogonal to the sealing surface (DIN 3852). The tightness can be limited in case the sealing surface is too rough.

(1) These tests were executed by Ganter under laboratory conditions.
(2) As a medium we used the standard hydraulic oil Fuchs MR 46 C. The pressure was generated by a hydraulic aggregate which could achieve a maximum pressure of 100 bar. The pressure was slowly increased and also decreased.