

Disc brakes

Technical data and dimensions

Caliper OSA

Fail safe braking
Braking by spring application
Electromagnetic release
Manual lining wear compensation
Detection of full lining wear
Opening proving switch

Operating conditions:

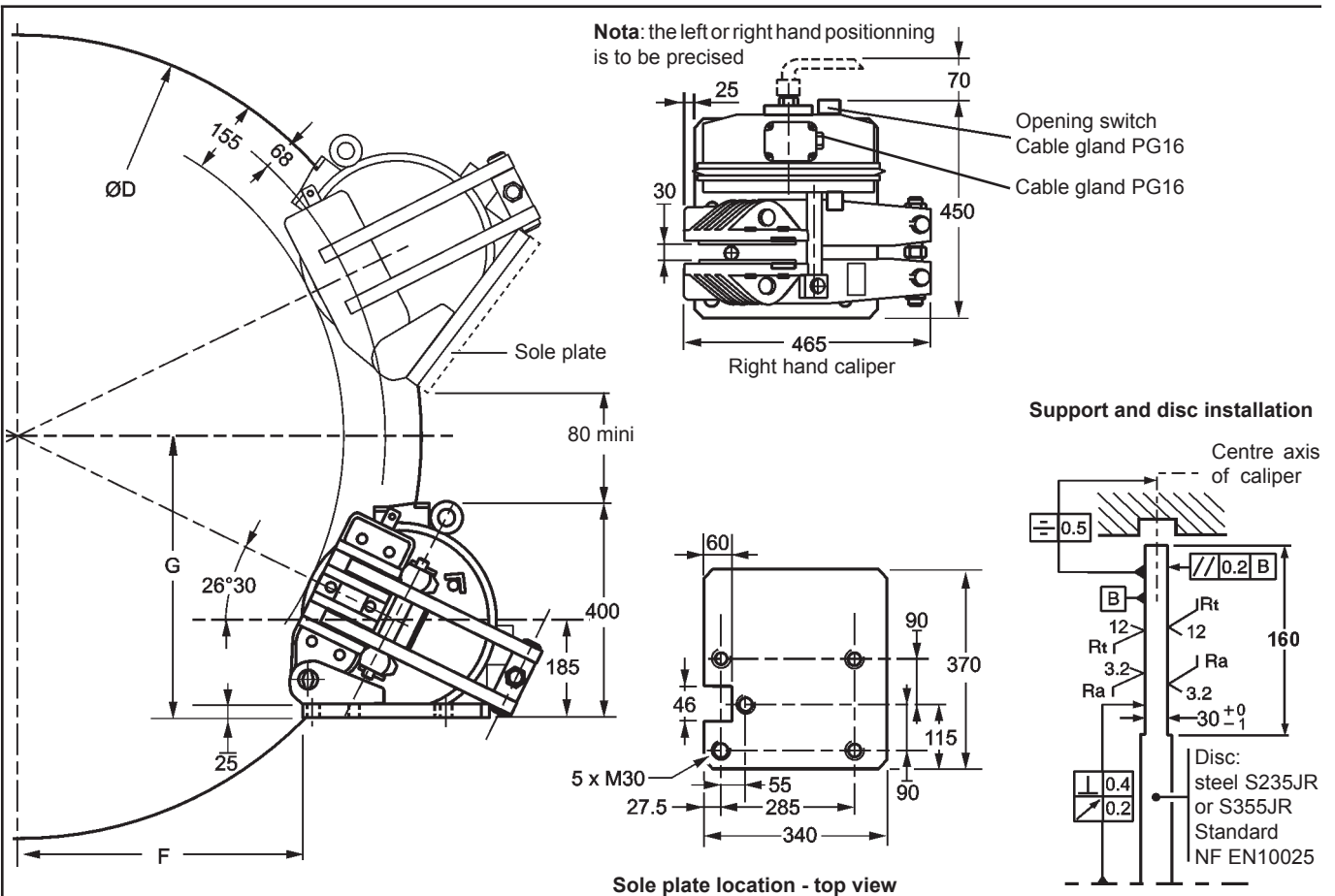
- Ambient temperature: -10°C to +60°C
 - Relative humidity ≤ 70%
 - Dust in atmosphere ≥ 65µ
- Other conditions, consult us.

Use:

The brake should be applied only in case of emergency stop, overspeed or shutdown of electric mains.

Options:

- Manual release lever
- Hydraulic release
- Load regulated lowering
- Flameproof protection
- Marine protection
- Mounting on a vertical axis disc



Designation	Caliper		OSA
	Lining *		US2-1
Braking force BF	Static	N	27 900
	Dynamic	N	31 000
Linear speed of the disc	m/s		≤ 10
Dynamic braking torque BT (N.m) for 1 caliper and disc ØD (mm)	1000 mm	N.m	13400
	1200 mm	N.m	16500
	1500 mm	N.m	21100
	2000 mm	N.m	28900
BT for other ØD (mm)	N.m		BT = BF (D/2000 - 0,068)
F	mm		F = (0,4475 × ØD) - 150
G	mm		G = 196 + (0,2231 × ØD)

Weight: 200 kg
Caliper response time at nominal torque $\Delta t \leq 0.17$ s
Force values are subject to a variation of ±10%.

Opening proving switch :

250VAC maxi., 5A maxi., with interrupting capacity : 50VA maxi
220VDC maxi., 5A maxi., with interrupting capacity : 50W maxi
Compatible with PLC (Programmable Logic Controllers).
An opening switch used with other equipment than PLC must not be reused with a PLC.

* **US2-1:** disc temperature during one braking ≤ 150°C
US2-5: disc temperature during one braking ≤ 350°C, optional, consult us.

Due to continuous development and improvement, all dimensions and characteristics are subject to change without notice.