Disc brake

Technical data and dimensions

Calipers 650 and 660

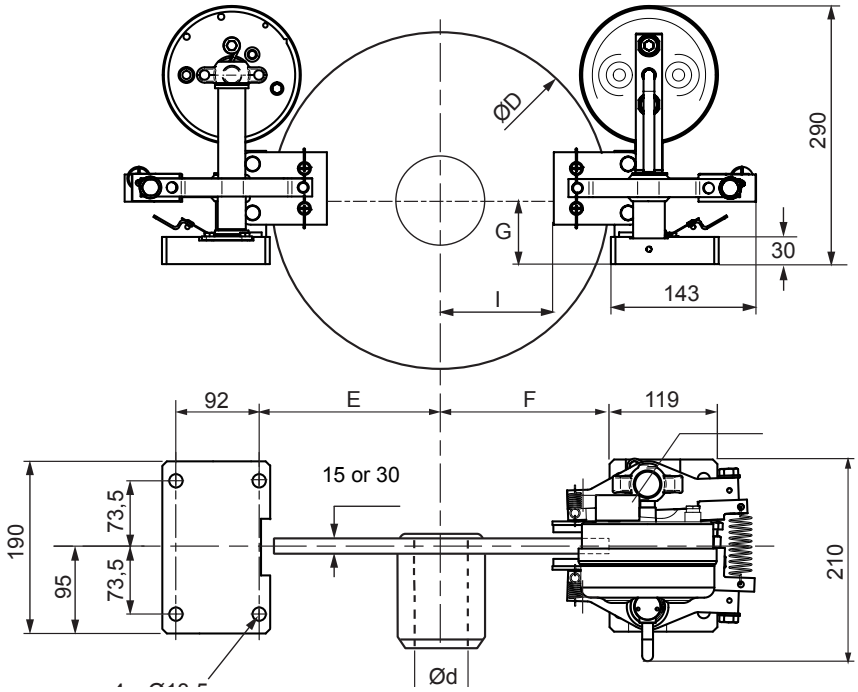
Fail safe braking
Spring application
Electromagnetic release
Manual lining wear compensation
Brake pads with wear indicator
Opening proving switch for PLC
With coil supply wire: 2 x 2mm², length 2m

Conditions of use:
- Ambiant temperature -10°C to +60°C
- Relative humidity ≤ 70%
- Dust in atmosphere ≥ 65µ

Other conditions, consult SIME-Stromag.

Use:
- Service brake for application ≤ 150 stops/h

Options:
- Lowering system with lever
- Hydraulic lowering system
- Mounting on vertical axis disc
- Marine protection
- Closing proving switch
- Manual release switch



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.

Opening switch with wire
3 x 0.75mm² and length 2m.

Weight: 19kg
Response time at nominal torque : see the leaflet of the associated electrical power supply.

Discs			Thickness 15 mm								Thickness 30 mm						
Maximum speed of the disc for nominal torque		tr/mn	5000	4300	3600	3000	2400	2100	1900	1800	1500	3000	2700	2400	2100	1900	1800	1500
D		mm	175	220	260	315	395	445	495	550	625	315	355	395	445	495	550	625
d		mm	0-40	0-55	0-75	0-75	0-75	0-75	0-100	0-100	0-100	0-50	0-60	0-70	0-70	0-100	0-100	0-100
E		mm	118	128	143	173	213	238	263	293	328	173	193	213	238	263	293	328
F		mm	106	116	131	161	201	226	251	281	316	161	181	201	226	251	281	316
G		mm	85	85	85	75	60	50	45	45	25	75	60	60	50	45	45	25
I (approx. dimension)		mm	43	53	68	98	138	163	188	218	253	98	118	138	163	188	218	253
Caliper 650 : Nominal torque for 1 caliper adjustable from 100% to 50%		N.m	110	130	150	190	260	300	350	390	460	190	220	260	300	350	390	460
Max. reaction on shaft	1 caliper	N	1600									1600						
	2 calipers	N	0			260	570	580	560	510	680	260	550	570	580	560	510	680
Caliper 660 : Nominal torque for 1 caliper adjustable from 100% to 60%		N.m	55	65	75	95	130	150	175	195	230	95	110	130	150	175	195	230
Max. reaction on shaft	1 caliper	N	800									800						
	2 calipers	N	0			130	285	290	280	255	340	130	275	285	290	280	255	340

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

Drawings	Leaflets No. G06400-01	Discs	Leaflets	No. T02100-01, T02160-01, T02220-01
Installation and maintenance	No. M08100-01	Power supplies AC64		No. T04500-01, T04560-01, T04510-01, T04500-02
Spare parts	No. S09100-01	Power supplies DC64		No.T04530-01, T04540-01
Options	No. A08100-01			

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T03150-01-G