

STROMAG 3CA2

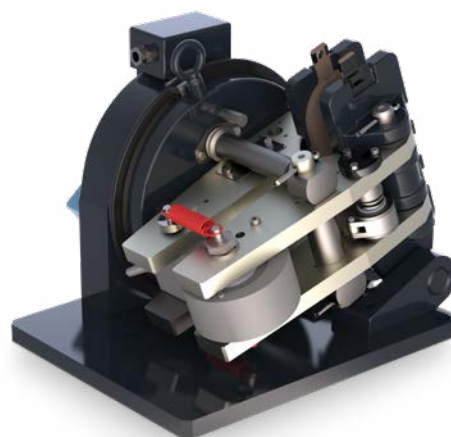
ELECTROMAGNETIC DISC BRAKES

SERVICE DISC BRAKE FOR HIGH PERFORMANCE BRAKING

The electromagnetic disc brake type 3CA2 belongs to the CA2 SIME Brakes range.

This fail-safe brake is spring-applied and electromagnetically released. It is equipped with an automatic wear compensation, ensuring a constant torque whatever the wear of the lining pads.

The CA2 disc brake range was initially designed to equip iron and steel cranes with heavy actuators, ensuring safety and reliability for dynamic braking. Today, these brakes meet the demands of high-performance braking, whatever the application and conditions.

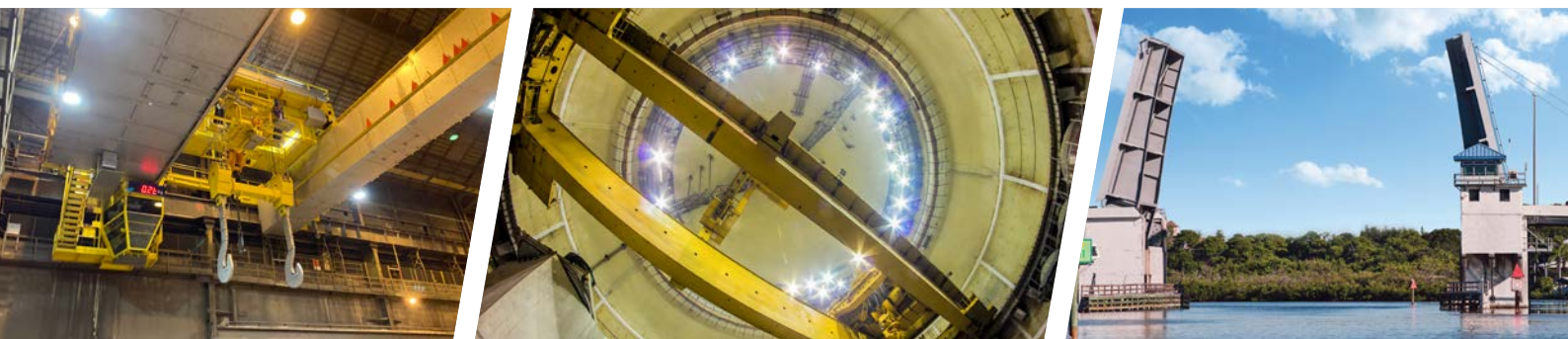


Benefits include

- Electromagnetic brake
- Designed for 4 million actuations
- Large clearance between disc and linings
- Automatic linings wear compensation
- Steady torque over lining life
- Easy pads replacement
- Opening proving switch
- Options : Mechanical lowering, hydraulic release, manual wear compensation, flameproof protection, ...

Applications

- Iron and Steel Industry
- Nuclear Cranes
- Bascule Bridge



3CA2 CALIPER

TECHNICAL DATA / DIMENSIONS

Revision number:T10050-01-D Revision date: 09.04.2019

- Fail-safe braking
- Braking by spring application
- Electromagnetic release
- Automatic wear compensation
- Opening proving switch
- Lining pads with wear indicator

Working conditions:

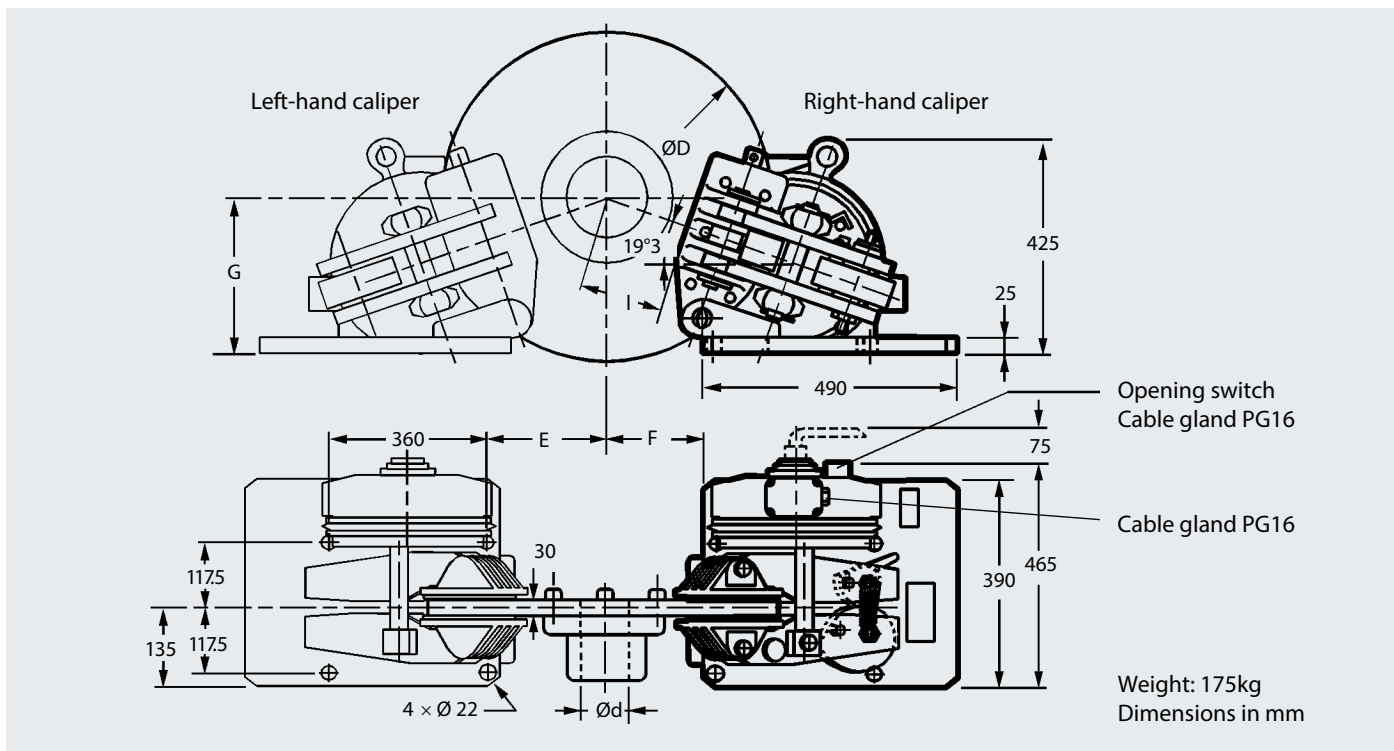
- Ambient temperature: -10°C to +60°C
- Relative humidity ≤ 70%
- Dust in atmosphere ≥ 65 µm
- Other conditions, consult Stromag.

Use:

- Any application up to 1000 act/h

Options:

- Manual release lever
- Hydraulic release
- Manual wear compensation
- Load regulated lowering
- Steelworks flameproof protection
- Marine protection
- Closing proving switch
- Switch on release nut
- Special paint



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

Discs		445	495	550	625	705	795	
Nominal torque for 1 caliper adjustable from -30 to +20%	N.m	1600	1850	2100	2500	2900	3350	
Maximum disc speed for nominal torque	r.p.m.	2100	1900	1800	1500	1300	1200	
D	mm	445	495	550	625	705	795	
d	mm	0-70	0-100	0-100	0-100	0-120	0-130	
E	mm	100	120	150	185	225	265	
F	mm	80	100	130	165	205	245	
G	mm	285	295	305	315	330	345	
l (approx. dimension)	mm	90	115	145	180	225	265	
Maximum reaction on shaft	1 caliper	N						12300
	2 calipers	N						7400

Opening proving switch:

- 250VAC max., 5A max., with interrupting capacity: 50VA max.
- 220VDC max., 5A max., with interrupting capacity: 50W max.
- Compatible with PLC (Programmable Logic Controllers).

An opening switch used with other equipment than PLC must not be reused with a PLC.

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