



Industrial SAB Brakes



Stromag

**PRODUCT
CATALOG**



DECADES OF EXPERIENCE

Across Industries and Applications



Founded in 1932, Stromag™ has grown to become a globally recognized leader in the development and manufacture of innovative power transmission components for industrial drivetrain applications.

Stromag engineers utilize the latest design technologies and materials to provide creative, energy-efficient solutions that meet their customer's most challenging requirements.

Stromag's extensive product range includes flexible couplings, disc brakes, limit switches, an array of hydraulically, pneumatically, and electrically actuated brakes, and a complete line of electric, hydraulic and pneumatic clutches.

Stromag engineered solutions improve drivetrain performance in a variety of key markets including energy, off-highway, metals, marine, transportation, printing, textiles, and material handling on applications such as wind turbines, conveyor systems, rolling mills, agriculture and construction machinery, municipal vehicles, forklifts, cranes, presses, deck winches, diesel engines, gensets and stage machinery.

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TECHNICAL DATA AND DIMENSIONS

- Standard AISE N. 11-63.120
- Spring application brake
- Thruster release
- Standard voltage 440/460/480 VAC, 60 Hz, 3 Phase
- Protection class C5-H available on demand
- Automatic lining wear compensation
- Brake shoe auto-aligning device
- Scale for torque adjustment
- Brake lever synchronization
- Aluminum shoes with non-asbestos linings
- Self-lubricated bush at main hinge points
- All exposed steel parts are with Zinc Al Flake coating

Operation conditions

- Ambient temperature: -20°C to 70°C
- Max permissible relative humidity 90%
- IP rating: IP66

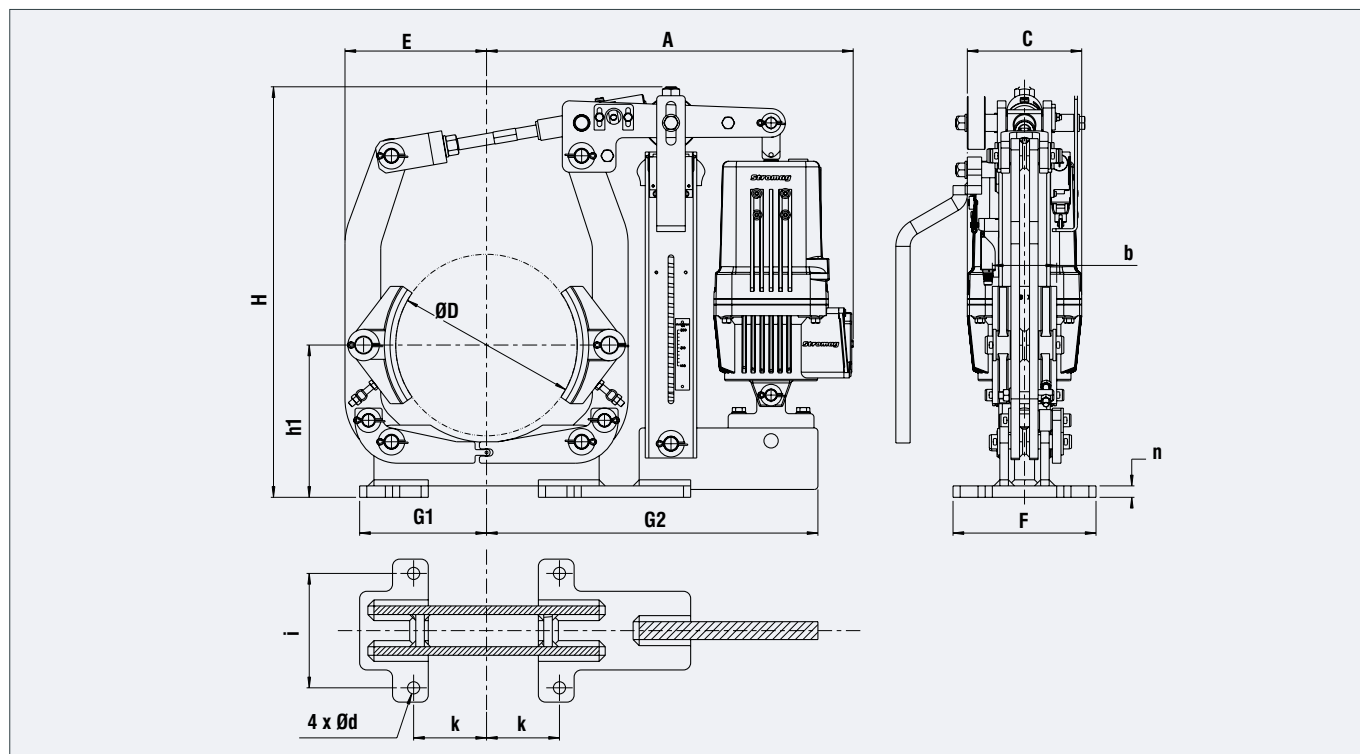


Options	
AV-DV Thruster	Thruster delay: Ascent valve or descent valve
BELS	Brake engaging Limit Switch
BRLS	Brake release Limit Switch
HRL	Hand release lever
HRLM	Limit Switch for hand release monitoring
LWI	Full lining wear indicators
SPA	Paint according to customer specification
SV	Special voltage
PC	Port crane: Corrosion class C5-H
SW	Steel works (High temperature +10°C to +90°C)
LT	Low temperature (-20°C to +40°C)

INDUSTRIAL BRAKES

SAB brakes

TECHNICAL DATA AND DIMENSIONS



Brake type	Thruster PT	Braking Torque μ=0.4 (lb-ft)		Weight (lbs)	Dimensions (In) In () dimensions in mm													
		min.	max.		A	b	C	D	d	E	F	G1	G2	H	h1	i	k	n
SAB 6"	PT 230/5	55	110	75	18	2,45	6,3	6 (152)	3/8 (9.5)	5,5	4,75	6,3	14,6	17	4.75 (120)	3 (76)	4 (102)	0.39 (10)
SAB 8"	PT 230/5	85	190	102	19	3	6,3	8 (203)	0.68 (17)	7	7,28	6,1	16,5	20	7 (178)	5.76 (146)	3.25 (83)	0.39 (10)
	PT 300/5	140	275	106														
SAB 10"	PT 230/5	110	220	135	21	3,54	6,3	10 (254)	0.69 (17)	8	7,87	7	18,3	24	8.38 (213)	6.26 (160)	4.0 (102)	0.63 (16)
	PT 300/5	140	280	140														
	PT 500/6	220	440	161	22													
SAB 12"	PT 300/5	170	345	177	24	5,51	6,3	12 (305)	0.81 (21)	10,2	11	8,5	21	25	9.88 (251)	9.0 (228)	5.75 (146)	0.55 (14)
	PT 500/6	270	540	197	25													
	PT 800/6	430	855	198														
SAB 13"	PT 300/5	180	375	177	24	5,51	6,3	13 (330)	0.81 (21)	10,2	11	8,5	21	25	9.88 (251)	9.0 (228)	5.75 (146)	0.55 (14)
	PT 500/6	295	590	197	25													
	PT 800/6	460	930	198														
SAB 15"	PT 500/6	330	665	301	28	6,49	7,7	15 (381)	1.06 (27)	12,5	13,38	10,65	24,65	32,5	12.13 (308)	10.76 (273)	7.5 (191)	0.55 (14)
	PT 800/6	515	1030	301														
	PT 1200/6	840	1675	343	29		9,45											
SAB 16"	PT 500/6	355	710	301	28	6,49	7,7	16 (406)	1.06 (27)	12,5	13,38	10,65	24,65	32,5	12.13 (308)	10.76 (273)	7.5 (191)	0.55 (14)
	PT 800/6	550	1110	301														
	PT 1200/6	900	1800	343	9,45													
SAB 19"	PT 800/6	665	1330	387	31	8,5	7,7	19 (483)	1.06 (27)	14,8	15,35	13,65	27,8	34	13.25 (337)	13 (330)	9.25 (235)	0.79 (20)
	PT 1200/6	1055	2110	425	32													
	PT 2000/6	1700	3390	431			9,45											
SAB 23"	PT 1200/6	1220	2440	643	38	10,98	9,45	23 (584)	1.31 (33)	18	18,9	16,81	32,2	42	15.88 (403)	16 (406)	11.75 (298)	0.79 (20)
	PT 2000/6	1900	3870	643														
	PT 3000/6	2850	5760	645														
	PT 3000/12	3450	6900	645														
SAB 30"	PT 1200/6	1400	2800	1191	49	14,01	9,45	30 (762)	1.56 (40)	22	22,83	22,45	43,9	54	20.75 (527)	19 (482)	15.0 (381)	1.06 (27)
	PT 2000/6	2360	4720	1192														
	PT 3000/6	3650	7370	1195														
	PT 3000/12	4400	8800	1195														

FEATURES

- **AUTO WEAR COMPENSATOR**

Automatically compensates for liner wear ensuring repeatability in break performance

- **HRL (Optional)**

Facilitates maintenance by manual brake release lever that can be operated in bi-directional orientation and also can be flipped as per site conditions.

- **BELS/BRLS (Optional)**

Contact type sensor to monitor brake engage / release condition.

- **LWI**

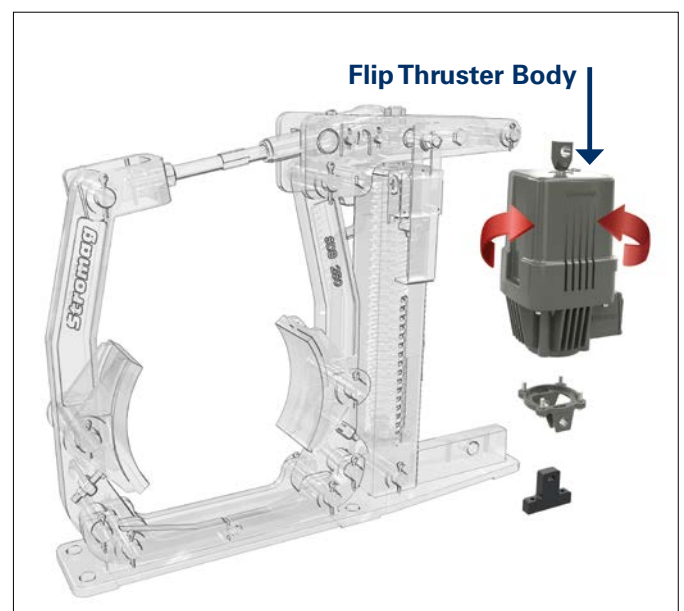
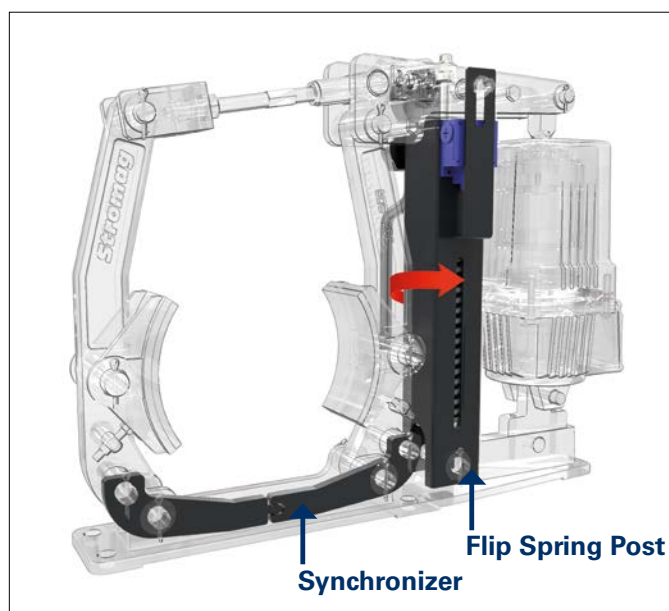
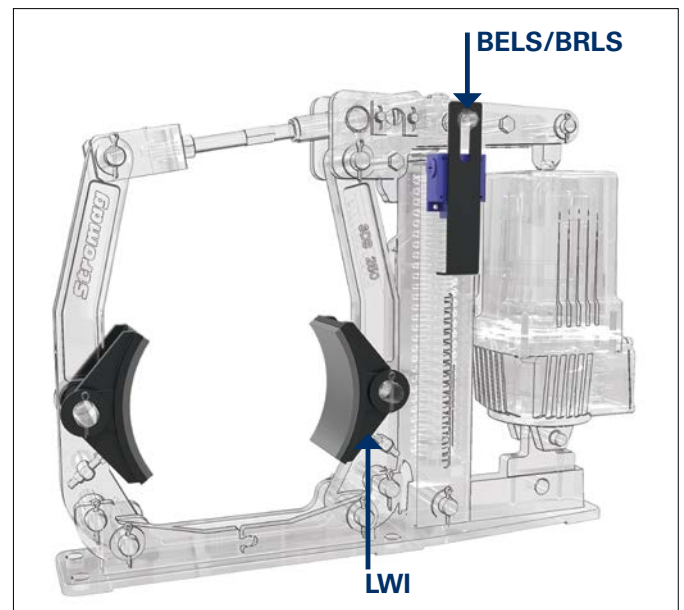
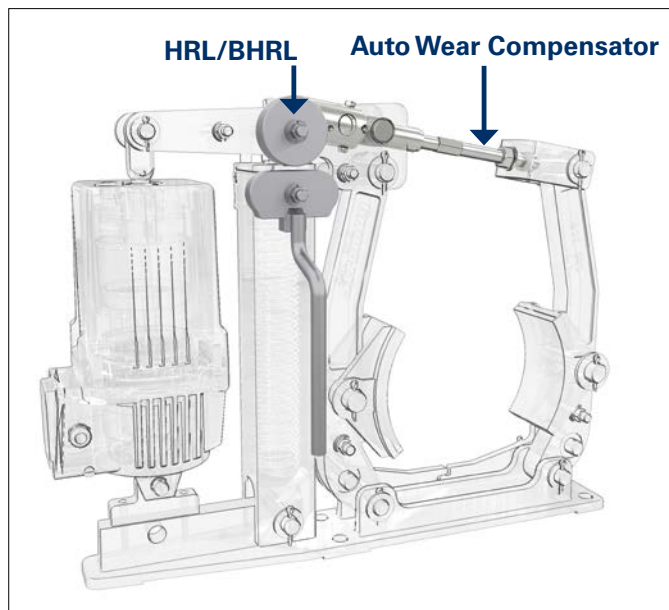
Liner with wear indicator (LWI) to monitor friction material conditions.

- **FLIP SPRING POST**

Flipping of spring post orientation with attached HRL and limit switch arrangement.

- **FLIP THRUSTER BODY**

Thruster body can be oriented $\pm 90^\circ$ with respect to pivot.
Options available above PT 500 Thrusters.



- **SYNCHRONISER**

Precisely synchronizes left and right arm with symmetrical

- Facilitates easy installation
- Improves brake performance

INDUSTRIAL BRAKES

Notes

[illegible]



Stop seeing individual parts. Start seeing unlimited possibilities.

Regardless of your objectives or the challenges with your application, Powertrain Solutions can help you achieve your unique goals. No matter what your application looks like, it relies on many components, all working together. But not all components are made to work together reliably and efficiently. Powertrain Solutions has the insight, experience and expertise to engineer your collection of components into a fully optimized system — giving you solutions that boost efficiency, improve reliability and performance, lower costs and simplify ordering and logistics.

WHERE OTHERS SEE PARTS, WE SEE A SYSTEM



Bearings



Belt & Chain
Drives



Clutches &
Brakes



Conveying



Disc & Gear
Couplings



Motors



Speed Reducers
& Gearboxes



Monitoring &
Diagnostics

It's time to see the bigger picture.

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