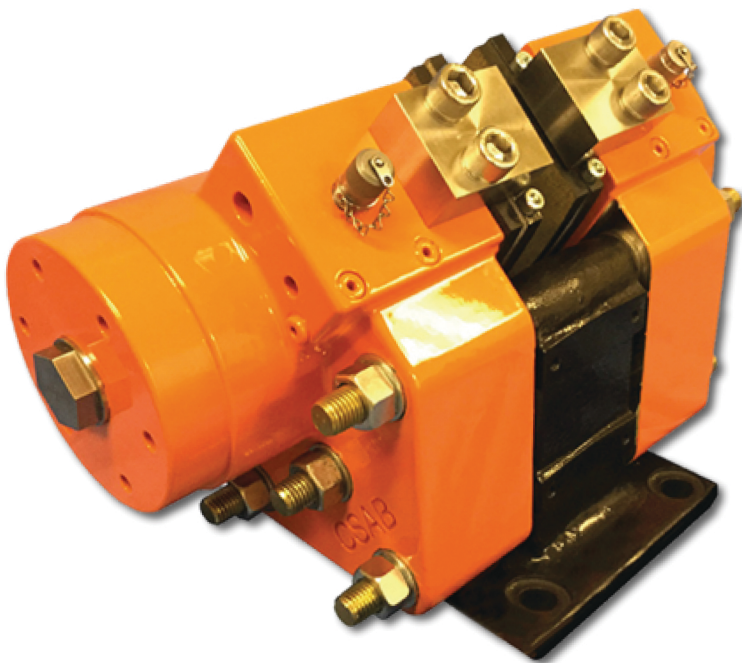


CSAB300

The CSAB 300 is a spring applied / hydraulic release brake caliper, self adjusting, fail-safe disc brake with a clamping force up to 40kN

- Pad wear compensation is automatic. A fixed air gap is maintained throughout the life of the pad
- Optimised spring force through automatic adjustments
- Less maintenance required over traditional brake units
- The requirement for pad replacement is signalled to the operator electronically via our unique switching mechanism
- On/off, pad wear proximity switches or analogue transmitters are available on both caliper halves
- The CSAB is fully interchangeable with other brake calliper brands
- External components are epoxy coated
- The CSAB pad options include an organic compound or a sintered metal version
- Designed and manufactured in Australia, for the harsh mining and marine environments.



COMMON FEATURES

Weight excl. Bracket (kg)	68
Bracket Weight (kg)	24
Brake pad width (mm)	130
Area brake pad Organic cm ²	290
Max wear of pad Sintered Metal cm ²	200
Max wear of pad half mm	10
Pressure connection ports BSPP	2x1/4"
Drain connection ports BSPP	1x1/8"
Min pipe size (mm, ID)	8
Max operating pressure (bar)	230
Temperature range °C	-20 to 70
Minimum Disc thickness (mm)	20
Minimum Disc diameter (mm)	500
Max outer coupling diameter (mm) = disc diameter less	300

CSAB CODE		CSAB	3	00	30	D	100
BRAKE SERIES		BRACKET OPTION					
200 Series	2xx	No Bracket		A			
300 Series	3xx	90° Bracket		B			
3000H Series	3xxx	Special Bracket		C			
5000 Series	5xxx	STD Bracket		D			
SPRING FORCE kN		DISK THICKNESS (mm)					
200 Series	0.5 to 12	STD =		30			
300 Series	10 to 60	DEVIATION CODE					
3000H Series	10 to 160	No Switches		100			
5000 Series	50 to 275	On / Off Switches Only		101			
		Pad Wear & On / Off Switches PNP		102			
		Pad Wear & On / Off V/F		105/115			
		4-20mA Switches		110			

Caliper Model	Clamping Force N	Braking Force N	% Force loss/mm	Balance Pressure @ 1mm bar	Pressure at full retraction bar
310	10000	8000	4%	14	16
312	12000	9600	3%	17	18
315	15000	12000	4%	22	23
317	17000	13600	2%	25	26
320	20000	16000	5%	29	34
322	22000	17600	5%	32	35
325	25000	20000	4%	36	39
327	27000	21600	3%	39	43
330	30000	24000	3%	43	47
335	35000	28000	4%	51	55
337	37000	29600	2%	54	57
340	40000	32000	4%	58	64
345	45000	36000	3%	65	69
350	50000	40000	6%	72	80
355	55000	44000	5%	80	86
360	60000	48000	4%	87	94