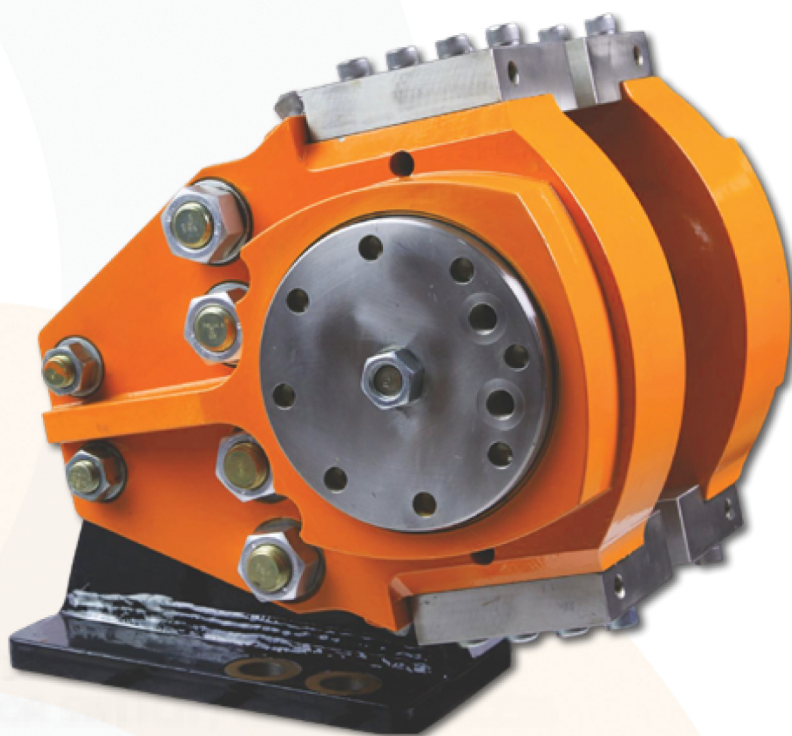


CSBH5000

The CSBH 5000 is a spring applied / hydraulic release brake caliper, fail-safe disc brake with a clamping force up to 275kN.

- Designed in Australia for tough mining conditions
- Mechanical safety lockout
- On / Off and pad wear proximity switches on both caliper halves
- Organic or sintered metal brake pads
- Designed and manufactured in Australia.



COMMON FEATURES

Weight excl. Bracket (kg)	380
Brake pad width (mm)	200
Area brake pad Organic cm ²	630
Max wear of pad half mm	11
Pressure connection ports BSPP	2x3/8"
Drain connection ports BSPP	2x1/4"
-	2x3/8"
Min pipe size (mm,ID)	8
Max operating pressure (bar)	230
Temperature range °C	-20 to 70
Minimum Disc thickness (mm)	30
Minimum Disc diameter (mm)	1000
Max outer coupling diameter (mm) = disc diameter less	520

CSB CODE CSB 5 010 30 D 100

BRAKE SERIES

200 Series	2xx
300 Series	3xx
3000H Series	3xxx
5000 Series	5xxx

SPRING FORCE kN

200 Series	0.5 to 12
300 Series	10 to 60
3000H Series	10 to 160
5000 Series	50 to 275

BRACKET OPTION

No Bracket	A
90° Bracket	B
Special Bracket	C
STD Bracket	D

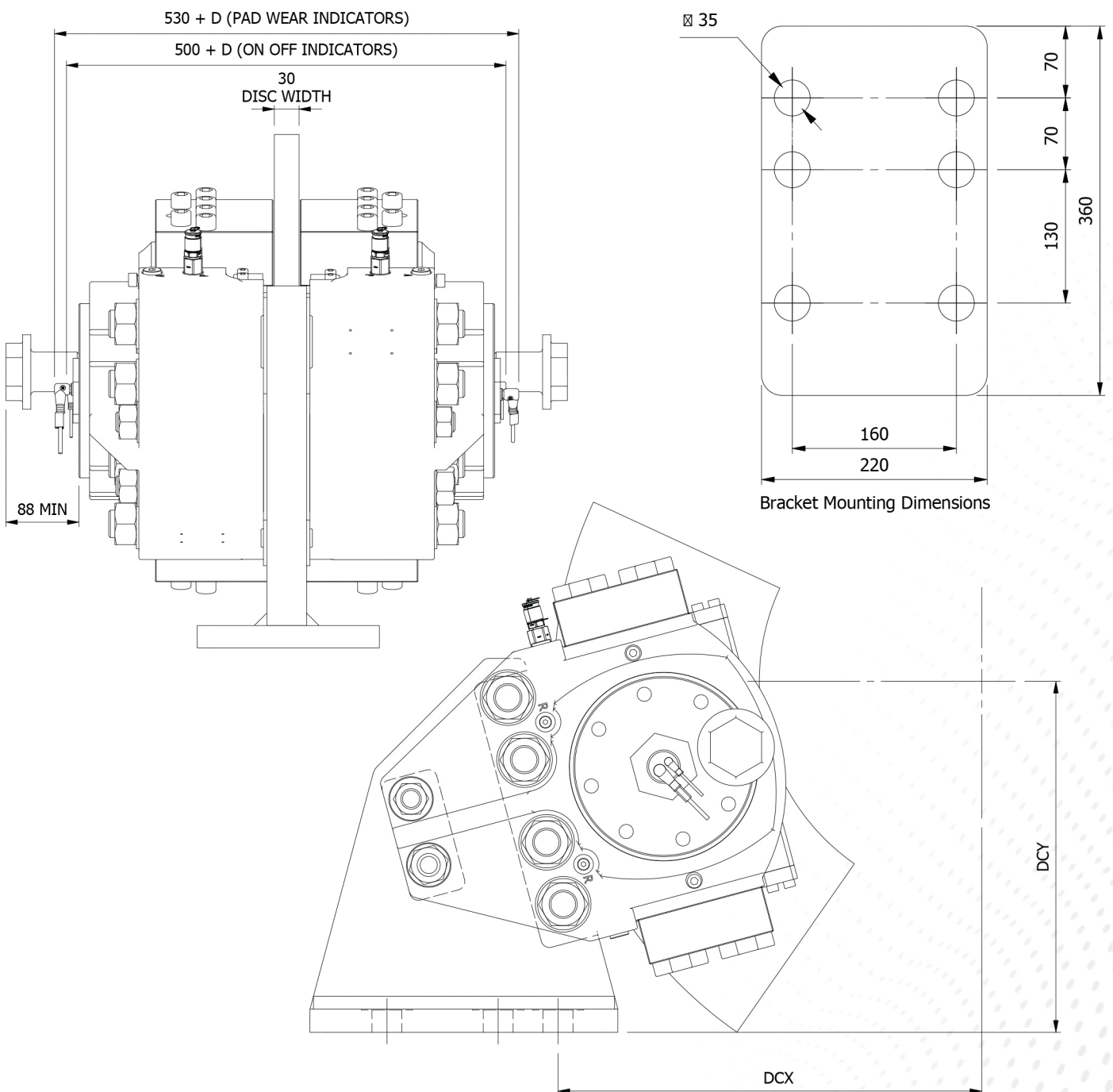
DISK THICKNESS (mm)

STD =	30
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DEVIATION CODE

No Switches	100
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	Clamping Force	Braking Force	% Force loss/mm	Balance Pressure @ 1mm	Pressure at full retraction
Model	N	N	%	bar	bar
5050	50000	40000	1.3%	34	54
5075	75000	60000	6%	52	72
5100	100000	80000	5.1%	69	94
5125	125000	100000	3.4%	86	111
5150	150000	120000	3.7%	103	128
5175	175000	140000	4.5%	120	145
5200	200000	160000	9%	138	168
5225	250000	180000	8.3%	155	185
5250	250000	200000	8%	172	202
5275	275000	220000	7.5%	118	154



CALIPER MOUNTING DIMENSIONS

$$DCX = (\text{DISC RADIUS} - 110) \times (0.966) + 117.2$$

$$DCY = (\text{DISC RADIUS} - 110) \times (0.259) + 307.9$$