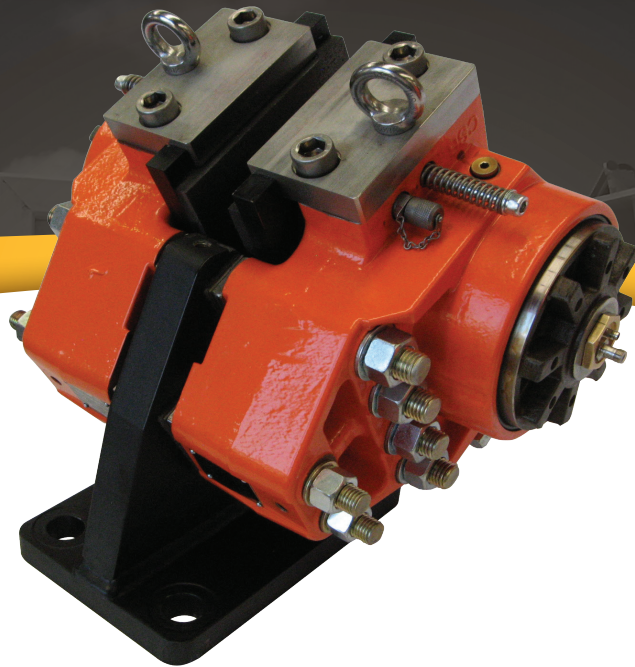


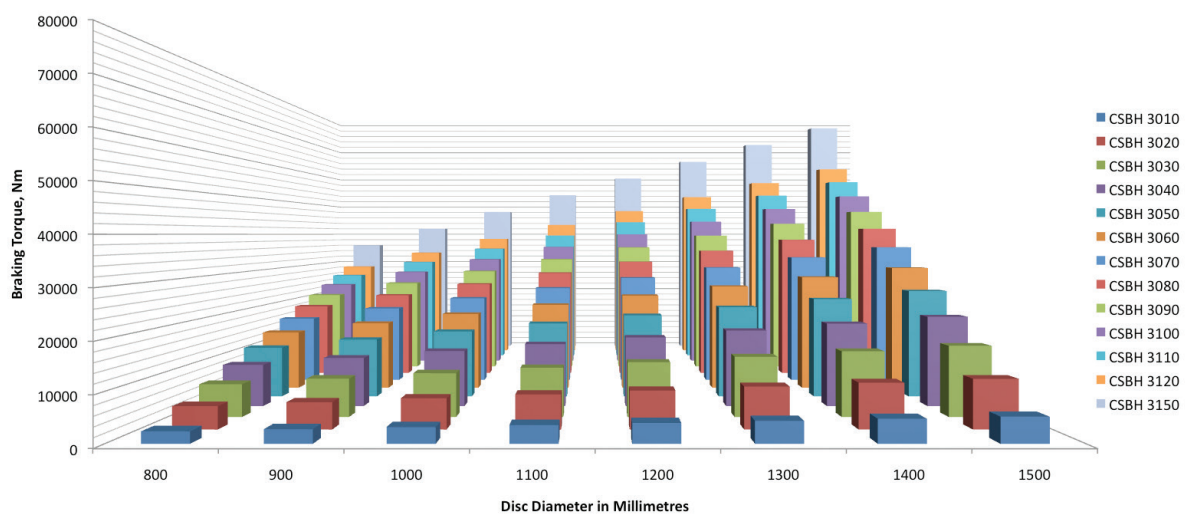


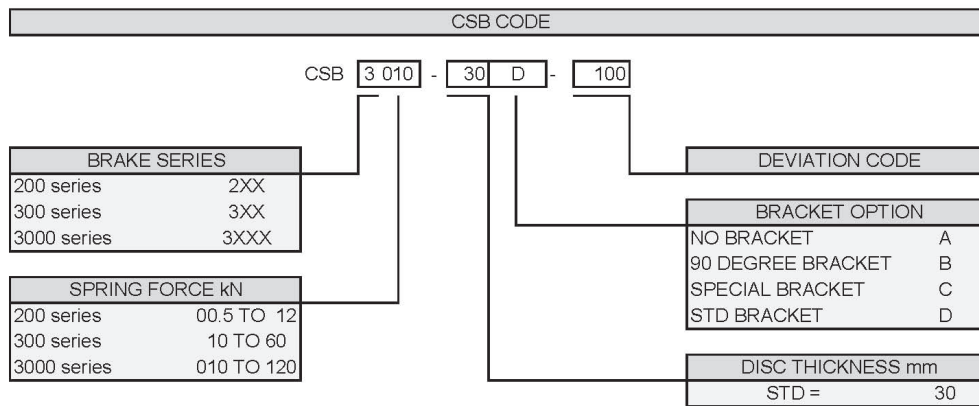
CSBH3000

The CSBH3000 is a spring applied and hydraulically released fail-safe disc brake with a clamping force up to 160KN.

- Designed in Australia for tough mining conditions
- Mechanical safety lockout
- Lower operating pressure
- Minimum moving parts
- Stainless steel adjusting screw and pad retainers
- Stainless steel pistons
- Cartridge style spring pack
- On / Off and pad wear proximity switches on both caliper halves
- Organic non-asbestos or sintered metal brake pads
- Brake suitable for marine and corrosive environments
- Custom designed power pack to operate the brake - available with various options

Brake Type and Size Selection





COMMON FEATURES	3000 Series
Weight excl. Bracket (kg)	130
Bracket Weight (kg)	28
Brake pad width (mm)	200
Area brake pad Organic cm ²	596
Area brake pad Sintered Metal cm ²	360
Max wear of pad half mm	10
Pressure connection ports BSPP	2x1/4"
Drain connection ports BSPP	2x1/4"
Min pipe size (mm, ID)	8
Max operating pressure (bar)	230
Temperature range °C	-20 to 70
Minimum Disc thickness (mm)	20
Min. disc diam. (mm)	800
Max outer coupling diameter (mm) = disc diameter less	412

Caliper Model	Clamping Force N	Braking Force N	% Force loss/mm %	Balance Pressure @ 1mm bar	Pressure at full retraction bar
3010	10000	8000	4%	8	38
3020	20000	16000	3%	16	46
3030	30000	24000	4%	24	54
3040	40000	32000	1%	31	61
3050	50000	40000	4%	39	69
3060	60000	48000	3%	47	77
3070	70000	56000	6%	55	85
3080	80000	64000	3%	63	93
3090	90000	72000	3%	71	101
3100	100000	80000	6%	79	109
3110	110000	88000	6%	87	117
3120	120000	96000	5%	94	124
3150	150000	120000	8%	118	145
3160	160000	128000	7%	126	155

