

MAXiMB

Failsafe Braking Systems

Providing

PEACE of MIND

5000 SERIES

LHDs, ADTs, UVs

NCS Engineering

Tel: +27 (11) 814 6407 Fax: +27 (11) 814 1145

www.maximb.co.za

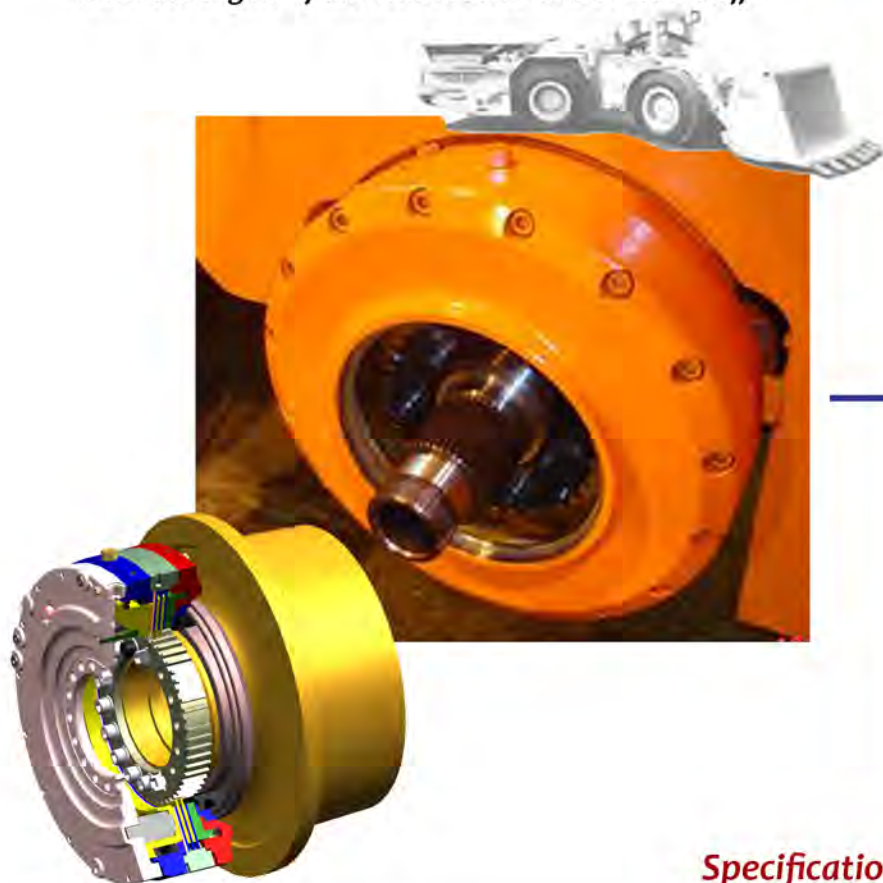


Operating Principle

The brake is a sealed liquid cooled unit which works on the principle of oil shear between the rotating and stationary components. The unit has separate service and failsafe system providing a very robust and safe solution for safety critical items such as the brakes used underground.

Service braking: Service brake is applied by exerting pressure using the standard foot brake valve.

Emergency braking: The emergency brakes will apply when the emergency/park brake valve is actuated by the operator and/or when the engine of the vehicle stalls or is switched off.



Technical Features

Fully enclosed, oil immersed system.

Failsafe braking system meeting mining standards.

External wear pin indicator showing friction disc wear.

The system is SABS approved to SANS 1589.

Fitment Features

Simple interfacing with minimal OEM product modifications.

Ease of fitment.

Low fitment cost with minimal production downtime.

24-hour field service backup.

Other System Features

Affordability.

Wheel end failsafe solution.

Low operational costs.

Low maintenance costs.

Low service exchange cost and turnaround time.

Specifications

Number of Discs		2	3	4	5	6
Service Brake Torque @ 8 Mpa		14,933 Nm	22,066 Nm	29,160 Nm	36,373 Nm	40,220 Nm
Standard Springs	Failsafe Brake Torque (New Linings)	11,100 Nm	16,665 Nm	19,640 Nm	22,607 Nm	27,430 Nm
	Failsafe Brake Torque (Worn Linings)	7,700 Nm	12,165 Nm	14,340 Nm	16,500 Nm	20,020 Nm
	Hydraulic HoldOff Pressure	9 Mpa				
Uprated Springs	Failsafe Brake Torque (New Linings)	14,100 Nm	20,500 Nm	24,550 Nm	29,390 Nm	35,660 Nm
	Failsafe Brake Torque (Worn Linings)	9,870 Nm	14,350 Nm	17,064 Nm	20,570 Nm	24,960 Nm
	Hydraulic HoldOff Pressure	11 Mpa				

Customer References

Anglo Platinum, Anglo Base Metals, Anglo Coal, Aquarius Mines, Eastern Platinum, Harmony, BHP Billiton, Implats, Xstrata, Exxaro, Barlow World Equipment, Caterpillar, Sasol Mining