SAE Series Multiple Disc Hydraulic Bolt-on Brakes
For Mine Vehicles

When reliability, repeatability and uptime matter...

Why customers choose the SAE Series...
- Robust brake construction with high grade castings enables the brake to continuously hold 3,000 psi and 4,000 psi peak pressures
- Sealed construction keeps harmful contaminants out
- Spring applied hydraulic release operation ensures safety
- Bearing supported shaft ensures alignment for easy assembly
- Silicon chrome springs offer longer service life and high torque output
- SAE standard interface enables easy installation
- Advanced friction material provides improved all-round brake performance
- Close dynamic/static performance for smooth deceleration and E-stop when required
- Wet or dry options available for service or parking brakes
- Once they are installed, the brakes are fully sealed and can handle a variety of tough environments
- Suitable for mining applications
- SAE Series bolt-on brakes are a cost effective solution, particularly for straight fixed axle vehicles

SAE Series Hydraulic Brakes are the perfect choice for mobile equipment wheel drives, track drives, winch drives and other hydraulic and motor driven equipment where power off braking is required. SAE brakes are widely used in these mobile equipment applications where failsafe brake operation is essential for parking in the event of a power loss.

The SAE Series multi-disc, hydraulic brakes are designed as wet or dry parking brakes. Typically mounted between a hydraulic motor and a reducer, these brakes are designed to release at hydrostatic transmission pump pressure changes.
SAE Series Multiple Disc Hydraulic Bolt-on Brakes

A Cost-Effective Brake Solution for Mobile Equipment

Hardened shaft splines insure durability in service
Sealed for life bearing reduces maintenance considerations
Rotary shaft seal protects the brake’s internal parts
Silicon chrome springs add reliability to the braking function
Advanced new friction material improves all-round braking performance
Precision piston ensures smooth operation and reliability
‘O’ Ring seals and backing rings allow 3000 psi maximum operating pressures
Grade 12.9, 6-bolt connection for secure assembly

<table>
<thead>
<tr>
<th>Matrix Brake Series</th>
<th>SAE Bolt-On Configuration</th>
<th>Rated Dry Static Torque Range lb.-in. (Nm)</th>
<th>Rated Wet Static Torque Range lb.-in. (Nm)</th>
<th>Full Release Pressure Range psi (Bars)</th>
<th>Brake Unit Weight lb. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHBS</td>
<td>“A/B” Short</td>
<td>800-2,400 (90-270)</td>
<td>500-1,600 (56-180)</td>
<td>66-195 (4.6-13.4)</td>
<td>23 (10.4)</td>
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<tr>
<td>BHBS</td>
<td>“B” Short</td>
<td>800-2,400 (90-270)</td>
<td>500-1,600 (56-180)</td>
<td>66-195 (4.6-13.4)</td>
<td>21 (9.5)</td>
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<tr>
<td>AHB</td>
<td>“A/B”</td>
<td>1,000-3,600 (113-405)</td>
<td>1,000-2,400 (113-270)</td>
<td>66-195 (4.6-13.4)</td>
<td>27 (12.2)</td>
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<tr>
<td>BHB</td>
<td>“B”</td>
<td>1,000-3,600 (113-405)</td>
<td>1,000-2,400 (113-270)</td>
<td>66-195 (4.6-13.4)</td>
<td>25 (11.3)</td>
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<tr>
<td>CHB</td>
<td>“C”</td>
<td>4,000-10,000 (450-1130)</td>
<td>2,600-6,600 (290-945)</td>
<td>95-235 (6.5-16.2)</td>
<td>52 (23.6)</td>
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<tr>
<td>DHB</td>
<td>“D”</td>
<td>7,000-14,000 (790-1580)</td>
<td>4,600-9,300 (520-1050)</td>
<td>85-170 (5.9-11.7)</td>
<td>105 (47.6)</td>
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