

GBA50 SERIES SERVICE BRAKE TECHNICAL DATA



FEATURES

- Automatic adjustment
- Lightweight rugged construction
- Compact design
- Increased braking capacity per pound
- Reduces overhang and minimizes bending stress on supporting member
- Lightweight rugged construction
- Easy to install
- Simplified maintenance, when required

APPLICATIONS

Front-end loaders

Wheel loaders

FUNCTION

The Carlisle CBA-50 Series Service Brake is a hydraulically actuated, double opposed piston, caliper disc brake designed for small construction applications. Both the caliper and disc require fixed mountings. Multiple calipers may be used on a single disc to proportionally increase torque output.

SPECIFICATIONS

Caliper material	High-strength cast iron
Mounting Attitude	Multiple
Maximum Pressure	90 bar
Inlet Type	Multiple (10mm ORB standard)
Lining Material	NF-782 (See your CBF representative for other options)
Lining Area per Brake	5,000mm ²
Lining Volume per Brake	54,000mm ³
Disc Thickness	20 mm
Disc Diameter	288 mm
Displacement per Brake Event	2 cc
Number of Pistons	2
Final Assembly Weight	6.58 kg

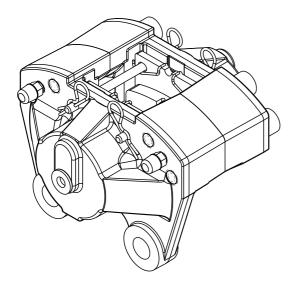


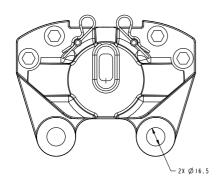
FORMULAS

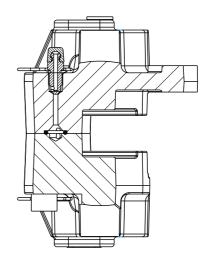
Torque(Nm) = K x Input Pressure (MPa) x Disc Radius (mm) K Static = 0.63 K Dynamic = 0.57

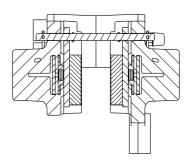
- * Torques calculated are based on dry friction coefficient and optimum lining break-in.
- ** Dimensions available upon request.

DIMENSIONS











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The information presented is for informational purposes and is representative of tests conducted at Carlisle Brake & Friction R&D testing facilities to standardized testing procedures under controlled conditions. This information implies no warranty or guarantee of performance as actual values occurring in a particular system application may vary. Further information on performance is available by contacting Carlisle Brake & Friction.