

General Brake Information



1. Mounting flange dimensions are per SAE J744 Jun96 unless otherwise specified.
2. Gaskets for the hydraulic motor and gear reducer ends are recommended and accompany each brake.
3. Oil fill amount on each page of catalog is approximate only.
4. Use only SAE grade 5 (8.8) or grade 8 (10.9) mounting bolts adequately torqued per the chart below:

BOLT SIZE	BOLT TORQUE
3/8-16 UNC 2A	31-38 lb.ft.
7/16-14 UNC 2A	49-56 lb.ft.
1/2-13 UNC 2A	75-85 lb.ft.
5/8-11 UNC 2A	150-165 lb.ft.
3/4-10 UNC 2A	265-295 lb.ft.
1.00-8 UNC 2A	590-650 lb.ft.
M12 X 1.75-6g	75-85 lb.ft.
M16 X 2-6g	150-165 lb.ft.
M20 X 2.5-6g	265-295 lb.ft.

5. O-Rings (Buna N material) in the brake piston are compatible with petroleum based fluid. Do not use non-petroleum based fluid. O-Ring materials that are compatible with fluids other than petroleum base are available. Please contact Ausco. Petroleum fluids are the hydraulic fluids normally used in hydraulic pump and motor systems (e.g.: SAE 10).

6. Torque specifications on wet brakes are based on using hydraulic oils without friction modifiers, such as those developed for high pressure hydraulic systems. Fluids containing friction modifiers or anti-wear additives (such as EP type additives, graphite, or moly-disulfide) will significantly affect the brake torque. It is strongly recommended that the wet brake be tested in the specific application.
7. Multi-disc brakes with service brake can use separate fluid types. Contact Ausco for specific application. In every instance, seal material must be compatible with the specific hydraulic fluid.
8. Contact Ausco if parking brake is to be used in a dynamic application.
9. All brakes listed are designed for horizontal shaft orientation; if vertical orientation is needed, please contact Ausco.
10. If shaft speed exceeds the recommended speed listed on the catalog page, please contact Ausco.
11. When emergency release of Ausco multi-disc brake is required, an Ausco hydraulic hand pump #31090 can be incorporated into the hydraulic system. Contact Ausco for more information.
12. Contact Ausco for speed sensor models that are available.

Caution Notes:

- A) WET BRAKES ARE SHIPPED WITHOUT OIL UNLESS OTHERWISE SPECIFIED. OIL MUST BE ADDED UPON INSTALLATION.**
- B) Bench testing may cause distortion of components or bolt failure. Mounting bolts must be used for supplemental clamping. Tighten bolts to torque shown in note 4 above.
- C) Unless otherwise stated, no side loads are permissible. Contact Ausco for overhung load adaptor recommendations.
- D) All brakes have a limitation in their ability to absorb dynamic braking energy. Energy absorption is application specific, so it is important that the brake be tested in the intended application by the customer to insure proper performance. Testing of this type is beyond the scope of Ausco Products who manufactures only one component of the braking system. Failure to test the brake in the application may result in damage to the brake. Such damage can cause degraded brake performance, reduced brake life, or complete brake failure. Serious injury or vehicle damage may result. If you need additional assistance, please contact Ausco.

Explanation of Specification Tables

Brake Part No.	75230	Ausco's Brake part number (use for ordering purposes).
Rated Torque (lb.in.)	2600	The calculated static torque of the brake at zero back pressure.
Full Release Pressure (psi)	172	Full release pressure is the designed working pressure. This is the pressure (psi) that will give the brake its designed internal clearance.
Input/Output Spline		Interface characteristics of brake shaft.
A-J		Physical brake dimensions.