

Subject: HYDRAULIC CALIPER LINE PRESSURE & DISPLACEMENT

Issue Date: 13-Feb-08

Hydraulic disc brake calipers are designed to provide performance based on a specific maximum hydraulic fluid pressure.

AL-KO hydraulic disc brake calipers, both Dacromet coated and Stainless Steel are designed to operate at a maximum line pressure of 1000 psi or 6.9MPa.

Inadequate line pressure will result in lower brake torque being developed and as a result poor brake performance.

Excessive brake pressure will result in severe brake performance, faster brake lining wear and is therefore not recommended. In an extreme pressure situation mechanical damage may be caused to the caliper.

Many brake supply systems are available and a check should be made to ensure that the recommended maximum line pressure can be achieved and not exceeded.

Brake fluid displacement should be calculated based on a maximum requirement of 3 cubic cm per caliper.