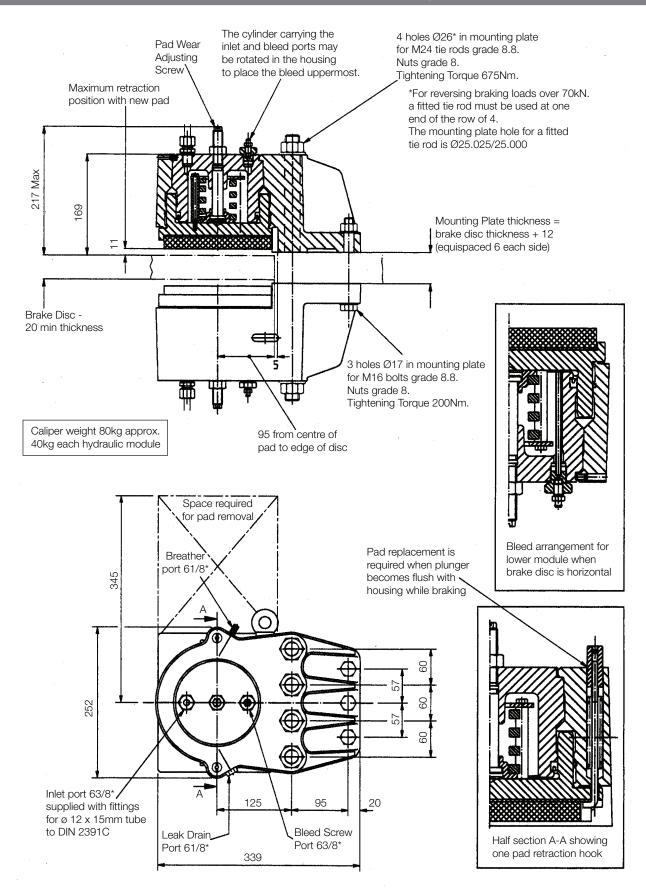


## **DB2019**

# VKHD Disc Brake Caliper - Hydraulic Applied - Spring Released



#### **Technical Data**

The VKHD is a hydraulically applied spring retracted disc brake caliper which as 2 similar halves or hydraulic modules. In installation the modules are bolted each side of a fixed plate and mounted astride a brake disc. The brake disc may be either in a vertical plane of horizontal but for the latter mounting special bleed arangements are required.

#### **Brake Disc**

Diameter - 1000mm minimum. There is no maximum limit except for practical considerations.

Thickness - 20mm minimum. There is no maximum limit except for practical considerations.

Material - standard discs sg iron to BS2789 grade 420/12. (Twiflex data sheet DB 5002).

Finish - brake path surface to be 2µm or better.

#### **Brake Pads**

Length	Wide	Thickness	Area (2 pads)	Wear Allowance
208mm	180mm	22mm	726cm <sup>2</sup>	10mm

#### **Hydraulics**

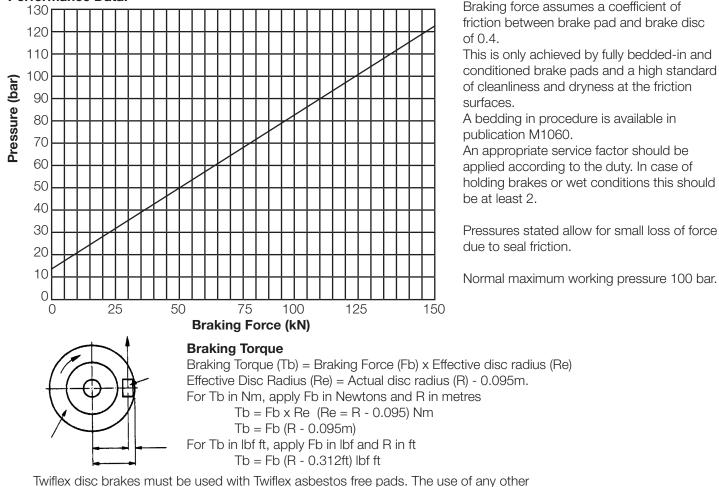
The recommended fluid is mineral oil based hydraulic fluid. Water based fluid types ISO-L-HFAE. ISO-L-HFB, and ISO-L-HFC may also be used.

Fluid displcacement for 1mm retraction at both pads - 31ml.

#### **Brake Adjustments**

The adjusting screw sets the air gap between brake pad and the brake disc and allows pad wear to be taken up. A typical air gap is 2mm. The smaller the air gap, the smaller the hydraulic fluid volume flow required. In a high wear situation, resetting should be frequent. See installation, Operation and Maintenance Instructions M1144 for adjustment for pad wear. An electrical monitoring unit is optionally available to indicate when pad replacement is required.

#### Performance Data:



Twiflex disc brakes must be used with Twiflex asbestos free pads. The use of any other brake pad will invalidate the warranty. Twiflex Limited reserves the right to modify or change the design without prior notice. This document is the intellectual property of Twiflex Limited.



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