

Brake caliper range

▼ VCS Mk3

Spring applied – Hydraulically released

The Twiflex VCS disc brake caliper is comprised of two similar halves or hydraulic modules and is used with a brake disc thickness from 0.8". The caliper modules are mounted on each side of a central mounting plate of the same thickness as the brake disc.

Each module has a variable number of disc springs to produce a braking force in the range of 3150 lb up to 13,450 lb. Braking force is also dependent on the pad/disc air gap.

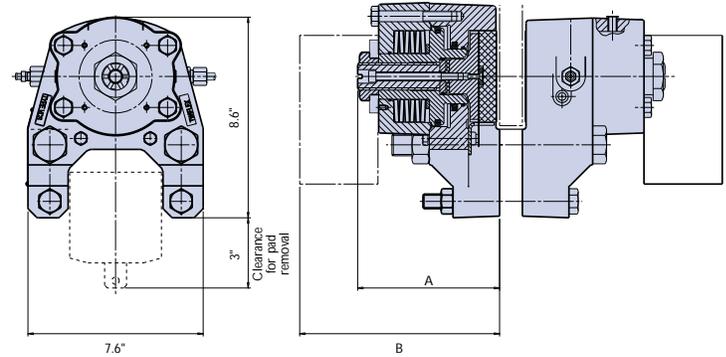
Normally one or two brakes will be used per disc, but the number may be increased, depending on disc size. The brake units can be positioned at any angle around the periphery of the disc.

A range of Brake Discs is available from Twiflex.

Minimum disc diameter for the VCS caliper is 20".

Twiflex Disc Brakes must be used with Twiflex asbestos free brake pads.

Contact Twiflex for installation details.



	A	B
Long	7.2"	9.7"
Standard	6"	8.5"

Caliper Type	Disc/Pad Air Gap in	Braking Force lbf	Hydraulic Pressure for Full Retraction psi
VCS72L	0.08	13,940	2350
VCS60L	0.08	11,240	2000
VCS55L	0.1	9670	1540
VCS50L	0.1	8320	1370
VCS40L	0.138	6745	1120
VCS40S	0.08	6970	1120
VCS25S	0.138	4500	790
VCS22S	0.138	3150	640

Maximum Retraction Pressure 2350 psi

Weight of caliper (2 modules) - 101 lb

Volume displacement per 0.04" stroke at both pads = 0.9 in³

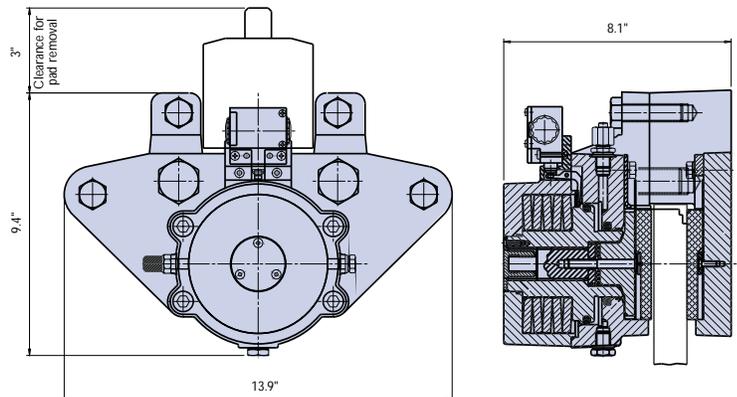
▼ VCS -FL

A version of this brake, known as the VCS-FL, is available for use where space is limited and when the brake disc has excessive lateral movement. Only one brake module is used with a reactive pad plate.

Contact Twiflex for installation details.

Note:

Spring fatigue life is a function of the caliper rating.



modular
series

