



MCB Series Disc Brake Caliper for Energy & Offshore Applications



 **Twiflex**[®]
Limited

An Altra Industrial Motion Company

MCB SERIES CALIPER BRAKE

APPLICATION

The MCB series caliper brake has been specifically developed for both static holding duties and emergency stopping of both AC and DC Draw works. Depending on the control system specified, the MCB caliper brake will work seamlessly with all common, primary and secondary braking systems including electrical, mechanical and hydrodynamic retarding devices. The MCB series caliper brake can also be used in a great many general industrial applications, such as cranes, hoists, rolling mills, conveyors, etc.

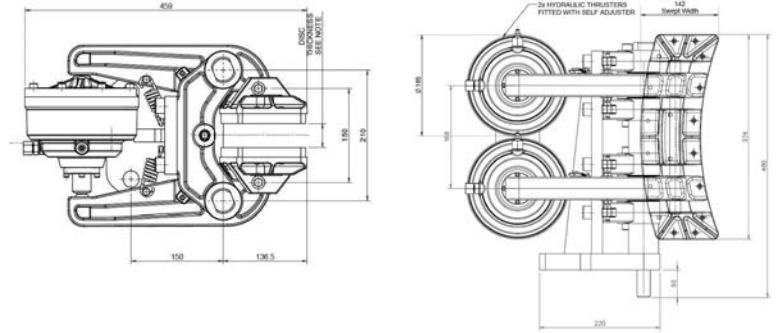
DESCRIPTION

The MCB caliper brake is supplied in two forms: a positive, direct acting brake and a spring applied, hydraulic released version. Each brake comprises a caliper body with a choice of actuators fitted between the arms. The brake is adjusted to fit a disc up to 36mm thickness and 1100mm minimum diameter. Brake force achievable as per the table opposite.

SPECIAL FEATURES

- Modular construction for easy maintenance and assembly
- Rugged design and corrosion protection for reliable service in challenging operational environments
- Self adjusting thrusters which automatically compensate for pad wear
- Riveted pads for operational reliability and ease of replacement
- Easy setup and adjustment to precisely tailor to wide ranging operational requirements
- Suitable for “soft braking”
- Wide choice of designs based on standard components
- 3 separate mounting systems (vertical, horizontal, side)
- Backed by a global network of dealers

Spring Applied Hydraulically Released



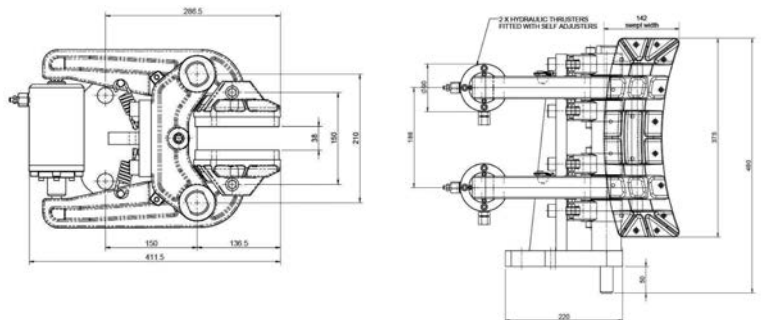
Hydraulically Released Spring Applied

Caliper Type	Braking Force kN	Release Pressure bar	Max Retraction Pressure bar
MCBP200	200	50.0	142.5
MCBP165	160	41.0	117.5
MCBP130	120	31.0	88.5
MCBP100	95	24.0	68.8
MCBP65	60	16.0	44.3
MCBP30	30	8.0	21.5

Direct Applied Brake

Caliper Type	Braking Force kN	Pressure bar
MCBP200	200	131.0
MCBP165	160	108.0
MCBP130	120	81.0
MCBP100	95	63.0
MCBP65	60	41.0
MCBP30	30	15.0

Hydraulically Applied



www.twiflex.com

9 Briar Road, Twickenham
Middlesex, England TW2 6RB
+44 (0) 20 8894 1161
Fax: +44 (0) 20 8894 6056
Email: sales@twiflex.com

2800 Fisher Road
Wichita Falls, TX 76302 - USA
940-723-3483
Fax: 940-723-3436