

# Twiflex...

## Leaders In Advanced Braking Technology

Twiflex, with headquarters in Twickenham, England, specialises in the design, manufacture and supply of Advanced Braking Technology for industrial applications. With extensive in-house facilities, Twiflex enjoys a global reputation for quality.

Founded in 1946, Twiflex has produced more than half a million brake units, frequently for safety-critical duty, for applications around the world. From textile machines in the north of England to the world's deepest mine shaft in South Africa, Twiflex brakes are specified by engineers and system designers in every type of industry.

From defining complete braking systems to identifying spare components, this catalogue provides useful guidance. An approximate brake selection may be made by assessing the data shown, however, it is always recommended to contact a Twiflex representative for a more detailed proposal.

### Introduction/Selection Guide

**Page 2 - 3** Applications

**Page 4 - 5** Overview

### Brake Calipers

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**Page 6 - 7** MU Series

**Page 8 - 10** MS Series

**Page 11 - 14** MR Series

**Page 15 - 21** MX Series

**Page 22 - 26** GMX Series

**Page 27 - 29** GMR Series

**Page 30 - 37** Modular Series

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**Page 38** Disc and Hub Assemblies

**Page 39** Monitoring Units

**Page 39** Materials, Traceability & Finishes

**Page 40** Hydraulic Power Units

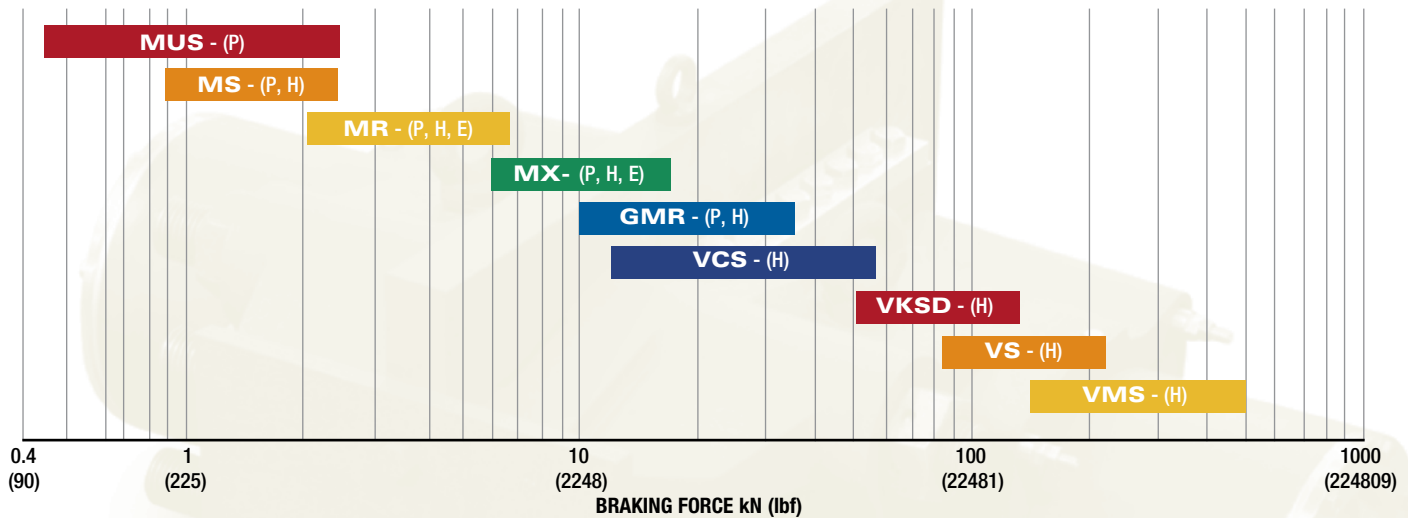
**Page 41 - 44** Braking Calculations

**Page 45** Application Form

# Select the right Twiflex Brake to meet your requirements

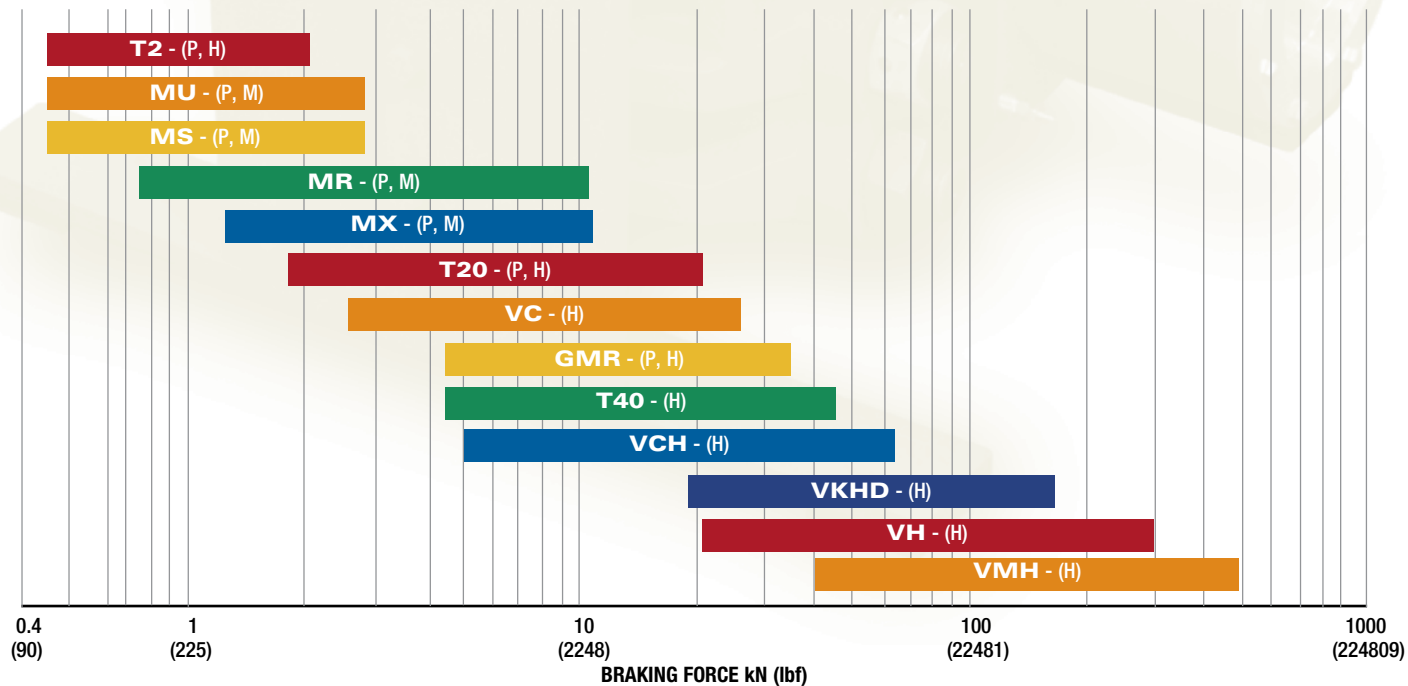
The charts below illustrate the range of standard TWIFLEX disc brakes. Model-specific publications and data sheets are available for each caliper shown. To determine which will suit your application compare the braking force required with that generated by the calipers\*, noting that other factors (e.g. disc speed, pad material, service factor, etc) should be considered for optimal selection. Twiflex application engineers can provide assistance for your particular application.

## Spring Applied Calipers†



† KEY: (P) = Pneumatic, (H) = Hydraulic, (E) = Electrical, (M) = Mechanical

## Direct Acting Calipers†



\*It should be noted that the braking forces shown are for a single caliper only and multiple calipers may often be used on a disc, with available space being the typical limitation.

# Twiflex disc brakes are found on industrial applications worldwide.

## Metals

Twiflex brakes are used on critical applications throughout the metals processing industry for reliable dynamic, holding and emergency-stop duties. Typical applications include:

- Rolling and slitting
- Finishing and coating
- Cranes and haulage
- Shears and forging



## Mining

For more than 40 years, Twiflex has been specified to provide safety-critical braking control in the mining industry. Typical applications include:

- Winders and hoists
- Conveyors
- Grinding mills
- Drag lines and shovels
- Reclaimers and haulage



## Lifts and Escalators

Disc brake systems are typically used on industrial (freight) elevators and mass transit escalators. They provide safe, controlled braking in the event of power loss or emergency stop situations.



## Energy

Disc brake systems are used on and off-shore in the wind, wave, tidal, and oil and gas industries. Typical applications include:

- Wind and tidal turbine over-speed control
- Draw-works stopping and holding
- Wind turbine yaw motion control



## Entertainment

Twiflex calipers are used to provide speed control, static holding, and emergency braking on a variety of applications, including:

- Theme park rides
- Simulators
- Stage gear, props and scenery
- Monorails

## Marine and Shipping

Twiflex provides specialist solutions for the marine industry ranging from main propulsion shaft and thrusters braking to winch drive and weapon systems brakes.

