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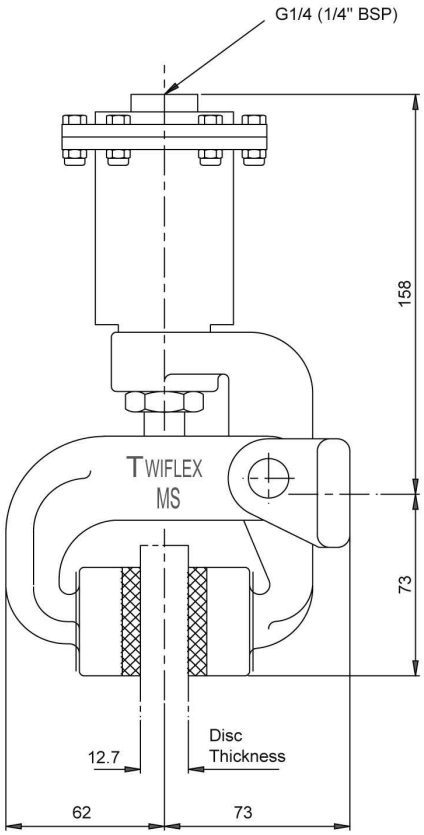
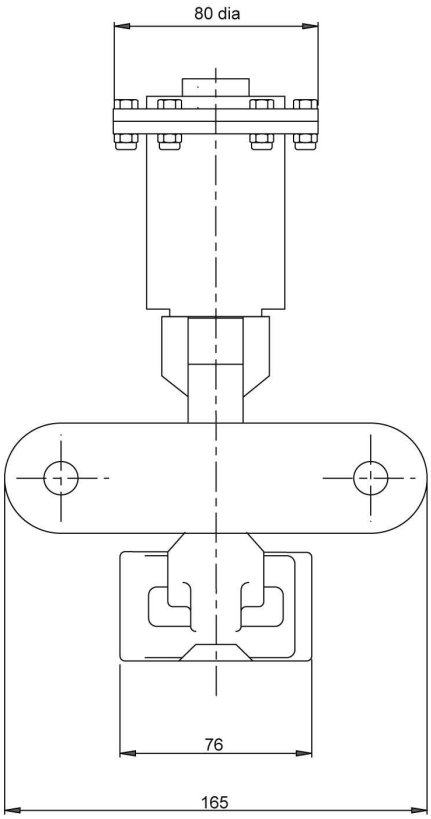
Twiflex Limited

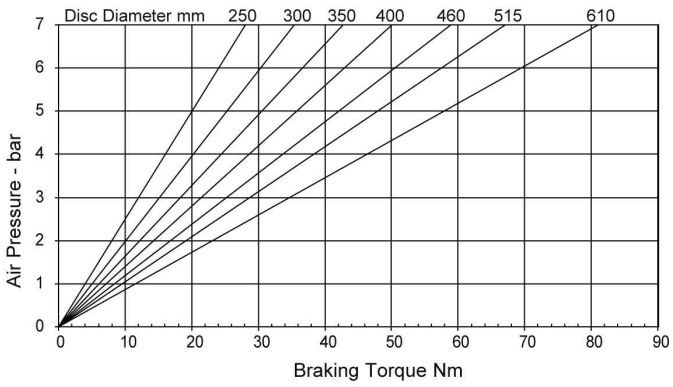
MSE Disc Brake Caliper - Pneumatically Applied, Spring Released

DS1503

Nominal dimensions given
For caliper dimensions see DS1500







Weight (caliper and thruster) - 1.91kg
(thruster only) - 0.41kg
Volume displacement of thruster at full stroke is 8ml.

Maximum pressure 7 bar

Maximum Braking Force = 0.29kN @ 7 bar

The ratings shown on the above graph are based on fully bedded and conditioned brake pads with nominal friction coeficient μ= 0.4.

For bedding-in and conditioning procedures see Publication M1060.

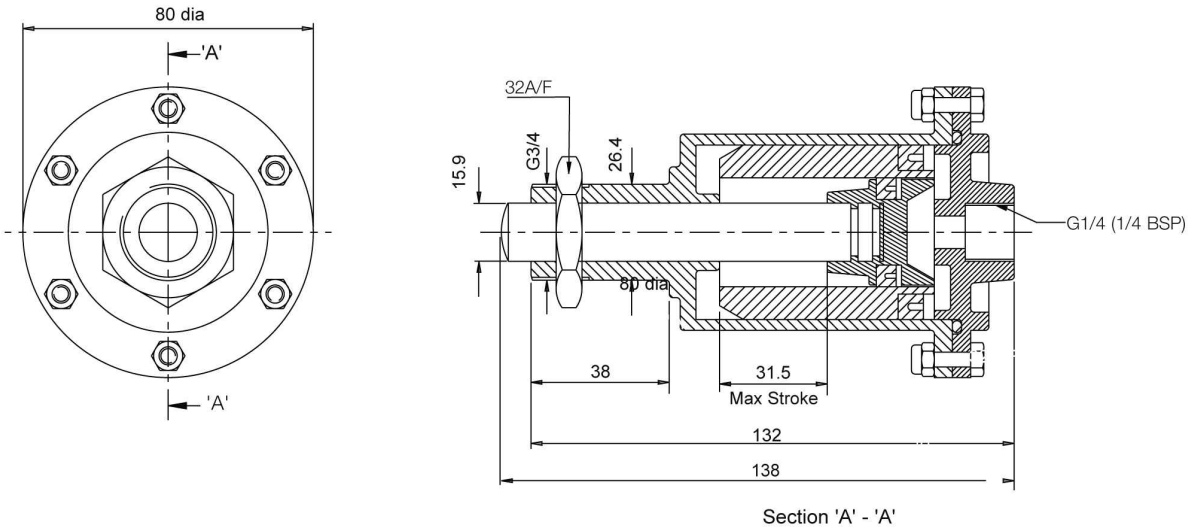
Braking Force is defined as the Tangential Force acting on the brake disc at the Effective Disc Radius.
Braking Torque (Nm) = Braking Force (N) x Effective Disc Radius (m) where Effective Disc Radius = Actual Disc Radius - 0.03.

Twiflex Disc Brakes must be used with Twiflex asbestos free brake pads.The use of any other brake pads will invalidate the warranty.

Twiflex Limited reserves the right to modify or change the design without prior notice.

Twiflex Limited

MSE Disc Brake Caliper - Pneumatically Applied, Spring Released

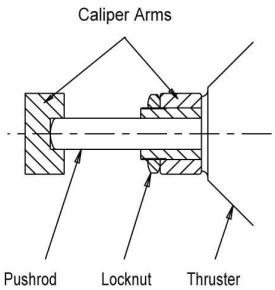


Thruster Part Number 7200479

This range of pneumatically operated brakes uses dry and filtered compressed air at pressures up to 7 bar. Pneumatic brakes require a control valve which may be operated either manually, or by pneumatic or electrical signal.

Thruster Fitment

1. Offer thruster to caliper making sure that the lock nut is removed before placing push rod through caliper arm.
2. Fit lock nut over the push rod and locate it's end within the slot of the other arm.
3. Tighten the lock nut to 50-60 Nm.



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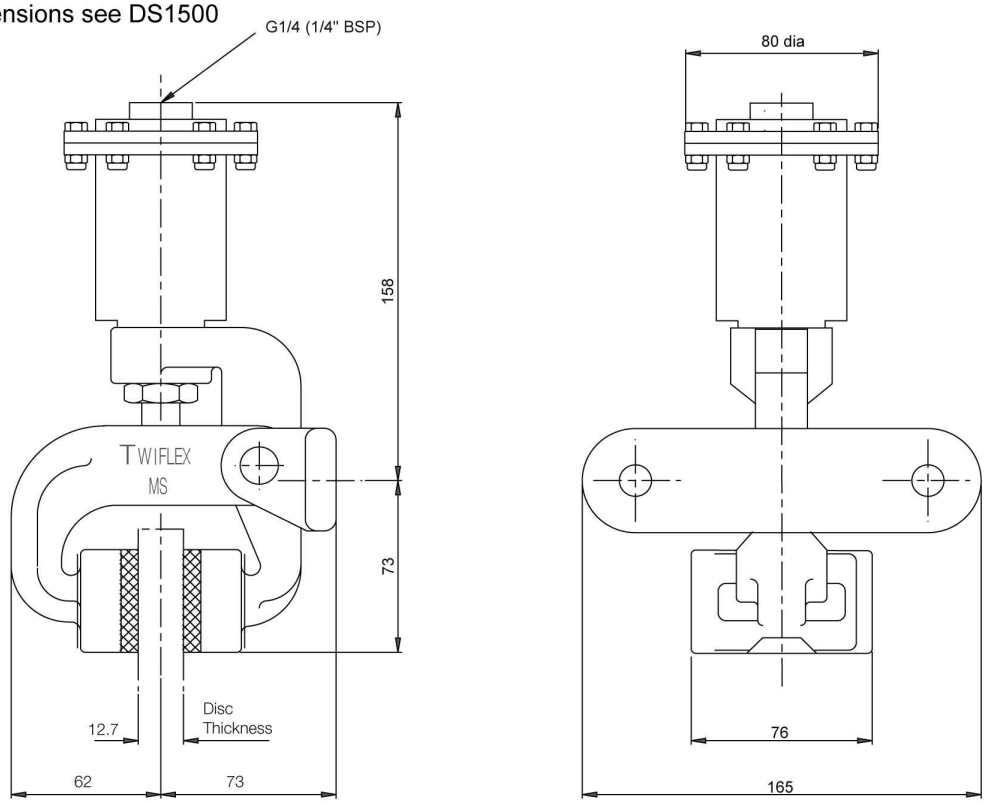
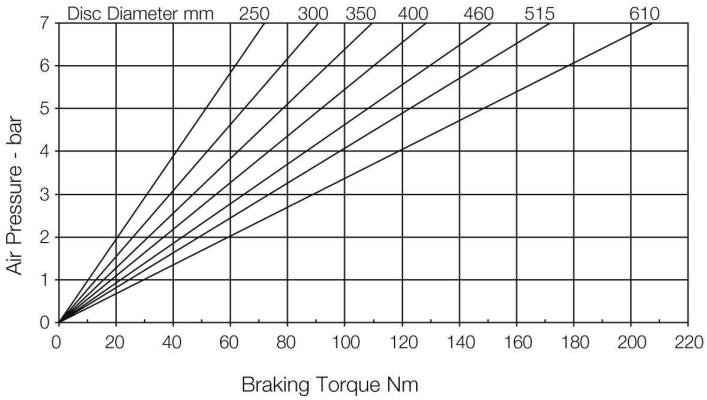
Twiflex Limited

MSG Disc Brake Caliper - Pneumatically Applied, Spring Released

DS1505

Nominal Dimensions given
For caliper dimensions see DS1500





Weight (caliper and thruster) - 1.89kg
(thruster only) - 0.39kg
Volume displacement of thruster at full stroke is 21ml.
Maximum pressure 7 bar
Maximum Braking Force - 0.76kN @ 7bar

The ratings shown on the above graph are based on fully bedded and conditioned brake pads with nominal friction coef cient μ=0.4.

For bedding-in and conditioning procedures see Publication M1060.

Braking Force is defined as the Tangential Force acting on the brake disc at the Effective Disc Radius.
Braking Torque (Nm) = Braking Force (N) x Effective Disc Radius (m) where Effective Disc Radius = Actual Disc Radius - 0.03.

Twiflex Disc Brakes must be used with Twiflex asbestos free brake pads. The use of any other brake pads will invalidate the warranty. Twiflex Limted reserves the right to modify or change the design without prior notice.

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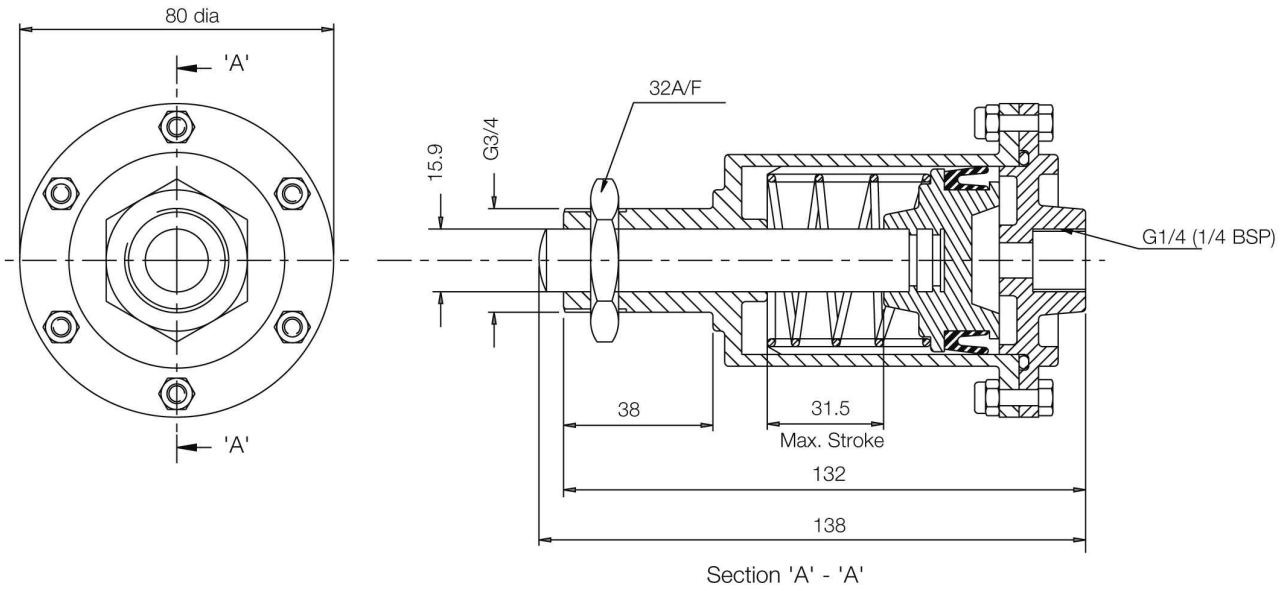
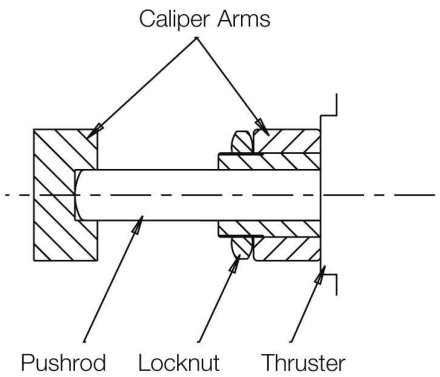
MSG Disc Brake Caliper - Pneumatically Applied, Spring Released



Section 'A' - 'A'

Thruster Part Number 7200482

This range of pneumatically operated brakes uses dry and filtered compressed air at pressures up to 7 bar. Pneumatic brakes require a control valve which may be operated either manually, or by pneumatic or electrical signal.

Thruster Fitment

1. Offer thruster to caliper making sure that the lock nut is removed before placing push rod through caliper arm.
2. Fit lock nut over the push rod and locate it's end within the slot of the other arm.
3. Tighten the lock nut to 50-60 Nm.