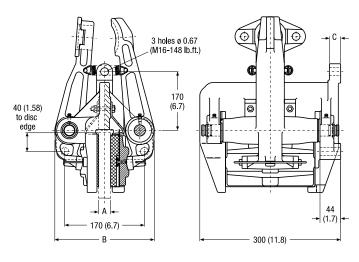
GMR Series

GMR Disc Brake Caliper



 A
 B
 C

 GMR25
 25
 212
 24

 GMR40
 40
 223
 29

The Twiflex GMR and GMR40 series of disc brake calipers are suitable for use with discs of 25.4mm, and 40mm thick respectively. Minimum disc diameter is 610mm.

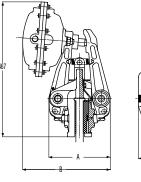
Normally one or two calipers are used per disc, but the number may be increased depending on disc size. The brakes may be positioned at any angle around the periphery of the disc, but should ideally be mounted horizontally (i.e. at the 3 o'clock or 9 o'clock position). If the caliper mounting angle is greater than 10° from the horizontal, or on vertical shaft applications, it should be fitted with an inclined mounting kit. A range of brake discs is available from Twiflex (see Disc and Hub Assemblies).

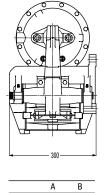
For pneumatic operation use dry, filtered and non-lubricated compressed air. Pneumatic brakes require a control valve, operated either manually or by pneumatic or electrical signal.

The ratings shown on the graphs are based on fully bedded in and conditioned brake pads with a nominal friction coefficient $\mu = 0.4$. Twiflex disc brakes must be used with Twiflex asbestos free brake pads.

Effective disc radius = actual radius (m) - 0.06m.

GMRP Pneumatically Applied – Spring Released



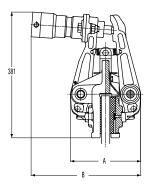


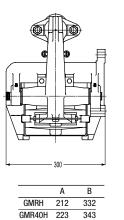
 A
 B

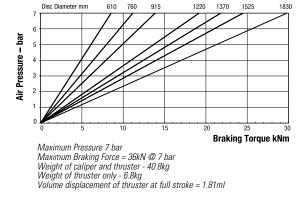
 GMRP
 212
 306

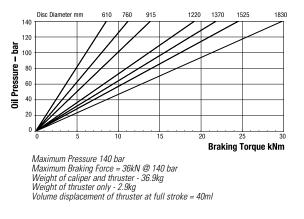
 GMR40P
 223
 312

GMRH Hyraulically Applied – Spring Released







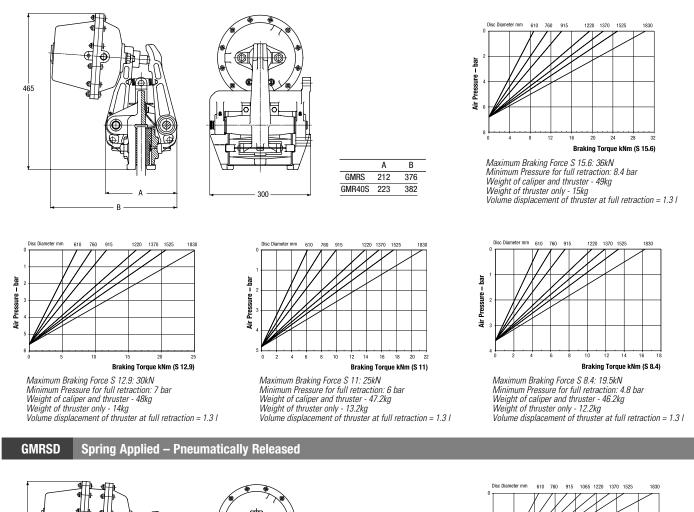


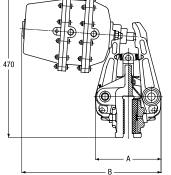
Retraction pressures where shown are calculated and may vary depending on spring tolerance.

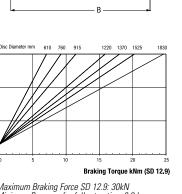
GMR Series

GMRS

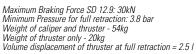
Spring Applied – Pneumatically Released

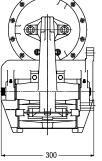


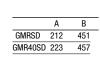


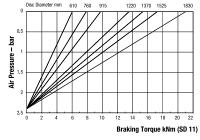


Air Pressure – bar

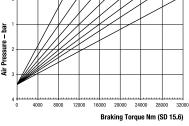




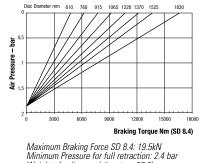


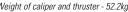


Maximum Braking Force SD 11: 25kN Minimum Pressure for full retraction: 3.3 bai Weight of caliper and thruster - 53.2kg Weight of thruster only - 19.2kg Volume displacement of thruster at full retraction = 2.5 /



Maximum Braking Force SD 15.6: 36kN Minimum Pressure for full retraction: 4.6 bar Weight of caliper and thruster - 55kg Weight of thruster only - 21kg Volume displacement of thruster at full retraction = 2.5 l



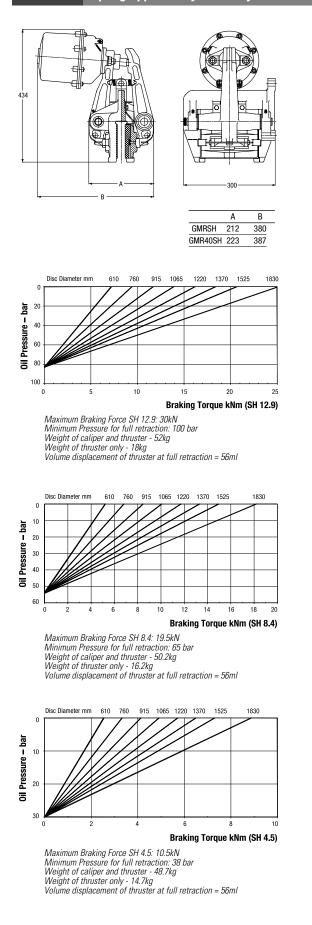


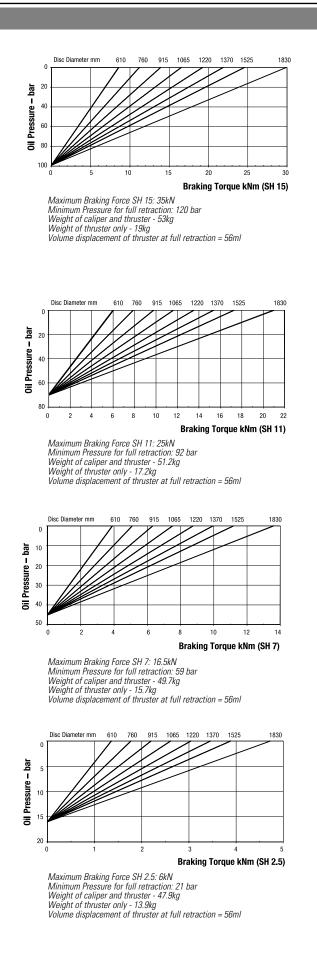
Weight of caliper and thruster - 52.2kg Weight of thruster only - 18.2kg Volume displacement of thruster at full retraction = 2.5 /

Retraction pressures where shown are calculated and may vary depending on spring tolerance.

GMR Series

GMRSH Spring Applied – Hydraulically Released





Retraction pressures where shown are calculated and may vary depending on spring tolerance.