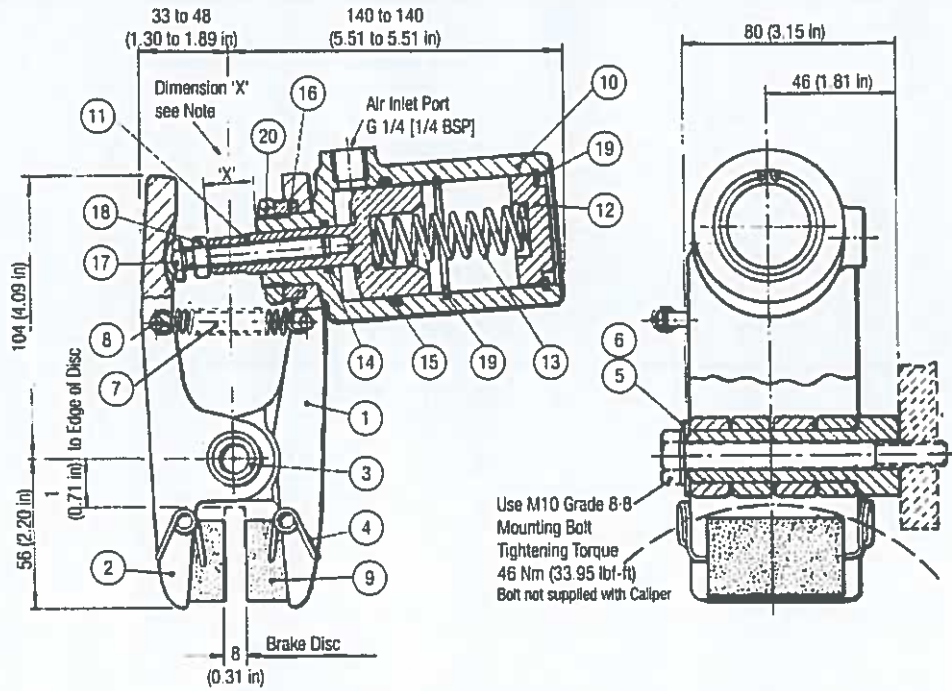


# Disc Brake Caliper: Type MUS2 - Spring Applied, Air Released

Light duty, stopping and holding.



## Disc Brake Caliper Assembly Type MUS2

**Note:** Set dimension 'X' to 175mm (6.89 in) with brake 'ON'. This setting corresponds to maximum Braking Force setting. Readjust setscrew (item 17) when dimension 'X' exceeds 20mm (0.79 in). To avoid damage to thruster diaphragm do not turn the Piston Rod while adjusting the setscrew.

### Parts List

Item	Component	Part No.	Qty.
1	Arm (Thruster Side)	6640177	1
2	Arm (Opposite Side)	6640178	1
3	Pivot Post	8240039	1
4	Pad Retaining Spring	2400093	2
5	9/16" Plain Washer	4700209	1
6	M10 Plain Washer	4700208	1
7	Tension Spring	2400109	2
8	Grooved Pin	3100088	2
9	Brake Pad	7080047	2
10	Cylinder	7241113	1

Item	Component	Part No.	Qty.
11	Piston	7251114	1
12	End Cover	7240932	1
13	Compression Spring	2500186	1
14	O-Ring	6000226	1
15	O-Ring	6000227	1
16	Spacer	1650494	1
17	M8 Adjusting Screw	5300301	1
18	M8 Full Nut	5100188	1
19	Internal Circlip	4300075	2
20	3/4" BSP Nut	5100051	1

### Technical Data MUS2:

Thruster only Part No. 7201112(S2).  
 Caliper only Part No. 6780918.  
 Complete assembly (Caliper and thruster) Part No. 6780922.  
 Weight (complete assembly) - 1.360kg (3.00 lb)  
 Minimum brake disc diameter - 150mm (5.91 in)  
 Disc thickness (Standard) - 8mm (0.31 in)  
 New pad dimensions - 30x50x21mm (1.18 x 1.97 x 0.83 in) thick  
 Brake pad wear allowance - 5mm (0.20 in) each pad  
 Total pad area - 30cm<sup>2</sup> (4.65 in<sup>2</sup>)  
 Minimum pressure for full retraction - 4.3 bar (62 psi).  
 Maximum pressure - 7 bar (102 psi)

**Braking Force** 600 N (135 lbf) at coefficient of friction  $\mu = 0.38$   
 Brake torque (Nm) = Braking force (N) x effective disc radius (m).  
 (Effective disc radius (m) = actual radius (m) - 0.020).