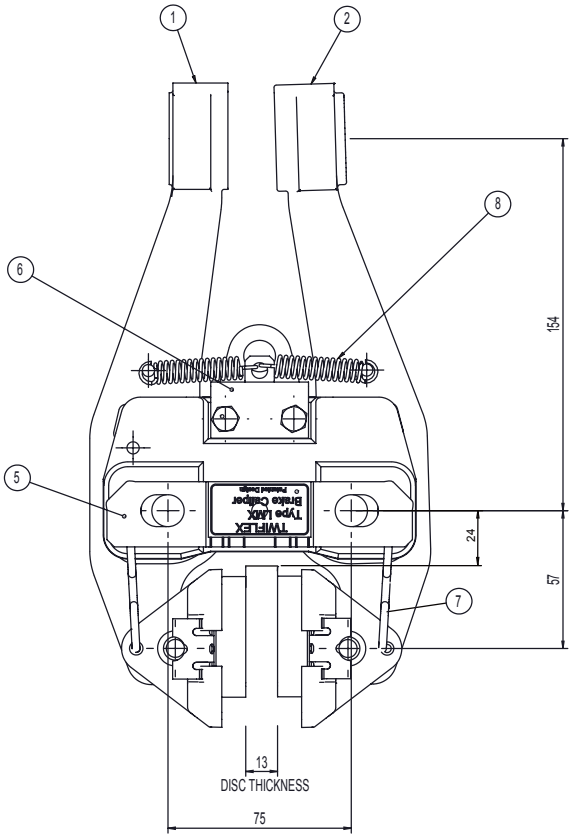
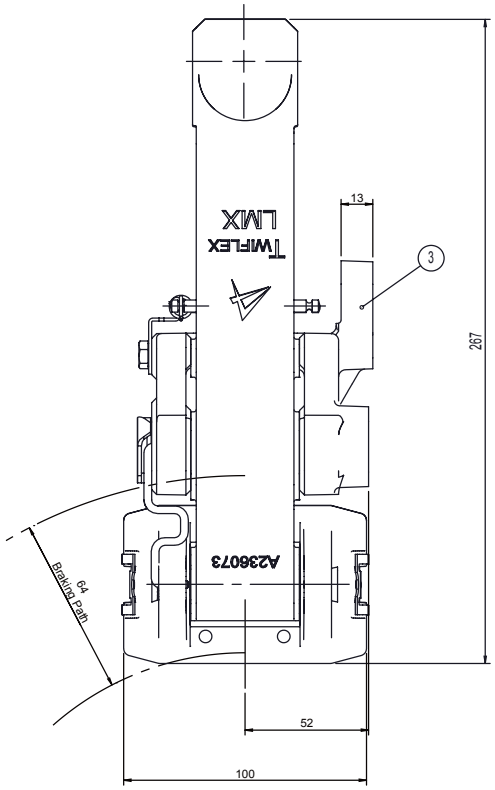
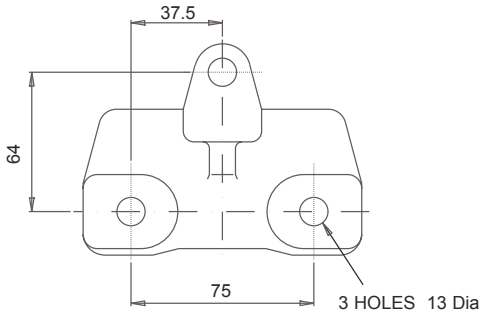
Twiflex®
Altra Industrial Motion

DS2520

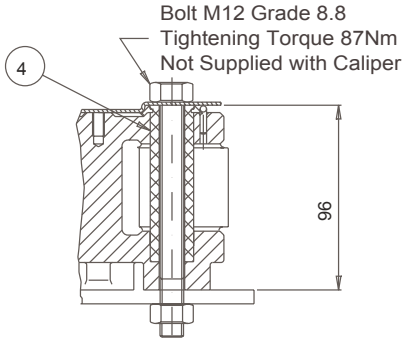
LMX13 Disc Brake Caliper







VIEW ON CALIPER BASE



PART SECTION 'X-X'

Weight	8.2 kg
Total pad area	104cm^2 (2 pads)
Pad dimensions new	60 x 90 x 13mm thick
Pad material	Asbestos-free high friction material
Allowable pad wear	8mm per pad

The standard LMX series brake caliper, is supplied as a right-hand assembly. (as shown above) Left-hand assembly can be supplied on request, or can easily be changed on site.

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

LMX13 Disc Brake Caliper

General Description
The Twiflex LMX13 disc brake caliper is used with brake discs of 12.7mm thick.
It may be used with any of the series of actuators listed below.
Normally one or two units will be used per disc but the number may be increased, depending on disc size.

Thruster	Description	Data Sheet	Max Braking Force CoF 0.4
A	Pneumatically applied spring released	2521	10.1
B	Pneumatically applied spring released	2522	16
D	Pneumatically applied spring released	2523	5.3
E	Pneumatically applied spring released	2524	1.0
G	Pneumatically applied spring released	2525	2.8
H	Mechanically applied hand operated	2526	12.0
K	Spring applied pneumatically released	2527	3.2, 6.4 and 9.5
L	Spring applied pneumatically released	2528	3.2, 6.4 and 9.5
XS	Spring applied pneumatically released	2529	10.0, 14.5 and 16.3
XSH	Spring applied hydraulically released	2530	10.1 and 16.3
W	Mechanically applied hand operated	2531	3.7
EMX	Spring applied electrically released	2532	8.4

The brake units can be positioned at any angle around the periphery of the disc, but ideally they should be mounted horizontally (in 3 or 9 o'clock positions) in relation to the disc.
If a caliper is mounted at an angle of more than about 10 deg. from the horizontal, it should be fitted with an inclined mounting kit or equalising link. This applies also to calipers used on vertical shaft installations.

Discs:
A range of standard discs of 12.7mm thick are available from Twiflex see Data Sheet DS0501.
Minimum disc diameter for the LMX caliper is 300mm.

Controllers:
Standard Twiflex Controllers are available for single or multi-caliper installations for use with electric,pneumatic and hydraulic signalling systems.

Pad replacement in air applied calipers:
To replace the pads, secure the installation to ensure safety.
Straighten tabs at each end of the brake pads, and remove worn pads. Clean disc and the pad recesses in the shoes with a suitable cleaning agent such as white spirit. Fit new pads, and bend tabs through 90 deg. so as to hold pads in position, the pad should be free to move sideways.

Pad replacement in spring applied calipers:
To replace the pads, secure the installation to ensure safety.
Slacken the two locknuts holding the thruster, and screw back the push rod to create space between pad and disc.
Straighten tabs at each end of the brake pads, and remove worn pads. Clean disc and the pad recesses in the shoes with a suitable cleaning agent such as white spirit. Fit new pads, and bend tabs through 90 deg. so as to hold pads in position, the pad should be free to move sideways.
Refit the thruster as described in the relevant data sheet.

For bedding-in and conditioning procedures refer to publication M1060
Health and Safety data sheet reference to DS0500

AVAILABLE SPARES		
Item	**Component**	**Part No.**
1	Arm Assembly - Thruster	6600333
2	Arm Assembly - Slotted	6600334
3	Caliper Base	8030025
4	Pivot Pin	7952383
5	Retaining Plate	7951480
6	Spring Anchor Plate	7951501
7	Spring Link	2500198
8	Spring Tension	2400159

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