Industrial **brakes**

Electrohydraulic Disc Brakes

antec®

Reliability is a must.

GENERAL DESCRIPTION

The FPT, FBT and FDA brakes are spring applied, power released disc brakes. Brake release is achieved by a thrustor.

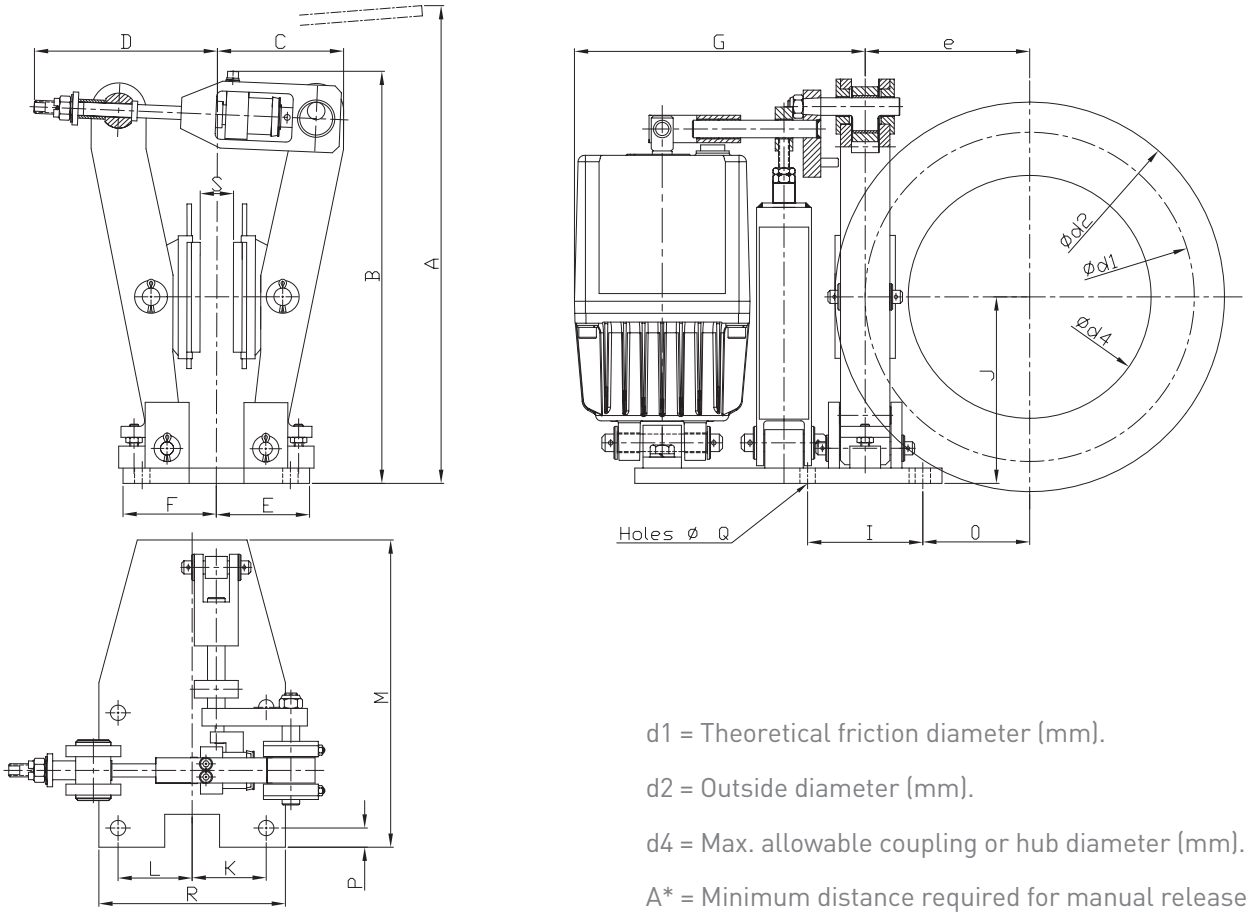
The thrustor is a three-phase AC electrohydraulic device.

Asbestos free linings. The main shafts are made of stainless steel with self-lubricated bushings.

Brakes include torque scale.

Model: FBT-34 TH-III
(1306) CSA inductive +DD
inductive +DM +GS

FPT-1



d1 = Theoretical friction diameter (mm).

d2 = Outside diameter (mm).

d4 = Max. allowable coupling or hub diameter (mm).

A* = Minimum distance required for manual release lever.

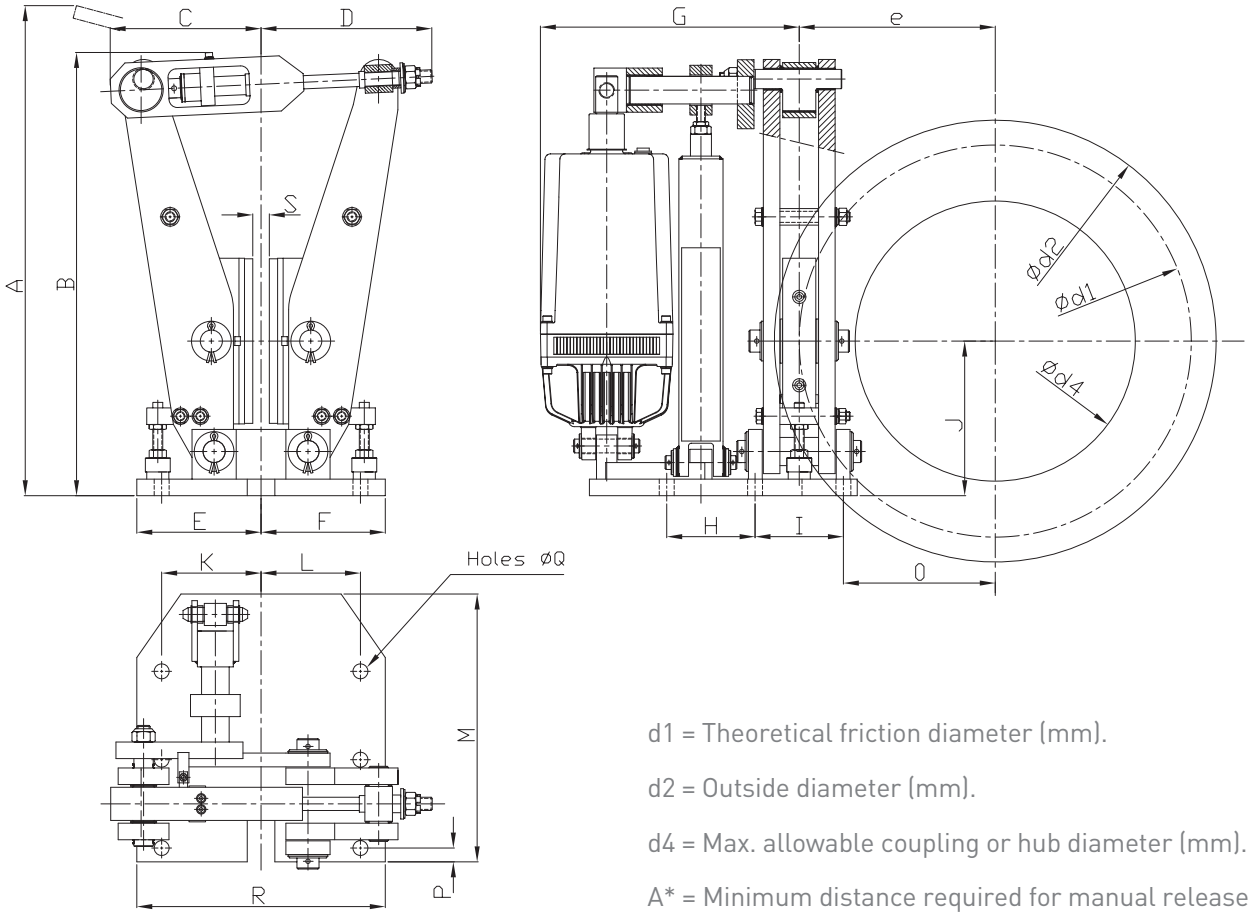
A	B	C	D	E	F	G	I	K	L	M	P	Q	R	WEIGHT
400	380	120	170	85	85	265	105	67.5	67.5	280	17.5	14	170	28 kg

Disc information							THRUSTOR type		
							Clamping Force (N)	TH-I (256)	
d2	S	d1	d4	e	J	O		Min Torque (Nm)	Max Torque (Nm)
200	30	145	55	72.5	170	20	3300	95	190
240	30	185	95	92.5	170	40		120	240
280	30	225	135	112.5	170	60		147.5	295
315	30	260	170	130	170	77.5		170	340
355	30	300	210	150	170	97.5		197.5	395
400	30	345	255	172.5	170	120		227.5	455

For other disc diameters, please contact the Antec Sales Department (sales@antecsa.com)

Friction coefficient μ=0,4. Dimension values are in mm.

FBT-21



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d2 = Outside diameter (mm).

d4 = Max. allowable coupling or hub diameter (mm).

A* = Minimum distance required for manual release lever.

A	B	C	D	E	F	G	H	I	K	L	M	P	Q	R	WEIGHT
800	565	182	205	170	170	340	130	130	145	145	365	25	22	340	76 - 83 kg

Disc information							THRUSTOR type								
							TH-I (356)			TH-II (506)			TH-II (806)		
d2	S	d1	d4	e	J	O	Clamping Force (N)	Min Torque (Nm)	Max Torque (Nm)	Clamping Force (N)	Min Torque (Nm)	Max Torque (Nm)	Clamping Force (N)	Min Torque (Nm)	Max Torque (Nm)
355	30	285	170	142.5	230	77.5	5600	315	630	7800	442.5	885	13300	750	1500
400	30	330	210	165	230	100		365	730		510	1020		875	1750
450	30	380	260	190	230	125		422.5	845		590	1180		1007.5	2015
500	30	430	310	215	230	150		477.5	955		667.5	1335		1140	2280
560	30	490	370	245	230	180		545	1090		762.5	1525		1300	2600
630	30	560	440	280	230	215		622.5	1245		870	1740		1485	2970
710	30	640	520	320	230	255		715	1430		998.5	1997		1702.5	3405
800	30	730	610	365	230	300		817.5	1635		1139	2278		1942	3884

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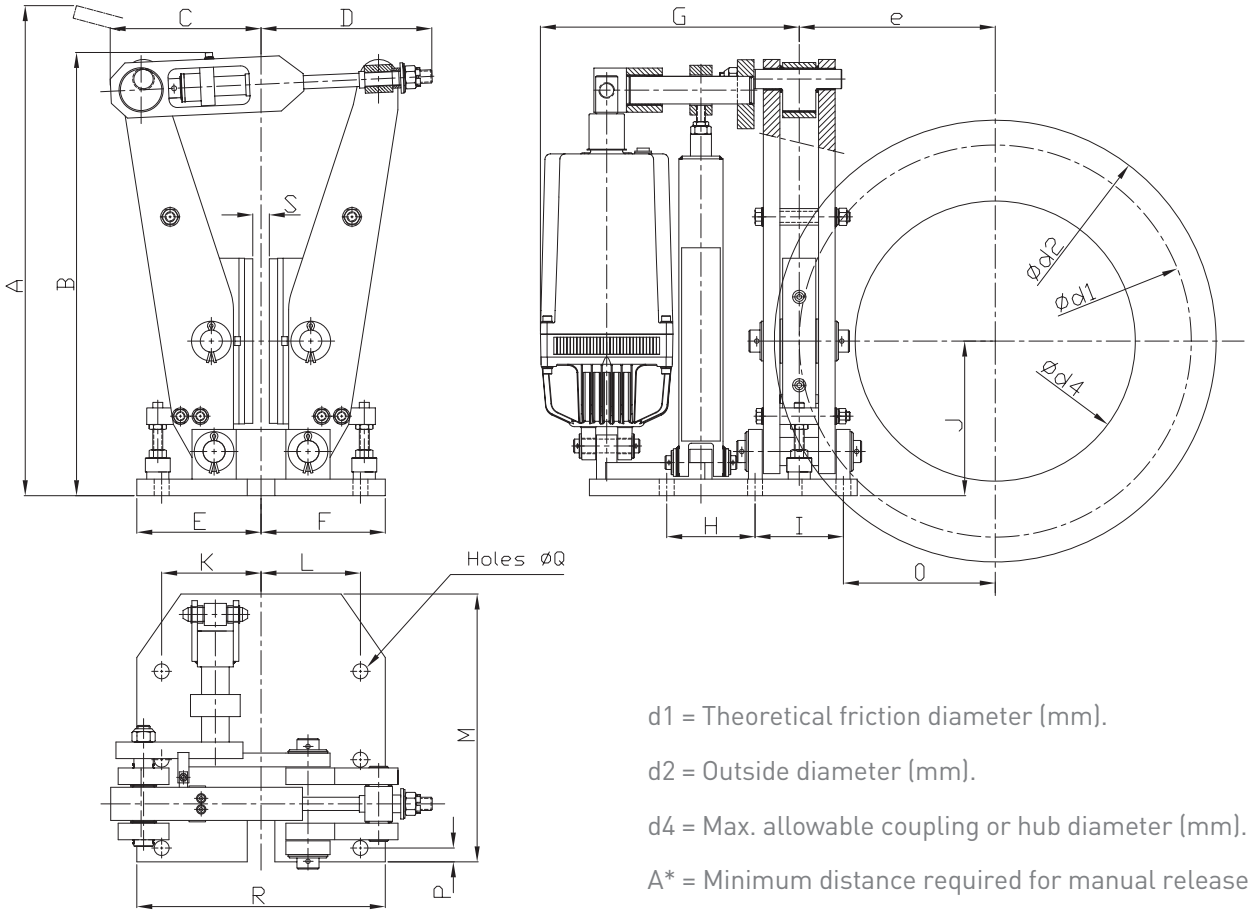
Friction coefficient μ=0,4. Dimension values are in mm.

FBT - 34



d1 = Theoretical friction diameter (mm).

d2 = Outside diameter (mm).

d4 = Max. allowable coupling or hub diameter (mm).

A* = Minimum distance required for manual release lever.

A	B	C	D	E	F	G	H	I	K	L	M	P	Q	R	WEIGHT
1130	830	275	310	225	225	475	160	160	180	180	485	25	27	450	234 kg

Disc information							THRUSTOR type								
							TH-III (1306)			TH-III (2006)			TH-III (3006)		
d2	S	d1	d4	e	J	O	Clamping Force (N)	Min Torque (Nm)	Max Tor-que (Nm)	Clamping Force (N)	Min Torque (Nm)	Max Tor-que (Nm)	Clamping Force (N)	Min Torque (Nm)	Max Torque (Nm)
450	30	350	170	175	280	95		1490	2980		2288	4575		3490	6980
500	30	400	220	200	280	120		1695	3390		2600	5200		3975	7950
560	30	460	280	230	280	150		1945	3890		2988	5975		4560	9120
630	30	530	350	265	280	185		2235	4470		3430	6860		5225	10450
710	30	610	430	305	280	225	20700	2565	5130	31500	3940	7880	46000	6000	12000
800	30	700	520	350	280	270		2938	5875		4515	9030		6850	13700
900	30	800	620	400	280	320		3312	6624		5040	10080		7850	15700
1000	30	900	720	450	280	370		3726	7452		5670	11340		8800	17600
1250	30	1150	970	575	280	495		5175	10350		7875	15750		11500	23000

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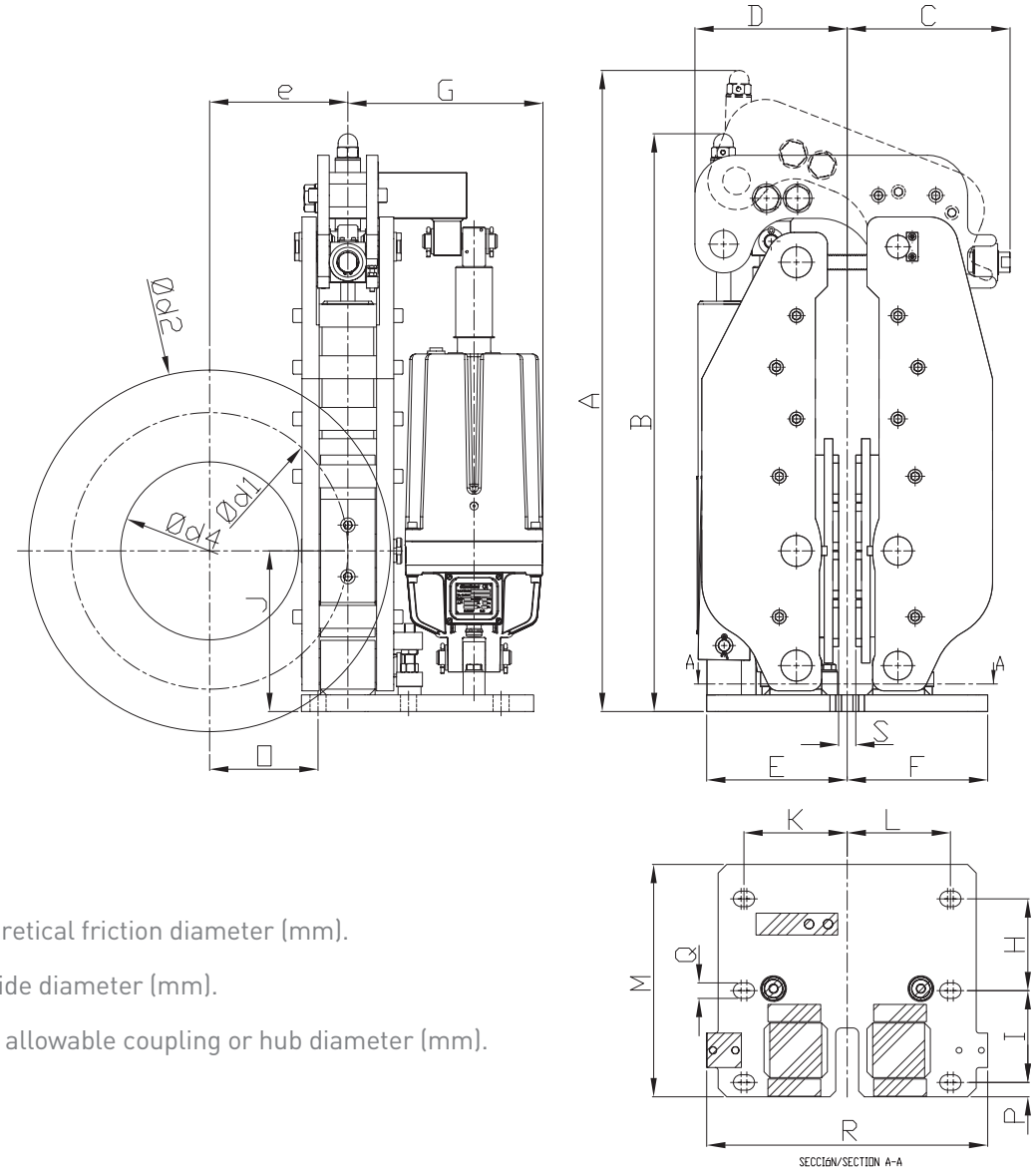
Friction coefficient μ=0,4. Dimension values are in mm.

FDA-92



d1 = Theoretical friction diameter (mm).

d2 = Outside diameter (mm).

d4 = Max. allowable coupling or hub diameter (mm).

A	B	C	D	E	F	G	H	I	K	L	M	P	Q	R	WEIGHT
1117	1007	284	298	253.5	253.5	340	160	160	180	180	405	25	27	490	400 kg

Disc information							THRUSTOR type TH-III (4010) +C		
d2	S	d1	d4	e	J	O	Clamping Force (N)	Min Torque (Nm)	Max Torque (Nm)
630	30	482	310	241	280	185	92000	8869	17738
710	30	562	390	281	280	225		10341	20682
800	30	652	480	326	280	270		11997	23994
900	30	752	580	376	280	320		13837	27674
1000	30	852	680	426	280	370		15677	31354
1250	30	1102	930	551	280	495		20277	40554

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Friction coefficient μ=0,4. Dimension values are in mm.

OPTIONS

1. Automatic lining wear adjustment (RA).

2. Mechanical or inductive open brake switch indicator (CSA).

3. Standard or inductive lining wear indicator (DD).

4. Hand release lever (DM).

5. Descent valve (VD).

6. Special paint (PE).

7. Hydraulic or pneumatic release.

8. ATEX certificated thrustor.

9. Special bolts (stainless steel, galvanized).

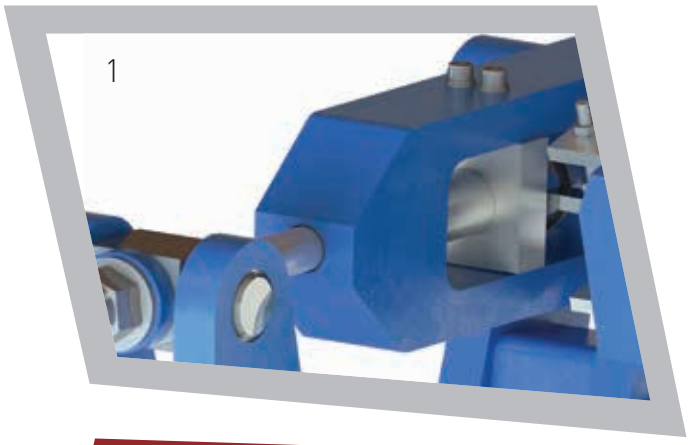
10. Thrustor's stroke linear detector (DL).

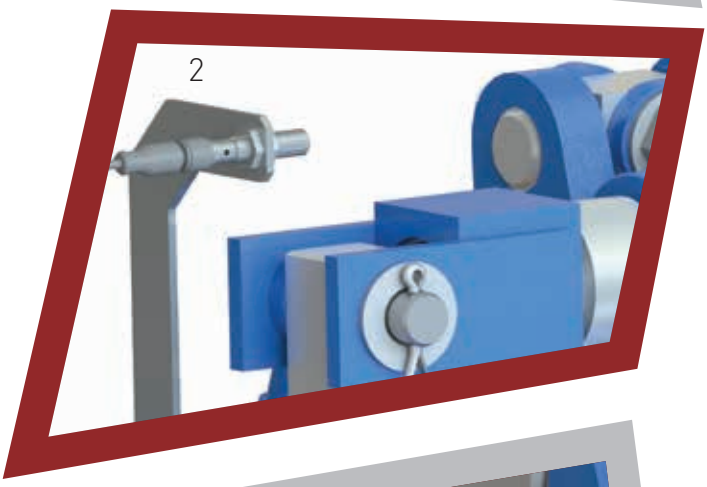
11. Sintered metal linings.

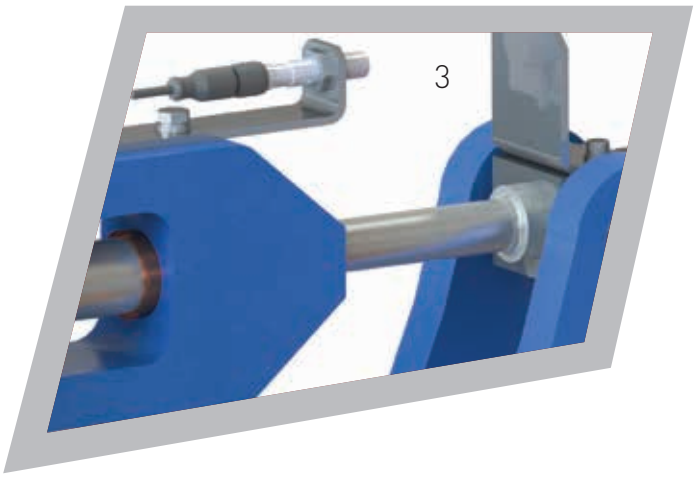
12. Lining temperature indicator.

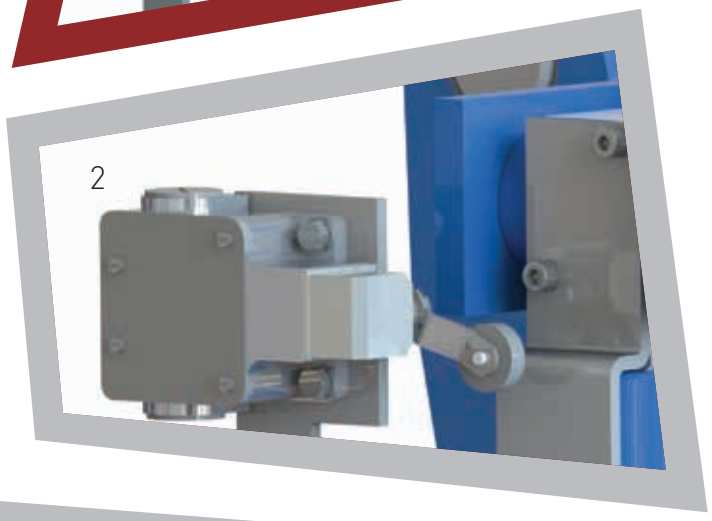
13. Clamping force indicator.

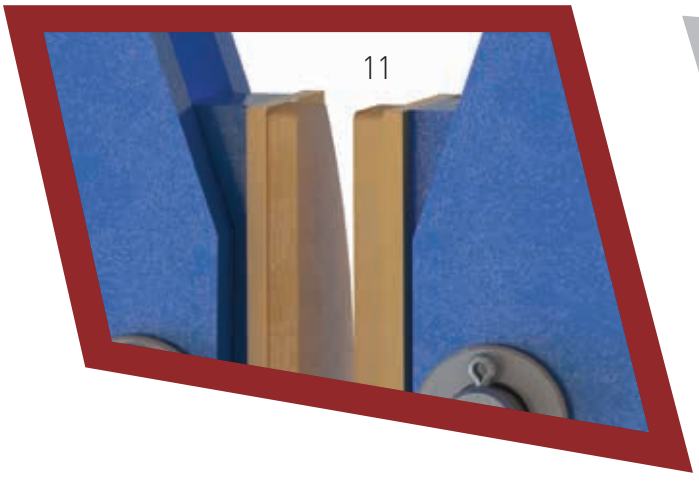
14. Right/left hand version.

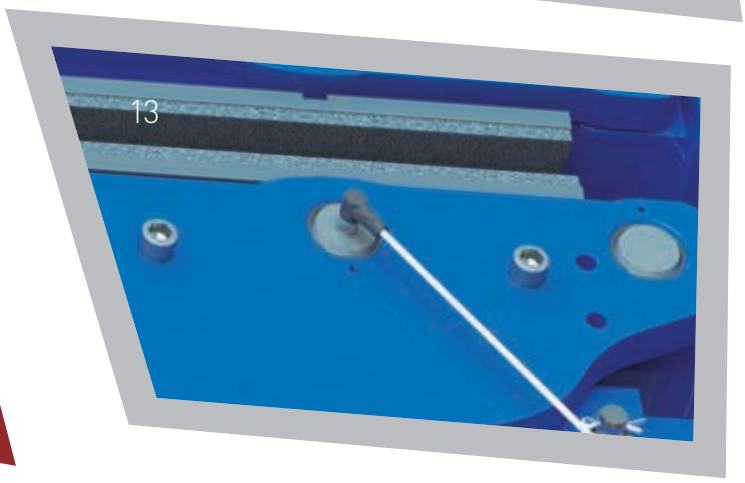












For further information about options, please contact the Antec Sales Department (sales@antecsa.com)

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