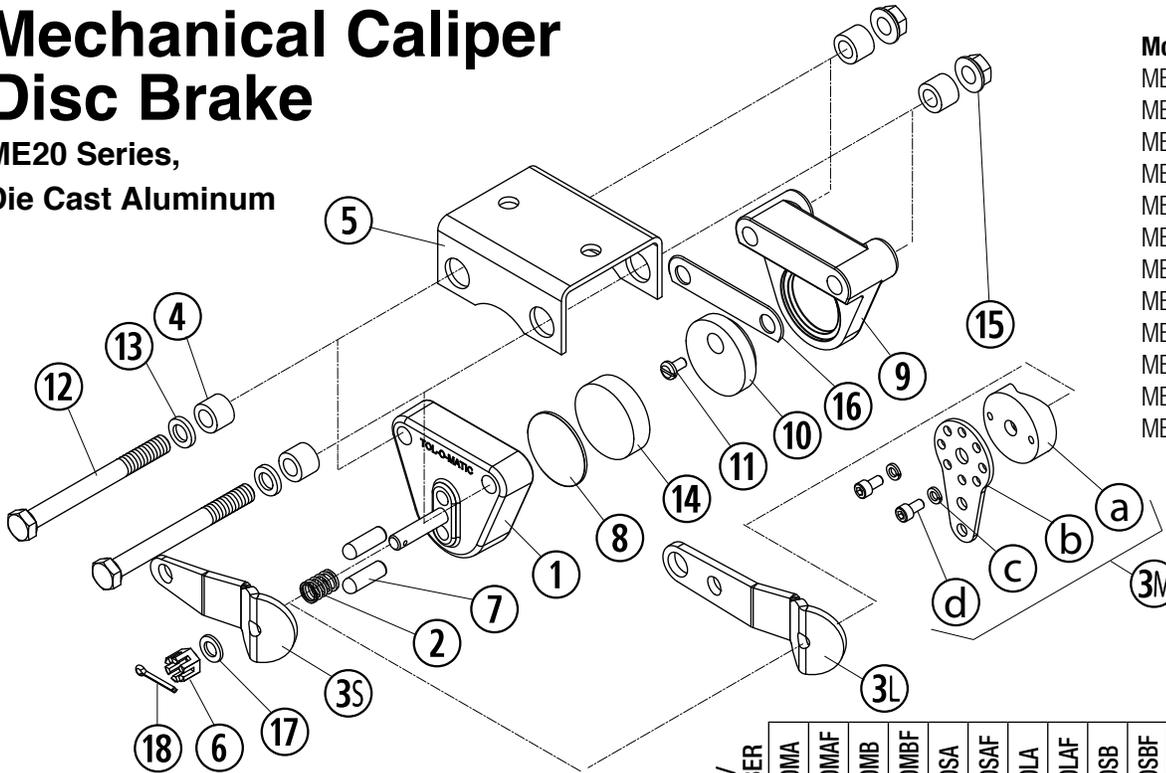


Mechanical Caliper Disc Brake

ME20 Series,
Die Cast Aluminum



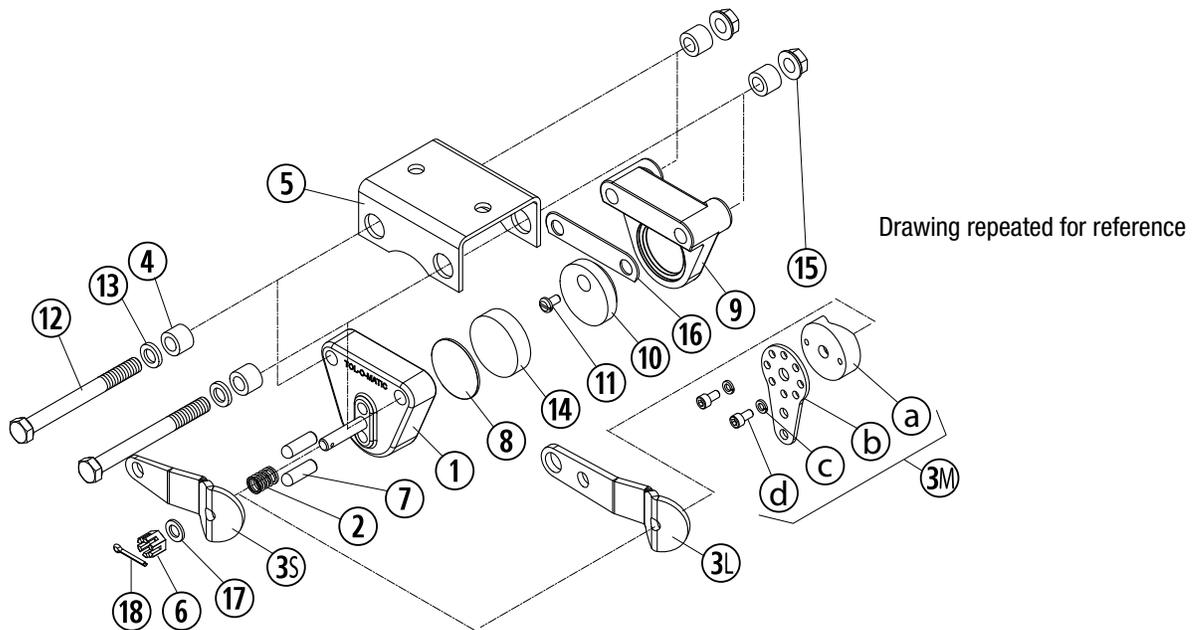
Models:

ME20MA	0726-0000
ME20MAF	0726-0001
ME20MB	0726-0002
ME20MBF	0726-0003
ME20SA	0731-0000
ME20SAF	0731-0001
ME20LA	0731-0003
ME20LAF	0731-0002
ME20SB	0731-0007
ME20SBF	0731-0004
ME20LB	0731-0005
ME20LBF	0731-0006

NOTE: This mechanical caliper is not self compensating for wear. It must be adjusted during initial installation and periodically thereafter throughout the Lining's life.

ITEM	PART NO.	DESCRIPTION	ASSEMBLY / MODEL NUMBER											
			0726-0000/ME20MA	0726-0001/ME20MAF	0726-0002/ME20MB	0726-0003/ME20MBF	0731-0000/ME20SA	0731-0001/ME20SAF	0731-0003/ME20LA	0731-0002/ME20LAF	0731-0007/ME20SB	0731-0004/ME20SBF	0731-0005/ME20LB	0731-0006/ME20LBF
1.	0726-1002	Live Side Housing	1	1	1	1	1	1	1	1	1	1	1	1
2.	0707-1004	Compression Spring	1	1	1	1	1	1	1	1	1	1	1	1
3M.	0707-1006	3a. Cam	1	1	1	1								
	0707-1007	3b. Lever Arm	1	1	1	1								
	0707-1011	3c. Lock Washer	2	2	2	2								
	0707-1012	3d. Screw	2	2	2	2								
3S.	0707-1013	Lever Cam (1.75")					1	1			1	1		
3L.	0743-1013	Lever Cam (3.50")							1	1			1	1
4.	0743-1071	Sleeve		4		4		4		4		4		4
5.	0726-1016	Floating Mount Bracket		1		1		1		1		1		1
6.	0707-1008	Nut, Castle	1	1	1	1	1	1	1	1	1	1	1	1
7.	0707-1005	Actuating Pin	2	2	2	2	2	2	2	2	2	2	2	2
8.	0726-1003	Back Plate	1	1	1	1	1	1	1	1	1	1	1	1
9.	0724-1011	Dead Side Housing	1	1	1	1	1	1	1	1	1	1	1	1
10.	0720-1024	Puck, Dead Side	1	1	1	1	1	1	1	1	1	1	1	1
11.	0720-1026	Pan Head Screw	1	1	1	1	1	1	1	1	1	1	1	1
12.	3010-1011	Hex Head Bolt	2		2		2		2		2		2	
	0724-1105	Hex Head Bolt		2		2		2		2		2		2
13.	0720-1007	Flat Washer	2		2		2		2		2		2	
14.	0720-1010	Puck, Live Side	1	1	1	1	1	1	1	1	1	1	1	1
15.	0720-1008	Nut, Lock	2	2	2	2	2	2	2	2	2	2	2	2
16.	0743-1004	Spacer			1	1				1	1	1	1	1
17.	0701-1007	Flat Washer	1	1	1	1	3	4	3	4	3	3	3	3
18.	0743-1048	Pin, Cotter	1	1	1	1	1	1	1	1	1	1	1	1

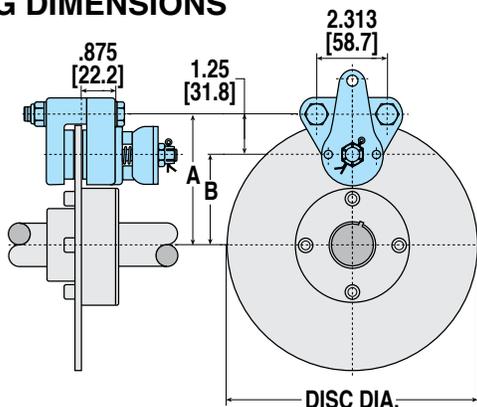
NOTE: Items marked with capital letters are used only in models with those letter suffixes. Model number letter suffixes mean: **A**: indicates the brake is designed for a 5/32" (3.97mm) thick disc; **B**: indicates the brake is designed for a 1/4" (6.35mm) thick disc; **M**: indicates the brake has a machined cam; **S**: indicates the brake has a short lever arm; **L**: indicates the brake has a long lever arm; **F**: indicates the brake has a Floating Mount Bracket.



1. Disconnect the Brake Lever (#3) from its linkage.
2. Remove the brake or the brake and mounting bracket from its mounting area.
3. Remove the two Hex Head Bolts (#12) and take the two halves of the brake apart.
4. Remove the Flat Head Screw (#11) from the Dead Side Puck (#10) and place it aside. Then, remove both pucks (#10 and #14).
5. Take the Flat Head Screw (#11) and apply Loctite® on its threads. Then, use it to attach the new Dead Side Puck (#10) to the Dead Side Housing (#9), torquing it to 20 in-lbs (2.26 N-m).
6. When reassembling the brake, lubricate the Actuating Pins (#7) with a dry graphite lubricant. Then reinstall the two Hex Head Bolts (#12), with the two Washers (#13) [or Sleeves (#4) and Bracket (#5) for "F" models] and the two Lock Nuts (#15) and torque to 480 in-lbs (54.23 N-m).
7. Mount the brake unit back in its location with two SAE Grade 5 Hex Head Bolts, torquing to 264 in-lbs (29.83 N-m).
8. Care must be taken in mounting the brake to make certain the puck faces are parallel to the disc. The proper clearance between each puck and each side of the disc is 0.010 inch (0.25 mm) to 0.031 inch (0.79 mm).
9. To prevent excessive wear, be certain the disc does not rub against the brake housing or against the pucks while they are in the retracted position.
10. The disc must be free of dirt and grease for maximum life and braking performance.
11. The maximum allowable lever force is 225 lbf (1,000.9 N) for the 3.50" (8.89 cm) long Lever Arm (#3L) and 450 lbf (2,001.7 N) for both of the other levers (#3S & #3M).

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MOUNTING DIMENSIONS



DISC DIA.		A		B	
in	mm	in	mm	in	mm
6.313	160.3	3.531	89.7	2.281	57.9
8	203.2	4.375	111.1	3.125	79.4
10	254.0	5.375	136.5	4.125	104.8
12	304.8	6.375	162.0	5.125	130.2
16	406.4	8.375	212.7	7.125	181.0



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