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EXCELLENCE IN MOTION

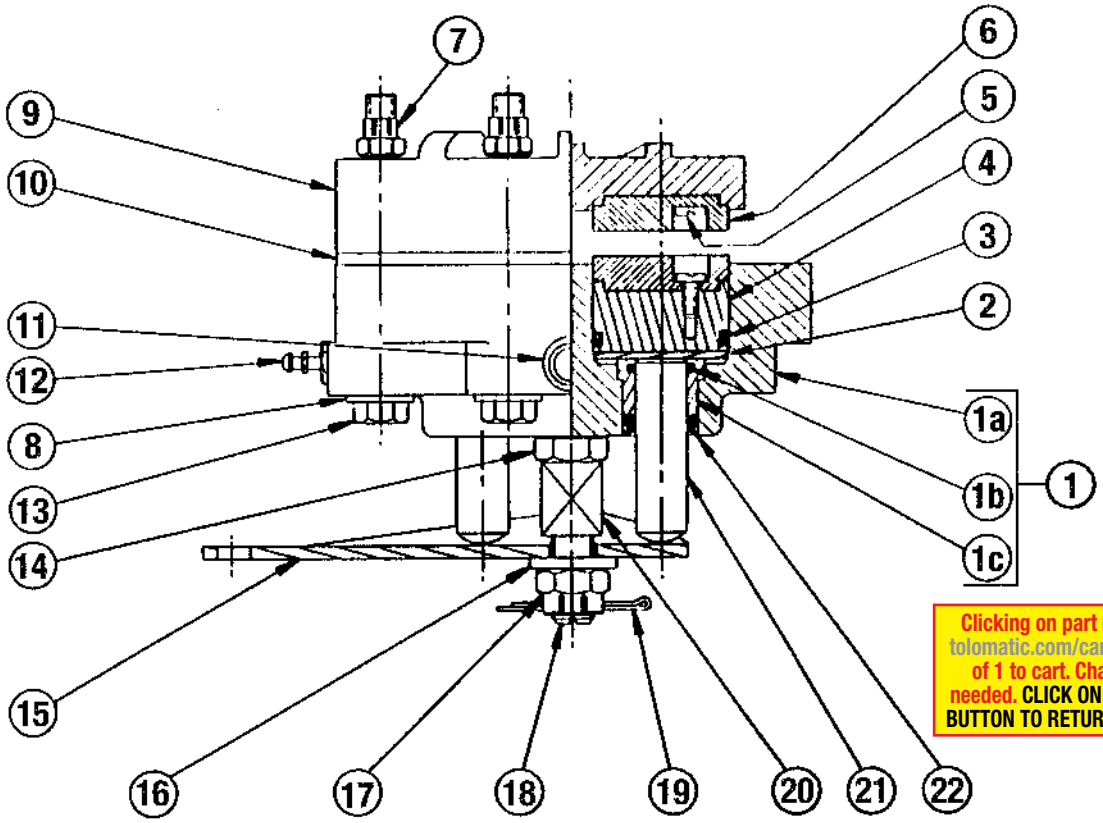
Parts Sheet

0701-0253_06

H/ME 220

Cast Aluminum
Dual Function Hydraulic/Mechanical Caliper Disc Brake

Models:
H/ME220 SACG 0744-0630
H/ME220 SBCG 0744-0640
H/ME220 SLCG 0744-0650
H/ME220 SECG 0744-0660



Clicking on part number will open tolomatic.com/cart and add quantity of 1 to cart. Change quantity as needed. CLICK ON BROWSER'S BACK BUTTON TO RETURN TO PARTS SHEET.

Click on Part No. to Add to Cart

ITEM	PART NO.	DESCRIPTION	0744-0630	0744-0640	0744-0650	0744-0660
1.	0744-9009	KIT: Housing, O-Ring & Sleeve	1	1	1	1
1a.	0744-1011	Live Side Housing	1	1	1	1
1b.	3025-1014	O-Ring, EPR	2	2	2	2
1c.	0744-1003	Flanged O-Ring Sleeve	2	2	2	2
2.	0745-1009	Back-Up Plate	2	2	2	2
3.	0720-1157	O-Ring, EPR	2	2	2	2
4.§	0720-1027	Piston	2	2	2	2
5.*§	0720-1026	Screw	4	4	4	4
6.*§	0720-1024	Puck	4	4	4	4
7.	0720-1008	Lock Nut	4	4	4	4
8.	0720-1011	Washer	4	4	4	4
9.*	0733-1068	Dead Side Housing	1	1	1	1
10.	0744-1008	Spacer, .084" thick	1			
	0733-1124	Spacer, .178" thick		1		
	0744-1009	Spacer, .303" thick			1	
	0744-1010	Spacer, .428" thick				1

Click on Part No. to Add to Cart

ITEM	PART NO.	DESCRIPTION	0744-0630	0744-0640	0744-0650	0744-0660
11.	1001-1066	Vinyl Plug, 1/8 NPT	1	1	1	1
12.	0740-1002	Bleeder Valve	2	2	2	2
13.	0724-1105	Hex Head Bolt, Grade 8		4		
	0733-1098	Hex Head Bolt, Grade 8	4		4	4
14.	0745-1015	Jam Nut	1	1	1	1
15.	0701-1021	Cam Lever	1	1	1	1
16.	1004-1145	Flat Washer	1	1	1	1
17.	0745-1067	High Hex Slotted Nut 1/2-13	1	1	1	1
18.	0745-1011	Stud	1	1	1	1
19.	0745-1066	Cotter Pin	1	1	1	1
20.	0744-1005	Compression Spring	1	1	1	1
21.	0744-1004	Actuating Pin	2	2	2	2
22.	0744-1006	Rod Wiper Seal, EPR	2	2	2	2

*	0733-9000	Dead Side Sub-Ass'y	1	1	1	1
§	0720-9007	Piston, Sub-Assembly	2	2	2	2

*Available in Dead Side Sub-Assembly 0733-9000
§Available in Piston Sub-Assembly 0720-9007

LEGEND:
C = Hydraulic Bleeders
G = EPR Seals for use with Automotive Brake Fluid
A = Spacer for 5/32" thick disc
B = Spacer for 1/4" thick disc
L = Spacer for 3/8" thick disc
E = Spacer for 1/2" thick disc

The caliper disc brakes listed in these instructions are designed to operate on hydraulic service as well as mechanically-applied parking brakes.

HYDRAULIC SERVICE: All H/ME220 model brakes have EPR seals which are for use with Automotive Brake Fluid **ONLY**.

THE H/ME 220 CALIPER DISC BRAKE IS DESIGNED TO OPERATE AT A MAXIMUM PRESSURE OF 1500 PSI (103.4 BAR).

MECHANICAL SERVICE: The maximum lever force which may be applied to the H/ME220 Series brake is 580 lbf (2,580 N).

INSTALLATION: The H/ME220 Series brake is a single-acting brake. It must therefore be mounted so that either the brake or the disc float. Two mounting holes are provided on the brake (see Mounting Dimensions chart). The customer must supply their own mounting bolts.

When mounting the brake, care should be taken that the friction puck faces remain parallel to the disc face and that the disc is clean of any dirt or grease. The proper clearance between the pucks and disc is a minimum of .010 inch to a maximum of .030 inch per side, when new. Use the Mechanical Adjustment Nut (#17) to set the proper clearance.

Connect the hydraulic pressure supply line to the 1/8-inch NPT fitting and use the Bleeder Valve (#12) to eliminate any trapped air in the line or the brake housing.

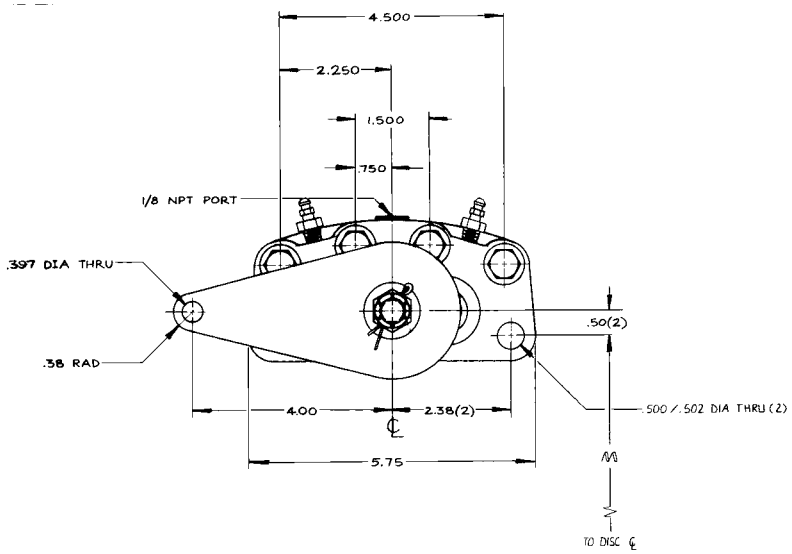
NOTE: The H/ME220 Series Brake will bleed best with the brake mounted at the 4 or 5 o'clock position on the disc with the Bleeder Valve on top.

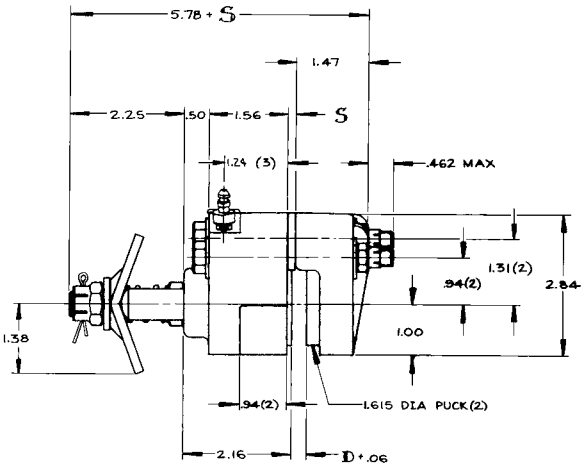
Once the brake is connected and bled, be certain that all pressure is removed when the brake is off. Residual or back pressure will cause the brake to drag, reduce puck life and cause heat buildup. If the brake is to be used with a master cylinder, be certain that any residual check valves are removed.

ADJUSTMENTS: The only adjustments which will be required are mechanical. The puck clearance should be checked periodically and readjusted if the total clearance exceeds .070 inch.

MOUNTING DIMENSIONS

"D"		Disc Ø	"M"	"S"
5/32"	A	6-5/16" disc	1.60"	3/32"
1/4"	B	8" disc	2.47"	3/16"
3/8"	L	10" disc	3.47"	5/16"
1/2"	E	12" disc	4.47"	7/16"
		16" disc	6.56"	





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