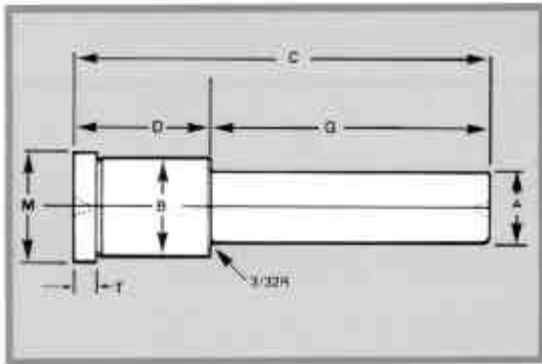
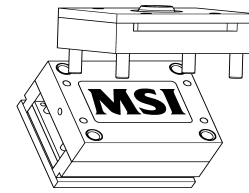
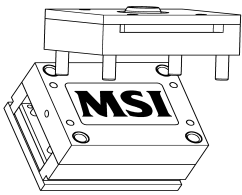


# Shoulder Leader Pins



MSI Shoulder Leader Pins are available in a standard range which has been established after careful investigation within the Plastic Molding and Pressure Diecasting Industries. The selection of the best steels, properly controlled heat treatment and grinding to high standards of accuracy ensure that MSI Leader Pins and Bushings will give long and trouble free life. Shoulder type leader pins are designed to allow the moldmaker to line bore one size hole to accept both the shoulder pin and bushing, as both the O.D. Of the shoulder and of the bushing is the same size and tolerance.

D	G	C	3/4	1"	1-1/4
			CATALOG NUMBER	CATALOG NUMBER	CATALOG NUMBER
7/8	7/8	1 3/4	70-707	—	—
	1 1/8	2 1/4	70-713	10-713	—
	1 7/8	2 5/4	70-717	10-717	—
	2 3/8	3 1/4	70-723	—	—
	2 7/8	3 5/4	70-727	10-727	—
1-3/8	7/8	2 1/4	71-307	11-307	—
	1 1/8	2 5/4	71-313	11-313	121-313
	1 7/8	3 1/4	71-317	11-317	—
	2 1/8	3 5/4	71-323	11-323	121-323
	2 7/8	4 1/4	71-327	11-327	—
	3 3/8	4 5/4	71-333	11-333	121-333
1-7/8	7/8	2 5/4	71-707	11-707	—
	1 1/8	3 1/4	71-713	11-713	121-713
	1 7/8	3 5/4	71-717	11-717	121-717
	2 1/8	4 1/4	71-723	11-723	121-723
	2 7/8	4 5/4	71-727	11-727	121-727
	3 3/8	5 1/4	71-733	11-733	121-733
	3 7/8	5 5/4	71-737	11-737	121-737
2-3/8	7/8	3 1/4	72-307	—	—
	1 1/8	3 5/4	72-313	12-313	122-313
	1 7/8	4 1/4	72-317	12-317	122-317
	2 1/8	4 5/4	72-323	12-323	122-323
	2 7/8	5 1/4	72-327	12-327	122-327
	3 3/8	5 5/4	—	12-333	122-333
	3 7/8	6 1/4	72-337	12-337	122-337
2-7/8	1 1/8	4 1/4	72-713	12-713	—
	1 7/8	4 5/4	72-717	12-717	122-717
	2 3/8	5 1/4	72-723	12-723	122-723
	2 7/8	5 5/4	72-727	12-727	122-727
	3 3/8	6 1/4	—	12-733	122-733
	3 7/8	6 5/4	72-737	12-737	122-737
	4 3/8	7 1/4	—	12-743	122-743
3-3/8	1 7/8	5 1/4	73-317	13-317	123-317
	2 3/8	5 5/4	73-323	13-323	123-323
	2 7/8	6 1/4	—	13-327	123-327
	3 3/8	6 5/4	73-333	13-333	123-333
	4 3/8	7 3/4	—	13-343	123-343
3-7/8	2 3/8	6 1/4	73-723	13-723	123-723
	2 7/8	6 5/4	73-727	13-727	123-727
	3 3/8	7 1/4	—	—	123-733
	3 7/8	7 5/4	—	13-737	123-737
	4 7/8	8 1/4	—	13-747	123-747
4-3/8	2 7/8	7 1/4	—	14-327	124-327
	3 3/8	7 5/4	—	—	124-333
	3 7/8	8 1/4	—	14-337	124-337
	4 3/8	8 5/4	—	14-343	—
	4 7/8	9 1/4	—	—	124-347
4-7/8	3 7/8	8 5/4	—	14-737	124-737
	4 3/8	9 1/4	—	14-743	124-743
	4 7/8	9 5/4	—	14-747	124-747
	5 7/8	10 1/4	—	—	124-757
5-7/8	3 7/8	9 5/4	—	15-737	125-737
	4 3/8	10 1/4	—	—	125-743
	4 7/8	10 5/4	—	15-747	125-747
	5 7/8	11 1/4	—	15-757	125-757

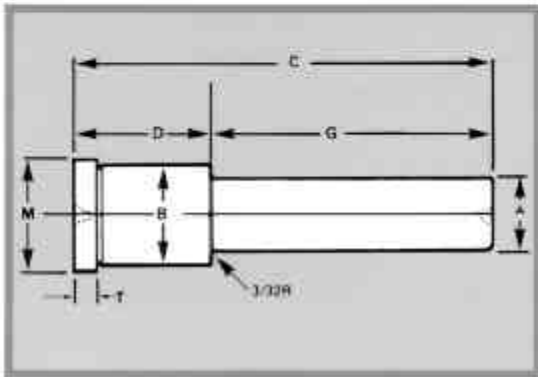


# Shoulder Leader Pins

1/2 & 17/32



D	G	C	1/2	17/32
			CATALOG NUMBER	CATALOG NUMBER
7/8	7/8	1 3/4	500-707	530-707
	1 3/8	2 1/4	500-713	530-713
	1 7/8	2 3/4	500-717	530-717
	2 3/8	3 1/4	500-723	530-723
1 3/8	7/8	2 1/4	501-307	531-307
	1 3/8	2 3/4	501-313	531-313
	1 7/8	3 1/4	501-317	531-317
1 7/8	7/8	2 3/4	501-707	531-707
	1 3/8	3 1/4	501-713	531-713
	1 7/8	3 3/4	501-717	531-717
2 3/8	7/8	3 1/4	502-307	532-307
2 7/8	1 3/8	4 1/4	502-713	532-713

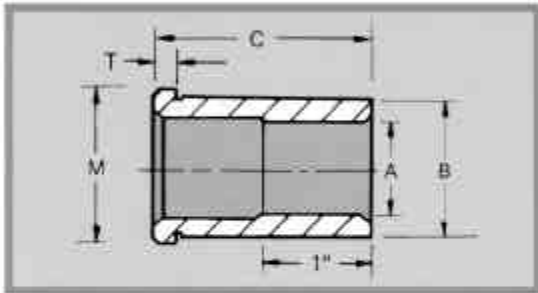


GENERAL DIMENSIONS & TOLERANCES				
NOMINAL SIZE	A	B	M	T
1/2"	0.499	0.751	0.853	3/16
17/32"	0.530	0.751	0.853	3/16
	+ .0000 - .0005	+ .0005 - .0000	(MAX)	



# Bushings

1/2 & 17/32

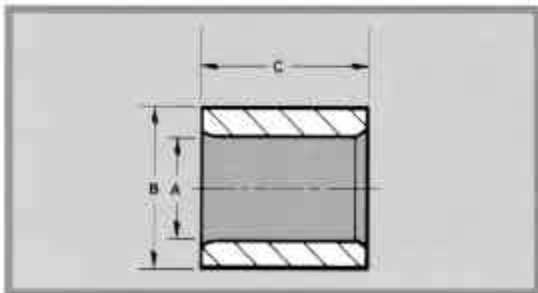


## SHOULDER

C	1/2	17/32
	CATALOG NUMBER	CATALOG NUMBER
7/8	505-690	535-690
1 3/8	505-691	535-691
1 7/8	505-692	535-692
2 3/8	505-693	535-693

## STRAIGHT

C	1/2	17/32
	CATALOG NUMBER	CATALOG NUMBER
7/8	505-498	535-498
1 3/8	505-499	535-499



GENERAL DIMENSIONS & TOLERANCES				
NOMINAL SIZE	A	B	M	T
1/2	0.500	0.7505	0.853	3/16
17/32	0.531	0.7505	0.853	3/16
	+ .0005 - .0000	+ .0005 - .0000	(MAX)	