

LM76

1-800-513-3163

www.LM76.com

LINEAR BEARING STYLE
T = TEFLON COMPOSITE
B = RECIRCULATING BALL
C = CROSS ROLLER

BALL SCREW SUPPORT
1 = JOURNAL BLOCK AT DRIVE END
2 = JOURNAL BLOCK AT BOTH ENDS

RAIL SUPPORT
BLANK = FULL PROFILE
L = LOW PROFILE

T2LRPS-08-016-AR0Z

SIZE (DIA)
08 = .500
10 = .625
12 = .750
16 = 1.000
20 = 1.250
24 = 1.500
32 = 2.500

"L" GUIDE BAR STANDARD LENGTHS (INCHES)	
SIZE MIN	MAX
08 .008, .012, .016, ETC. IN 4.000 (J) INCREMENTS TO 140	
10 .008, .012, .016, ETC. IN 4.000 (J) INCREMENTS TO 140	
12 .012, .016, .024, ETC. IN 6.000 (J) INCREMENTS TO 138	
16 .012, .016, .024, ETC. IN 6.000 (J) INCREMENTS TO 138	
20 .012, .016, .024, ETC. IN 6.000 (J) INCREMENTS TO 138	
24 .016, .024, .032, ETC. IN 8.000 (J) INCREMENTS TO 136	
32 .024, .032, .040, ETC. IN 8.000 (J) INCREMENTS TO 136	

BLANK = STANDARD SINGLE NUT.
Z = ZERO BACKLASH DOUBLE,
OR INTEGRAL, PRE-LOADED NUT

STANDARD & SELECT - BALL SCREW LEAD CODE TABLE											
SIZE	AVAILABLE LEAD CODES						LEAD CODES				
08	AR?	AL?			CR?		AR?	= .200	RIGHT HAND		
10	AR?	AL?			CR?		AL?	= .200	LEFT HAND		
12	AR?	AL?			CR?		BR?	= .250	RIGHT HAND		
							BL?	= .250	LEFT HAND		
16			BR?	BL?	CR?	DR?	CR?	= .500	RIGHT HAND		
20			BR?	BL?	CR?	DR?	DR?	= 1.000	RIGHT HAND		
24			BR?	BL?	CR?	DR?	DL?	= 1.000	LEFT HAND		
32			BR?	BL?	CR?	DR?	ER?	= 1.875	RIGHT HAND		

REPLACE ? WITH 0 FOR STANDARD LEAD ACCURATE TO LESS THAN .007" PER FOOT ACCUMULATIVE.

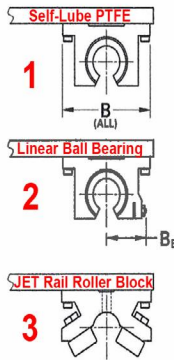
REPLACE ? WITH 1 FOR SELECT LEAD ACCURATE TO LESS THAN .003" PER FOOT ACCUMULATIVE.

SEE PAGES XX & XX FOR CRITICAL SPEED DATA

*OTHER SCREW VARIATIONS AVAILABLE:

- PRECISION ROLLED (.001"/FT)
- PRECISION GROUND (.0003-.0005"/FT)
- METRIC DIAMETERS AND LEADS
- MODIFIED ACME PROFILE LEAD SCREWS WITH LEADS FROM .062 - 3.000" /REV

3 Pillow Block Options:



RPS = STANDARD SLIDE WITHOUT ANY ATTACHED DRIVE OPTION.

BASIC NEMA 23 MOUNTING KIT (INCLUDES RISERS, MOTOR PLATE, AND LOW BACKLASH COUPLING)

23A = FOR NEMA 23 MOTOR (REF. .250" DIA MOTOR SHAFT)

23B = FOR NEMA 23 MOTOR (REF. .312" DIA MOTOR SHAFT)

23C = FOR NEMA 23 MOTOR (REF. .375" DIA MOTOR SHAFT)

Y01 = FOR SGM-A3, -A5, OR -01 MOTORS (REF. 8MM DIA MOTOR SHAFT)

Y02 = FOR SGM-02, -03, OR -04 MOTORS (REF. 14MM DIA MOTOR SHAFT)

BASIC NEMA 34 MOUNTING KIT (INCLUDES RISERS, MOTOR PLATE, AND LOW BACKLASH COUPLING)

34C = FOR NEMA 34 MOTOR (REF. .375" DIA MOTOR SHAFT)

34D = FOR NEMA 34 MOTOR (REF. .500" DIA MOTOR SHAFT)

YP1 = FOR SGMP-01 MOTOR (REF. 8MM DIA MOTOR SHAFT)

YP2 = FOR SGMP-02, -03, OR -04 MOTORS (REF. 14MM DIA MOTOR SHAFT)

MANY OTHER STANDARD DRIVE CONFIGURATIONS AVAILABLE (IE. INDRAMAT, FANUC, PACIFIC SCIENTIFIC, ALLEN BRADLEY, YASKAWA, BALDOR, ETC.)

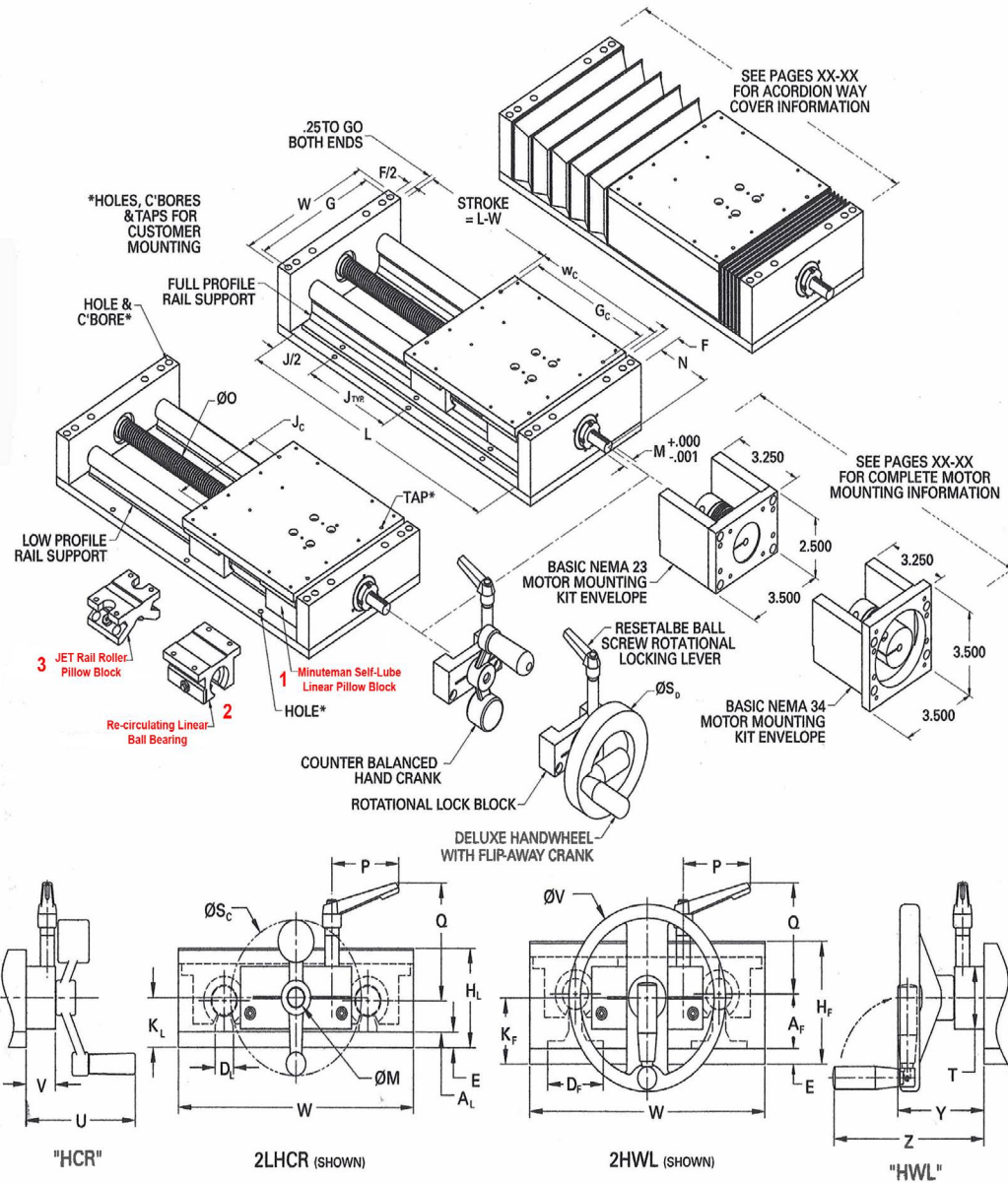
HAND POWERED OPTIONS (INCLUDES HAND CRANK AND BALL SCREW ROTATIONAL LOCK ASSY.)

HCR = CAST ALUMINUM HAND CRANK (RIGID CAST IRON HANDWHEEL FOR SIZES 24 & 32)

HWL = DELUXE HAND WHEEL WITH FLIP-AWAY HANDLE

DIMENSIONS

SIZE	GUIDE BAR DIA	W & W _C	H _F	H _L	A _F	A _L	B	B _B	C	D _F	D _L	E	F	G & G _C	J & J _C	K _F	K _L	M	N
08	.500	6.000	2.582	2.000	1.125	.563	2.00	.90	3.500	1.50	.37	.375	.75	5.50	4.000	1.375	1.000	.375	1.45
10	.625	7.000	2.750	2.312	1.125	.688	2.50	1.09	4.000	1.62	.45	.375	.75	6.31	4.000	1.375	1.156	.375	1.45
12	.750	8.000	3.438	2.688	1.500	.750	2.75	1.16	4.500	1.75	.51	.500	1.00	7.12	6.000	1.500	1.344	.375	1.45
16	1.000	9.000	3.938	3.188	1.750	1.000	3.25	1.46	5.500	2.12	.69	.500	1.00	8.31	6.000	2.125	1.594	.625	1.76
20	1.250	11.00	5.125	4.188	2.125	1.188	4.00	1.83	6.500	2.50	.78	.750	1.25	10.00	6.000	2.375	2.094	.625	1.76
24	1.500	13.00	5.750	4.625	2.500	1.375	4.75	2.09	8.000	3.00	.93	.750	1.25	12.00	8.000	2.875	2.312	.625	1.76
32	2.000	18.00	7.375	5.875	3.250	1.750	6.00	2.64	10.00	3.75	1.18	1.000	1.50	15.88	8.000	3.875	2.937	.625	1.76



DIMENSIONS

SIZE	O	P	Q	R	S _C	S _O	T	U	V	Y	Z	HOLE	KEY	TAP
08	.631	2.56	3.85	3.000	4.00	4.00	1.312	4.000	.875	2.655	4.855	.22	3/32 sq x 5/8 lg	10-24
10	.631	2.56	3.85	3.000	4.00	4.00	1.312	4.000	.875	2.655	4.855	.28	3/32 sq x 5/8 lg	1/4-20
12	.631	2.56	3.85	3.000	4.00	4.00	1.312	4.000	.875	2.655	4.855	.28	3/32 sq x 5/8 lg	1/4-20
16	1.000	2.56	3.69	4.250	6.00	5.00	2.000	4.250	1.125	3.185	5.745	.28	3/16 sq x 1.0 lg	1/4-20
20	1.000	2.56	3.69	4.250	6.00	5.00	2.000	4.250	1.125	3.185	5.745	.34	3/16 sq x 1.0 lg	5/16-18
24	1.000	3.15	5.81	6.500	8.00	8.00	3.000	6.900	1.500	4.310	7.460	.34	1/4 sq x 1.62 lg	5/16-18
32	1.000	3.15	5.81	6.500	8.00	8.00	3.000	6.900	1.500	4.310	7.460	.41	1/4 sq x 1.62 lg	3/8-16