"L" & "S" Series Linear Slides

Basic Model Selection

"S" Series (short) – single bearing block design, short overall length. (Photo this page)
"L" Series (long) – double bearing block design, increased bearing support. (Photo on next page)
Determine load capacity required and select a slide with appropriate guide shaft diameters and bearing block design. Use the convenient sizing guide at the right to determine safe loading and shaft deflections for various stroke lengths.

"S" Series- pictured here
"L" Series- photo on next page

Pre-lubricated: All cylinders are factory lubricated with special high endurance oil.

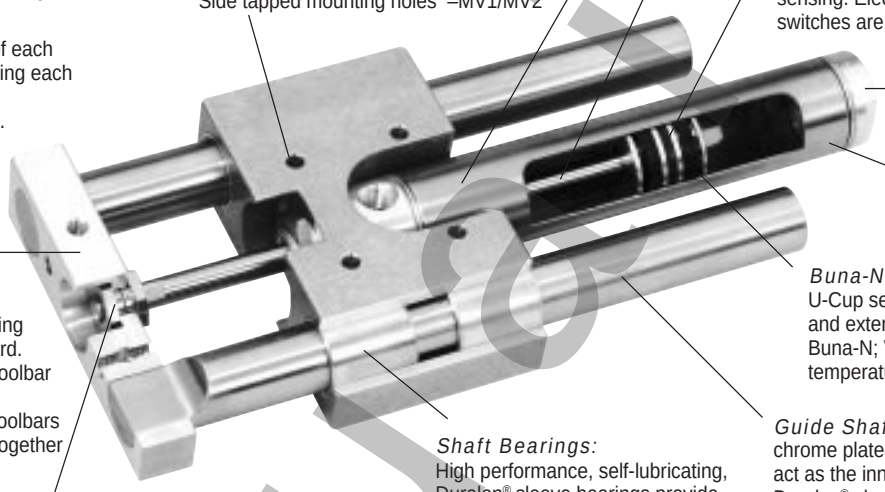
Pre-Tested: The quality of each assembly is assured by testing each unit for leakage and binding resistance prior to shipment.

Bearing Block: Clear anodized aluminum with precision machined mounting surfaces.
Choice of Mounting Styles:
Thru mounting holes (shown) –MH1
Bottom tapped mounting holes –MH2
Flange mount style ("S" only) –MF1
Side tapped mounting holes –MV1/MV2

Air Cushions (see photos page 29): Available on all models except "250" and "375" sizes

Piston Rod Assembly: Ground & Polished Type 303 Stainless Steel

Magnetic Piston Band: Standard on all units (except 5/16" bore) for position sensing. Electronic sensors and reed switches are offered as accessories.



End Caps: High strength, clear anodized aluminum alloy

Cylinder Body: Type 304 Stainless Steel tubing

Front Toolbar
Clear anodized aluminum, machined top & front for squareness. Tapped mounting holes top & front are standard.
Code – T1: Optional blank toolbar (no mounting holes)
Codes –T5 & T6: Optional toolbars for joining dissimilar slides together for X-Y motion.

Buna-N U-Cup Rod & Piston Seals: U-Cup seals provide low breakaway friction and extended seal life. Standard seals are Buna-N; Viton seals are available for high temperatures.

Guide Shafts: Large diameter hard chrome plated stainless steel shafts act as the inner race for the precision Duralon® sleeve bearings and provide a rigid attachment point for the toolbar.

Shaft Bearings: High performance, self-lubricating, Duralon® sleeve bearings provide smooth guided action for long life.

Floating Coupler: Prevents cylinder rod binding ensuring higher cycle life.

Duralon® is a registered trademark of Rexnord Corp.

Engineering Data

Model	S250	L250	S375	L375	S500	L500	S750	L750	S1000	L1000	S1250	L1250	S3-1250	L3-1250
Guide Shaft Diameter	1/4"		3/8"		1/2"		3/4"		1"		1-1/4"		1-1/4"	
Bore	5/16"		5/8"		3/4"		1-1/16"		1-1/2"		2"		3"	
Power Factor Extend	.07		.31		.44		.89		1.77		3.14		7.07	
Power Factor Retract	.06		.28		.39		.81		1.62		2.84		6.63	
Weight, lbs. @ zero stroke	.17	.19	.46	.57	1.00	1.22	1.89	2.38	6.04	6.33	10.16	11.47	18.15	17.97
Add per inch of stroke	.04	.07	.07	.13	.18	.25	.30	.54	.53	.96	.59	1.02	.71	1.14
Standard Strokes	1/2" to 2" by 1/2" 3" & 4"		1/2" to 2" by 1/2" 3" to 6" by 1"		1" to 4" by 1" 6" to 12" by 2"				1" to 4" by 1" 6" to 24" by 2"					

Pressure Rating: Maximum operating pressure is 150 psi Air

Output Force: Output Force = Pressure X Power Factor

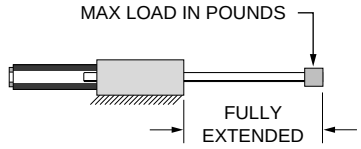
Speed: Safe speed range is determined by a number of factors. The most important consideration is total reciprocating weight. High loads combined with high speeds can develop severe and damaging impact loads. For speeds over 10 inches per second use optional extend and retract bumper package and/or air cushions.

Accuracy: The toolbar rod coupler design allows clearance for piston rod float to protect against binding. At full extension, the toolbar will exhibit a small amount of axial end play. The actual toolbar travel may vary slightly from nominal as a result. In applications requiring extreme accuracy, adjustable stop collars should be used in conjunction with a longer stroke length to eliminate the effect of end play.
Running clearances are required between the sleeve bearings and guide shafts. The minimal resultant toolbar free play due to these running clearances is not included in the tabulated load limits (see table on next page).

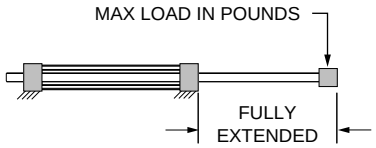
Low cost, yet rugged, sleeve bearing type linear slides

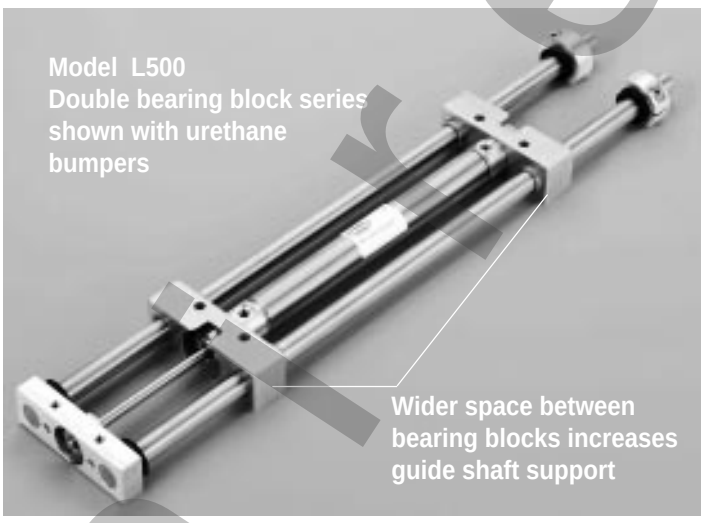
Load Sizing Guide

S Series – Single Bearing Block (Short)



L Series – Double Bearing Block (Long)





Load Limits: Safe loading involves a combination of factors including: bearing capacity, shaft strength and allowable deflection, life expectancy, how the load is applied, and how fast the load is accelerated/decelerated.

DO NOT OVERLOAD – overloading can cause reduced product life, shaft bending and loss of positional accuracy, as wellas seal and bearing failure. ***CAUTION***: Heavy reciprocating loads can cause damaging impact forces at end of stroke.It may be necessary to use stop collars and/or bumpers, or air cushions (except "250" and "375" model sizes), or reduce speeds to avoid damage to slide and/or tooling.

SAFE LOADS (lbs.)

Model Number	Stroke 1/2"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	Maximum Deflection
S250	3.7	3.7	3.0	2.1	1.5	1.0											.005"
	3.7	3.7	3.7	3.7	3.0	2.0											.015"
L250	5.0	5.0	4.0	2.5	1.7	1.2											.005"
	5.0	5.0	5.0	5.0	5.0	3.0											.015"
S375	7.5	7.5	7.5	7.5	4.8	2.5	1.5										.005"
	7.5	7.5	7.5	7.5	7.5	7.5	4.5										.015"
L375	10	10	10	10	6.0	3.5	2.5										.005"
	10	10	10	10	10	10	7.0										.015"
S500		18.7		18.7	14	5.8	2.5		1.2	0.8							.005"
		18.7		18.7	18.7	16	6.8	4.5	2.1	1.7							.015"
L500		25		22	15	7.0	3.0		1.5	1.0							.005"
		25		25	25	25	8.0	5.0	2.5	2.0							.015"
S750		30		30	20	13	5.0		2.5	2.0							.005"
		30		30	30	30	28	15	8.5	5.0							.015"
L750		40		40	35	23	10		4.0	2.5							.005"
		40		40	40	40	35	19	10	6.0							.015"
S1000		55		55	55	55	20		10	8.2	7.0	5.0	2.0	1.6	0.9	0.5	.005"
		55		55	55	55	55	50	35	18	12.0	7.5	5.0	4.5	2.8	0.9	.015"
L1000		70		70	70	70	32		16.4	12	10.5	8.0	5.4	3.1	1.4	0.7	.005"
		70		70	70	70	70	70	40	22	18.0	15.0	11.0	6.0	4.0	1.7	.015"
S1250		95		95	95	95	95	95	45	25	16.6	10.9	8.0	5.1	4.5	3.9	.005"
		95		95	95	95	95	95	95	95	54.0	39.0	22.7	17.5	13.0	8.5	.015"
L1250		125		125	125	125	125	125	70	39	26.0	17.0	12.5	8.0	7.0	5.5	.005"
		125		125	125	125	125	125	125	125	84.0	60.0	35.5	27.5	18.5	16.0	.015"
S3-1250		220		220	220	220	150	105	55	35	23.0	15.3	11.2	8.0	7.0	5.5	.005"
		220		220	220	220	220	220	150	122	74.0	55.0	31.8	27.5	18.5	16.0	.015"
L3-1250		280		280	280	280	256	130	70	39	26.0	17.0	12.5	8.0	7.0	5.5	.005"
		280		280	280	280	280	280	190	136	84.0	60.0	35.5	27.5	18.5	16.0	.015"

"L" & "S" Series Linear Slides – Order Guide

Step 1 Select a slide series ("L" or "S") of a size to meet loading considerations. Determine stroke length, mounting style, plus any optional toolbar, mounting bars or integral options (such as Viton seals). Helpful hint: ***Model size = guide shaft diameter in 3 decimal places***.

Model Number Will End Here If No Options Are Desired

Leave Blank If No Integral Options Are Desired

(L or S) 500 – 8.0 – MH1T1 – V

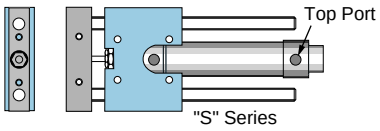
(L or S) Series · 500 Model Size · 8.0 Stroke · MH1T1 Mounting Style & Optional Toolbar · V Integral Options

Model Size	Guide Shaft Diameter	Bore	Standard Stroke Length
250	1/4"	5/16"	1/2", 1", 1-1/2", 2", 3", 4"
375	3/8"	5/8"	1/2", 1", 1-1/2", 2", 3", 4", 5", 6"
500	1/2"	3/4"	1", 2", 3", 4", 6", 8", 10", 12"
750	3/4"	1-1/16"	1", 2", 3", 4", 6", 8", 10", 12"
1000	1"	1-1/2"	1 to 4 by 1" incr., 6 to 24 by 2" incr.
1250	1-1/4"	2"	1 to 4 by 1" incr., 6 to 24 by 2" incr.
3–1250	1-1/4"	3"	1 to 4 by 1" incr., 6 to 24 by 2" incr.

Integral Option Codes

– **V** Viton Cylinder Seals

– **P** In-line Top Ports ("S" Series only. . . Standard feature on S3-1250 Model only)

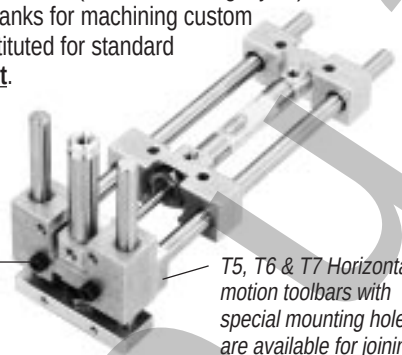


– **C** Air Cushions (500 size & larger) Details on pg. 29.

Toolbar Configurations (For all mounting styles)

Optional toolbars, including blanks for machining custom mounting holes, may be substituted for standard toolbars at **no additional cost**.

All "L & S" Slides of the same model size can be joined together for 2-axis motion using the standard toolbars.



Allen Bolts attach this vertical unit with MH1 mounting to the toolbar of the horizontal unit.

T5, T6 & T7 Horizontal motion toolbars with special mounting holes are available for joining dissimilar "L" & "S" Series models.

Toolbar Option Codes

– ***T1 =*** Blank Toolbar (no mounting holes).

For joining dissimilar models, specify the horizontal toolbar.

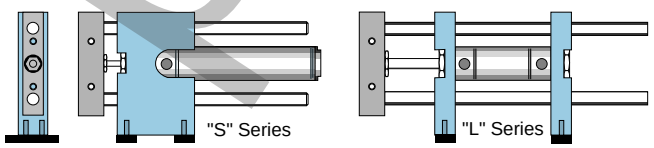
	Horizontal Slide	Vertical Slide
– ***T5***	for L750 or S750	L500 or S500
– ***T6***	for L1000 or S1000	L750 or S750
– ***T7***	for L1250 or S1250 or L3-1250 or S3-1250	L1000 or S1000

To order: ***Add "Option Code" to Mounting Style. Example: L750 – 10.0 – MH2T5***

Note: *When an "L" Series slide is to be used for the vertical motion, use MH1BP mounting style on the vertical slide. Both bearing blocks need to be attached to a mounting surface for stability.*

Optional "B1" Mounting Bars

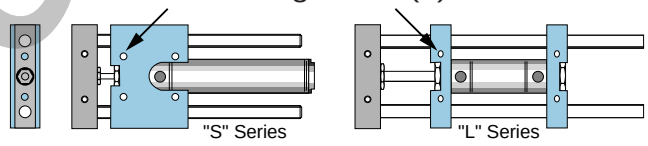
For use with MV1 or MV2 mounting styles for both "L" & "S" Slides.



To Order: Add ***"B1"*** to mounting style. Example: ***S375 – 4.0 – MV1B1***

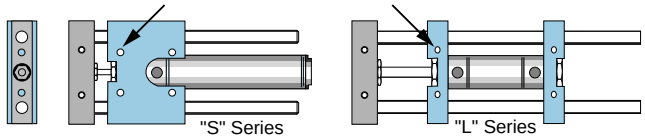
Mounting Styles

– **MH1** Thru Mounting Holes (4)

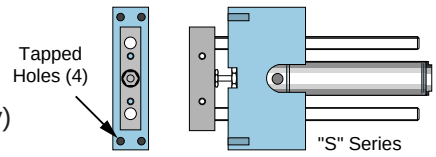


– **MH1BP** ("L" Series Only) Package includes Base Mounting Plate attached to the MH1 bearing block

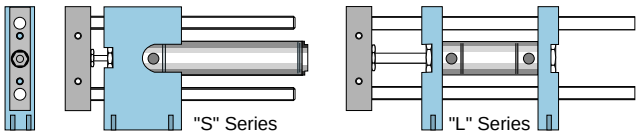
– **MH2** Tapped Mounting Holes (4 on opposite side)



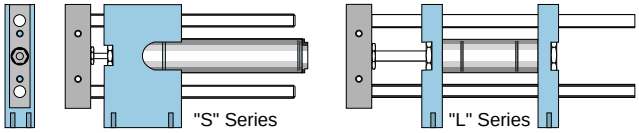
–MF1
Front Flange Mtg Holes ("S" Series Only)



– **MV1** Side Tapped Mounting Holes (4)



– **MV2** Side Tapped w/Ports on opposite side



Building the Model Number in 3 Easy Steps

Step 2 A magnetic piston band is standard on all units (except 250 models) for position sensing. Magnetically operated electronic sensors and reed switches are offered as accessories.

Step 3 What tooling will be required? Will stroke adjustability be needed?

Step 2: Sensing Options
– J73B
(4Digits)

Step 3: Tooling & Stop Options
– RT – KE

Sensor Codes *(Use "S000" if NO Sensors are desired)*

Select a code for sensor type and indicate position

Example: J73 B
- **E** = Extend position only
- **R** = Retract position only
- **B** = Both extend & retract positions

Magnetically operated sensors are not available on "L" or "S" 250 Models.
Proximity Switches can be installed on any model as a special order. Consult factory.

Electronic Sensors & Magnetic Reed Switches

These sensors are actuated by a magnetic band that is standard on all "L" and "S" Series slides (except 250 Models) and are available in 2 mounting styles – ***Clamp On*** or ***Dovetail*** in prewired or quick disconnect versions.

"J" Style

Clamp-on style pre-wired and quick-disconnect sensors (Dual sensors require 2" or longer stroke).

"E" Style

Dovetail style pre-wired and quick-disconnect sensors are compatible with any stroke.

"J" Clamp-on Style Sensor Code

9 Ft. Prewired	Quick Disconnect*	Sensor Type	LED	Electrical Characteristics
J70 ☐	J71 ☐	Reed	Yes	5-120 VDC/VAC, 0.5 Amp Max, 10 Watt Max, SPST N.O.,3.5 Voltage Drop
J72 ☐	J73 ☐	Electronic	Yes	Sourcing PNP 6-24 VDC, 0.50 Amp Max, 1.0 Voltage Drop
J74 ☐	J75 ☐	Electronic	Yes	Sinking NPN 6-24 VDC, 0.50 Amp Max, 1.0 Voltage Drop

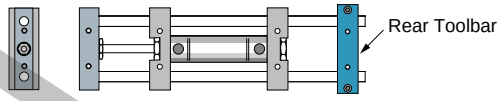
"E" Dovetail Style Sensor Code

9 Ft. Prewired	Quick Disconnect*	Sensor Type	LED	Electrical Characteristics
E70 ☐	E71 ☐	Reed	Yes	5-120 VDC/VAC, 0.03 Amp Max, 4 Watt Max, 2.0 Voltage Drop
E72 ☐	E73 ☐	Electronic	Yes	Sourcing PNP 6-24 VDC, 0.20 Amp Max, 0.5 Voltage Drop
E74 ☐	E75 ☐	Electronic	Yes	Sinking NPN 6-24 VDC, 0.20 Amp Max, 0.5 Voltage Drop
E76 ☐	E77 ☐	Reed	No	0-120 VDC/VAC, 0.5 Amp Max, 10 Watt Max, 0 Voltage Drop
E800	Dovetail Style Mounting Rail (Customer to furnish Sensors)			

**Order cordsets separately as follows:*
Part No. ***CFC-1M*** is 1 meter cable with female connector.
Part No. ***CFC-2M*** is 2 meter cable with female connector.
Part No. ***CFC-5M*** is 5 meter cable with female connector.

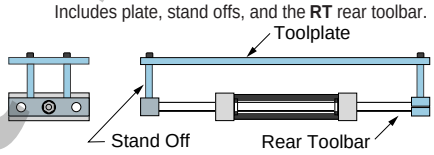
– RT Rear Toolbar ("L" Series only)

Specifying **–T1** blank toolbar in "Step 1" also designates blank rear toolbar **(–RT)**



– PL Toolplate ("L" Series only)

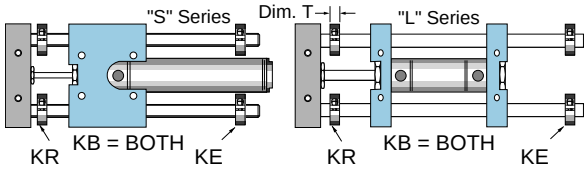
Includes plate, stand offs, and the **RT** rear toolbar.



Options for either "L" or "S" Series

Stop Collars are used for stroke adjustment.

- ***– KE = Stop Collars extend only***
- ***– KR = Stop Collars retract only***
- ***– KB = Stop Collars both extend and retract***

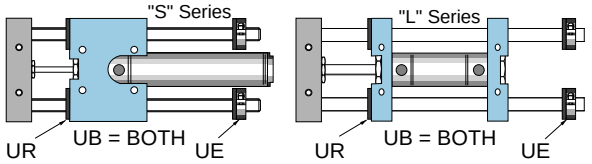


Use of "KR" reduces useable stroke length by thickness (Dim. "T") of collar. Use of "KE" in conjunction with "PL" or "RT" tooling option (on "L" Series only) reduces available stroke by thickness of collar.

Model	250	375	500	750	1000	1250	3-1250
Dimension "T"	.28	.34	.41	.50	.50	.50	.50

Urethane Bumpers –

- ***– UE = Bumpers extend only and stop collars***
- ***– UR = Retract only, no stop collars***
- ***– UB = Bumpers both ends with stop collars extend***



Note: With "PL" or "RT" tooling option ("L" Series only), the stop collar of the "UE" bumper option is deleted because the rear toolbar provides the bumper stop. For pricing, use the cost of a "UR" option in place of the "UE" option ("UE" option includes the cost of bumper washers and the stop collars).

Note: On models 750 & smaller, allow for a Urethane thickness of 1/8". On models 1000 & 1250, allow for a Urethane thickness of 1/4".

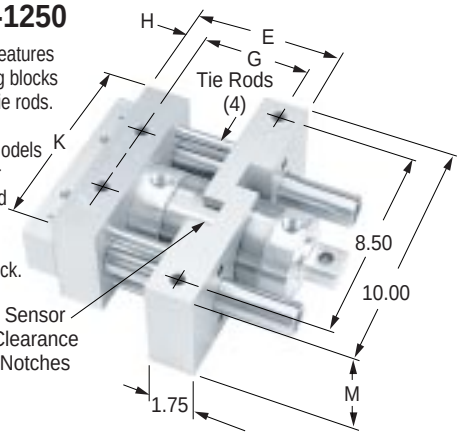
"L" & "S" Series Linear Slides

Series S (Short) – Single Bearing Block

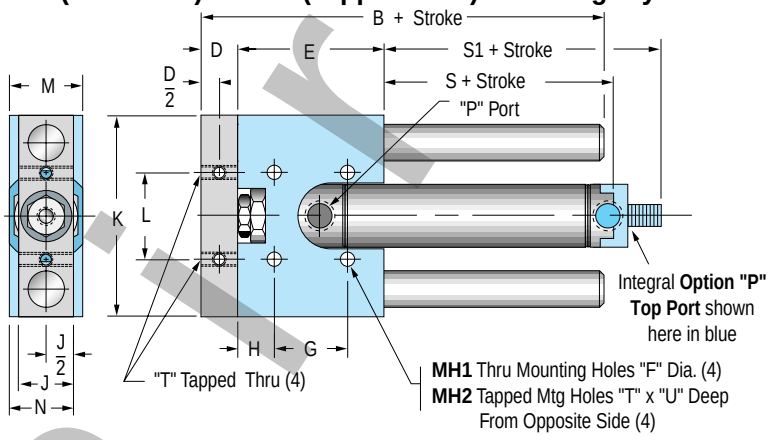
Compact Single Bearing Block Design Provides Short Overall Length

Model S3-1250

Model S3-1250 features individual bearing blocks connected by 4 tie rods. On MH1 & MH2 mounting style models (shown), the rear bearing block and its mounting holes are "wider" than the front block.

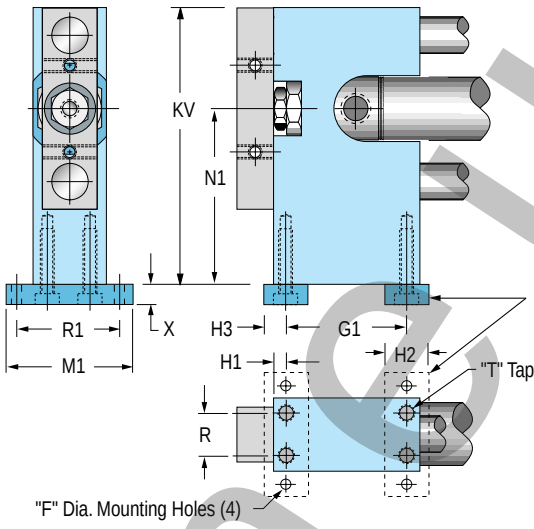


MH1 (Thru Hole) & MH2 (Tapped Hole) Mounting Styles

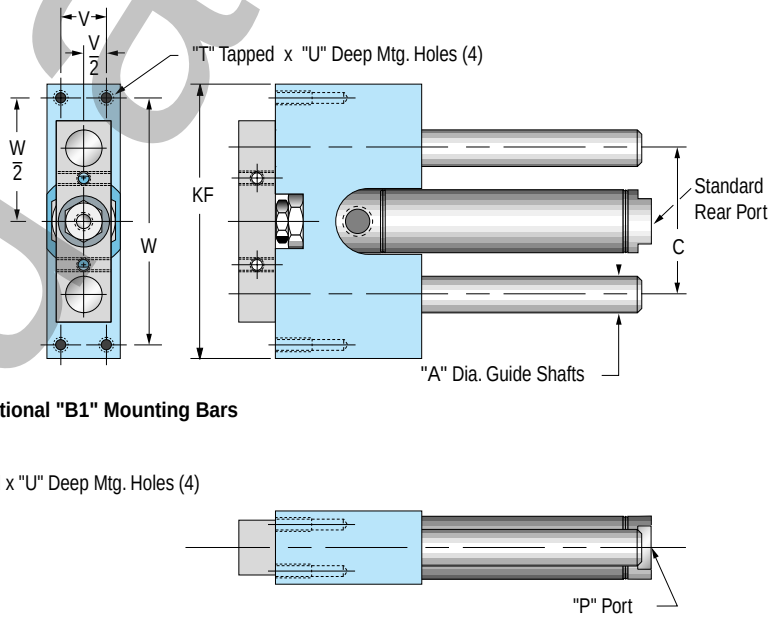


MV1 & MV2 Mounting Styles (Side Tapped Mtg. Holes)

MV1 Shown. MV2 has retract port on opposite side.



MF1 (Front Flange) Mounting Style



"S" Series Dimensional Data

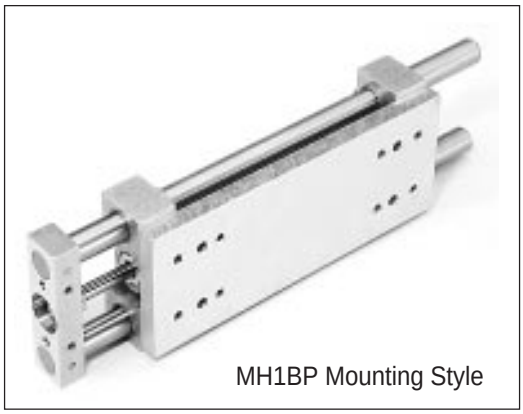
Model	P Port	R	R1	S	S1	T	U	V	W	X
S250	#10-32	.312	.937	.77	1.31	#6-32	.25	.312	2.062	.25
S375	#10-32	.375	1.125	.86	1.40	#8-32	.38	.437	2.688	.25
S500	1/8 NPT	.562	1.500	1.63	2.20	#10-24	.50	.625	3.375	.38
S750	1/8 NPT	.750	1.875	1.37	1.75	1/4-20	.75	.750	4.625	.50
S1000	1/8 NPT	1.000	2.500	.20	1.02	3/8-16	.88	1.000	6.750	.63
S1250	1/4NPT	1.250	3.375	.75	2.13	1/2-13	1.00	1.250	9.000	.75
S3-1250	3/8 NPT	2.500	5.125	N/A	1.38	1/2-13	1.00	2.500	9.000	.75

Model	Bore	A	B	C	D	E	F	G	G1	H	H1	H2	H3	J	K	KF	KV	L	M	M1	N	N1
S250	5/16	1/4	2.25	1.312	.25	1.00	.144	.500	.688	.31	.16	.50	.25	0.56	1.75	2.38	2.38	.781	.63	1.25	.594	1.500
S375	5/8	3/8	2.37	1.625	.38	1.50	.177	.750	1.125	.44	.19	.62	.31	0.68	2.25	3.00	3.00	.937	.75	1.50	.718	1.875
S500	3/4	1/2	3.50	2.000	.50	2.00	.196	1.000	1.562	.50	.22	.75	.38	0.75	2.75	3.75	3.75	1.187	1.00	2.00	.875	2.375
S750	1-1/16	3/4	4.00	2.750	.62	2.50	.266	1.250	2.000	.63	.25	1.00	.50	1.00	3.88	5.13	5.13	1.500	1.25	2.50	1.125	3.188
S1000	1-1/2	1	5.75	4.000	1.00	3.75	.406	2.500	3.000	.63	.38	1.25	.63	1.50	5.50	7.50	7.50	2.250	1.75	3.25	1.625	4.750
S1250	2	1-1/4*	6.63	5.500	1.25	4.50	.531	3.000	3.000	.75	.75	1.75	.88	2.00	7.50	10.00	10.00	3.062	2.25	4.50	2.125	6.250
S3-1250	3	1-1/4*	8.13	5.500	1.25	6.00	.531	4.250	4.250	.88	.88	1.75	.88	2.00	7.50	10.00	10.00	3.062	4.00	6.25	3.000	6.250

Note: S1250 & S3-1250 models feature hollow guide shafts (1/4" wall thickness) for dynamic weight savings

Series L (Long) – Double Bearing Block

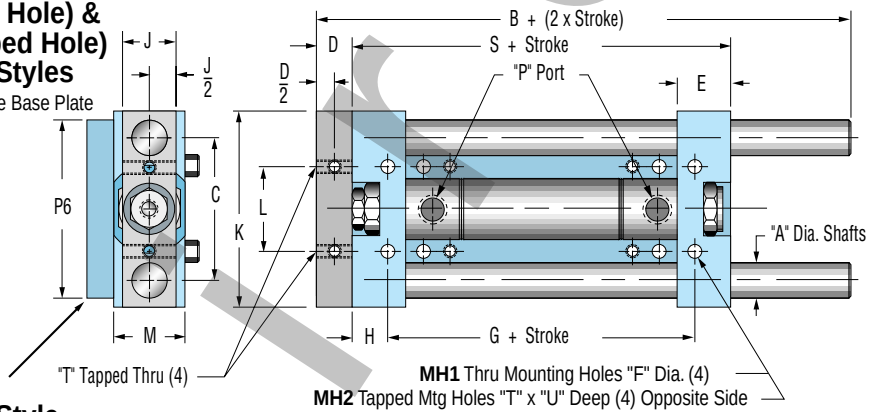
Dual Bearing Blocks Provide Greater Stability and Increased Loading Capacity



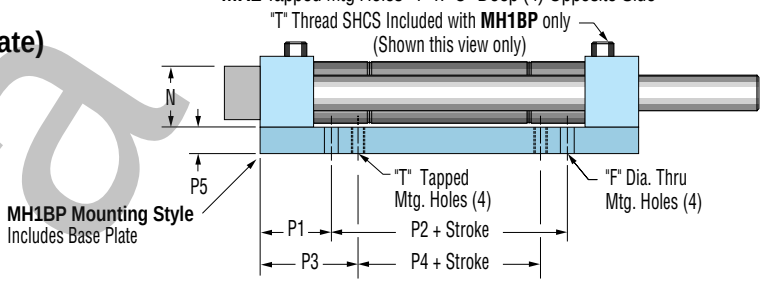
MH1BP Mounting Style

MH1 (Thru Hole) & MH2 (Tapped Hole) Mounting Styles

Does NOT Include Base Plate



MH1BP Mounting Style (Includes Base Plate)

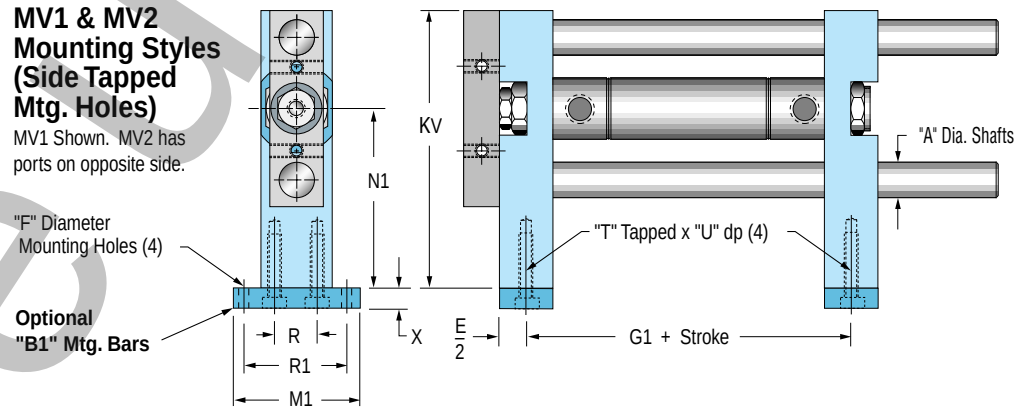


MH1BP Mounting Style
Includes Base Plate

MV1 Mounting Style with B1 Mounting Bars

MV1 & MV2 Mounting Styles (Side Tapped Mtg. Holes)

MV1 Shown. MV2 has ports on opposite side.



"L" Series Dimensional Data

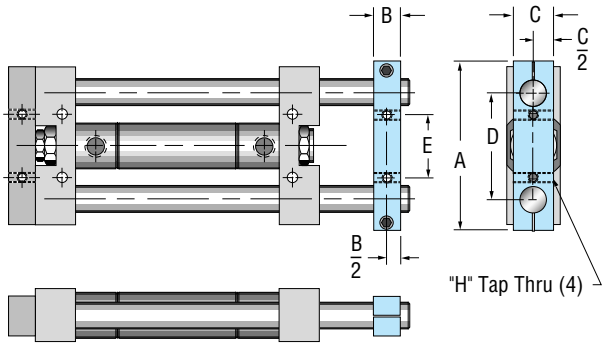
Model	P3	P4	P5	P6	R	R1	S	T	U	X
L250	.94	.500	.25	1.25	.312	.937	2.38	#6-32	.31	.25
L375	1.25	.562	.25	2.00	.375	1.125	3.06	#8-32	.38	.25
L500	1.37	1.562	.38	2.50	.562	1.500	4.31	#10-24	.50	.38
L750	1.87	0.875	.50	3.00	.750	1.875	4.63	1/4-20	.75	.50
L1000	2.38	0.625	.75	4.00	1.000	2.500	5.38	3/8-16	.88	.63
L1250	2.93	1.500	1.00	5.00	1.250	3.375	7.36	1/2-13	1.00	.75
L3-1250	3.03	1.500	1.00	5.00	2.500	5.125	7.56	1/2-13	1.00	.75

Model	Bore	A	B	C	D	E	F	G	G1	H	J	K	KV	L	M	M1	N	N1	P Port	P1	P2
L250	5/16	1/4	3.25	1.312	.25	.50	.144	1.75	1.87	.31	.56	1.75	2.38	.781	.63	1.25	.594	1.500	#10-32	.69	1.000
L375	5/8	3/8	4.37	1.625	.38	.62	.177	2.18	2.44	.44	.68	2.25	3.00	.937	.75	1.50	.718	1.875	#10-32	.94	1.187
L500	3/4	1/2	5.50	2.000	.50	.75	.196	3.31	3.56	.50	.75	2.75	3.75	1.187	1.00	2.00	.875	2.375	1/8 NPT	1.00	2.312
L750	1-1/16	3/4	6.00	2.750	.62	1.00	.266	3.37	3.62	.63	1.00	3.88	5.13	1.500	1.25	2.50	1.125	3.188	1/8 NPT	1.38	1.875
L1000	1-1/2	1	7.75	4.000	1.00	1.25	.406	4.13	4.13	.63	1.50	5.50	7.50	2.250	1.75	3.25	1.625	4.750	1/8 NPT	1.63	2.125
L1250	2	1-1/4*	10.25	5.500	1.25	1.75	.531	5.86	5.61	.75	2.00	7.50	10.00	3.062	2.25	4.50	2.125	6.250	1/4 NPT	2.19	3.000
L3-1250	3	1-1/4*	10.50	5.500	1.25	1.75	.531	5.81	5.81	.88	2.00	7.50	10.00	3.062	4.00	6.25	3.000	6.250	3/8 NPT	2.28	3.000

**Note: L1250 & L3-1250 models feature hollow guide shafts (1/4" wall thickness) for dynamic weight savings*

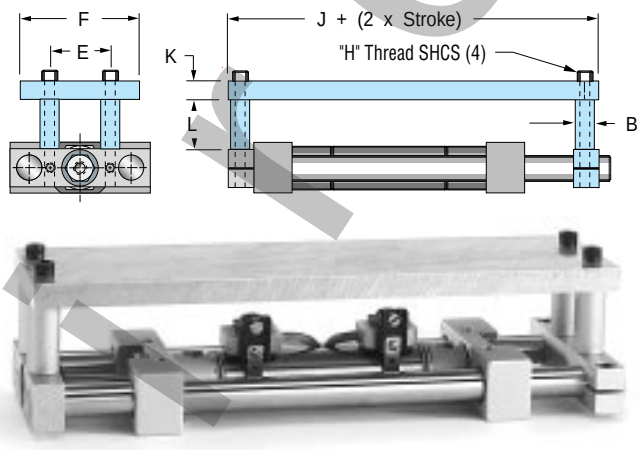
"L" & "S" Series Linear Slides

–RT Rear Toolbar Option ("L" Series Only)



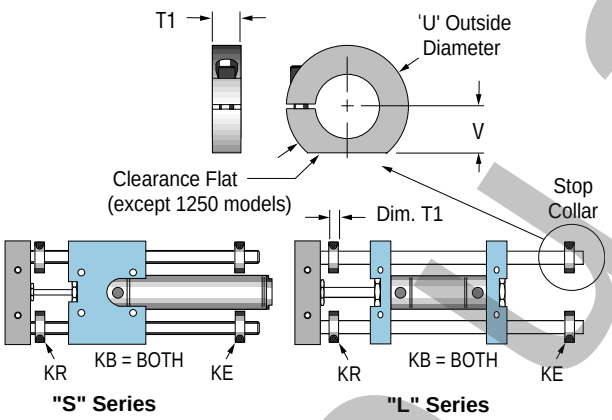
Note: If "T1" blank toolbar is specified for front, then rear toolbar will also be blank.

–PL Toolplate Option ("L" Series Only)



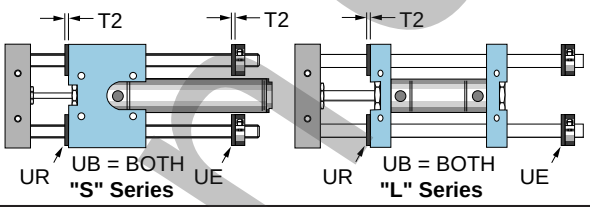
Low profile switch clamp with side-access clamp screw allows switch repositioning with toolplate in place.

Stop Collars: "– KE, –KR & –KB"



Urethane Bumpers: "– UE, –UR & –UB"

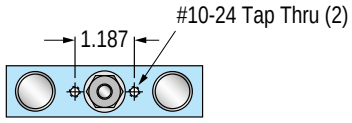
Note: Extend Bumper (–UE) includes Stop Collar as shown



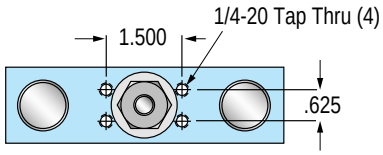
Optional Toolbars: "–T5, –T6 & –T7"

T5 is used on a 750 Model for attaching a 500 Model to create 2-axis motion.
T6 is used on a 1000 Model for attaching a 750 Model to create 2-axis motion.
T7 is used on a 1250 and 3-1250 Model for attaching a 1000 Model to create 2-axis motion.

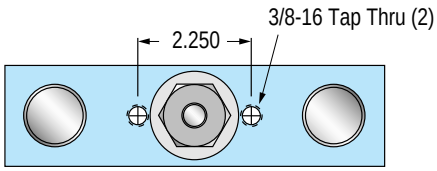
-T5



-T6



-T7

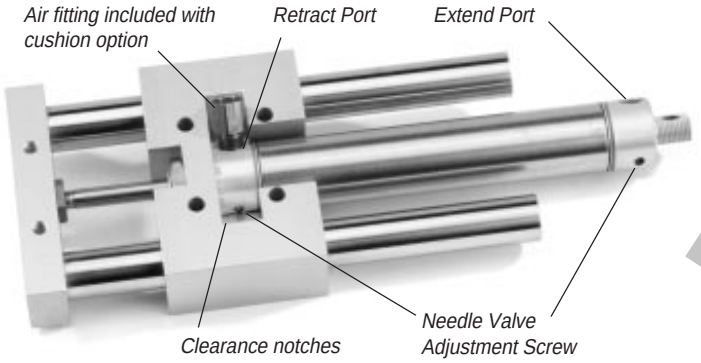


Tooling & Stop Options Dimensional Data

Model	Bore	A	B	C	D	E	F	H	J	K	L	T1	T2	U	V
L or S250	5/16	2.06	.25	.56	1.312	.781	1.25	#6-32	2.88	.25	1.03	.28	1/8	.63	.25
L or S375	5/8	2.56	.38	.69	1.625	.937	2.00	#8-32	3.81	.25	1.03	.34	1/8	.88	.31
L or S500	3/4	3.38	.50	.75	2.000	1.187	2.50	#10-24	5.31	.38	1.13	.41	1/8	1.13	.44
L or S750	1-1/16	4.63	.63	1.00	2.750	1.500	3.00	1/4-20	5.88	.50	1.13	.50	1/8	1.50	.56
L or S1000	1-1/2	6.25	1.00	1.50	4.000	2.250	4.00	3/8-16	7.38	.75	1.13	.50	1/4	1.75	.75
L or S1250	2	8.50	1.25	2.00	5.500	3.062	5.00	1/2-13	9.86	1.00	1.13	.50	1/4	2.06	N/A
L or S3-1250	3	8.50	1.25	2.00	5.500	3.062	5.00	1/2-13	10.06	1.00	2.00	.50	1/4	2.06	N/A

– Options & "How to Order" Summary

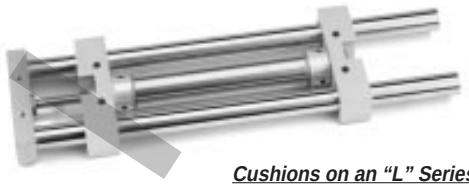
Cushions: Integral Option Code –C (Available on all "L & S" models except "250" and "375")



Cushions on an "S" Series slide

When cushion option is specified, the air cylinder is rotated in the bearing block(s) as shown in photographs. Ports are placed at an angle. Cushion needle valve is 90° to the port. The "S" bearing block is notched for port and needle valve clearance.

"S" model cylinders with cushions (S500 and larger) include in-line ports (Option "P").



Cushions on an "L" Series slide

How to Order Summary

Step 1

L500 – 6.0 – MH1BP – V

Select "L" or "S" Series. Select model size based on guide shaft diameter

Model Size	Guide Shaft Diameter	Bore
250	1/4"	5/16"
375	3/8"	5/8"
500	1/2"	3/4"
750	3/4"	1-1/16"
1000	1"	1-1/2"
1250	1-1/4"	2"
3-1250	1-1/4"	3"

Select a stroke (Special strokes also available)

Model	Standard Stroke Length
250	1/2", 1", 1-1/2", 2", 3", 4"
375	1/2", 1", 1-1/2", 2", 3", 4", 5", 6"
500	1", 2", 3", 4", 6", 8", 10", 12"
750	1", 2", 3", 4", 6", 8", 10", 12"
1000	1 to 4 by 1" incr., 6 to 24 by 2" incr.
1250	1 to 4 by 1" incr., 6 to 24 by 2" incr.
3-1250	1 to 4 by 1" incr., 6 to 24 by 2" incr.

Choose Mounting Style & Toolbar

Tooling & Mounting Options
- **– MH1** Thru hole mounting
- **– MH1BP** ("L" Series only) Base mounting plate attached to MH1 bearing blocks
- **– MH2** Tapped hole mounting
- **– MF1** Front flange mount ("S" Series only)
- **– MV1** Side tapped mounting holes
- **– MV2** Side tapped with ports on opposite side
- **– MV1B1** Side tapped mounting holes with base mounting bars
- **– MV2B1** Side tapped, ports on opposite side & base mounting bars

Toolbars
- **– T1** Blank Toolbar
- **– T5** Toolbar for Model 750 for attaching a Model 500
- **– T6** Toolbar for Model 1000 for attaching a Model 750
- **– T7** Toolbar for Model 1250 or 3-1250 for attaching a Model 1000

Select Integral Option

Integral Options
- **V –** Viton Seals
- **P –** In-line top ports ("S" Series only)
- **C–** Air cushions (Model "500" & larger)

Cordsets w/Female Connector – Order as separate items
- **CFC-1M** 1 meter cable
- **CFC-2M** 2 meter cable
- **CFC-5M** 5 meter cable

Step 2

– J72B

Sensor Options

Sensor Options
S000 *indicates* ***NO SENSORS*** *desired*
Note: Indicate sensor location in the box (☐). E= Extend, R=Retract, B=Both Extend & Retract

Band Clamp Style Sensor Options*
- **J70** ☐ Reed Switch prewired
- **J71** ☐ Reed w/quick disconnect
- **J72** ☐ Electronic Sourcing, prewired
- **J73** ☐ Electronic Sourcing, w/quick disconnect
- **J74** ☐ Electronic Sinking, prewired
- **J75** ☐ Electronic Sinking, w/quick disconnect

Caution: *Dual Sensors require 2" or longer stroke*

Dovetail Style Sensor Options*
- **E70** ☐ Reed Switch prewired
- **E71** ☐ Reed w/quick disconnect
- **E72** ☐ Electronic Sourcing, prewired
- **E73** ☐ Electronic Sourcing, w/quick disconnect
- **E74** ☐ Electronic Sinking, prewired
- **E75** ☐ Electronic Sinking, w/quick disconnect
- **E76** ☐ Reed Switch prewired
- **E77** ☐ Reed w/quick disconnect
- **E800** Dovetail style mounting rail (Customer supplies the sensors)

Note: *1) Dovetail sensors compatible with all strokes*

2) Proximity Switches are available as a special order. Consult factory.

Step 3

– PL –KE

Select Tooling & Stop Options

Tooling Options
- **– RT** Rear toolbar ("L" Series Only)
- **– PL** Toolplate ("L" Series Only)

Stop Collars
- **– KE** Extend only
- **– KR** Retract only
- **– KB** Extend & retract

Bumpers
- **– UE** Extend only
- **– UR** Retract only
- **– UB** Extend & retract

**** Not available on "250" models***