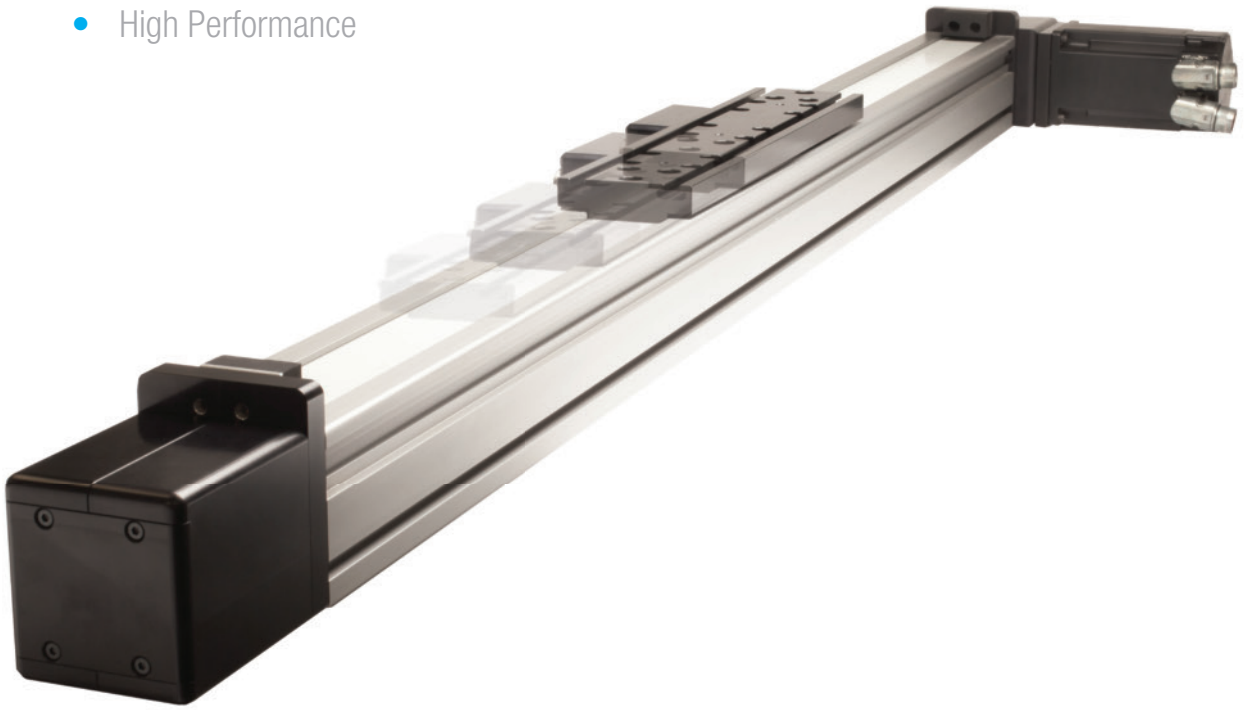
BIMBA ELECTRIC MOTION

Product Catalog

Setting a new standard for:

- Coordinated Motion
- High Thrust
- High Performance



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BIMBA ELECTRIC MOTION

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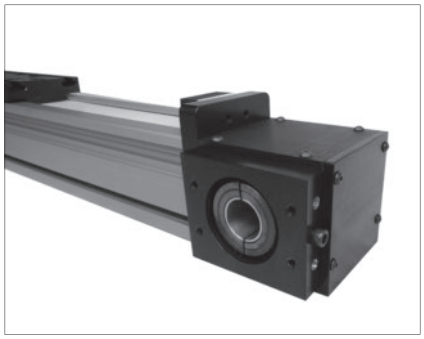
Belt Driven Linear Actuators

Overview & Specifications

B27

B80/B110



ST80 EZ Mount

Belt driven linear actuators with single ball rail bearing. Carriages are available with either single or dual bearing blocks. For higher moment or loading, multiple carriages can also be supplied.

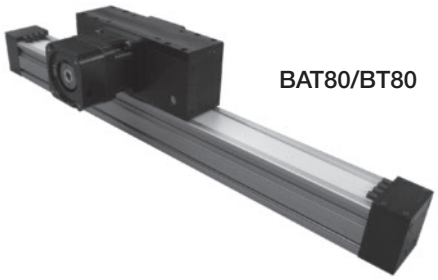
Features include:

- Self-lube square rail ball bearing for high moment capacities in all mounting directions and long life
- High precision steel reinforced polyurethane arc tooth design belt
- Low noise and vibration
- Self tracking with zero backlash of belt and pulley engagement
- Increased thrust force per size and reduced settling time
- Convenient T-slot mounting
- Drive interfaces
- Standard input shaft
- Integrated planetary gear reducer.
- EZ mount interface for direct mount of customer motors or gear reducers
- For lighter force and precision applications we offer the ST80 series actuator with a straight tooth belt design.

SPECIFICATIONS	B27	B80		B110		ST80	
Profile Size (width x height) mm (in.)	92 x 54.1 (3.62 x 2.13)	80 x 80 (3.15 x 3.15)		110 x 110 (4.33 x 4.33)		80 x 80 (3.15 x 3.15)	
Pulley Diameter mm (in.)	50.93 (2.005)	63.66 (2.506)		85.94 (3.384)		63.66 (2.506)	
Lead Constant (mm/rev.) mm (in.)	160 (6.3)	200 (7.874)		270 (10.63)		200 (7.874)	
Maximum Force N (lbs)	445 (100)	3750 (843)		3750 (843)		1750 (393)	
Maximum Input Torque Nm (in-lbs)	12 (100)	90 (797)		120 (1062)		19 (168)	
Maximum Speed m/s (in/s)	5 (197)	5 (197)		5 (197)		5 (197)	
Belt Type	20AT5	Arc Belt 50BAT10		Arc Belt 50BAT10		50AT5	
Repeatability (+/-) mm (in)	0.10 (0.004)	0.05 (0.002)		0.05 (0.002)		0.10 (0.004)	
Carriage 'A' - 1 Bearing 'B' - 2 Bearings	'B' Carriage Length 160 mm	'A' Carriage Length 190 mm	'B' Carriage Length 260 mm	'A' Carriage Length 210 mm	'B' Carriage Length 305 mm	'A' Carriage Length 190 mm	'B' Carriage Length 260 mm
Linear Bearing and Rail Size	15	25	25	30	30	25	25
Dynamic Load Capacity N (lbs)	2,736 (615)	21,000 (4,720)	42,000 (9,440)	30,750 (6,913)	61,500 (13,825)	21,000 (4,720)	42,000 (9,440)
Dynamic Roll Moment Max. Nm (lb-in)	22.5 (199)	310 (2,745)	620 (5,487)	530 (4,690)	1060 (9,381)	310 (2,745)	620 (5,487)
Dynamic Pitch Moment Max. Nm (lb-in)	34.2 (302)	270 (2,390)	1400 (12,390)	460 (4,071)	2750 (24,338)	270 (2,390)	1400 (12,390)
Dynamic Yaw Moment Max. Nm (lb-in)	34.2 (302)	270 (2,390)	1400 (12,390)	460 (4,071)	2750 (24,338)	270 (2,390)	1400 (12,390)
Weights: kg (lbs) Base Actuator Per mm of stroke	5 (11) 0.0068 (0.015)	9 (20) 0.0114 (0.025)		17 (38) 0.021 (0.046)		9 (20) 0.0114 (0.025)	

Belt Driven Linear Actuators

Overview & Specifications



BAT80/BT80

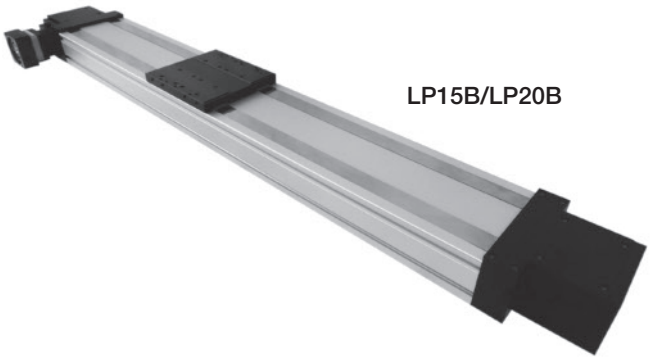
BT80 actuators are designed for vertical motion applications where the carriage and motor are stationary and the extrusion moves up and down. This reduces the moving weight and cable flexing. The BT80 is also ideal for long stroke horizontal and gantry type applications where the carriage and motor move with the load.

Features include:

- Self-lube square rail
- High precision steel reinforced polyurethane design belt
- Low noise and vibration
- Self tracking with zero backlash of belt and pulley engagement
- Increased thrust force per size and reduced settling time
- Convenient T-slot mounting

Drive interfaces:

- Standard input shaft
- Integrated planetary gear reducer.
- EZ mount interface for direct mount of customer motors or gear reducers
- Optional pneumatic counterbalances can be provided.



LP15B/LP20B

LP15B and LP20B include a dual bail rail design with a 2 bearing blocks per rail. The LP15 and LP20 B series provide very high speed and moment capacity in a compact size.

Features include:

- Self-lube square rail ball bearing for high moment capacities in all mounting directions and long life
- High precision steel reinforced polyurethane design belt
- Low noise and vibration
- Low Backlash and settling time
- Convenient T-slot mounting

Drive interfaces:

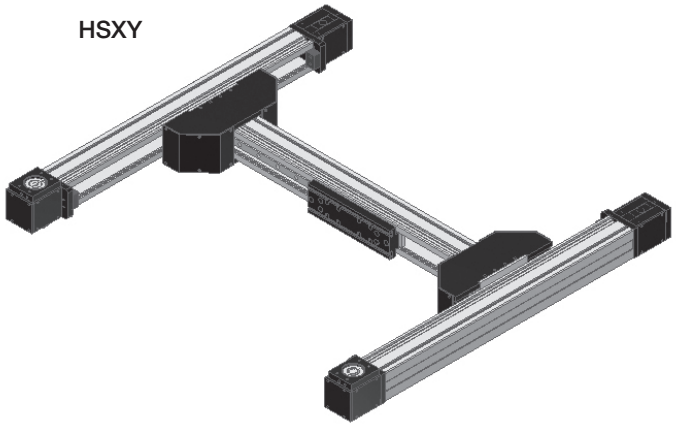
- Standard input shaft
- Integrated planetary gear reducer.
- EZ mount interface for direct mount of customer motors or gear reducers

SPECIFICATIONS	BAT80	BT80
Profile Size (width x height) mm (in.)	80 x 80 (3.15 x 3.15)	80 x 80 (3.15 x 3.15)
Pulley Diameter mm (in.)	63.66 (2.506)	63.66 (2.506)
Lead Constant (mm/rev.) mm (in.)	200 (7.874)	200 (7.874)
Maximum Force N (lbs)	3750 (843)	1750 (393)
Maximum Input Torque Nm (in-lbs)	90 (797)	19 (168)
Maximum Speed m/s (in/s)	5 (197)	5 (197)
Belt Type	Arc Belt 50BAT10	50AT5
Repeatability (+/-) mm (in)	0.05 (0.002)	0.10 (0.004)
Carriage 'B' - 2 Bearings	'B' Carriage Length 280 mm	'B' Carriage Length 280 mm
Linear Bearing and Rail Size	25	25
Dynamic Load Capacity N (lbs)	30,410 (6,840)	30,410 (6,840)
Dynamic Roll Moment Max. Nm (lb-in)	400 (3,540)	400 (3,540)
Dynamic Pitch Moment Max. Nm (lb-in)	320 (2,832)	320 (2,832)
Dynamic Yaw Moment Max. Nm (lb-in)	320 (2,832)	320 (2,832)
Weights: kg (lbs) Base Actuator Per mm of stroke	11 (24) 0.0114 (0.025)	11 (24) 0.0114 (0.025)

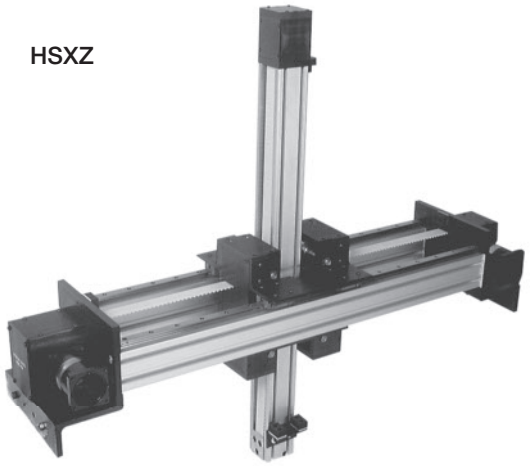
SPECIFICATIONS	LP15B		LP20B	
Profile Size (width x height) mm (in.)	120 x 62.8 (4.72 x 2.47)		155 x 72.3 (6.1 x 2.85)	
Pulley Diameter mm (in.)	38.21 (1.504)		42.98 (1.692)	
Lead Constant (mm/rev.) mm (in.)	120.04 (4.726)		135.03 (5.316)	
Maximum Force N (lbs)	1120 (252)		1750 (393)	
Maximum Input Torque Nm (in-lbs)	21.4 (190)		37.6 (333)	
Maximum Speed m/s (in/s)	5 (197)		5 (197)	
Belt Type	32AT5		50AT5	
Repeatability (+/-) mm (in)	0.10 (0.004)		0.10 (0.004)	
Carriage 'A' - 2 Bearings 'B' - 4 Bearings	'A' Carriage Length 110 mm	'B' Carriage Length 192 mm	'A' Carriage Length 110 mm	'B' Carriage Length 192 mm
Linear Bearing and Rail Size	15	15	20	20
Dynamic Load Capacity N (lbs)	15,250 (3,425)	30,500 (6,850)	36200 (8,137)	72,400 (16,275)
Dynamic Roll Moment Max. Nm (lb-in)	260 (2,300)	420 (3,717)	530 (4,690)	1060 (9,381)
Dynamic Pitch Moment Max. Nm (lb-in)	70 (620)	500 (4,425)	130 (1,150)	1475 (13,054)
Dynamic Yaw Moment Max. Nm (lb-in)	70 (620)	500 (4,425)	130 (1,150)	1475 (13,054)
Weights: kg (lbs) Base Actuator Per mm of stroke	4 (9) 0.01 (0.022)		7 (15) 0.02 (0.044)	

Overview & Specifications

HSXY



HSXZ



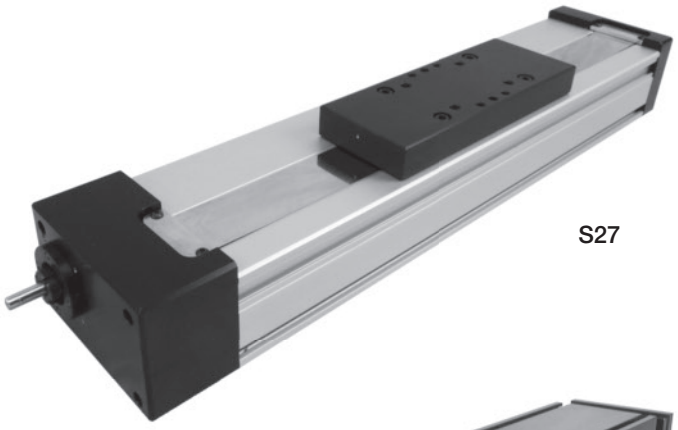
The cross series is a unique 2 axis system for either XZ or XY motion applications. The units feature a single continuous belt operated in a coordinated manor to provide motion in both axis. The special feature is that both motors are stationary. This eliminates cable tracks and flexing, reduces the weight of the carried axis and reduced required motor size since the power of both motors is shared. This is an ideal solution for high speed pick and place applications.

Features include:

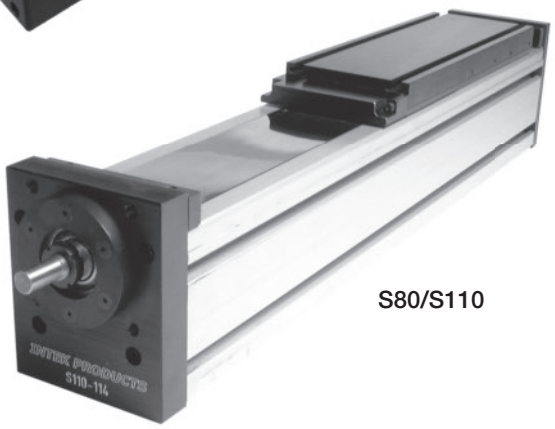
- Self-lube square rail ball bearing for high moment capacities and long life
- High precision steel reinforced polyurethane belt
- Low noise and vibration
- Convenient T-slot mounting
- Direct mounted planetary gear reducers

SPECIFICATIONS	HSXY80		HSXZ	
Profile Size (width x height) mm (in.)	80 x 80 (3.15 x 3.15)		80 x 80 (3.15 x 3.15)	
Pulley Diameter mm	63.66		114.6	
Lead Constant (mm/rev.) mm	200		360	
Maximum Belt Force N (lbs)	3750 (843)		2500 (562)	
Belt Elastic Limit N (lbs)	7500 (1686)		5000 (1124)	
Extrusion Moment of Inertia lx (cm^4) ly (cm^4)	146 219		146 219	
Maximum Input Torque Nm (in-lbs)	90 (797)		290 (2560)	
Maximum Speed m/s (in/s)	5 (197)		5 (197)	
Belt Type	Arc Belt 50BAT10		Arc Belt 50BAT10	
Repeatability (+/-) mm (in)	0.05 (0.002)		0.05 (0.002)	
Carriage 'A' - 1 Bearings 'B' - 2 Bearings	'A' Carriage Length 190 mm	'B' Carriage Length 260 mm	'Z' Carriage Length 260 mm	'X' Carriage Length 265 mm
Linear Bearing and Rail Size	25	25	20	20
Dynamic Load Capacity N (lbs)	21,000 (4,720)	42,000 (9,440)	30412 (6,835)	45000 (10116)
Dynamic Roll Moment Max. Nm (lb-in)	310 (2,745)	620 (5,487)	600 (5300)	600 (5300)
Dynamic Pitch Moment Max. Nm (lb-in)	270 (2,390)	1400 (12,390)	1400 (12390)	1400 (12390)
Dynamic Yaw Moment Max. Nm (lb-in)	270 (2,390)	1400 (12,390)	1400 (12390)	1400 (12390)
Weights: kg (lbs) Base Actuator Per mm of stroke	9 (20) 0.0114 (0.025)		10 (22) 0.0114 (0.025)	

Overview & Specifications



S27



S80/S110

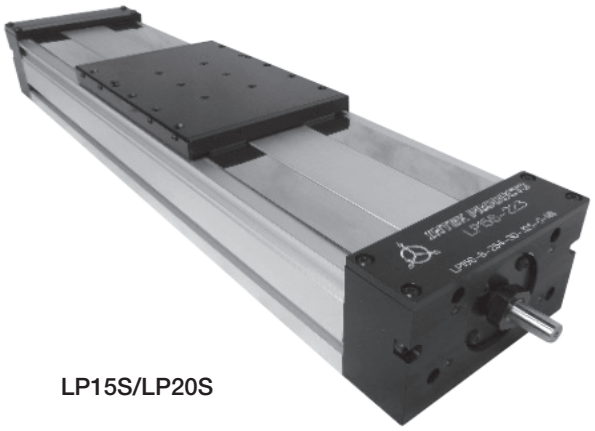
The S series ballscrew driven linear actuators are designed for lower speed (under XX In/sec) applications. In most cases the high efficiency ballscrew will allow high forces with a small motor. The actuators include a single ball rail bearing. Carriages are available with either single or dual bearing blocks.

Features include:

- Self-lube square rail ball bearing for high moment capacities in all mounting directions and long life
- Precision rolled ballscrews with several lead options
- Stainless steel seal strip
- Low noise and vibration
- High thrust force per size
- Convenient T-slot mounting
- Optional leadscrews for lower cost, low duty applications
- Optional special coatings for harsh environmental conditions
- Motor interface can either be inline or foldback with a belt and pulley connection.

SPECIFICATIONS	S27					S80			S110		
Profile Size (width x height) mm (in.)	92 x 54.1 (3.62 x 2.13)					80 x 80 (3.15 x 3.15)			110 x 110 (4.33 x 4.33)		
Ballscrew Diameter mm	10		15			20			25		
Lead Constant (mm/rev.) mm	2.5	5	5	10	16	5	10	20	5	10	25
Ballscrew Dynamic Load N (lbs)	2600 (585)	2300 (517)	5100 (1146)	5100 (1146)	4300 (966)	6200 (1394)	10600 (2383)	6200 (1394)	6600 (1484)	27500 (6182)	9300 (2090)
Ballscrew Static Load N (lbs)	5200 (1169)	4800 (1079)	10500 (2360)	10500 (2360)	10200 (2293)	14700 (3305)	22700 (5103)	14700 (3305)	18700 (4204)	76300 (17152)	22700 (5103)
End Bearing Dynamic Load N (lbs)	2910 (655)		12400 (2788)			21200 (4770)			26000 (5845)		
End Bearing Static Load N (lbs)	1120 (252)		7650 (1720)			13400 (3010)			16600 (3730)		
Repeatability (+/-) mm (in)	0.03 (0.001)					0.03 (0.001)			0.03 (0.001)		
Carriage 'A' - 1 Bearing 'B' - 2 Bearings	'B' Carriage Length 160 mm					'A' Carriage Length 190 mm	'B' Carriage Length 260 mm		'A' Carriage Length 210 mm	'B' Carriage Length 305 mm	
Linear Bearing and Rail Size	15					25	25		30	30	
Dynamic Load Capacity N (lbs)	2,736 (615)					21,000 (4,720)	42,000 (9,440)		30,750 (6,913)	61,500 (13,825)	
Dynamic Roll Moment Max. Nm (lb-in)	22.5 (199)					310 (2,745)	620 (5,487)		530 (4,690)	1060 (9,381)	
Dynamic Pitch Moment Max. Nm (lb-in)	34.2 (302)					270 (2,390)	1400 (12,390)		460 (4,071)	2750 (24,338)	
Dynamic Yaw Moment Max. Nm (lb-in)	34.2 (302)					270 (2,390)	1400 (12,390)		460 (4,071)	2750 (24,338)	
Weights: kg (lbs) Base Actuator Per mm of stroke	3 (7) 0.0068 (0.015)					5 (11) 0.0114 (0.025)			9 (20) 0.021 (0.046)		

Overview & Specifications



LP15S/LP20S

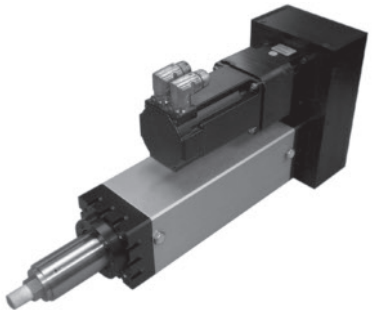
LP15S and LP20S include a dual bail rail design with a 2 bearing blocks per rail. The LP15 and LP20 S series provide very high moment capacity in a compact size.

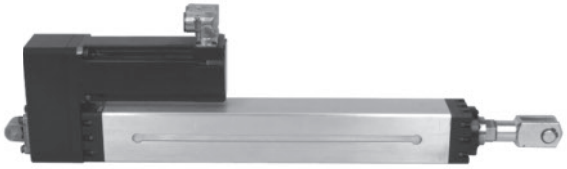
Features include:

- Self-lube square rail ball bearing for high moment capacities in all mounting directions and long life
- Precision rolled ballscrews with several lead options
- Stainless steel seal strip
- Low noise and vibration
- High thrust force per size
- Convenient T-slot mounting
- Optional leadscrews for lower cost low duty applications
- Optional special coatings for harsh environmental conditions
- Motor interface can either be inline or a fold back with a belt and pulley connection.

SPECIFICATIONS	LP15S			LP20S		
Profile Size (width x height) mm (in.)	120 x 62 (4.72 x 2.44)			155 x 70.8 (6.1 x 2.79)		
Ballscrew Diameter mm	15			20		
Lead Constant (mm/rev.) mm	5	10	16	5	10	20
Ballscrew Dynamic Load N (lbs)	5100 (1146)	5100 (1146)	4300 (966)	6200 (1394)	10600 (2383)	6200 (1394)
Ballscrew Static Load N (lbs)	10500 (2360)	10500 (2360)	10200 (2293)	14700 (3305)	22700 (5103)	14700 (3305)
End Bearing Dynamic Load N (lbs)	12400 (2788)			21200 (4770)		
End Bearing Static Load N (lbs)	7650 (1720)			13400 (3010)		
Repeatability (+/-) mm (in)	0.03 (0.001)			0.03 (0.001)		
Carriage 'A' - 2 Bearings 'B' - 4 Bearings	'A' Carriage Length 110 mm	'B' Carriage Length 192 mm		'A' Carriage Length 110 mm	'B' Carriage Length 192 mm	
Linear Bearing and Rail Size	15			20		
Dynamic Load Capacity N (lbs)	20,405 (4,587)	40,810 (9,174)		32,373 (7,277)	64,746 (14,555)	
Dynamic Roll Moment Max. Nm (lb-in)	260 (2,300)	420 (3,717)		530 (4,690)	1060 (9,381)	
Dynamic Pitch Moment Max. Nm (lb-in)	70 (620)	500 (4,425)		130 (1,150)	1475 (13,054)	
Dynamic Yaw Moment Max. Nm (lb-in)	70 (620)	500 (4,425)		130 (1,150)	1475 (13,054)	
Weights: kg (lbs) Base Actuator Per mm of stroke	2 (4.4) 0.01 (0.022)			4 (9) 0.02 (0.044)		

Overview & Specifications





High Precision Ballscrew Drive

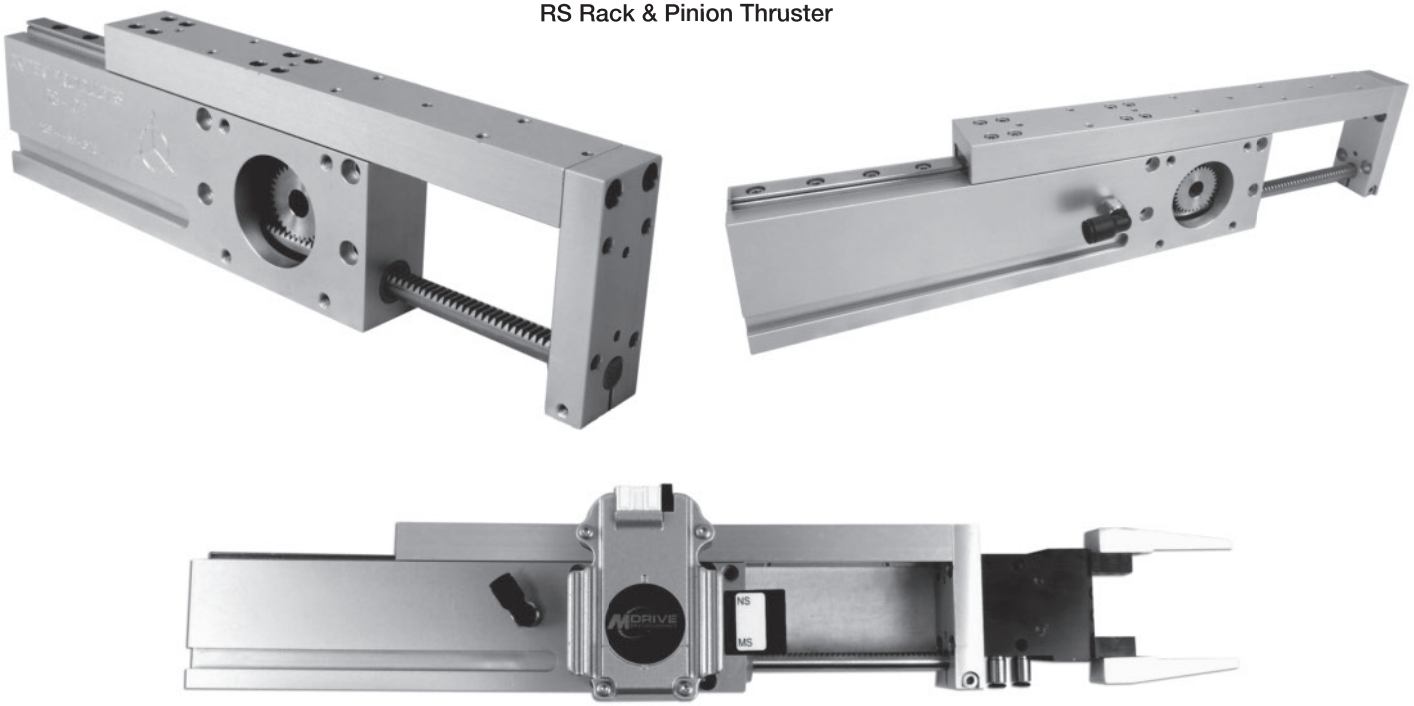
- Precision rolled ballscrews
- Optional ground ballscrews
- Stainless steel sealing strip cover
- High accuracy applications
- Available in 5, 10, 20 and 25 mm leads (inch series also)
- ACME leadscrews are available for less demanding applications
- Smooth operation
- Compact design
- Non-rotating nut and extention rod
- Ease on maintenance
- Adjustable mounting feet
- Add-on guide shafts for moment loading

THRUSTER SIZES	PROFILE SIZE (width x height) mm (in.)
T60	63.5 x 63.5 (2.50 x 2.50)
T80	102 x 102 (4.0 x 4.0)
T130	127 x 127 (5.0 x 5.0)
T150	153 x 153 (6.0 x 6.0)
T200	203 x 203 (8.0 x 8.0)

THRUSTER SIZES					BALLSCREW INFORMATION		END BEARING CAPACITY		SCREW CAPACITY	
T60	T80	T130	T150	T200	DIAMETER	LEAD	DYNAMIC LOAD N (lbs)	STATIC LOAD N (lbs)	DYNAMIC LOAD N (lbs)	STATIC LOAD N (lbs)
•					15	5	12400 (2790)	7650 (1720)	5100 (1146)	10500 (2360)
•						10			5100 (1146)	10500 (2360)
•						16			4300 (966)	10200 (2293)
•					20	5	21200 (4770)	13400 (3010)	6200 (1394)	14700 (3305)
•						10			10600 (2383)	22700 (5103)
•						20			6200 (1394)	14700 (3305)
	•					50			13000 (2923)	24600 (5530)
•	•				25	5	26000 (5850)	16600 (3730)	6600 (1484)	18700 (4204)
•	•					10			27500 (6182)	76300 (17152)
•	•					25			9300 (2090)	22700 (5103)
	•					50			15400 (3463)	31700 (7126)
	•				32	5	42000 (19050)	31000 (6970)	23300 (5238)	45500 (10229)
	•					10			33800 (7599)	52000 (11690)
		•				20			47200 (10611)	83200 (18704)
		•				32			18000 (4047)	34700 (7800)
		•				40			14900 (3350)	32400 (7284)
	•	•			40	5	55900 (12600)	42500 (9550)	26300 (5912)	59200 (13309)
	•	•				10			78600 (17670)	136200 (30619)
		•				20			52200 (11735)	103600 (23290)
		•				40			59700 (13421)	108900 (24482)
		•			50	10	79300 (17800)	65500 (14700)	97800 (21986)	213200 (47929)
			•			20			78800 (17715)	188700 (42421)
			•		63	10	119000 (26800)	102000 (22900)	11185 (24662)	28100 (61957)
				•		20			103100 (23178)	270800 (60878)
				•	80	10	174000 (39100)	160000 (36000)	121900 (27404)	375000 (84303)
				•		20			213700 (48044)	496000 (111511)

Overview & Specifications

RS Rack & Pinion Thruster



SPECIFICATIONS	RS9	RS12	RS15
Body Size (width x length) (in.)	3 x 10.40*	3.38 x 13.25*	4.00 x 15.50*
Body Thickness (in.)	1.130	1.355	1.500
Pinion Diameter (in.)	1.000	1.000	1.250
Maximum Thrust N (lbs)	222 (50)	334 (75)	556 (125)
Maximum Input Torque Nm (in-lbs)	2.8 (25)	4.24 (37.5)	8.8 (78)
Gear Type	32DP	24DP	20DP
Repeatability +/- mm (in.)	0.004	0.004	0.004
Gear Rack Diameter (in.)	0.375	0.500	0.625
Linear Bearing and Rail Size	9	12	15
Maximum Stroke (in.)	6	8	10

* Length dimension is for the maximum stroke actuator, for smaller strokes deduct the reduction from the length dimension.

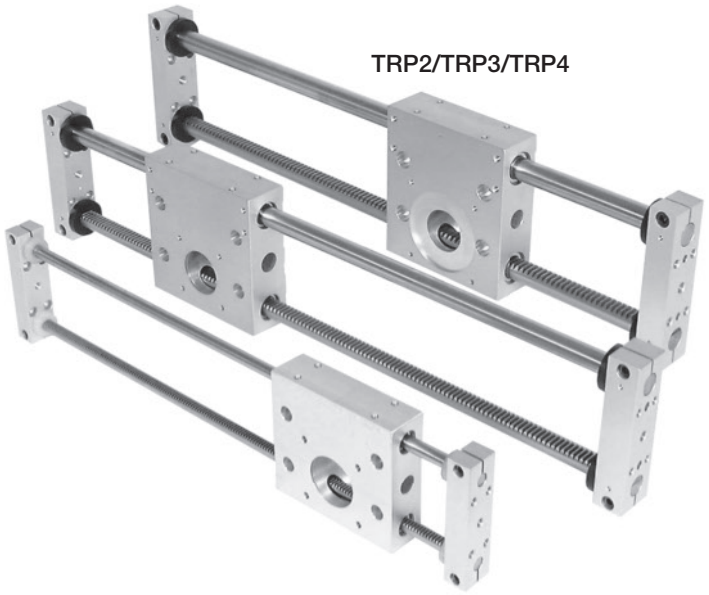
The RS series actuators feature a square rail linear bearing and a high speed rack and pinion drive. Depending on the load and speed requirements of the application, the motor can either be direct coupled to the drive pinion or interfaced through a planetary gear reducer.

Features include:

- Self-lube square rail ball bearing for high moment capacities in all mounting directions and long life
- Cost effective package
- High force without the added cost of gear reducers
- High thrust force per size
- Mounting for both horizontal and vertical configurations
- Option pneumatic actuated gear rack brake
- Optional limit switches
- Optional special coatings for harsh environmental conditions

Rack & Pinion Actuators

Overview & Specifications



TRP2/TRP3/TRP4

The TRP series actuators feature a hardened round shaft linear bearing and a high speed rack and pinion drive. Depending on the load and speed requirements of the application, the motor can either be direct coupled to the drive pinion or interfaced through a planetary gear reducer. The TRP actuator can be mounted with the motor driven platen fixed or moving with the loading.

Features include:

- Cost effective package
- High force without the added cost of gear reducers
- Dual tooling plates
- Mounting for both horizontal and vertical configurations
- Optional limit switches
- Optional special coatings for harsh environmental conditions

SPECIFICATIONS	TRP2		TRP3		TRP4	
Body Size (width x length) (in.)	4.125 x 3.880		4.750 x 4.820		5.000 x 5.500	
Body Thickness (in.)	1.200		1.500		1.700	
Pinion Diameter (in.)	1.125	1.000	1.000	1.000	1.000	1.000
Maximum Thrust N (lbs)	445 (100)	667 (150)	667 (150)	1023 (230)	1023 (230)	1468 (330)
Maximum Input Torque Nm (in-lbs)	7.1 (63)	8.5 (75)	8.5 (75)	13 (115)	13 (115)	18.6 (165)
Gear Type	32DP	24DP	24DP	20DP	20DP	16DP
Repeatability +/- mm (in.)	0.003	0.003	0.003	0.003	0.003	0.003
Gear Rack and Guide Rod Diameter (in.)	0.375	0.500	0.500	0.625	0.625	0.750

Dual Rail Linear Servo Driven Actuators

Overview & Specifications

High Precision Linear Servo Drive

- Precision linear motors
- High speed applications
- Sealing strip cover
- Long life self-lubricating linear bearings
- High accuracy positioning applications
- High thrust capacities

Built in Linear Ball Rail Guide System

- Smooth operation with hIgh stiffness and high moment capacity
- Low friction
- Supports high loads in most any mounting configuration
- Long life self-lubricating linear bearings

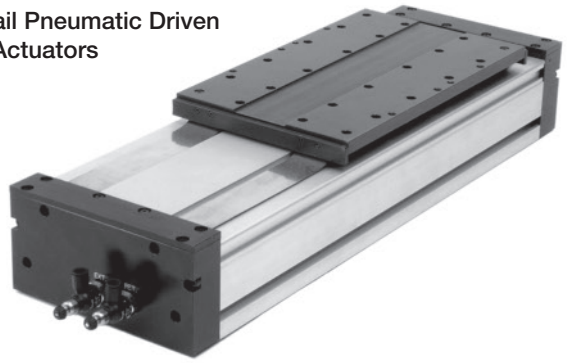
LINEAR ACTUATOR	MOTOR SIZE	CONTINUOUS FORCE N (lbs)	PEAK FORCE N (lbs)
LS15	A	57 (13)	170 (38)
	B	104 (23)	340 (76)
LS20	A	87 (20)	280 (63)
	B	171 (38)	560 (126)

Specials & Accessories

Torque Tube

- Backlash-free and torsionally stiff
- Spanning of larger axial distances
- Easy mounting and dismounting
- Clamping hubs with two radial screws
- Intermediate tube section mounted on gimbals in the clamping hub
- Bellows made of flexible high grade stainless steel
- Low moment of inertia

Dual-Rail Pneumatic Driven Linear Actuators

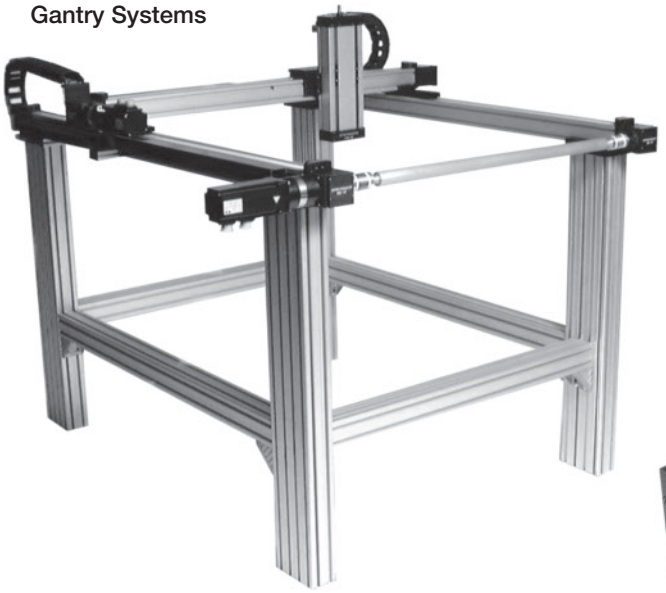


- Pneumatic rodless air cylinder sealing strip cover
- Air ports piped to one end for ease of installation
- Long life self-lubricating linear bearings
- Available in 25mm bore (LP15P size only) a 32mm bore (LP20P size only)
- Built-in magnets for end of travel limit switches

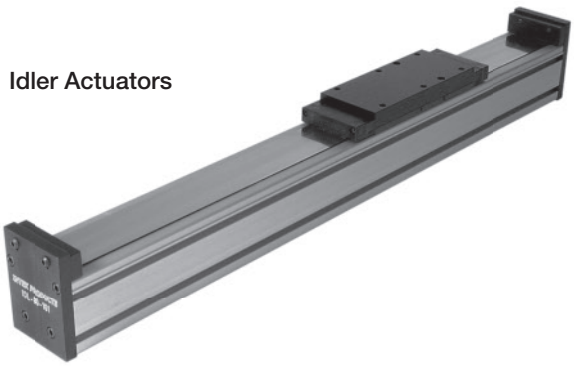
Built in Linear Ball Rail Guide System

- Smooth operation with high stiffness and high moment capacity
- Low friction
- Supports hgh loads in most any mounting configuration
- Long life self-lubricating linear bearings

Gantry Systems



Idler Actuators



Idlers actuators are typically used as an additional load supporting member for single axis or gantry type applications.

Features include:

- Stainless steel seal strip
- Long life Self-lube linear ball rail bearings
- Single or dual bearing block carriages
- Supports high load or any mounting direction.

Specials & Accessories

Rotating Nut Thruster

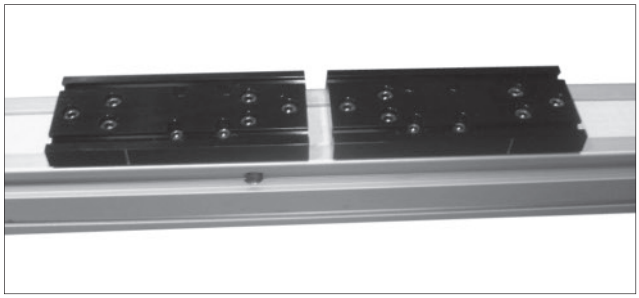
Rotating Nut Ballscrew Units

- Non-rotating screw design with integral high thrust bearing, motor to nut reduction ratio and motor mount.
- Eliminates critical speed limits of typical ballscrew configurations
- Shorter overall length
- 5, 10, 20 and 25 mm lead options
- Available as a ballscrew/nut assembly or as a slide assembly with integral load supporting linear bearings

Limit Switches

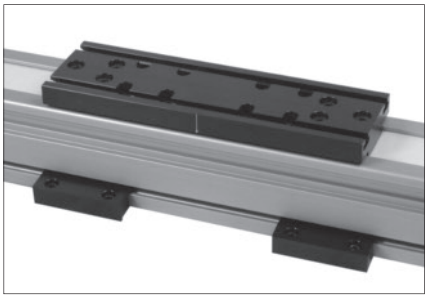
PART NUMBER	TYPE	OPERATION
SW-PNO	PNP	N.O.
SW-PNC	PNP	N.C.
SW-NNO	NPN	N.O.
SW-NNC	NPN	N.C.

Double Carriage



Double carriage are available on ballscrew and belt drive linear actuators.

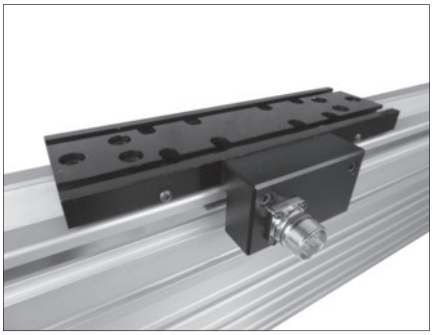
Hold Down Clamps



Hold down clamps are used to secure the actuators to the machine frames.

PART NUMBER	USE
CL-27-39	Used on size 27 ballscrew and belt actuators.
CL-80-39	Used on size 80, LP15 and LP20 ballscrew and belt driven linear actuators.
CL-110-39	Used on size 110 ballscrew and belt driven linear actuators.

Linear Scale



Linear scale options are available on most actuators. Scales can be in incremental or absolute versions.

Notes

Notes

Notes

Your stocking distributor is:

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