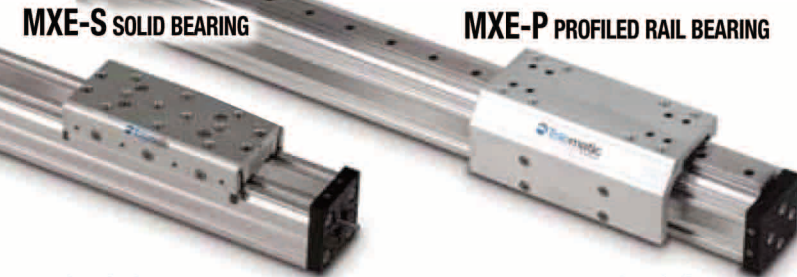


ELECTRIC LINEAR MOTION PRODUCTS

RODLESS SCREW DRIVE ACTUATORS



APPLICATIONS:

- Guidance of light to moderate loads and moments
- Side or impact loads

FEATURES:

- Load-bearing carrier design with large, flexible mounting pattern for load stability
- Self-lubricating, trapezoidal bearing design for smooth operation and long life

OPTIONS:

- Floating mount to compensate for non-parallelism with external guides

COMMON APPLICATIONS:

- Long strokes

COMMON FEATURES:

- Stainless steel dust band
- Anodized aluminum design

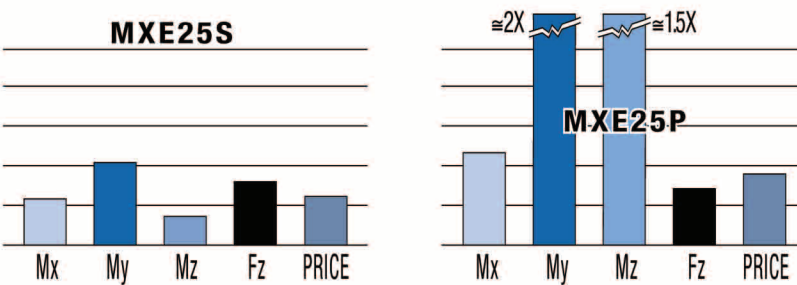
COMMON OPTIONS:

- Choose from 5 solid or 3 ball nut assembly leads
- Auxiliary carrier for higher Fz (load) and bending moment capacity
- In-line or reverse-parallel motor mounting
- Flush mount reed or solid state position sensors
- Inch or metric mounting

SPECIFICATIONS:

	16	25	32	40	50	63
MAX. STROKE	in 29	120	120	120	120	103
MAX. THRUST	lbf 737	3048	3048	3048	2616	2616
MAX. LOAD	lbf 45	170	170	800	2700	4300
MAX. SPEED	in/sec 200	756	756	3559	12010	19127
MAX. LOAD	lb 42	60	60	60	60	50
MAX. SPEED	mm/sec 1067	1524	1524	1524	1524	1270
MAX. LOAD	lb 165	16P	25S	25P	32S	32P
MAX. LOAD	lb 35	217	70	449	150	569
MAX. LOAD	lb 156	966	311	1996	667	2531
MAX. LOAD	lb 1001	3274	1401	4510	2313	5745

*Auxiliary carrier doubles load capacities listed above and increases My and Mz bending moment capacity



See bending moments diagram at right



APPLICATIONS:

- Moderate to heavy load carrying for slow to moderate speed applications
- Long stroke lengths of unguided or overhung loads
- Unguided or overhung loads

FEATURES:

- Load-bearing carrier design with integral recirculating ball bearings
- Hardened steel Gothic arch rail guides for high performance and repeatable accuracy
- Stainless-steel sealing band
- Anodized aluminum design with integral mounting system

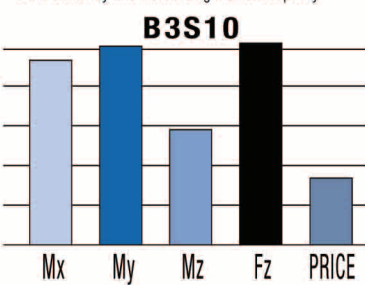
OPTIONS:

- Solid or ball nut assemblies in multiple screw leads
- Auxiliary carrier
- Dual 180° carrier
- In-line or reverse-parallel motor mount
- Reed or solid state position sensors
- Inch or metric mounting

SPECIFICATIONS:

	10	15	20
MAX. STROKE	in 120	120	120
MAX. THRUST	lbf 230	1590	2830
MAX. LOAD	lb 169	672	300
MAX. LOAD	lb 591	1454	2008
MAX. LOAD	lb 2629	6468	8932
MAX. SPEED	in/sec 60	60	60
MAX. SPEED	mm/sec 1524	1524	1524

*Dual 180° carrier substantially increases load capacities listed above and increases My and Mz bending moment capacity. Auxiliary carrier doubles load capacities listed above & increases My and Mz bending moment capacity



APPLICATIONS:

- Single and multi axis tables with high requirements for flatness, straightness and accuracy
- Moderate load carrying for slow to moderate speed applications

FEATURES:

- Load-bearing linear table design with ground profile linear guides and four ball bearings blocks
- Precision ball screw for repeatable and accurate positioning
- Anodized aluminum design with integral mounting holes and sensors

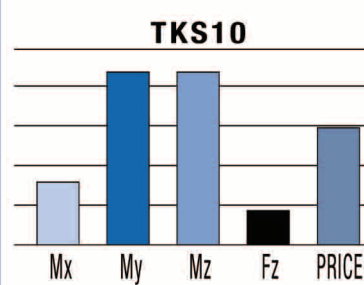
OPTIONS:

- Multiple screw leads
- Auxiliary carrier
- Bellows for protection against contaminants in harsh environments
- In-line or reverse-parallel motor mount
- Reed or solid state position sensors

SPECIFICATIONS:

	10	25	50	75
MAX. STROKE	in 96	96	96	96
MAX. THRUST	lbf 2438	2438	2438	2438
MAX. LOAD	lb 230	1590	2830	3260
MAX. LOAD	lb 1023	7073	12589	14501
MAX. LOAD	lb 591	1454	2008	2008
MAX. LOAD	lb 445	1112	2224	3336
MAX. SPEED	in/sec 30	50	60	160
MAX. SPEED	mm/sec 762	1270	1524	4064

*Auxiliary carrier doubles load capacities listed above and increases My and Mz bending moment capacity



RODLESS BELT DRIVE ACTUATORS



APPLICATIONS:

- Loads that are externally guided and supported

FEATURES:

- High speed
- Low plate height

COMMON APPLICATIONS:

- Long strokes

COMMON FEATURES:

- Anodized aluminum design
- High power polyurethane HTD tooth profile belt with steel tensile members resist stretching.
- Open slot permits easy access to belt tensioning screw. No disassembly required.
- External bumpers

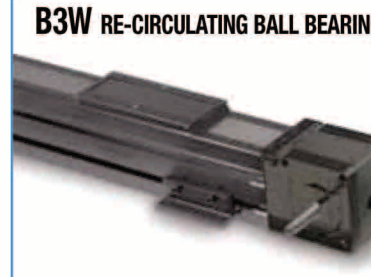
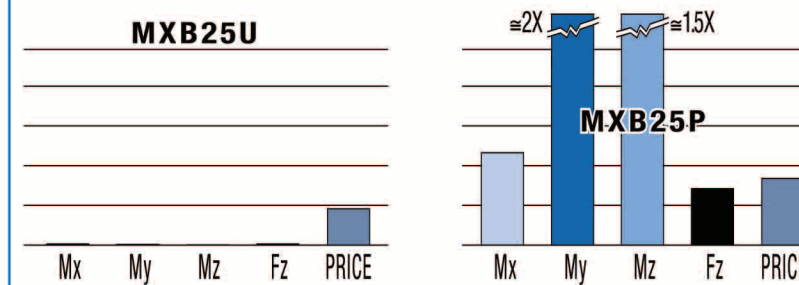
COMMON OPTIONS:

- In-line or reverse-parallel motor mounting
- Inch or metric mounting
- Mounting plates and tube clamps

SPECIFICATIONS:

	16	25	32	40	50	63
MAX. STROKE	in 200	200	200	200	180	100
MAX. THRUST	lbf 5080	5080	5080	5080	4064	2540
MAX. LOAD	lb 38	151	209	250	325	418
MAX. LOAD	lb 169	672	900	1112	1446	1859
MAX. LOAD	lb 16U	16P	25U	25P	32U	32P
MAX. LOAD	lb 200	150	200	150	200	150
MAX. LOAD	lb 5080	3810	5080	3810	5080	3810
MAX. LOAD	lb 5080	3810	5080	3810	5080	3810
MAX. LOAD	lb 217	NA	449	NA	569	NA
MAX. LOAD	lb 966	NA	1996	NA	2531	NA
MAX. LOAD	lb 3274	NA	4510	NA	5745	NA

*Auxiliary carrier doubles load capacities listed above and increases My and Mz bending moment capacity



APPLICATIONS:

- Moderate to heavy load carrying for moderate to high speed applications
- Long stroke lengths of unguided or overhung loads with high moments

FEATURES:

- Load-bearing carrier design with integral recirculating ball bearings
- Hardened steel Gothic arch rail guides for high performance and repeatable accuracy
- Stainless-steel sealing band
- Anodized aluminum design with integral mounting system
- Steel reinforced belts

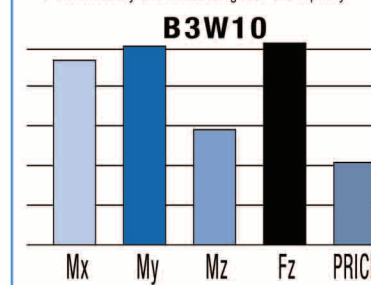
OPTIONS:

- Direct inline or reduction drive motor mount
- Auxiliary carrier
- Dual 180° carrier
- Reed or solid state position sensors
- Inch or metric mounting

SPECIFICATIONS:

	10	15	25	50	75
MAX. STROKE	in 207	204	108		
MAX. THRUST	lbf 5258	5182	2743		
MAX. LOAD	lb 75	120	195	245	
MAX. LOAD	lb 334	534	867	1090	
MAX. LOAD	lb 100	250	500	750	
MAX. LOAD	lb 445	1112	2224	3336	
MAX. SPEED	in/sec 157	200	200		
MAX. SPEED	mm/sec 3988	5080	5080		

*Dual 180° carrier substantially increases load capacities listed above and increases My and Mz bending moment capacity. Auxiliary carrier doubles load capacities listed above, & increases My and Mz bending moment capacity



APPLICATIONS:

- Single and multi axis tables with high requirements for flatness, straightness and accuracy
- Moderate load carrying for moderate to high speed applications

FEATURES:

- Load-bearing linear table design with ground profile linear guides
- High thrust belt material capable of demanding acceleration rates
- Anodized aluminum design with integral mounting holes and sensors
- Steel reinforced belts

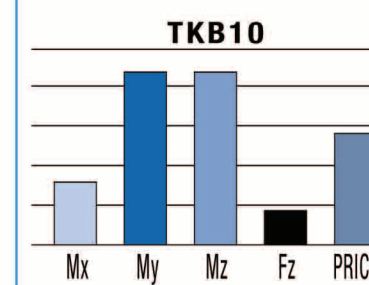
OPTIONS:

- Bellows for protection against contaminants in harsh environments
- Auxiliary carrier
- Direct inline or reduction drive motor mount
- Reed or solid state position sensors

SPECIFICATIONS:

	10	15	25	50	75
MAX. STROKE	in 96	96	96	96	96
MAX. THRUST	lbf 2438	2438	2438	2438	2438
MAX. LOAD	lb 75	120	195	245	
MAX. LOAD	lb 334	534	867	1090	
MAX. LOAD	lb 100	250	500	750	
MAX. LOAD	lb 445	1112	2224	3336	
MAX. SPEED	in/sec 100	100	100	100	
MAX. SPEED	mm/sec 2540	2540	2540	2540	

*Auxiliary carrier doubles load capacities listed above and increases My and Mz bending moment capacity



ROD STYLE SCREW DRIVE ACTUATORS



APPLICATIONS:

- Low to medium thrust forces for externally guided and supported loads
- Pneumatic and hydraulic cylinder style operation

FEATURES:

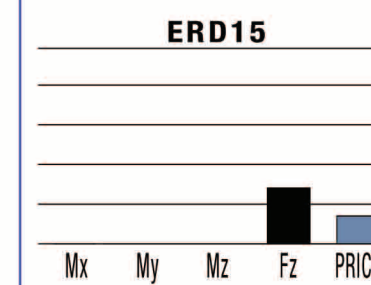
- Stainless steel main tube & thrust tube
- Compatible with many commercially available metric rod end accessories
- Solid or ball nut assemblies
- NEMA or metric motor mount
- Rugged nose and main bearings
- Patent pending

OPTIONS:

- Trunnion, foot or front flange mounts
- Stainless steel with protective motor enclosure, IP67 ingress protection
- Load guidance, tooling plate and anti-rotate
- Reed, solid state PNP or NPN switches

SPECIFICATIONS:

	06	10	15
MAX. STROKE	in 8	10	12
MAX. THRUST	lbf 203	254	305
MAX. LOAD	lb 89	188	445
MAX. LOAD	lb 188	445	334
MAX. SPEED	in/sec 40	40	40
MAX. SPEED	mm/sec 1016	1016	1016



APPLICATIONS:

- Low to medium thrust forces for externally guided and supported loads
- Pneumatic and hydraulic cylinder style operation

FEATURES:

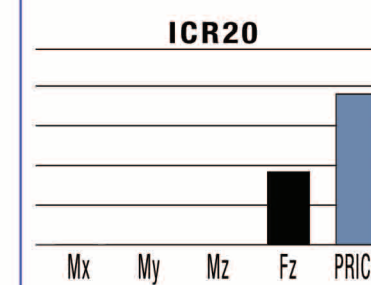
- All-in-one controller/drive/motor in a compact rod-style actuator
- Programmable, multi-position capability
- Internally threaded rod end
- Anodized aluminum design

OPTIONS:

- Ball nut assemblies with 2 or 5 TPI
- Trunnion, clevis, eye, flange or foot mounts
- Clevis, eye, threaded rod or coupler rod mounts
- In-line or reverse-parallel motor mount
- Flush mount reed or solid state position sensors

SPECIFICATIONS:

	ICR20	LMI	RP
MAX. STROKE	in 24	24	
MAX. THRUST	lbf 609	609	
MAX. LOAD	lb 400	800	
MAX. LOAD	lb 1779	3558	
MAX. SPEED	in/sec 24	24	
MAX. SPEED	mm/sec 609	609	



APPLICATIONS:

- Medium to high thrust forces for externally guided and supported loads
- Pneumatic and hydraulic cylinder style operation

FEATURES:

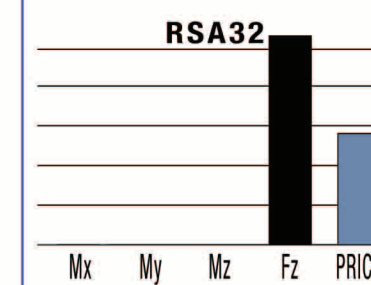
- Non-rotating, salt bath nitride treated thrust tube
- Internally threaded rod end
- Anodized aluminum design
- NFPA and ISO mounting standards

OPTIONS:

- Ball, roller or solid nut assemblies
- Trunnion, clevis, eye, flange or foot mounts
- Clevis, eye, threaded rod or coupler rod mounts
- In-line or reverse-parallel motor mount
- Reed or solid state position sensors
- Inch or metric mounting

SPECIFICATIONS:

	12	16	24	32	50	64
MAX. STROKE	in 12	18	24	36	48	60
MAX. THRUST	lbf 305	457	610	914	1219	1524
MAX. LOAD	lb 140	140	140	140	850	2700
MAX. LOAD	lb 623	623	3781	12010		
MAX. LOAD	lb 400	500	1000	1200		
MAX. LOAD	lb 1779	2224	4448	5338		
MAX. SPEED	in/sec 123	123	29	50	50	58
MAX. SPEED	mm/sec 3124	3124	737	1270	1270	1473



APPLICATIONS:

- Medium to high thrust forces for loads requiring guidance and support
- Pneumatic and hydraulic cylinder style operation

FEATURES:

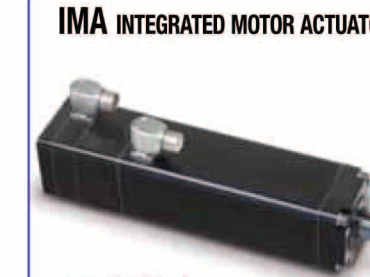
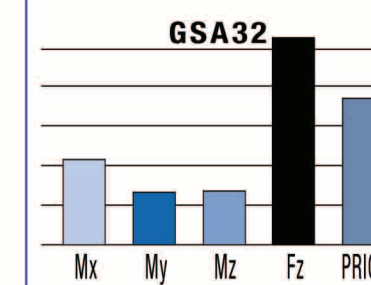
- Hardened and ground steel guide rods
- Four bearing surfaces for smooth motion
- Wide tooling plate for end effector mounting
- Anodized aluminum design

OPTIONS:

- Solid or ball nut assemblies
- Composite or linear ball bearings
- Standard, oversized or stainless-steel guide rods
- In-line or reverse-parallel motor mount
- Reed or solid state position sensors
- Inch or metric mounting

SPECIFICATIONS:

	12	16	24	32
MAX. STROKE	in 12	18	24	36
MAX. THRUST	lbf 305	457	610	914
MAX. LOAD	lb 140	140	140	850
MAX. LOAD	lb 623	623	3781	12010
MAX. LOAD	lb 400	500	1000	1200
MAX. LOAD	lb 1779	2224	4448	5338
MAX. SPEED	in/sec 123	123	29	50
MAX. SPEED	mm/sec 3124	3124	737	1270



APPLICATIONS:

- High thrust forces for externally guided and supported loads
- Pneumatic and hydraulic cylinder style operation in a compact design

FEATURES: