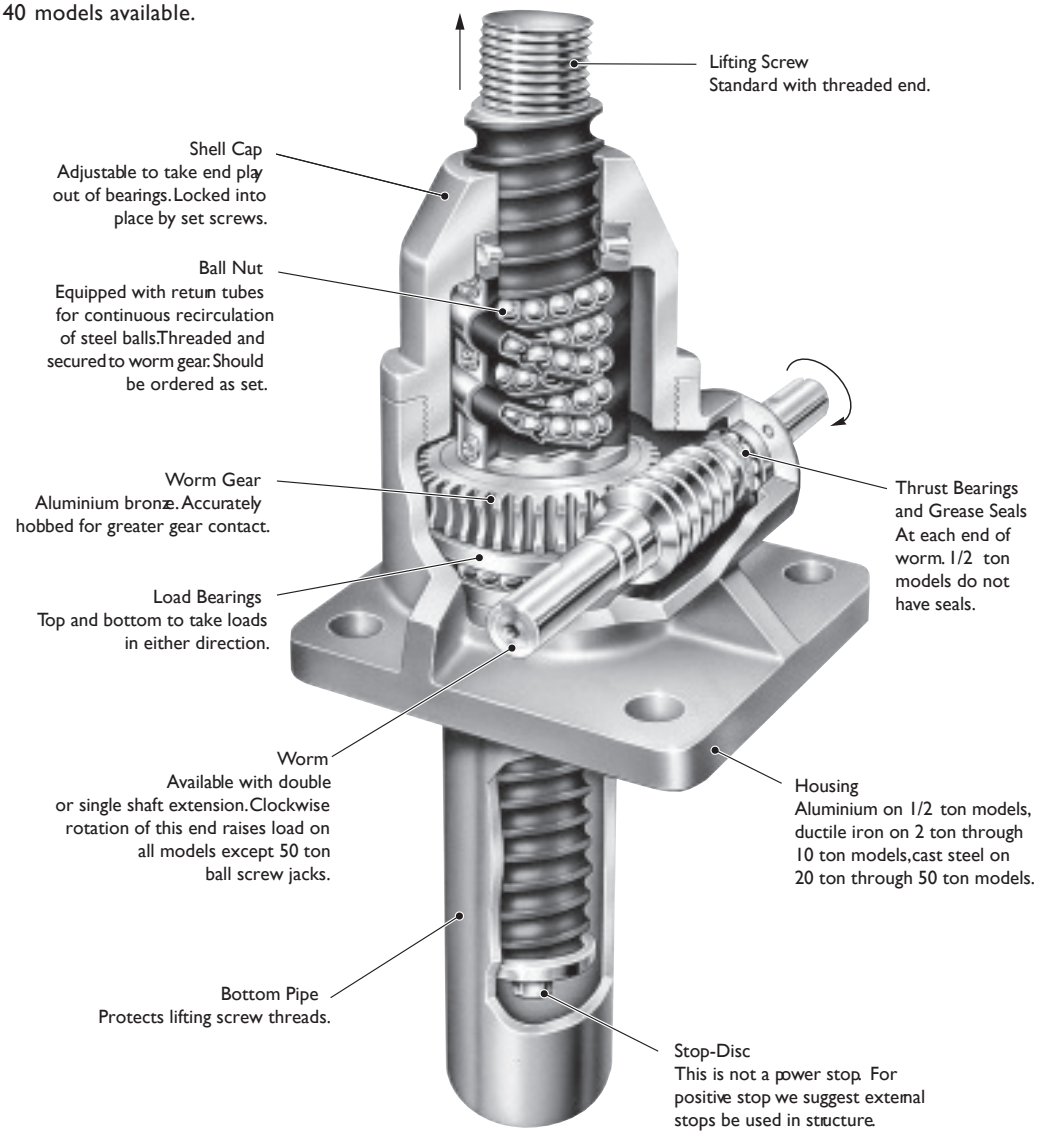
Advantage s

- Move Loads and apply force more efficiently than machine screw jacks.
- Permit faster operation and longer life under load.
- Require less power by providing positive mechanical action.
- Permit synchronisationof multiple units.
- Capacity from 1/2 to 50 tons (4.5 kN to 450 kN).
- Handles full load in tension or compression.
- 40 models available.



The M-Series ball screw jack gives you a single-package, positive action screw jack which can be driven by an electric, air or hydraulic motor. A ball-bearing type heat-treated screw and mating nut with rolling contact reduces friction to a bare minimum in converting torque to thrust. Overall operating efficiency is as high as 70% in some models, depending on the worm gear ratio.

M-Series ball screw jacks are available as translating or rotating screws in either upright or inverted configurations. In the translating screw type, the ball nut is fixed to the gear and the lifting screw moves up and down through the nut. In the rotating screw type, the screw is fixed to the gear and the ball nut travels along the screw.

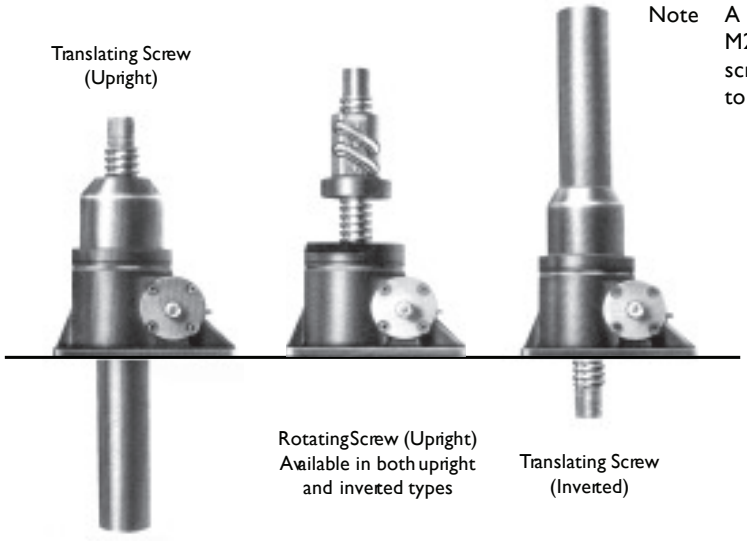
Depending on size and type of load, models are available with raises up to 10 feet (3 metres). Raises up to 20 feet (6 metres) are available on request. Ball screw jacks may be used individually, in tandem or in multiple arrangements. Special models are available and there is no extra charge for single ended worm shafts extensions.

Features

- High Speed - Low friction permits linear motion in some models up to 300 $^{inches}/_{min}$ (7.62 $^{m}/_{min}$) at 1800 rpm worm shaft speeds, providing maximum horsepower ratings are not exceeded.
- Precise Positioning - Can be controlled accurately for positioning within thousandths of an inch.
- Positive Action - Operates with a high degree of reliability without the need for costly pumps, hoses or valves
- Long-Life - Low friction means longer operating life.
- Low Power Usage - Highly efficient design means less power is needed to achieve a given thrust; power needs are much as two-thirds that of machine screw jacks.

Options

- 3 Standard Gear Ratios - Wide selection of gear ratios, increases the amount of raise rates available.
- 2 Ball Screw Lead Options - On the 2, 5 and 10 ton models there is the option of either the standard or a 1" (25.4 mm) lead for rapid raise rates.
- Screw on Ends - The standard screw jack has a threaded end to which clevis or top plates can be screwed. Note: these items are shipped loose and must be spot drilled before seating set screws in field installations.
- Bellows Boot Option - Protects the screw from dust, dirt, moisture and corrosive contaminants.
- Double Clevis End Option - Incorporates a special clevis end bottompipe and standard clevis end on the lifting screw.



Note A brake is required on M2800 and M9800 screw jack units due to their high efficiency.

Note: Clockwise rotation of worm raises load on all models (refer previous page) except 50 ton ball screw jack counter clockwise available at extra charge.

The lifting screw end should be bolted to the lifting member to prevent the screw from rotating.

Screw jacks are equipped with "Alemite" grease fittings.

Recommended lubricants are listed in the installation and maintenance instructions.

Screw jacks supplied complete with drive shaft keys.

Attachments

IEC and Nema C-Face flanges, motors, gear boxes, reducers and couplings available for single screw jack drive or multiple screw jack arrangements

Motion control components include motor drives, Motion Controllers with operator interfaces, encoders, limit switches, potentiometers and meters with LCD display

Model		Upright	M28631	M2802 & M9802*	M28021 & M98021*	M28003	M2805	M28051	M2810	M28101	M2820	M2825	M2860
		Inverted	M28630	M2801 & M9801*	M28011 & M98011*	M28002	M2804	M28041	M2809	M28091	M2819	M2824	M2859
Capacity (Short Tons)			0.5	2	2	3	5	5	10	10	20	25	50
Lifting Screw (Inches)	Diameter		5/8	1	1	1 11/64	1.5	1.5	1.5	1.5	2.25	3	4
	Lead		0.2	0.25	1	0.413	0.474	1	0.474	1	0.5	0.66	1
Worm Gear Ratios	Standard		5:1	6:1	6:1	6:1	6:1	6:1	8:1	8:1	8:1	10 2/3:1	10 2/3:1
	Option 1		20:1	24:1	24:1	24:1	24:1	24:1	24:1	24:1	24:1	32:1	32:1
	Option 2		-	12:1	12:1	12:1	-	-	-	-	-	-	-
Turns of Worm for 1" Raise	Standard		25	24	6	14.526	12.667	6	16.888	8	16	16.16	10.66
	Option 1		100	96	24	58.104	50.667	24	50.667	24	48	48.48	32
	Option 2		-	48	12	29.052	-	-	-	-	-	-	-
Maximum HP per screw jack	Standard		1/3	2	2	2	4	4	5	5	5	8	15
	Option 1		1/6	1/2	1/2	1/2	3/4	3/4	1 1/2	1 1/2	1 1/2	2 1/2	6
	Option2		-	3/4	3/4	3/4	-	-	-	-	-	-	-
Starting Torque at Full Load (in.lb)	Standard		10.5	50	180	110	220	500	350	800	700	925	2700
	Option 1		5	25	80	50	90	206	175	400	325	475	1500
	Option 2		-	30	135	68	-	-	-	-	-	-	-
Running Torque at Full Load (in.lb)	Standard		9.5	45	160	100	180	410	300	700	650	825	2200
	Option 1		4.5	20	70	45	80	183	150	290	300	425	1200
	Option 2		-	25	105	60	-	-	-	-	-	-	-
Efficiency Rating	Standard		0.67	0.59	0.66	0.66	0.70	0.65	0.63	0.57	0.61	0.60	0.68
	Option 1		0.35	0.33	0.38	0.37	0.39	0.36	0.42	0.46	0.44	0.39	0.41
	Option 2		-	0.53	0.51	0.55	-	-	-	-	-	-	-
Weight with Baise Raise of 6" (lbs)			2.75	20	20	21	40	40	50	50	115	235	520
Weight for each additional 1" Raise (lbs)			0.1	0.33	0.33	0.42	0.85	0.85	0.85	0.85	1.5	2.9	5
Hold Back Torque at Rated Load (ft.lb)	Standard		1	2	2	7	8	8	11	11	24	24	92
	Option 1		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	2	33
	Option 2		-	1	1	2	-	-	-	-	-	-	-

* Dimensionsame as model M2802 and M28021.

Note Lifting screws listed above are not keyed. Must be held to prevent rotation. Hold Back Torque is restraining torque at the worm shaft to keep load from running down. Lifting torques are proportional to load, down to 25% of rated load.

Life Expectancy of Inch Ball Screw and Ball Nut

Predicting screw and nut life lets you forecast necessary replacement, saving time and money. It also permits selection of the most economical screw size.

Use caution when installing the ball screw. The life expectancy listed below may be greatly reduced if ball screws are subjected to misalignment, shock loads, side thrust, environmental contamination or lack of lubrication maintenance.

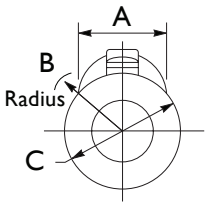
It is possible to estimate the minimum life of the ball screw and nut only. Because of the many variable operating conditions, we can not accurately predict the life of the worm and gear set in the 2800 and 9800 Series screw jacks. Consult Power Jacks Ltd for advice.

Life in Thousands of Inches Travelled

Model	M28631	M2802& M9802	M28021& M98021	M28003	M2805	M28051	M2810	M28101	M2820	M2825	M2860
Capacity (Short Tons)	0.5	2	2	3	5	5	10	10	20	25	50
100% Full Load	400	50	125	250	1000	500	100	50	150	700	600
75% Full Load	1200	150	300	650	2500	1000	350	150	350	2000	1500
50% Full Load or Less	3500	500	1000	2200	9000	4000	1000	500	1200	6000	5000

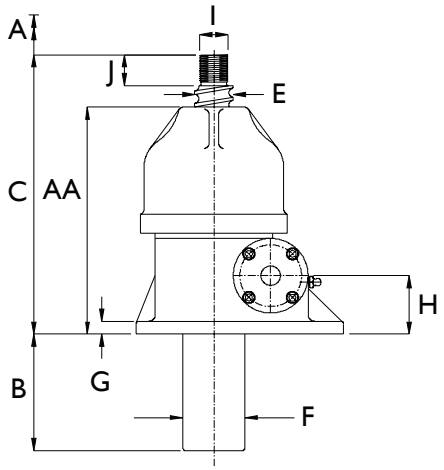
Note 5 Ton and 10 Ton models use the same screw and nut.

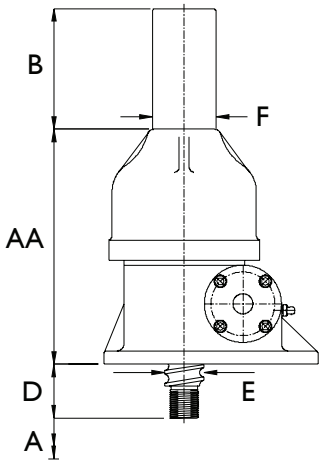
Imperial Ball Nut Return Tube Dimensions



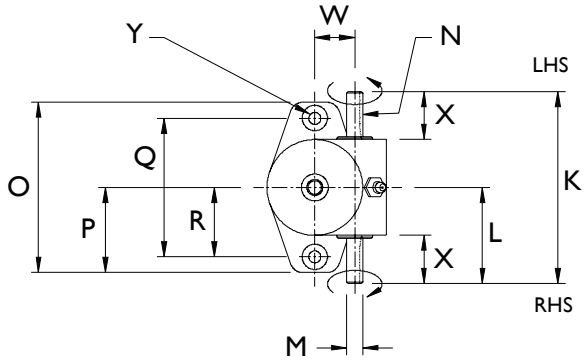
Model	M28631	M2802& M9802	M28021& M98021	M28003	M2805 & M2810	M28051& M28101	M2820	M2825	M2860
Lead	0.200	0.250	1.000	0.413	0.474	1.00	0.500	0.660	1.000
A	0.822	1.104	1.104	1.587	1.981	1.718	2.561	3.349	4.029
B (Radius)	0.797	1.194	1.194	1.386	1.69	1.72	2.272	3.076	3.756
C	1 Sq.	1.5 Sq.	1.5 Sq.	2.125 Dia.	2.625 Dia.	2.625 Dia.	3.75 Dia.	4.751 Dia.	5.88 Dia.

Note: All dimensions in inches.

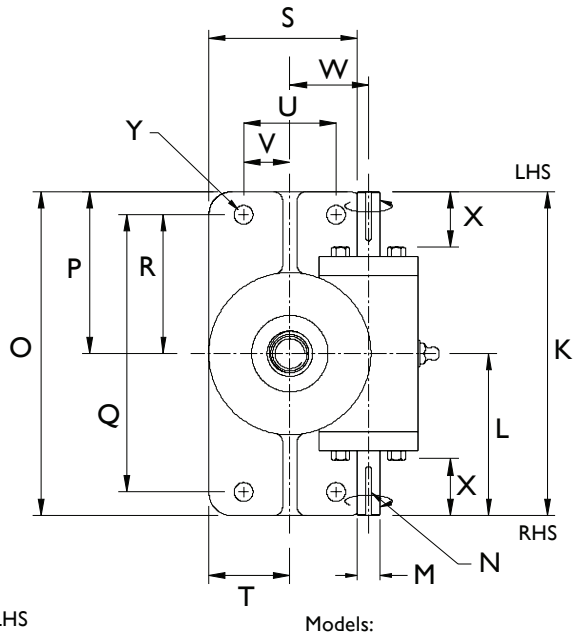




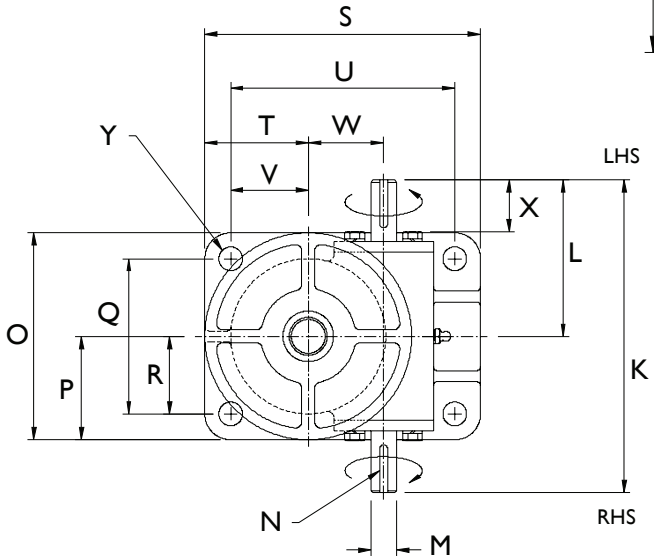
Plan View



Model:
M28631



Models:
M2802, M28021, M28003, M2860.



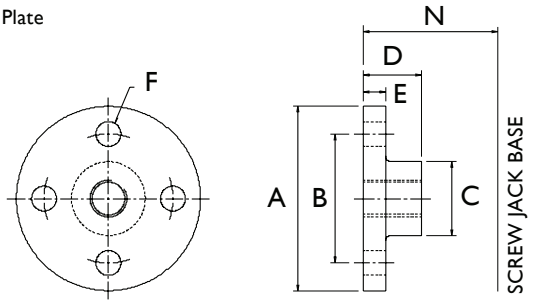
Models:
M9802, M98021, M2805, M28051, M2810,
M28101, M2820, M2825.

Note LHS = Left Hand Side
RHS = Right Hand Side

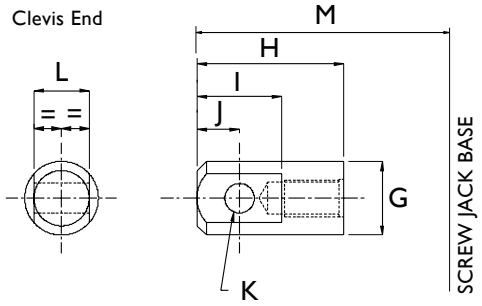
Model Upright	M28631	M2802 & M28021	M9802 & M98021	M28003	M280 & M2801	M2810 & M28101	M2820	M2825	M2860
Inverted	M28630	M2801 & M28011	M9801 & M98011	M28002	M280 & M2801	M2809 & M28091	M2819	M2824	M2859
Capacity (Short Tons)	0.5	2	2	3	5	10	20	25	50
A	Raise As Required								
B	A+	A + 0.75	A + 0.75	A + 0.75	A + 2	A + 1	A + 0.75	A + 2	A + 2.75
C	5	7.5	7.5	9.25	10.75	10 3/8	16.5	19.75	25 3/8
D	1	1 3/8	1 3/8	1 3/8	1 3/8	1.5	2.75	3 1/8	3 5/8
E	5/8	1	1	1 11/64	1.5	1.5	2.25	3	4
F	1 1/16	1 21/32	1 21/32	1 21/32	2 3/8	2 7/8	3.5	4.5	5 9/16
G	5/16	0. 5	0. 5	0. 5	0. 5	0.5	0.75	1	1.25
H	1 ± 0.003	1.75 ± 0.005	1.75 ± 0.005	1.75 ± 0.005	2.25 ± 0.005	2.25 ± 0.005	3.25 ± 0.005	4 ± 0.005	4.75 ± 0.005
I	3/8-24UNF-2A	3/4-16UNF-2A	3/4-16UNF-2A	3/4-16UNF-2A	1-14UNS-2A	1-14UNS-2A	1.75-12UN-2A	2.25-12UN-2A	3.25-12UN-2A
J	0.75	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	2.25	2.25	2.75
K	4.5	7	7	7	9	11	11	14	22
L	2.25	3.5	3.5	3.5	4.5	5.5	5.5	7	11
M	0.375 / 0.373	0.500 / 0.498	0.500 / 0.498	0.625 / 0.623	0.749 / 0.747	0.999 /0.997	1.000 / 0.998	1.375 / 1.373	1.500 / 1.498
N	1/8 X 1/6 X 3/4	1/8 X 1/16 X 1	1/8 X 1/16 X 1	3/16 X 3/32 X 1	3/16X3/32X1.25	1/4 X 1.8 X 1.5	1/4 X 1/8 X 1.5	5/16 X 5/32 X 2	3/8 X 3/16 X 2.25
O	4	7	4 1/8	7	6	7.5	8.25	10.25	19.75
P	2	3.5	2 1/16	3.5	3	3.75	4 1/8	5 1/8	9 7/8
Q	3.25	6	3 1/8	6	4.5	5.75	6	7.5	16
R	1 5/8	3	1 9/16	3	2.25	2 7/8	3	3.75	8
S	-	3.5	6 1/4	3.5	8	8.75	11	13.75	9.75
T	-	1.75	2 7/16	1.75	3	2 7/8	4 1/8	5 1/8	4 7/8
U	-	2	5 1/4	2	6.5	7	8.75	11	6
V	-	1	1 15/16	1	2.25	2	3	3.75	3
W	0.941 / 0.938	1.705 / 1.702	1.705 / 1.702	1.706 / 1.701	2.190 / 2.188	2.601 / 2.598	2.601 / 2.598	3.755 / 3.750	5.316 / 5.313
X	1 1/8	1 1/8	1 1/8	1 1/8	1.5	1.8	1.5	2 5/16	4 7/16
Y	9/32	13/32	13/32	13/32	11/16	13 / 16	1 1/8	1 3/8	1 7/8
AA	4	5 5/8	5 5/8	7.25	8.75	8 3/8	13	16.75	21 3/8

Standard M-Series Translating Ball Screw Ends

Top Plate



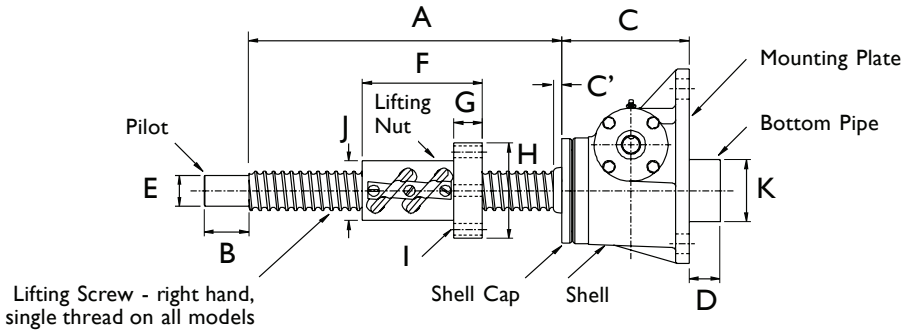
Clevis End



Model		M28631	M2802 & M28021	M2805 & M28051	M28003	M2805 & M28051	M2810 & M28101	M2820	M2825	M2860
A		Ø 2.25	Ø 4.25	Ø 4.25	Ø 4.25	Ø 5	Ø 5.75	Ø 7	Ø 8.5	Ø 13
B		PCD 1.5	PCD 3	PCD 3	PCD 3	PCD 3.5	PCD 4.125	PCD 5	PCD 6	PCD 10
C		Ø 0.75	Ø 1.5	Ø 1.5	Ø 1.5	Ø 1.75	Ø 1.75	Ø 2.625	Ø 3.5	Ø 4.5
D		13/16	1 13/16	1 13/16	1 13/16	1.25	1.375	2 5/16	2 5/16	2 13/16
E		5/16	7/16	7/16	7/16	0.625	0.75	1	1	1.375
F		Ø 9/32	Ø 13/32	Ø 13/32	Ø 13/32	Ø 11/16	Ø 13/16	Ø 13/16	Ø 1 1/16	Ø 1.5
G		Ø 0.75	Ø1.5	Ø 1.5	Ø 1.5	Ø1.75	Ø 2	Ø 2.625	Ø 3.5	Ø 5
H		2.25	3	3	3	4.125	4.125	6.25	8.25	9.125
I		1	1.5	1.5	1.5	2.5	2.5	3	5	5.25
J		0.5	0.75	0.75	0.75	1.25	1.25	1.5	2.5	2.625
K		Ø 5/16	Ø 1/2	Ø 1/2	Ø 1/2	Ø 3/4	Ø 1	Ø 1 1/4	Ø 1 1/2	Ø 2
L		0.5	1	1	1	1.25	1.5	1.75	2.75	3.75
M	Upright	6	8 5/8	8 5/8	10 3/8	12 1/2	12 1/8	19	23 1/4	29 1/8
	Inverted	2	2 1/2	2 1/2	2 1/2	3 1/8	3 1/4	5 1/4	6 5/8	7 3/8
N	Upright	5	7 1/2	7 1/2	9 5/16	10 3/4	10 3/8	16 1/2	19 3/4	25 7/16
	Inverted	1 1/16	1 7/16	1 7/16	1 7/16	1 7/16	1 9/16	2 13/16	3 3/16	3 11/16

Note For all other dimensions and performance data refer to translating screw models All dimensions in inches (1" = 25.4 mm).

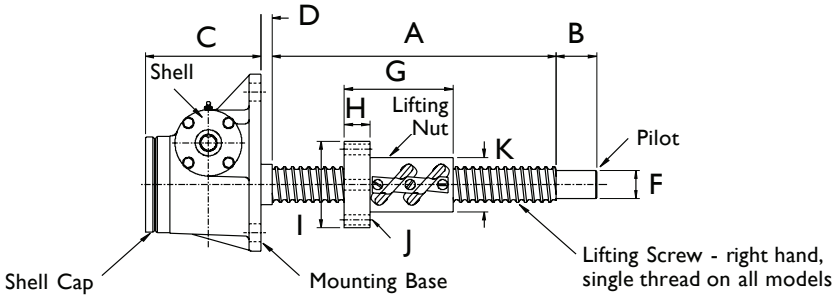
Upright Rotating Ball Screw Jack



Model		UM 28632	KUM 2803	KUM 28031*	UM 9803	UM 98031*	KUM 28004	KUM 2806	KUM 28061*	UM 2811	UM 28111*	UM 2821	UM 2826	UM 2861*
Capacity (Short Tons)		0.25	2	2	2	2	3	5	5	10	10	20	25	50
A		Raise + 2	Raise + 3 1/16	Raise + 3 11/16	Raise + 3 1/16	Raise + 3 11/16	Raise + 3.75	Raise + 4 5/8	Raise + 4	Raise + 6	Raise + 5	Raise + 8	Raise + 10	Raise + 15
B		0.625	1.125	1.125	1.125	1.125	1.125	1	1	1	1	2.5	2.25	3.25
C		2 3/8	4 1/16	4 1/16	4 1/16	4 1/16	4 1/16	5 1/4	5 1/4	5 5/8	5 5/8	7 1/8	8 7/8	10 7/8
C'		0	0	0	0	0	7/16	0	0	0	0	1	1 5/8	1 1/8
D		0	0	0	0	0	0	0	0	0	0	0	0	0.75
E	Dia.	0.437	0.750	0.750	0.750	0.750	0.750	1.000	1.000	1.000	1.000	1.750	2.250	3.250
		0.435	0.748	0.748	0.748	0.748	0.748	0.998	0.998	0.998	0.998	1.748	2.248	3.248
F		1.75	2 3/8	3 1/32	2 3/8	3 1/32	3.395	4.33	3.65	4.33	3.65	6.706	9.395	12.625
G		0.53125	0.630	0.630	0.630	0.630	0.832	0.895	1.02	0.895	1.02	1.582	2.02	2.02
H	Dia.	2.625	3.25	3.25	3.25	3.25	4.2	4 15/16	4 15/16	4 15/16	4 15/16	5.375	7.375	9.75
	Holes	4	4	4	4	4	4	4	4	4	4	6	8	6
I	Dia.	17/64	17/64	17/64	17/64	17/64	25/64	17/32	17/32	17/32	17/32	21/32	25/32	1 1/32
	P.C.D	2 3/32	2.75	2.75	2.75	2.75	3 7/16	4 1/16	4 1/8	4 1/16	4 1/8	4.375	6.25	8
J	Dia.	1 SQR.	1.5 SQR.	1.5 SQR.	1.5 SQR.	1.5 SQR.	2.125	2.625	2.25 SQR.	2.625	2.25 SQR.	3.375	4.751	5.88
K	Dia.	0	0	0	0	0	0	0	0	0	0	0	0	5.5625

*1" Lead Screw Models.

Inverted Rotating Ball Screw Jack

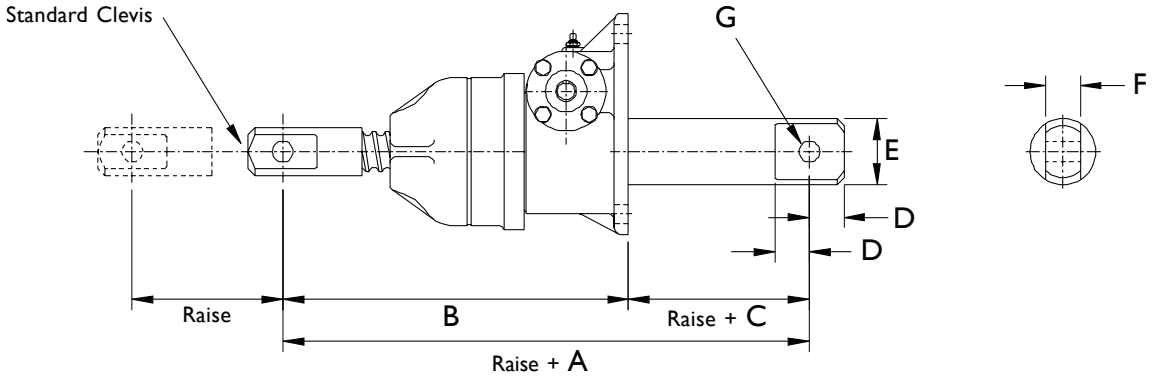


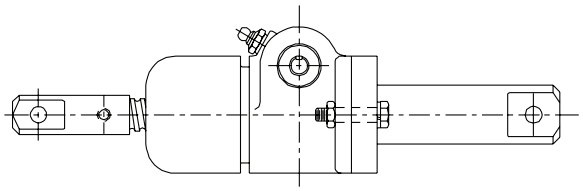
Model		DM 28632	KDM 2803	KDM 28031*	KDM 9803	KDM 98031*	KDM 28004	KDM 28006	KDM 28061*	KDM 2811	KDM 28111*	KDM 2821	KDM 2826	KDM 2861*
Capacity (Short Tons)		0.25	2	2	2	2	3	5	5	10	10	20	25	50
A		Raise + 2 3/8	Raise + 3	Raise + 3 5/8	Raise + 3 1/6	Raise + 3 5/8	Raise + 3.75	Raise + 4 5/8	Raise + 4	Raise + 6	Raise + 5	Raise + 8	Raise + 10	Raise + 15
B		0.625	1.125	1.125	1.125	1.125	1.125	1	1	1	1	2.5	2.25	3.25
C		2.375	3.75	3.75	3.75	3.75	3.75	5.25	5.25	5	5	7.125	8.875	11
D		0	0.625	0.625	0.625	0.625	1	0.75	0.75	1.125	1.125	1.625	2.5	2.5
F	Dia.	0.437	0.750	0.750	0.750	0.750	0.750	1.000	1.000	1.000	1.000	1.750	2.250	3.250
		0.435	0.748	0.748	0.748	0.748	0.748	0.998	0.998	0.998	0.998	1.748	2.248	3.248
G		1.75	2 3/8	3 1/32	2 3/8	3 1/32	3.395	4.33	3.65	4.33	3.65	6.706	9.395	12.625
H		0.53125	0.630	0.630	0.630	0.630	0.832	0.895	1.02	0.895	1.02	1.582	2.02	2.02
I	Dia.	2.625	3.25	3.25	3.25	3.25	4.2	4 15/16	4 15/16	4 15/16	4 15/16	5.375	7.375	9.75
	Holes	4	4	4	4	4	4	4	4	4	4	6	8	6
J	Dia.	17/64	17/64	17/64	17/64	17/64	25/64	17/32	17/32	17/32	17/32	21/32	25/32	1 1/32
	P.C.D	2 3/32	2.75	2.75	2.75	2.75	3 7/16	4 1/16	4 1/8	4 1/16	4 1/8	4.375	6.25	8
K	Dia.	1 SQR.	1.5 SQR.	1.5 SQR.	1.5 SQR.	1.5 SQR.	2.125	2.625	2.25 SQR.	2.625	2.25 SQR.	3.375	4.751	5.88

Note: Dimensions subject to change without notice.

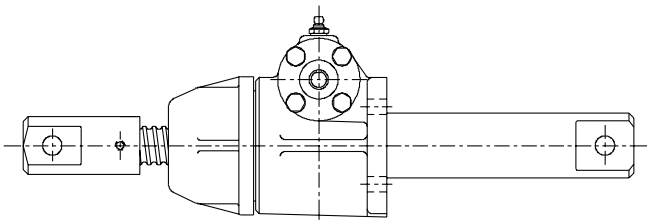
* 1" Lead Screw Models.

Note: For other performance and dimension information refer to translating ball screw jacks.

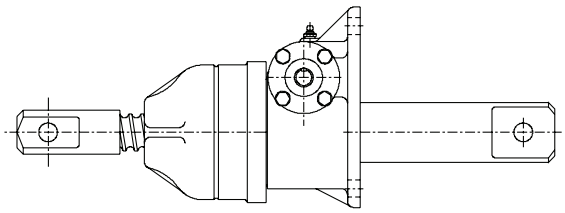




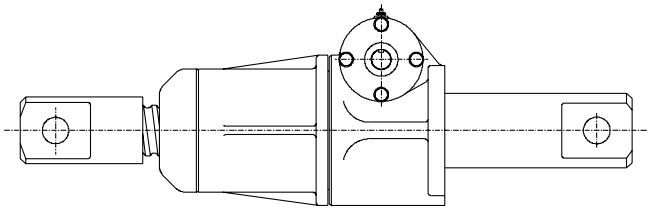
Style 1



Style 2



Style 3



Style 4

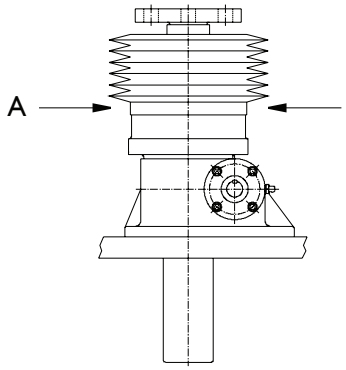
Model		CCM 28631	CCM 2802 & 28021	CCM 9802 & 98021	CCM 28003	CCM 2805 & 28051	CCM 2810 & 28101	CCM 2820	CCM 2825	CCM 2860
Capacity (Short Tons)		0.5	2	2	3	5	10	20	25	50
Style		1	2	3	2	3	3	3	3	4
A		8.25	11.125	11.125	12.875	16.25	16	23	30.25	37.125
B		6	8.625	8.625	10.375	12.5	12.125	19	23.25	29.125
C		2.25	2.5	2.5	2.5	3.75	3.875	4	7	8
D		0.5	0.75	0.75	0.75	1.25	1.25	1.5	2.5	2.625
E		1.125	1.625	1.625	1.75	2.375	2.875	3.5	4.5	5.5625
F		0.75	1	1	1	1.25	1.5	1.75	2.75	3.75
G	Diameter	5/16	0.5	0.5	0.5	0.75	1	1.25	1.5	2
Max. Allowable Raise in	Raise	7.875	15	15	15.5	20.375	20.5	34.5	47	63.5
Compression at Load (lb)	Load	1000	3800	3800	4200	7400	7400	20000	35000	61000
Max Raise At Rated Load (Compression)		7.875	14.5	14.5	11.5	16	9.5	21.5	37	47.5

Note 1. All dimensions in inches unless otherwise stated (1" = 25.4 mm).
2. Dimensions subject to change without notice.

Features

- Protects the screw from dust and dirt.
- Helps maintain the proper lubrication.
- Guards against moisture and corrosive contaminants.
- Boots are made of neoprene-coated nylon with sewn construction. Other materials are available for applications involving high temperatures, highly corrosive atmospheres and other special conditions.

Boot Installation Data

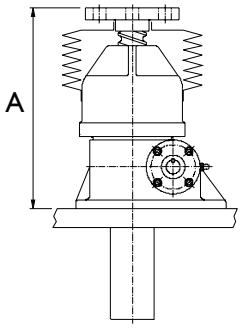


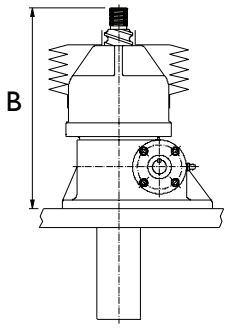
Capacity	1000 lb	2 Ton	3 Ton	5 Ton
Shell Cap Diameter "A"	2.25	3.5	3.5	5.375

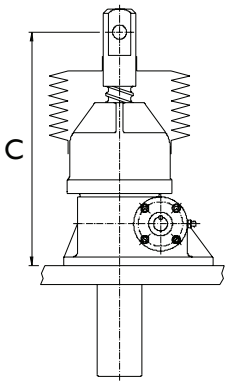
Capacity	10 Ton	20 Ton	25 Ton	50 Ton
Shell Cap Diameter "A"	4.5	7	8.875	9.5

Note For horizontal installation exceeding 18" of travel, internal boot guides are recommended.

Upright Inch Ball Screw Jacks with Bellows Boots



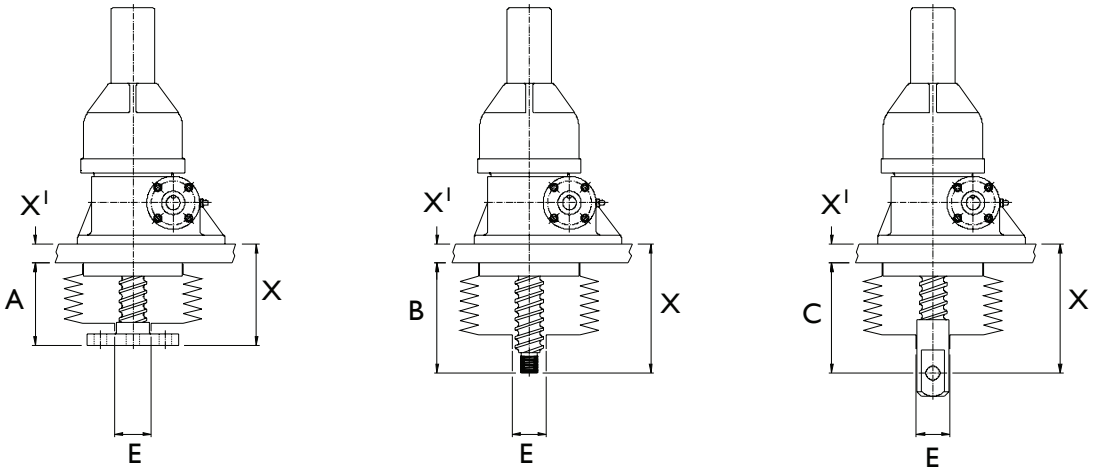




Closed Height "B"		Raise							
Model No.	Boot O.D.	1-12"	18"	24"	30"	36"	48"	60"	72"
M28631	4.50	5.000	-	-	-	-	-	-	-
M2802	6.63	7.500	7.500	7.500	8.500	-	-	-	-
M28021	6.63	7.500	7.500	7.500	8.500	-	-	-	-
M9802	6.63	7.500	7.500	7.500	8.500	-	-	-	-
M98021	6.63	7.500	7.500	7.500	8.500	-	-	-	-
M28003	6.63	9.250	9.250	9.250	10.250	10.250	11.250	-	-
M2805	7.50	10.750	10.750	10.750	12.500	12.500	13.750	-	-
M28051	7.50	10.750	10.750	10.750	12.500	12.500	13.750	-	-
M2810	7.00	10.375	10.375	10.375	11.625	11.625	12.875	-	-
M28101	7.00	10.375	10.375	10.375	11.625	11.625	12.875	-	-
M2820	9.00	16.500	16.500	16.500	16.500	16.500	18.500	20.500	21.500
M2825	11.00	19.750	19.750	19.750	19.750	19.750	21.250	22.750	24.250
M2860	12.00	25.375	25.375	25.375	25.375	25.375	26.375	27.375	28.375

Note
1. (-) indicates "Not Applicable".
2. For lengths of raise not detailed in the above table consult Power Jacks Ltd.
3. All dimensions in inches (1" = 25.4 mm).
4. Dimensions subject to change without notice.

Inverted Inch Ball Screw Jacks with Bellows Boots

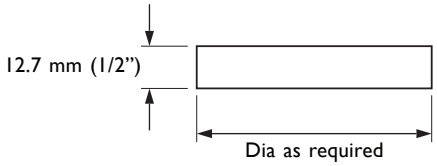


Finding minimum closed dimensions (X)

- Add your structure thickness X^1 to A, B, or C from the appropriate chart to find the minimum closed dimension.
- Other styles and sizes of boots can be supplied.
- In order to use a standard boot, make the mounting plate diameter the same as the shell cap diameter of the appropriate screw jack.
- When boots are required for rotating screw jacks consult Power Jacks Ltd.

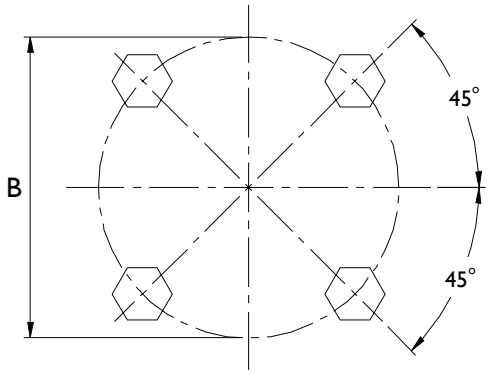
Model No.	Raise (inches)												Std. Boot Collar Dia
	1"-6"			7"-12"			13"-18"			19"-24"			
	A	B	C	A	B	C	A	B	C	A	B	C	E
M28630	2	2	2 3/4	2 3/8	2 3/8	3 1/4	2 3/4	2 3/4	3 3/4	3 1/4	3 1/4	4 1/4	.75
M2801 & M9801	4 3/16	4 5/8	5 1/4	4 3/16	4 5/8	5 1/4	4 3/16	4 5/8	5 1/4	4 3/16	4 5/8	5 1/4	1.5
M28002	4 3/16	4 5/8	5 1/4	4 3/16	4 5/8	5 1/4	4 3/16	4 5/8	5 1/4	4 3/16	4 5/8	5 1/4	1.5
M2804	4 3/16	5 1/8	6 1/8	4 5/8	5 1/8	6 1/8	4 5/8	5 1/8	6 1/8	4 5/8	5 1/8	6 1/8	1.75
M2809	4 3/4	5 1/8	6 1/8	4 3/4	5 1/8	6 1/8	4 3/4	5 1/8	6 1/8	4 3/4	5 1/8	6 1/8	1.5
M2819	6 3/4	8	9 3/4	6 3/4	8	9 3/4	6 3/4	8	9 3/4	6 3/4	8	9 3/4	2.615
M2824	5 1/2	6 3/4	9 1/2	5 1/2	6 3/4	9 1/2	5 1/2	6 3/4	9 1/2	5 1/2	6 3/4	9 1/2	3.5
M2859	7 1/4	7 1/4	10 7/8	7 1/4	7 1/4	10 7/8	7 1/4	7 1/4	10 7/8	7 1/4	7 1/4	10 7/8	4.5

Mounting Plate



To be manufactured by installer

Note 1. For lengths of raise not detailed in the above table consult Power Jacks Ltd.
2. Dimensions subject to change without notice.
4. All dimensions in inches

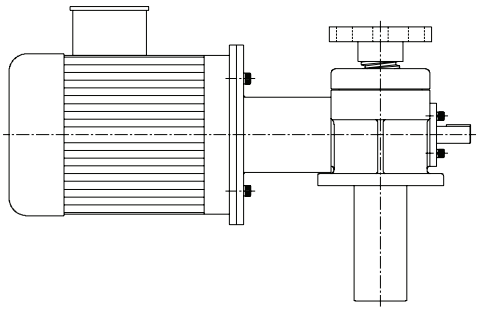


Model	'B' Bolt P.C.D (inch)	Bolt Information
M28631	-	No Flange Bolts
M2802 & M9802	1 11/16	1/4 - 20 x 3/4" Long
M28003	1 11/16	1/4 - 20 x 3/4" Long
M2805	2 3/8	5/16 - 18 x 3/4" Long
M2810	2 3/4	5/16 - 18 x 3/4" Long
M2820	3 1/2	3/8 - 16 x 1 1/4" Long
M2825	4 1/8	3/8 - 16 x 1 1/4" Long
M2860	5 1/4	5/8 - 11 x 1 1/2" Long

Note 1. All dimensions in inches (1" = 25.4 mm).
2. Dimensions subject to change without notice.

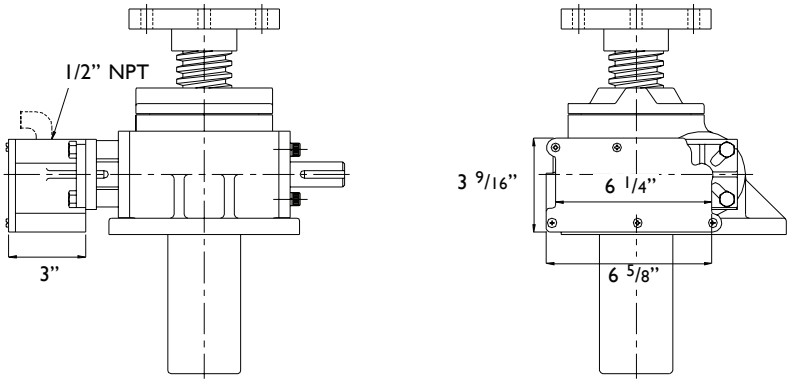
Motor Adaptors for M-Series Ball Screw Jacks

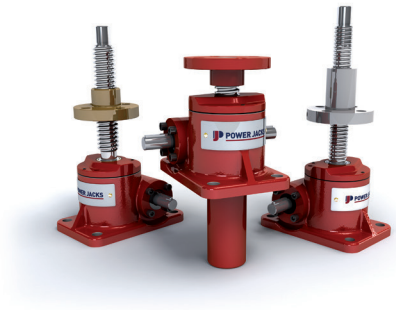
Dimensions and details are the same as for M-Series machine screw jacks.



Rotary Limit Swith Adaptors for M-Series Ball Screw Jacks

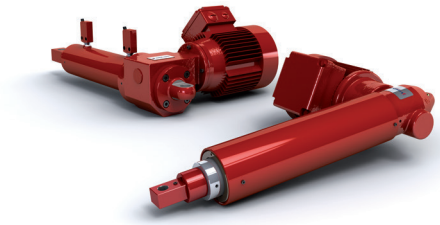
Dimensions and details are the same as for M-Series machine screw jacks.





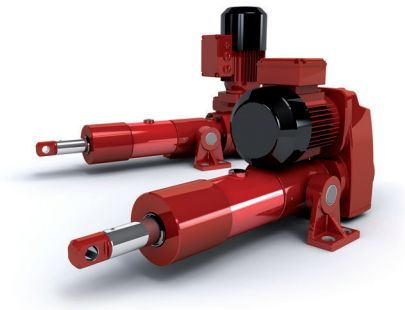
Screw Jacks

- E-Series Metric Machine Screw Jacks 5 - 2000kN
- E-Series Metric Stainless Steel Screw Jacks 10 - 1000kN
- E-Series Metric Ball Screw Jacks 10 - 500kN
- C-Series Metric Cubic Machine Screw Jacks 10 - 100kN
- S-Series Metric High Performance Screw Jacks 25 - 200kN
- Special screw jack designs available up to 35000kN



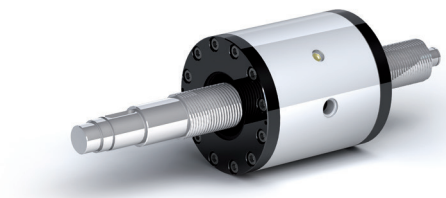
EMA Linear Actuators

- Machine Screw & Ball Screw
- Low load, Medium Duty, High Speed
- Dynamic Load Ratings up to 10kN
- Linear Speeds up to 5500 mm/min
- 3-phase AC, 1-phase AC, and DC types
- Special Designs Available



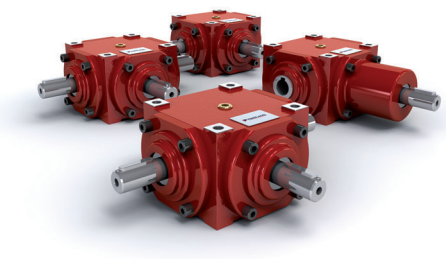
Rolaram Linear Actuators

- Ball Screw & Roller Screw
- High load, High Duty, High Speed
- Very High Accuracy
- Dynamic Load Ratings up to 400kN
- Linear Speeds up to 7000 mm/min
- 3-phase AC, 1-phase AC, and DC types
- Special Designs Available



Spiracon Roller Screws

- High Dynamic Loads up to 1200kN
- High Efficiency
- High Positional Accuracy
- Long Life
- Low Maintenance
- Low Noise
- Robust Design for Harsh Environments
- Special Designs Available



Neeter Drive Bevel Gearboxes

- 2-way, 3-way and 4-way Designs
- Solid Shaft & Hollow Shaft
- Motor Adaptors
- Gear Ratios 1:1, 1.5:1, 2:1, 3:1 and 4:1
- Torque Ratings up to 3000Nm
- Special Gear Ratios and Designs Available

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