

BALL SCREW JACKS ORDERING INFORMATION

Instructions: Select a model number from this chart.

1-Ton Standard	2-Ton Standard	2-Ton Reverse Base Standard	5-Ton Standard	10-Ton Standard	10-Ton Heavy Duty	20-Ton Standard	30-Ton Standard	50-Ton Standard
WBL51 WBL201	WB62 WB122 WB242	RWB62 RWB122 RWB242	WB65 WB125 WB245	WBL810 WBL2410	WB810 WB2410	WB820 WB2420	WB1130 WB3230	WB1150 WB3250
1-Ton Heavy Duty	2-Ton High Lead	2-Ton Reverse Base High Lead	5-Ton High Lead	10-Ton Standard High Lead	10-Ton Heavy Duty High Lead			50-Ton Reverse Base
WB51 WB201	HWB62 HWB122 HWB242	RHWB62 RHWB122 RHWB242	HWB65 HWB125 HWB245	HWBL810 HWBL2410	HWB810 HWB2410			RWB1150 RWB3250


Important Note: *Not self-locking, may lower under load. Brake motors or external locking systems are required.

H: indicates High lead (2-ton, 5-ton and 10-ton only).

R: Reverse Base Jack (2-ton and 50-ton only).


Sample Part Number: **WB65U4S-6.0-STDX-STDX-B**

Jack Configuration



U=Upright **I**=Inverted


End Conditions



1=T1 (plain end)
2=T2 (load pad)
3=T3 (threaded end)
4=T4 (male clevis)

Left Side Shaft Code

(see below)




XXXX=Remove
STDX=Standard

For optional shaft codes, see page 83.

Right Side Shaft Code

(see below)



XXXX=Remove
STDX=Standard

For optional shaft codes, see page 83.

Additional Options

X=Standard Jack, no additional options

S=Additional Specification Required (comment as necessary)

Protective Boots
pp. 170-172
B=Protective Boot
D=Dual Protective Boot

Finishes p. 179
F1=Do Not Paint
F2=Epoxy Paint
F3=Outdoor Paint Process

Motor Options
M1=Less Motor
M2=Brake Motor
M3=Single Phase Motor (120VAC)
M4=50Hz Motor

Grease/Seals
H1=High Temperature Operation
H2=Food Grade


Screw Stops
ST0=Extending

• Specify as many options as needed

Ball Screw Jack Rise

Rise is travel expressed in inches and not the actual screw length.

Jack Designs



S=Translating **K**=Keyed for Non Rotation** **N**=Traveling Nut **D**=Double Clevis **R**=KFTN Trunnion*
T=Trunnion*

*Standard trunnion mounts available on 2-ton through 20-ton jacks. (See page 173)

**Keyed for non-rotation is not a standard option. Contact Joyce/Dayton with your requirements.

BALL SCREW JACKS SHAFT CODES

Instructions: Select the appropriate shaft codes for both right and left hand shafts. One shaft code must be specified for each side of the jack.

Screw Stops (p. 10) and Boots (pp. 170-172)

Screw stops are optional on ball screw jacks. When specified the closed height of the jack and the protection tube length may be increased.

When boots are added to ball screw jacks, the closed height of the jack may be increased.

Geared Potentiometers (p. 176)

POTA=0-10V (IP65)

POTB=4-20MA (IP65)

POTC=0-10V w/2 switches*

POTD=4-20MA w/2 switches*

*Optional IP65 rating available.



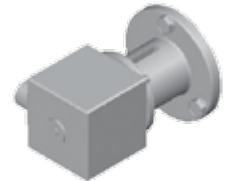
Encoders and Electronic Limit Switches

ENCX=Encoder (p. 178)

ELS2=2 Position Electronic Switch (p. 174)

ELS4=4 Position Electronic Switch (p. 174)

ELS6=6 Position Electronic Switch (p. 174)



Motors for Systems and Direct Drive (p. 185)

- All standard motors are 3-phase, 208-230/460 VAC or 230/460 VAC. Other motor options are available. Specify the appropriate motor size from the chart on the right.
- Refer to the "Additional Options" chart on the preceding page as needed.
- Brake motors (M2) are required for ball screw jacks.
- If the motor frequency will be varied to provide a "soft" start, an inverter duty brake motor may be required.

Motors

Size	Code
1/4 HP	K
1/3 HP	A
1/2 HP	B
3/4 HP	C
1 HP	D
1-1/2 HP	E
2 HP	F
3 HP	L
5 HP	G
7-1/2 HP	H
10 HP	I
15 HP	J

Motor Mounts (p. 185)

Ordering Example:

MMA A

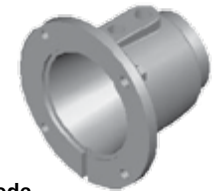
MMA=56C

MMB=140TC

MMC=180TC

MMD=210TC

























































Motor code
from chart at left



Standard motor adapters are aluminum.

Mechanical Limit Switches (pp. 174-175)

Ordering Example: **LA13**

Models		Number of DPDT Switches (see p. 175) NOTE: Will always be 0 for LS7 models	Available Positions								
Model	Code			1	2*	3	4	5	6*	7	8
LS7-402	LI		Left Side Shaft Options								
LS8-402	LA										
LS8-404	LB		Right Side Shaft Options								
LS9-502	LC										
LS9-503	LD										
LS9-504	LE										
LS9-505	LF										
LS9-506	LG										
LS9-507	LH										
			<ul style="list-style-type: none">• 2, 5, 10, 15, and 20 Ton ball screw jacks are available with positions #1, #3, and #5.• 30-ton and 50-ton ball screw jacks are available with positions #1, #4, #7 and #8.*These positions are not standard. Contact Joyce/Dayton with your requirements.								