

MACHINE SCREW JACKS ORDERING INFORMATION

Instructions: Select a model number from this chart.

| Miniature | 1-Ton | 2-Ton | 2-Ton Reverse Base | 3-Ton | 5-Ton | 10-Ton | 15-Ton | 20-Ton |
|---------------------------|----------------------|-------------------------------------|---|---------------------------------|-------------------------------------|---------------------------|---------------------------|---------------------------|
| WJ250 WJ500* WJ1000 | WJ51 WJ201 | WJT62 WJT122 WJT242 WJT252 | RWJT62 RWJT122 RWJT242 RWJT252 | WJ63 WJ123 WJ243 WJ253 | WJT65 WJT125 WJT245 WJT255 | WJ810 WJ2410 WJ2510 | WJ815 WJ2415 WJ2515 | WJ820 WJ2420 WJ2520 |
| | | DWJ62* DWJ122* DWJ242* | DRWJ62* DRWJ122* DRWJ242* | DWJ63* DWJ123* DWJ243* | DWJ65* DWJ125* DWJ245* | DWJ810* DWJ2410* | DWJ815* DWJ2415* | DWJ820* DWJ2420* |
| 25-Ton | 30-Ton | 35-Ton | 50-Ton | 50-Ton Reverse Base | 75-Ton | 100-Ton | 150-Ton | 250-Ton |
| WJ1125 WJ3225 | WJ1130 WJ3230 | WJ1135 WJ3235 | WJT1150 WJT3250 | RWJT1150 RWJT3250 | WJ1175 WJ3275 | WJ12100 WJ36100 | WJ12150 WJ36150 | WJ50250 |
| DWJ1125* DWJ3225* | DWJ1130* DWJ3230* | | | | | | | |

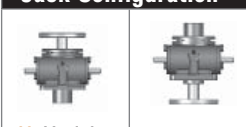
Important Note: *Not self-locking, may lower under load. Brake motors or external locking systems are recommended.

D: Double Lead Screw

R: Reverse Base Jack, (only available on 2-ton and 50-ton jacks).

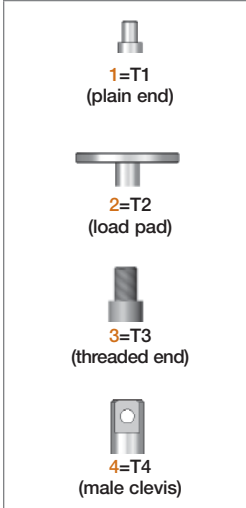
Sample Part Number: WJT65U1N-18.50-STD-STD-B

Jack Configuration



U=Upright **I**=Inverted

End Conditions



1=T1
(plain end)

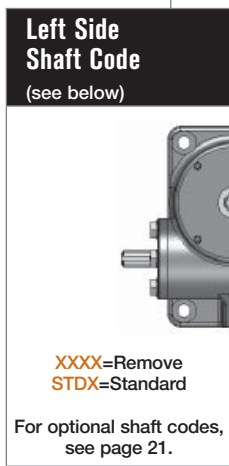
2=T2
(load pad)

3=T3
(threaded end)

4=T4
(male clevis)

Left Side Shaft Code

(see below)

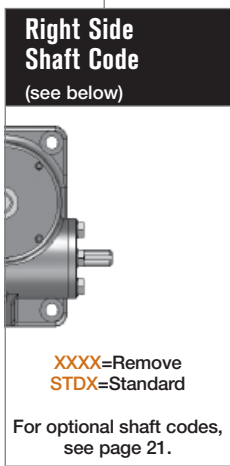


XXXX=Remove
STDX=Standard

For optional shaft codes, see page 21.

Right Side Shaft Code

(see below)



XXXX=Remove
STDX=Standard

For optional shaft codes, see page 21.

Additional Options

X=Standard Jack, no additional options

S=Additional Specification Required (comment as necessary)

Anti-Backlash p. 180

A=Split Nut
A90=A90 Design
A95=A95 Design

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
ST1=Retracting
ST2=Both

• Specify as many options as needed

Machine 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)

MACHINE 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 machine screw jacks. When specified, the closed height of the jack and/or the protection tube length may be increased.

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

Mechanical Counters (p. 177)

CNT0=0.001" Increments


Note: Contact Joyce/Dayton for availability and options.



Hand Wheels (p. 177)

HW04=4" dia
HW06=6" dia
HW08=8" dia
HW10=10" dia
HW12=12" dia


Recommended for self-locking jacks only.



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 Drives (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 recommended for jacks that are not self-locking, and jacks with double lead screws.
- If the motor frequency will be varied to provide a "soft" start an inverter duty 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) | Available Positions | | | | | | | | | |
|---------|------|--|--------------------------|----|---|---|---|----|---|---|--|--|
| Model | Code | | 1 | 2* | 3 | 4 | 5 | 6* | 7 | 8 | | |
| LS7-402 | LI | NOTE: Will always be 0 for LS7 models | Left Side Shaft Options | | | | | | | | | |
| LS8-402 | LA | | Right Side Shaft Options | | | | | | | | | |
| LS8-404 | LB | | | | | | | | | | | |
| LS9-502 | LC | | | | | | | | | | | |
| LS9-503 | LD | | | | | | | | | | | |
| LS9-504 | LE | | | | | | | | | | | |
| LS9-505 | LF | | | | | | | | | | | |
| LS9-506 | LG | | | | | | | | | | | |
| LS9-507 | LH | | | | | | | | | | | |

• 2, 3, 5, 10, 15, and 20 ton jacks are available with positions #1, #3, and #5
 • 25, 30, 35, 50, 75, 100, and 150 ton jacks are available with positions #1, #4, #7, and #8
 *These positions are not standard. Contact Joyce/Dayton with your requirements.