


# METRIC SCREW JACKS ORDERING INFORMATION

Instructions: Select a model number from this chart.

| 10 kN           | 25 kN                           | 50 kN                     | 100 kN            |
|-----------------|---------------------------------|---------------------------|-------------------|
| MWJ51<br>MWJ201 | MWJ62.5<br>MWJ122.5<br>MWJ242.5 | MWJ65<br>MWJ125<br>MWJ245 | MWJ810<br>MWJ2410 |


Sample Part Number: **MWJ65U2S-300-STD~~X~~-STD~~X~~-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  
STD~~X~~=Standard

For optional shaft codes, see page 73.

**Right Side Shaft Code**  
(see below)



XXXX=Remove  
STD~~X~~=Standard

For optional shaft codes, see page 73.

**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

**Metric Screw Jack Rise**

Rise is travel expressed in millimeters 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\*

\*Contact Joyce/Dayton with your requirements.

# METRIC 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 metric screw jacks. When specified, the closed height of the jack and the protection tube length may be increased.

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

**Mechanical Counters (p. 177)**

**CNT0**=0.025 mm increments


Note: Contact Joyce/Dayton for availability and options.



**Hand Wheels (p. 177)**

**HW04** = 4" dia. (102 mm)  
**HW06** = 6" dia. (152 mm)  
**HW08** = 8" dia. (203 mm)  
**HW10** = 10" dia. (254 mm)  
**HW12** = 12" dia. (305 mm)


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.
- If the motor frequency will be varied to provide a "soft" start, an inverter duty motor may be required.
- International voltage motors are available.

**Motors**


| Size     | Code     |
|----------|----------|
| 1/4 HP   | <b>K</b> |
| 1/3 HP   | <b>A</b> |
| 1/2 HP   | <b>B</b> |
| 3/4 HP   | <b>C</b> |
| 1 HP     | <b>D</b> |
| 1-1/2 HP | <b>E</b> |
| 2 HP     | <b>F</b> |
| 3 HP     | <b>L</b> |
| 5 HP     | <b>G</b> |

**Motor Mounts (p. 185)**

Ordering Example:

**MMA A**

**MMA**=56C Motor code from chart at left  
**MMB**=140TC  
**MMC**=180TC  
**MMD**=210TC



- Standard motor adapters are aluminum.
- Motor adapters for many IEC motors are available as an option.

**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 | <b>LI</b> | NOTE: Will always be 0 for LS7 models | Left Side Shaft Options  |    |   |    |   |    |    |    |  |  |
| LS8-402 | <b>LA</b> |                                       | Right Side Shaft Options |    |   |    |   |    |    |    |  |  |
| LS8-404 | <b>LB</b> |                                       |                          |    |   |    |   |    |    |    |  |  |
| LS9-502 | <b>LC</b> |                                       |                          |    |   |    |   |    |    |    |  |  |
| LS9-503 | <b>LD</b> |                                       |                          |    |   |    |   |    |    |    |  |  |
| LS9-504 | <b>LE</b> |                                       |                          |    |   |    |   |    |    |    |  |  |
| LS9-505 | <b>LF</b> |                                       |                          |    |   |    |   |    |    |    |  |  |
| LS9-506 | <b>LG</b> |                                       |                          |    |   |    |   |    |    |    |  |  |
| LS9-507 | <b>LH</b> |                                       |                          |    |   |    |   |    |    |    |  |  |

\* 25 kN, 50 kN, and 100 kN metric jacks are available with positions #1, #3, and #5.  
 \*These positions are not standard. Contact Joyce/Dayton with your requirements.