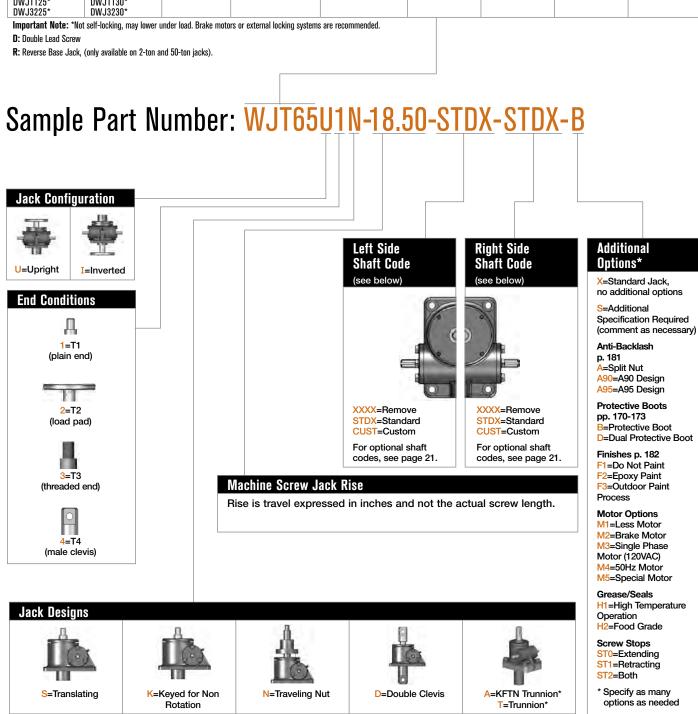


MACHINE SCREW JACKS ORDERING INFORMATION

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	WJ51	WJT62	RWJT62	WJ63	WJT65	WJ810	WJ815	WJ820
WJ500* WJ1000	WJ201	WJT122 WJT242	RWJT122 RWJT242	WJ123 WJ243	WJT125 WJT245	WJ2410 WJ2510	WJ2415 WJ2515	WJ2420 WJ2520
1101000		WJT252	RWJT252	WJ253	WJT255	1102010	1102010	1102020
		DWJ62*	DRWJ62*	DWJ63*	DWJ65*	DWJ810*	DWJ815*	DWJ820*
		DWJ122* DWJ242*	DRWJ122* DRWJ242*	DWJ123* DWJ243*	DWJ125* DWJ245*	DWJ2410*	DWJ2415*	DWJ2420*
25-Ton	30-Ton	35-Ton	50-Ton	50-Ton Reverse Base		100-Ton	150-Ton	250-Ton
WJ1125	WJ1130	WJ1135	WJT1150	RWJT1150	WJ1175	WJ12100	WJ12150	WJ50250
WJ3225	WJ3230	WJ3235	WJT3250	RWJT3250	WJ3275	WJ36100	WJ36150	
DWJ1125*	DWJ1130*							
DWJ3225*	DWJ3230*							



^{*}Standard trunnion mounts available on 2-ton through 20-ton jacks. (See page 183)

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. 170-173)

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. 180)

CNT0=0.001" Increments Note: Contact Joyce for availability and options.



Hand Wheels (p. 180)

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



HW12=12" dia Recommended for self-locking jacks only.

Geared Potentiometers (p. 175)

POTA=0-10V POTB=4-20mA

POTC=0-10V

w/2 switches

POTD=4-20mA

w/2 switches

IP65 rated enclosures

Encoders (pp. 176-177)

ENCA=Absolute Encoder 0-10 VDC, programmable

ENCB=Absolute Encoder 4-20mA, programmable

ENCC=Absolute Encoder CAN Open

ENCD=Absolute Encoder SSI

ENCS=Stainless Steel Incremental Encoder 1024 PPR

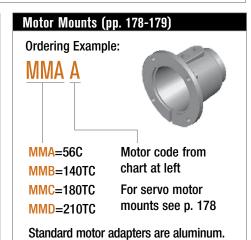
ENCX=Incremental Encoder 200 PPR

ENCY=Incremental Encoder 1024 PPR

Motors for Systems and Direct Drives (pp. 178-179)

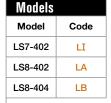
- All standard motors are 3-phase, 208-230/460 VAC or 230/460 VAC. Other motor options are available.
 Specify the appropriate motor size from the chart on the right.
- Refer to the "Additional Options" chart on the preceding page as needed.
- Brake motors (M2) are recommended for jacks that are not 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.

•
Code
K
Α
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J



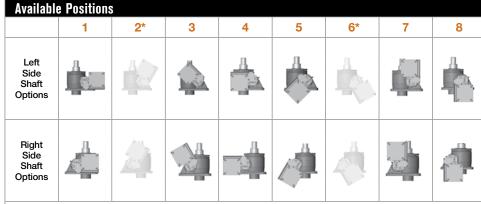
Mechanical Limit Switches (p. 174)

Ordering Example: <u>LA13</u>



Number of DPDT Switches (see p. 174)

NOTE: Will always be 0 for LS7 models



- 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 with your requirements.

MACHINE SCREW JACKS SPECIFICATIONS

Model	Capacity	Screw Diameter (Inches)	Thread Pitch/Lead	Worm Gear Ratio	Worm Shaft Turns for 1" Travel	Tare Torque (Inch Lbs.)	Starting Torque (Inch Lbs.)	Operating Torque (Inch Lbs.)	Efficiency Rating % Approx.	Screw Torque (Inch Lbs.)	Basic Jack Weight (Lbs.)	Jack Weight per Inch Travel (Lbs.)
WJ250	250 lbs.	1/2	.125 pitch STUB ACME	5:1	40	1	.025W*	.018W* @ 500 RPM	23.0	.050W*	1.2	0.1
WJ500	500 lbs.	5/8	.125 pitch .250 lead STUB ACME	5:1	20	1	.041W*	.030W* @ 500 RPM	27.2	.079W*	1.3	0.1
WJ1000	1,000 lbs.	5/8	.125 pitch STUB ACME	5:1	40	1	.030W*	.021W* @ 500 RPM	19.9	.059W*	1.3	0.1
WJ51	1.1	0/4	.200 pitch	5:1	25		.038W*	.026W* @ 500 RPM	25.0	07514/*		0.0
WJ201	1 ton	3/4	ACMÉ 2C	20:1	100	3	.017W*	.009W* @ 500 RPM	15.9	.075W*	6	0.3
(R)WJT62				6:1	24		.041W*	.028W* @ 500 RPM	24.2			
(R)WJT122			.250 pitch	12:1	48		.025W*	.015W* @ 500 RPM	22.0	00014/*		
(R)WJT242			ACMÉ 2C	24:1	96		.018W*	.009W* @ 500 RPM	18.3	.098W*		
(R)WJT252	2 ton	1		25:1	100	4	.015W*	.0085W* @ 500 RPM	17.0		15	0.3
D(R)WJ62			050	6:1	12		.057W*	.039W* @ 500 RPM	33.7			
D(R)WJ122			.250 pitch .500 lead	12:1	24		.035W*	.022W* @ 500 RPM	30.5	.139W*		
D(R)WJ242			ACME 2C	24:1	48		.025W*	.013W* @ 500 RPM	25.4			
WJ63				6:1	24	6	.040W*	.029W* @ 500 RPM	24.3	.098W*		
WJ123			.250 pitch ACME 2C	12:1	48		.025W*	.016W* @ 500 RPM	22.2		17	
WJ243				24:1	96		.017W*	.009W* @ 500 RPM	18.5			
WJ253	3 ton	1		25:1	100		.0155W*	.009W* @ 500 RPM	17.8			0.4
DWJ63			250	6:1	12	-	.055W*	.041W* @ 500 RPM	33.8			
DWJ123			.250 pitch .500 lead ACME 2C	12:1	24		.034W*	.022W* @ 500 RPM	30.7			
DWJ243			AUME 20	24:1	48		.024W*	.013W* @ 500 RPM	25.6			
WJT65				6:1	16		.065W*	.044W* @ 300 RPM	23.0			
WJT125			.375 pitch STUB ACME	12:1	32		.041W*	.025W* @ 300 RPM	20.6	.151W*		
WJT245				24:1	64		.029W*	.015W* @ 300 RPM	16.7			
WJT255	5 ton	1 1/2	.250 pitch ACME 2C	25:1	100	10	.022W*	.011W* @ 300 RPM	13.4	.131W*	32	0.7
DWJ65			050 -: 1-1	6:1	12		.072W*	.050W* @ 300 RPM	26.8			
DWJ125			.250 pitch .500 lead ACME 2C	12:1	24		.045W*	.028W* @ 300 RPM	23.9	.171W*		
DWJ245			AUWE ZU	24:1	48		.033W*	.017W* @ 300 RPM	19.6			
WJ810			.500 pitch	8:1	16		.061W*	.043W* @ 200 RPM	23.1	10514/+		1.3
WJ2410			ACME 2C	24:1	48		.030W*	.018W* @ 200 RPM	18.8	.195W*		
WJ2510	10 ton	2	.250 pitch ACME 2C	25:1	100	20	.024W*	.014W* @ 200 RPM	11.3	.161W*	43	
DWJ810			.333 pitch	8:1	12		.070W*	.062W* @ 200 RPM	31.9	00014/*		
DWJ2410			.666 lead ACME 2C	24:1	36		.035W*	.026W* @ 200 RPM	25.9	.228W*		

Important Note: Series DWJ double lead screw jacks and WJ500 screw jacks are not self-locking. Brake motors or external locking systems are recommended.

(R): Reverse Base Jack.

*W: Load in pounds.

Tare Torque: Initial torque to overcome seal and normal assembly drag. This value must be added to starting torque or operating torque values.

Starting Torque: Torque value required to start moving the rated load (dissipates to operating torque values once the load begins moving).

Operating Torque: Torque required to continuously raise a given load at the input RPM listed.

Note: If your actual input RPM is 20% higher or lower than the listed RPM, please refer to JAX® Online to determine actual torque values at your RPM.

Screw Torque: Torque required to resist screw rotation (Translating Design Jacks) and traveling nut rotation (Keyed for Traveling Nut Design Jacks).

Lead: The distance traveled axially in one rotation of the lifting screw.

Pitch: The distance from a point on a screw thread to a corresponding point on the next thread, measured axially.

Note: This chart is provided for reference only. For specific information such as column loading, allowable continuous travel and other performance factors

please refer to $\ensuremath{\mathsf{JAX}}^{\circledast}$ Online software or contact Joyce.

MACHINE SCREW JACKS SPECIFICATIONS

Model	Capacity	Screw Diameter (Inches)	Thread Pitch/Lead	Worm Gear Ratio	Worm Shaft Turns for 1" Travel	Tare Torque (Inch Lbs.)	Starting Torque (Inch Lbs.)	Operating Torque (Inch Lbs.)	Efficiency Rating % Approx	Screw Torque (Inch Lbs.)	Basic Jack Weight (Lbs.)	Jack Weight per Inch Travel (Lbs.)						
WJ815		0.1/4	.500 pitch	8:1	16		.069W*	.047W* @ 200 RPM	21.1	.210W*								
WJ2415		2 1/4	ACMÈ 2C	24:1	48		.036W*	.020W* @ 200 RPM	16.6	.ZIUW								
WJ2515	15 ton		.250 pitch ACME 2C	25:1	100	30	.026W*	.015W* @ 200 RPM	10.2	.178W*	59	1.4						
DWJ815		0.444	.333 pitch	8:1	12		.079W*	.058W* @ 200 RPM	34.4	04414/4								
DWJ2415		2 1/4	.666 lead ACME 2C	24:1	36		.041W*	.025W* @ 200 RPM	27.0	.244W*								
WJ820			.500 pitch	8:1	16		.075W*	.051W* @ 200 RPM	19.6	.227W*								
WJ2420		2 1/2	ACME 2C	24:1	48		.039W*	.022W* @ 200 RPM	15.4									
WJ2520	20 ton		.250 pitch ACME 2C	25:1	100	40	.029W*	.016W* @ 200 RPM	9.4	.194W*	77	1.9						
DWJ820		0.1/0	.375 pitch	8:1	10.67		.088W*	.061W* @ 200 RPM	24.5	07014/+								
DWJ2420		2 1/2	.750 lead ACME 2C	24:1	32		.046W*	.026W* @ 200 RPM	19.3	272W*								
WJ1125		3 3/8	2.0/2	0.040	.666 pitch	11:1	16		.088W*	.055W* @ 200 RPM	18.3	01014						
WJ3225	05.		Stub ACME	32:1	48	50	.053W*	.025W* @ 200 RPM	13.5	.313W*	164							
DWJ1125	25 ton		.562 pitch	11:1	9.5		.106W*	.067W* @ 200 RPM	25.1	.384W*		3.1						
DWJ3225			1.125 lead ACME 2C	32:1	28.5		.063W*	.030W* @ 200 RPM	18.6									
WJ1130		0.110	0.470	0.1/0	0.1/0	0.1/0	2 1 /0	2 1 /0	.666 pitch	11:1	16		.088W*	.055W* @ 200 RPM	18.3	04.034/#		
WJ3230		3 1/2	ACME 2C	32:1	48	- 60	.052W*	.025W* @ 200 RPM	13.5	313W*	- 164							
DWJ1130	30 ton	0.1/0	.5625 pitch	11:1	9.5		.107W*	.067W* @ 200 RPM	25.1	.384W*		3.0						
DWJ3230		3 1/2	1.125 lead ACME 2C	32:1	28.5		.064W*	.030W* @ 200 RPM	18.6									
WJ1135	05.4	0.044	.666 pitch	11:1	16	70	.093W*	.057W* @ 200 RPM	17.4	00014/*	040	0.4						
WJ3235	35 ton	3 3/4	ACME 2C	32:1	48	70	.055W*	.026W* @ 200 RPM	12.9	328W*	240	3.4						
(R)WJT1150	E0 44-	4.1/0	.666 pitch	11:1	16	100	.095W*	.063W* @ 150 RPM	15.8	27014/*	207	6.1						
(R)WJT3250	50 ton	4 1/2	ACMĖ 2C	32:1	48	100	.050W*	.027W* @ 150 RPM	12.4	378W*	387	6.1						
WJ1175	75 1	F	.666 pitch	11:1	16	155	.107W*	.067W* @ 150 RPM	14.8	44.0\4/*	010	6.5						
WJ3275	75 ton	5	ACME 2C	32:1	48	155	.056W*	.028W* @ 150 RPM	11.7	.418W*	610	6.5						
WJ12100	100.4	r	.750 pitch	12:1	16	005	.112W*	.072W* @ 90 RPM	13.9	40514/*	1010	10.0						
WJ36100	100 ton	6	ACME 2C	36:1	48	205	.059W*	.031W* @ 90 RPM	10.8	495W*	1010	10.0						
WJ12150	150	7	1.00 pitch	12:1	12	•	.134W*	.084W* @ 90 RPM	15.7	EOC!	1050	10.0						
WJ36150	150 ton	7	ACME 2C	36:1	36	300	.070W*	.037W* @ 90 RPM	12.1	.595W*	1350	12.2						
WJ50250	250 ton	9	1.00 pitch ACME 2C	50:1	50	500		.036W* @ 60 RPM	8.8	.711W*	3415	21.0						

Important Note: Series DWJ double lead screw jacks and WJ500 screw jacks are not self-locking. Brake motors or external locking systems are recommended.

(R): Reverse Base Jack.

*W: Load in pounds.

Tare Torque: Initial torque to overcome seal and normal assembly drag. This value must be added to starting torque or operating torque values.

Starting Torque: Torque value required to start moving the rated load (dissipates to operating torque values once the load begins moving).

Operating Torque: Torque required to continuously raise a given load at the input RPM listed.

Note: If your actual input RPM is 20% higher or lower than the listed RPM, please refer to JAX® Online to determine actual torque values at your RPM.

Screw Torque: Torque required to resist screw rotation (Translating Design Jacks) and traveling nut rotation (Keyed for Traveling Nut Design Jacks).

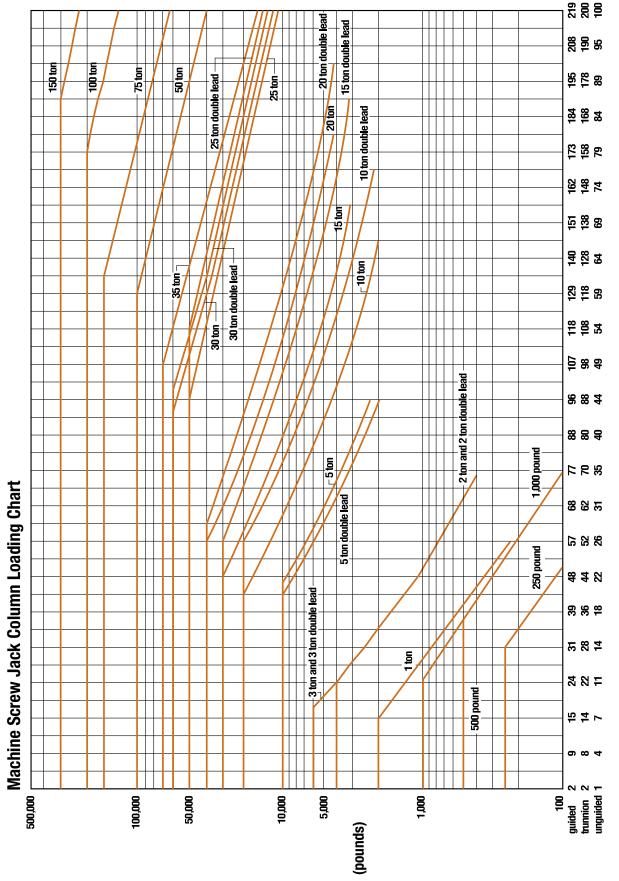
Lead: The distance traveled axially in one rotation of the lifting screw.

Pitch: The distance from a point on a screw thread to a corresponding point on the next thread, measured axially.

Note: This chart is provided for reference only. For specific information such as column loading, allowable continuous travel and other performance factors

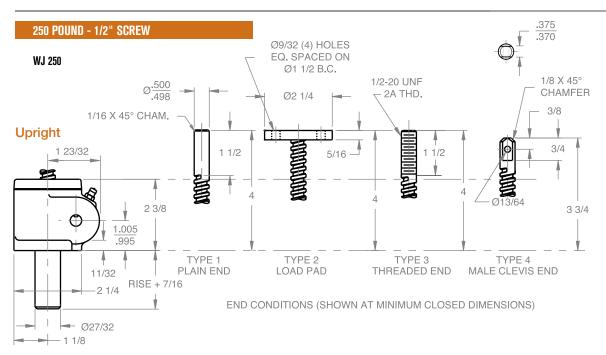
please refer to JAX® Online software or contact Joyce.

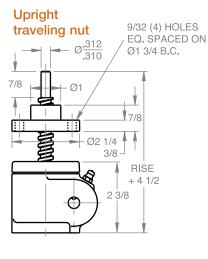
MACHINE SCREW JACKS COLUMN LOADING

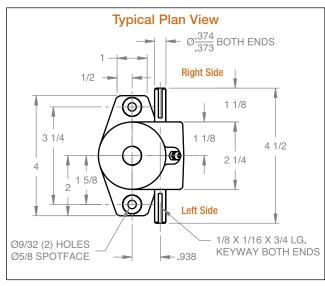


Screw Length (inches)

This chart includes a 2:1 Factor-of-Safety based on the Euler-Johnson equation for column loading (Oberg, Erik et al: Machinery's Handbook, 24th Edition. c. 1992 Industrial Press Inc.) The horizontal portion of each line represents the jack's maximum dynamic capacity. Under static conditions, these lines can be exceeded. Please contact factory for assistance.

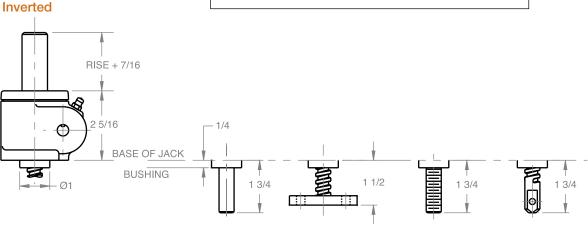




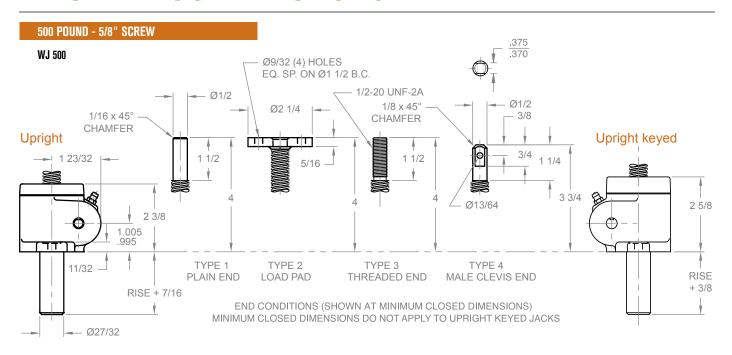


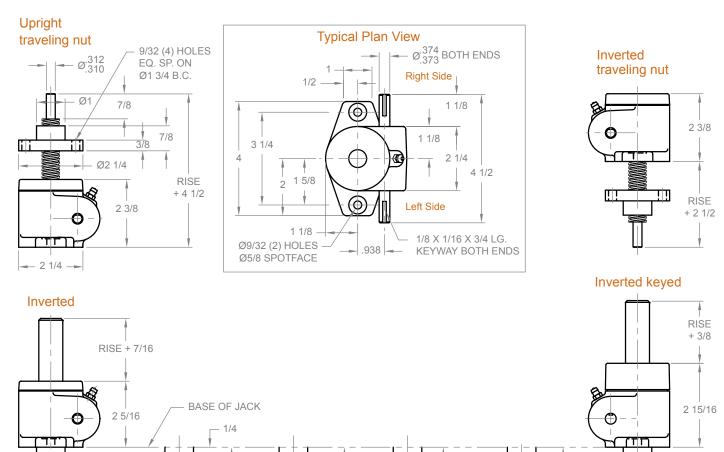


RISE + 2 1/2



Material Notes: Housing and protection tube are aluminum. Lifting screw is 304 S.S., Input shaft (worm) is 416 S.S. Note: Drawings are artist's conception — not for certification; dimensions are subject to change without notice.





1 1/2

Material Notes: Housing and protection tube are aluminum. Lifting screw is 304 S.S. Input shaft (worm) is 416 S.S. Note: Drawings are artist's conception - not for certification; dimensions are subject to change without notice.

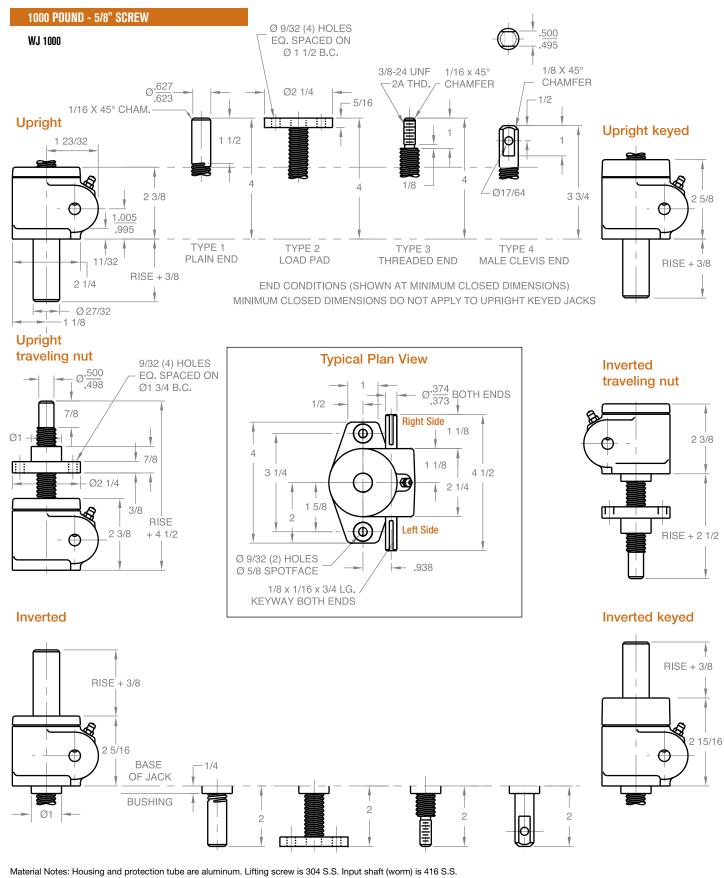
1 3/4

1 3/4

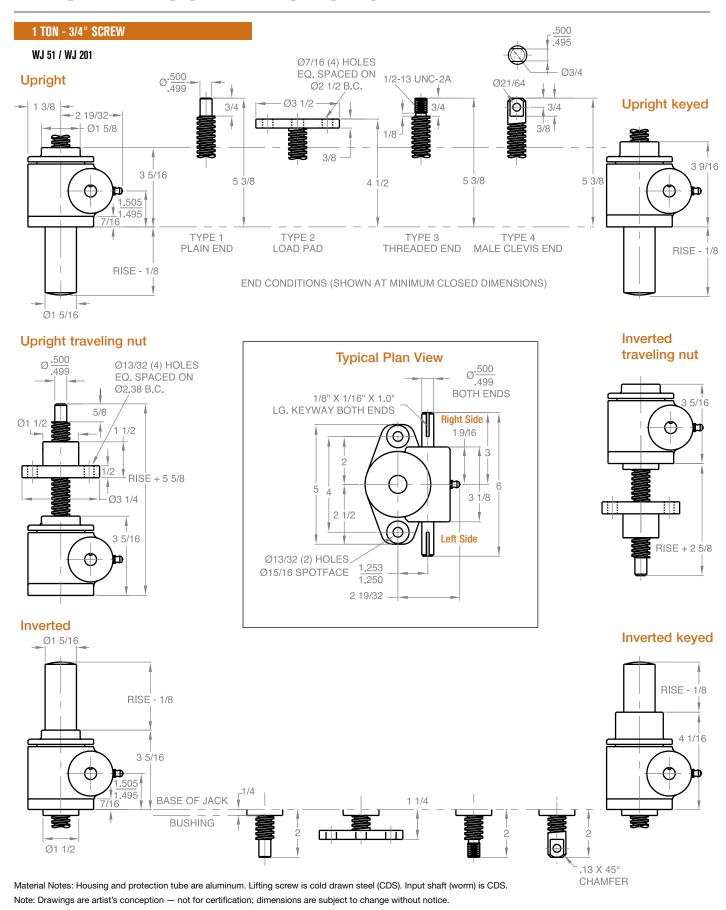
1 3/4

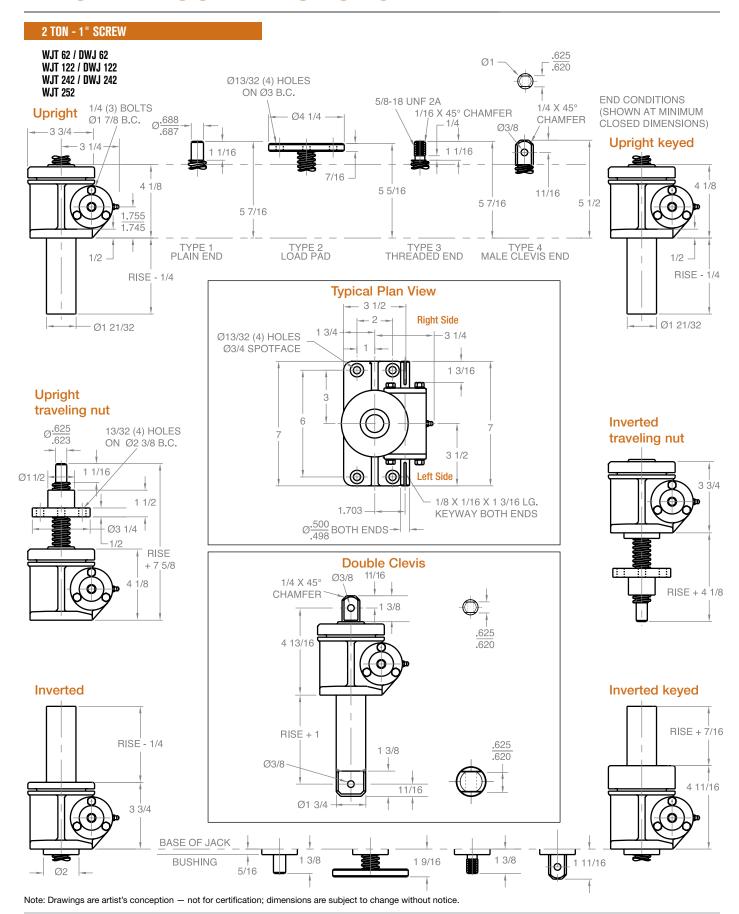
BUSHING

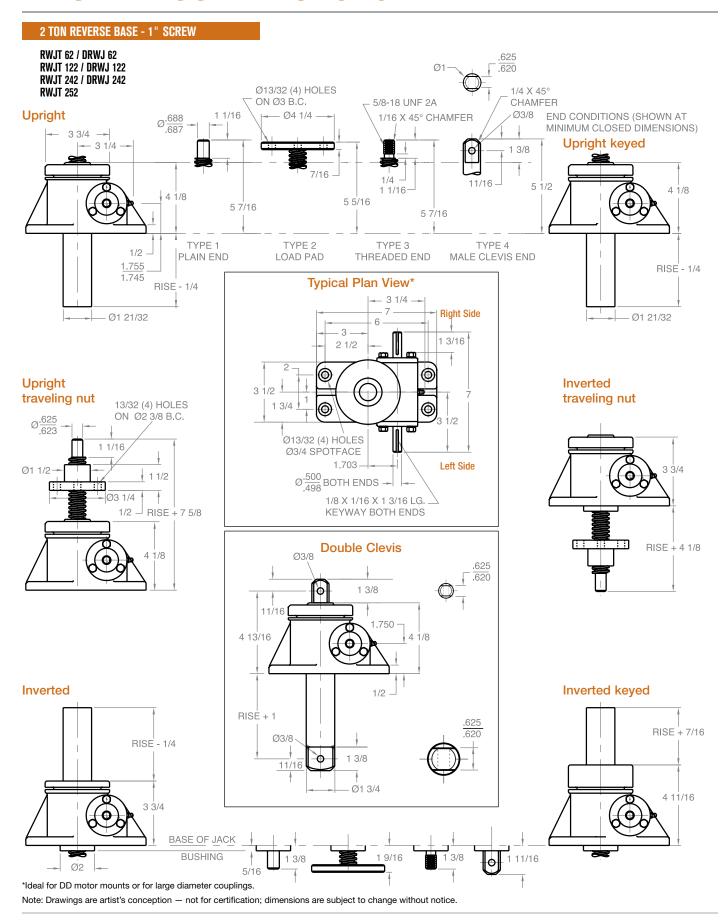
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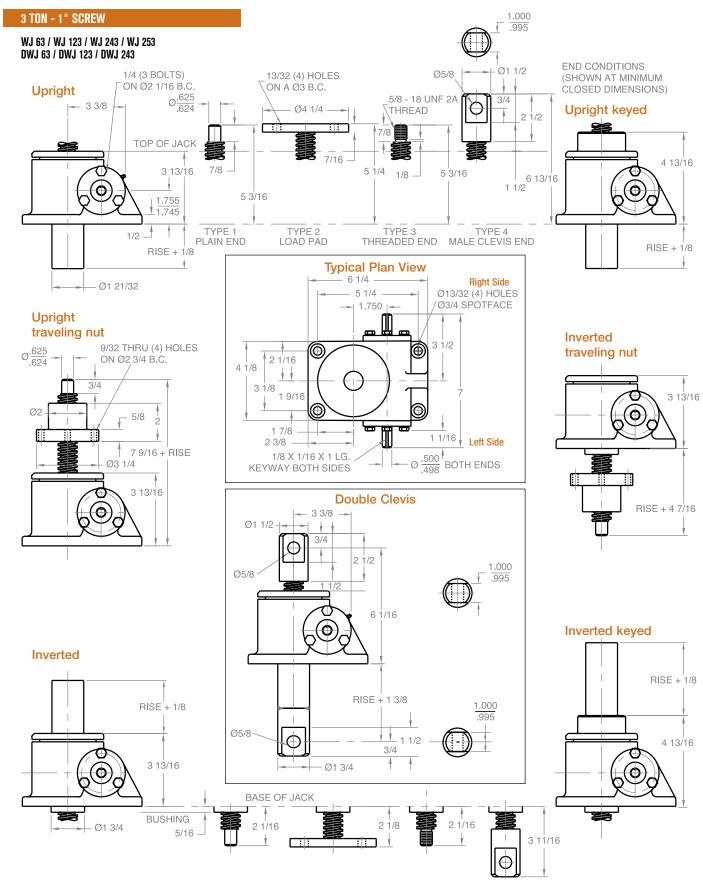


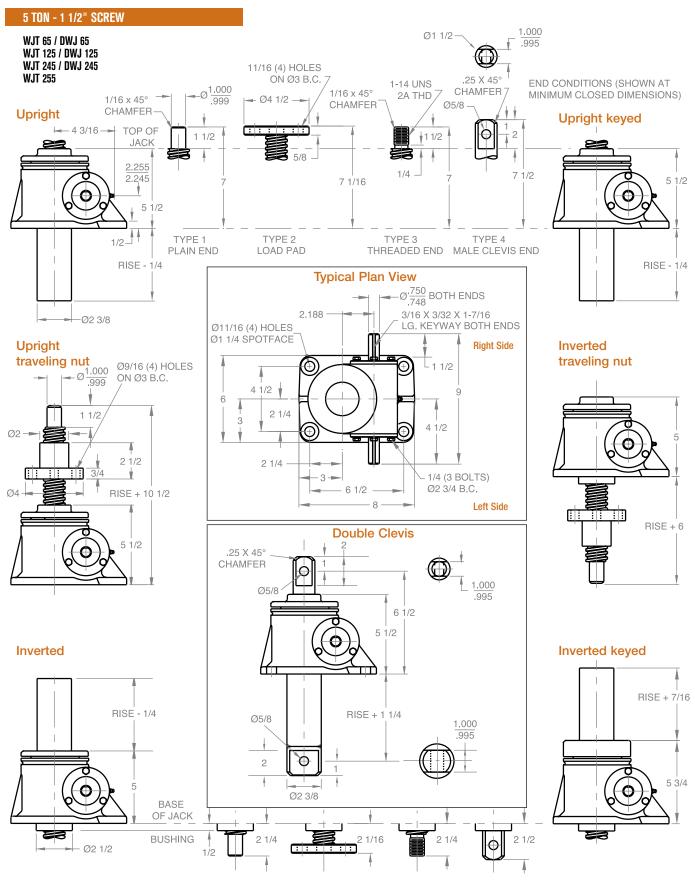
Material Notes: Housing and protection tube are aluminum. Lifting screw is 304 S.S. Input shaft (worm) is 416 S.S. Note: Drawings are artist's conception — not for certification; dimensions are subject to change without notice.

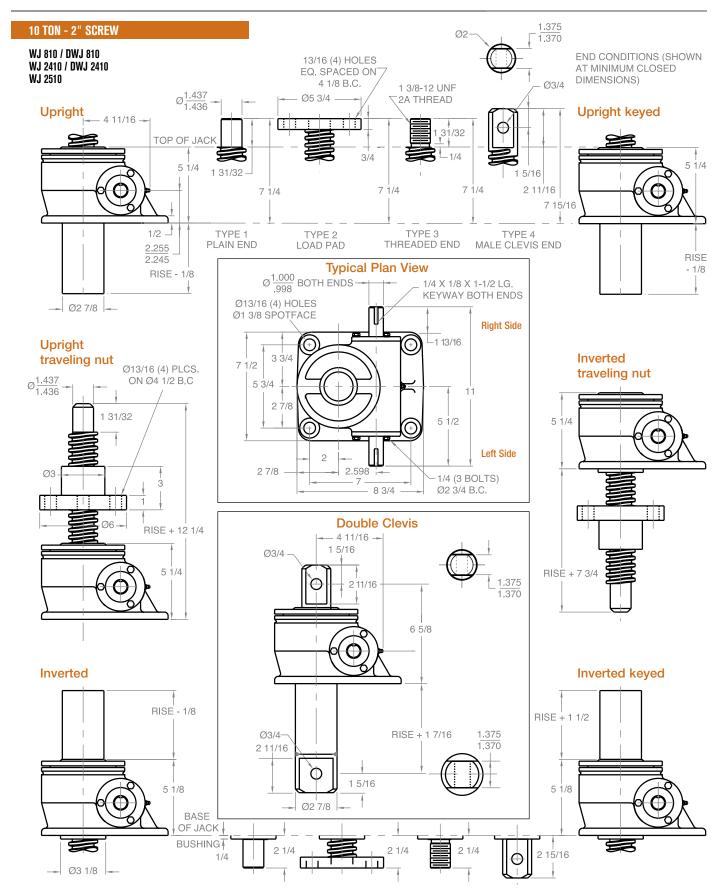


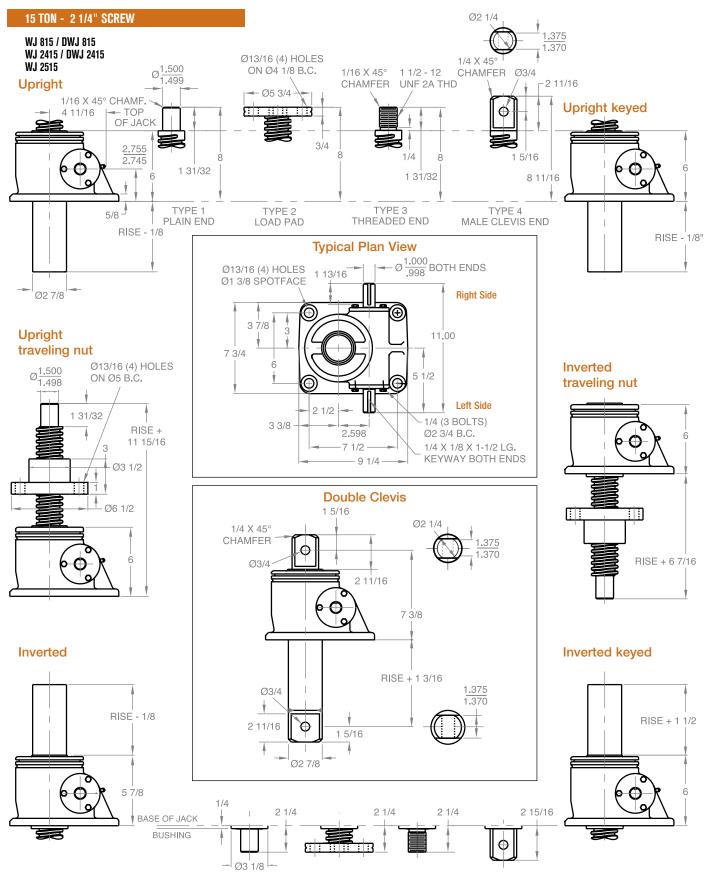


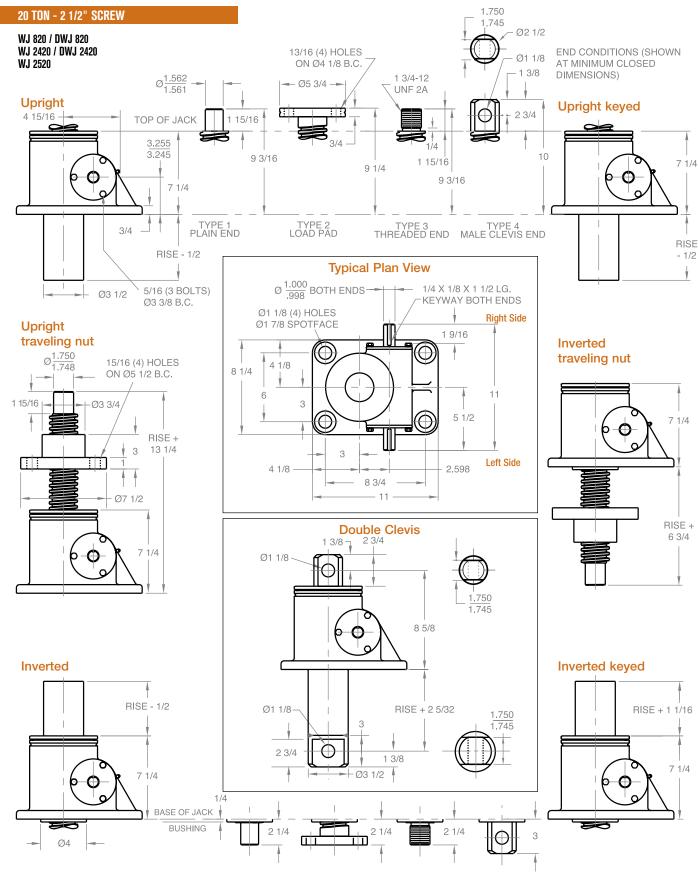


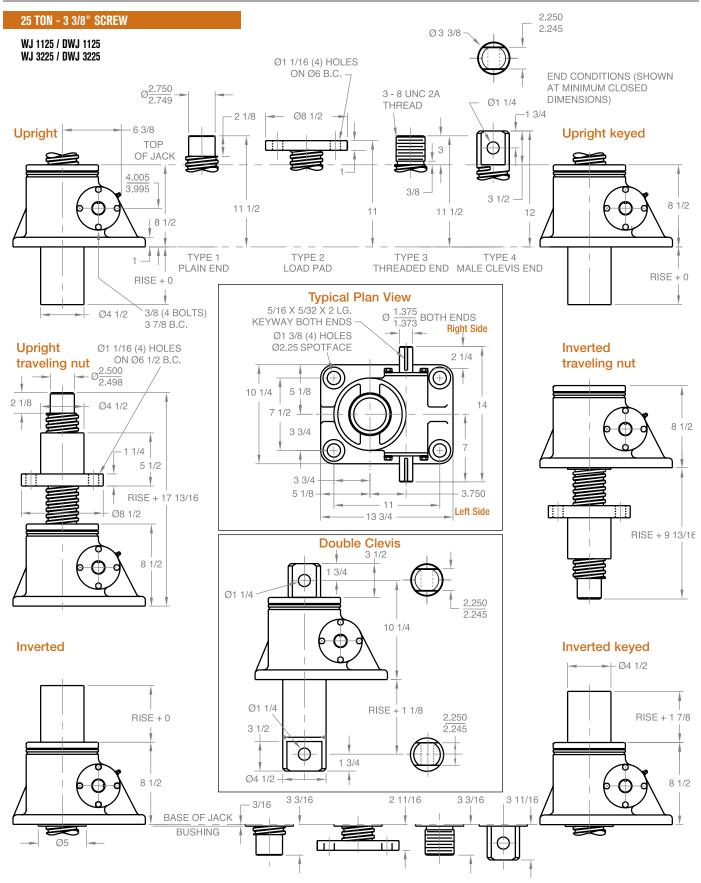


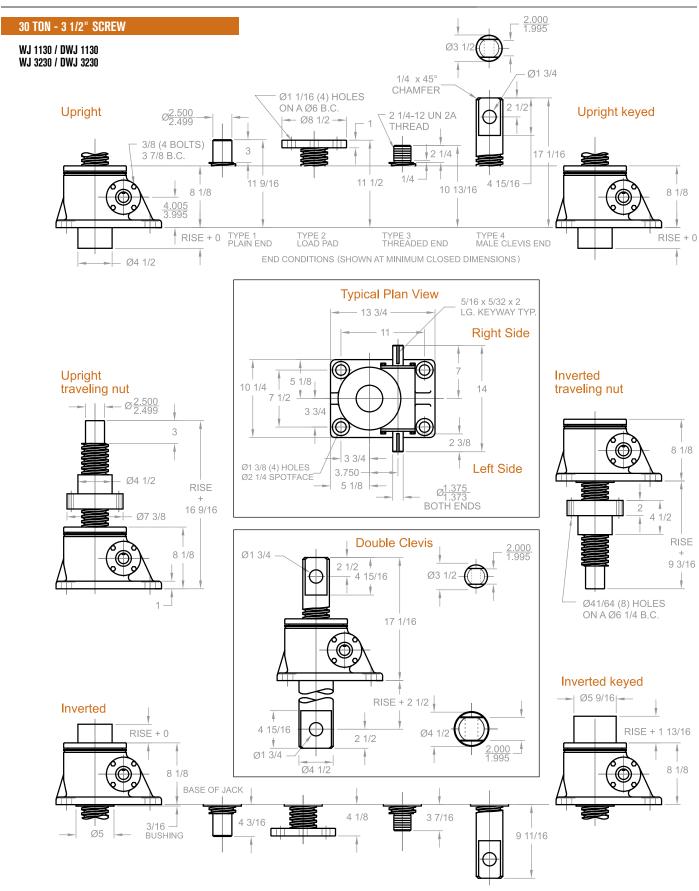




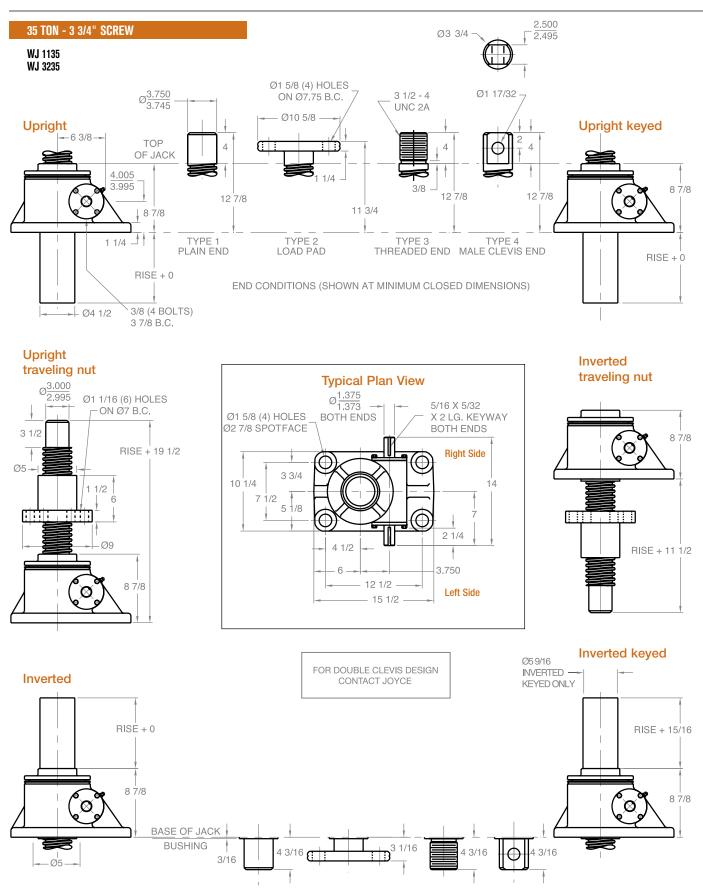


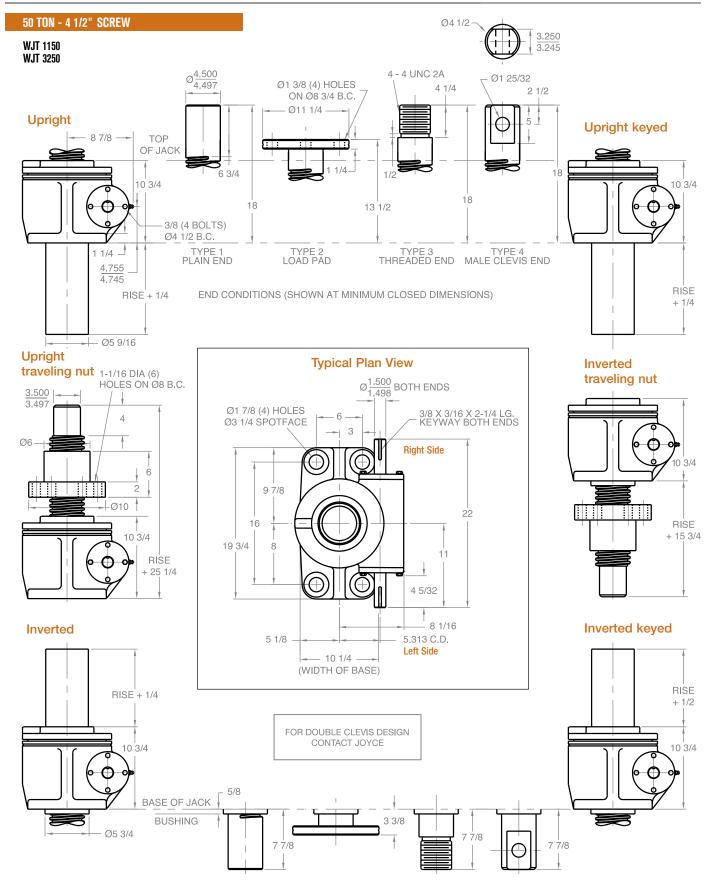


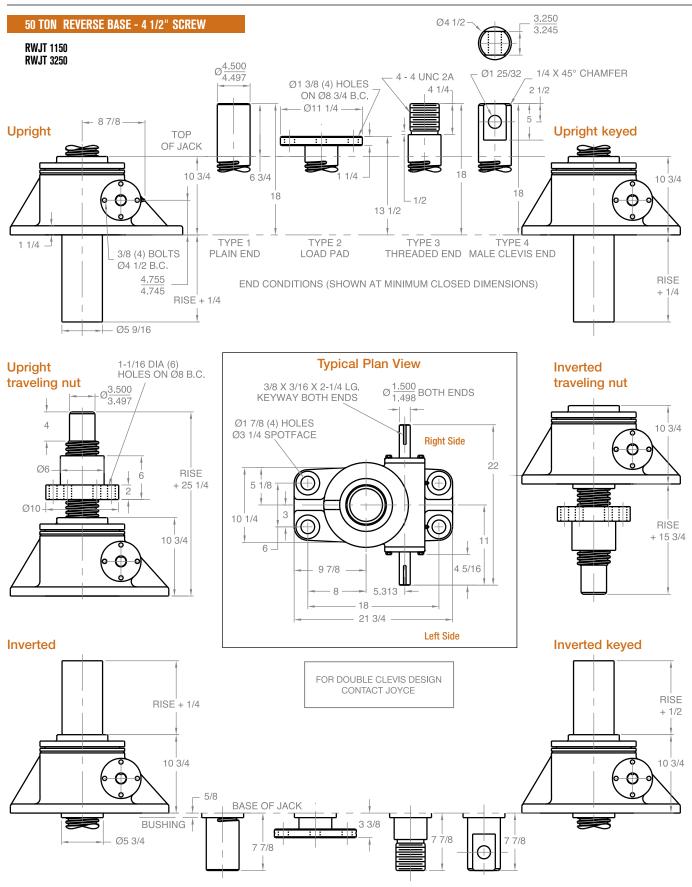


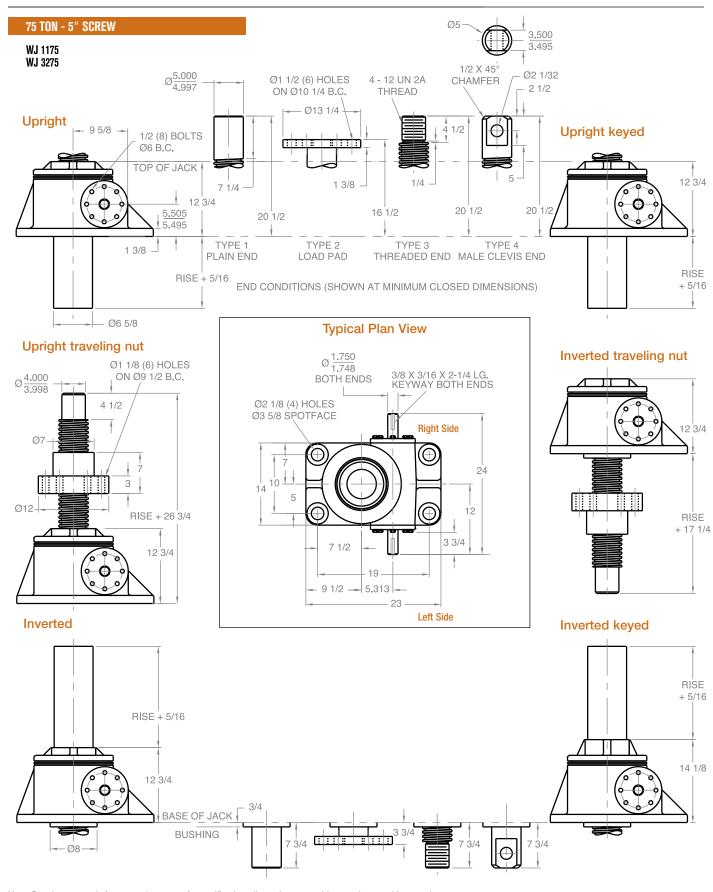


 $\label{eq:note:prawings} \mbox{ are artist's conception } -\mbox{ not for certification; dimensions are subject to change without notice.}$

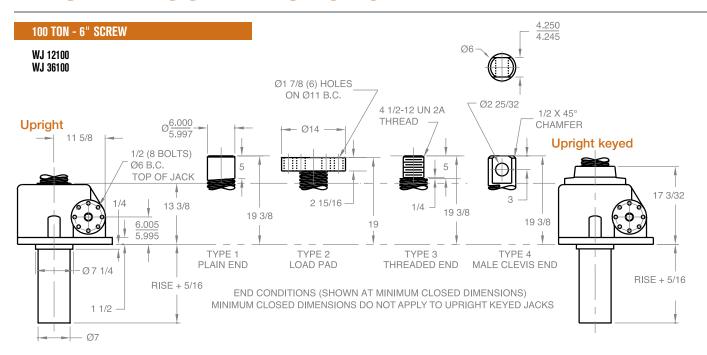


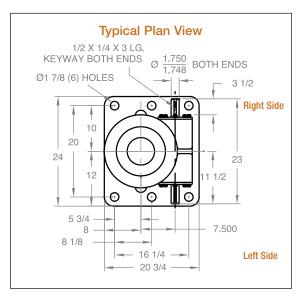


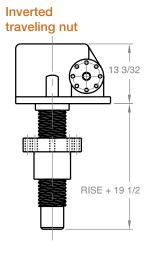


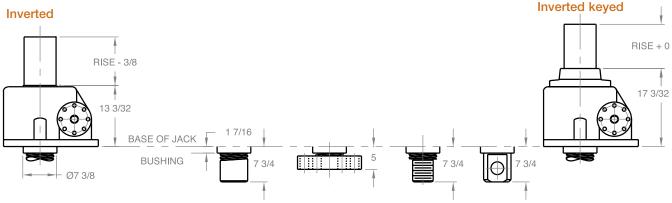


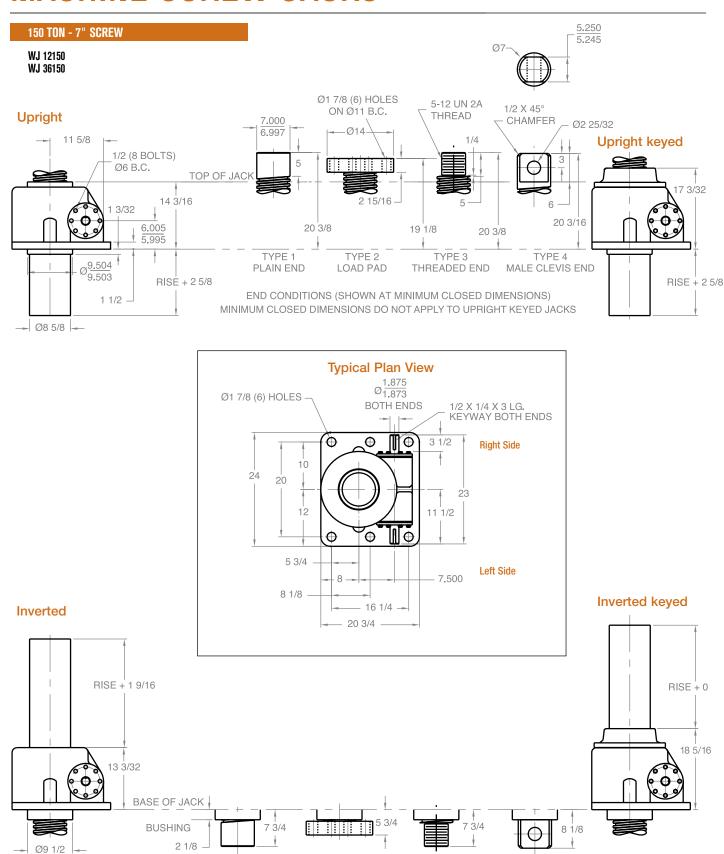
 $\label{thm:conception-not} \mbox{Note: Drawings are artist's conception-not for certification; dimensions are subject to change without notice.}$

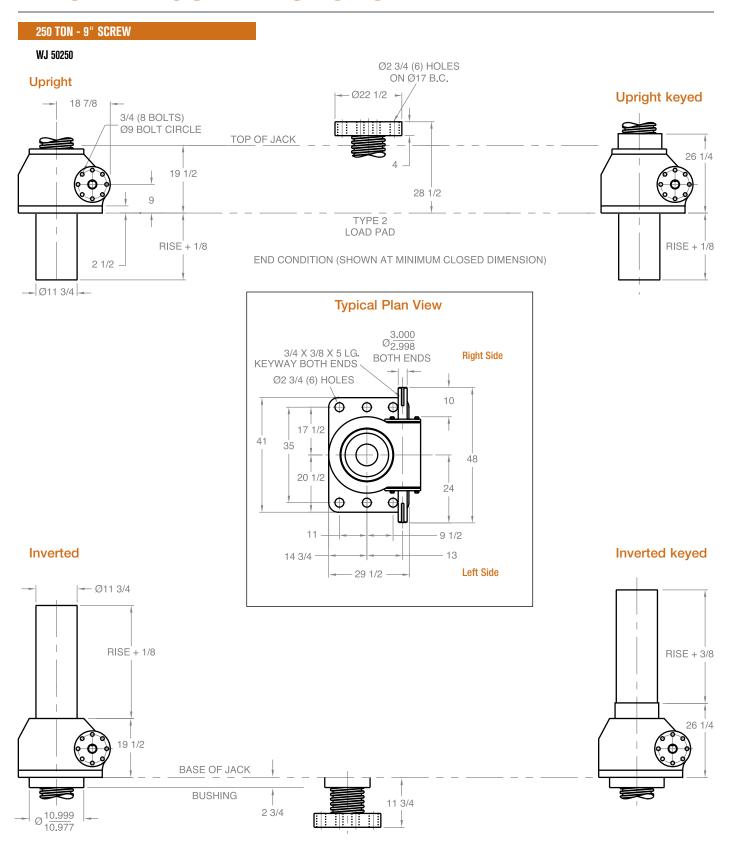












MACHINE SCREW Comdrives®



Joyce machine screw ComDRIVEs® combine a machine screw jack, motor and gear reducer into a single compact unit. ComDRIVEs are available in 2-ton through 30-ton capacities. They provide travel speeds up to 35.1 inches per minute. ComDRIVEs with single lead screws (CD) are self-locking; those with double lead screws (DCD) may require a brake motor or external locking device to hold position.

Four standard end conditions are available and ComDRIVEs can be fitted with protective boots. Limit switches, anti-backlash devices, and other options are also available.

ComDRIVE Benefits:

- Can power an entire jacking system.
- Reduces the number of components that must be specified.
- · Simplifies design.
- Reduces installation costs with only a single plate needed to mount the jack body.
- Reduces the number of couplings and shafts required in multi-jack systems.
- Standard 230/460 volt, 3-phase, 60 hertz motor included.

ComDRIVEs can be specified without the motor. The reducer flange accepts standard NEMA motor frame sizes.

Joyce can customize ComDRIVEs to meet your specifications. Ask about larger size ComDRIVEs.

Joyce offers Machine Screw ComDRIVEs in several designs including:

- Translating
- Keyed for non-rotation
- Keyed for traveling nut (KFTN)
- Double clevis
- Trunnion mount

A guide for ordering is on pages 46 and 47.

MACHINE SCREW Comdrives Ordering Information

Instructions: Select a model number from this chart.

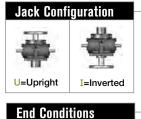
2-Ton	3-Ton	5-Ton	10-Ton	15-Ton	20-Ton	25-Ton	30-Ton
CD62 CD122 CD242	CD63 CD123 CD243	CD65 CD125 CD245	CD810 CD2410	CD815 CD2415	CD820 CD2420	CD1125 CD3225	CD1130 CD3230
DCD62* DCD122* DCD242*	DCD63* DCD123* DCD243*	DCD65* DCD125* DCD245*	DCD810* DCD2410*	DCD815* DCD2415*	DCD820* DCD2420*	DCD1125* DCD3225*	DCD1130* DCD3230*

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

DCD: Double lead screw.

(For 25:1 ratio contact Joyce.)





1=T1 (plain end) 2=T2 (load pad) 3=T3 (threaded end)

4=T4

(male clevis)

Jack Designs

Left Side Shaft Code (see below)



XXXX=Remove STDX=Standard CUST=Custom

For optional shaft codes, see page 47.

Right Side Shaft Code (see below)



XXXX=Remove STDX=Standard CUST=Custom

For optional shaft codes, see page 47.

A=KFTN Trunnion*

T=Trunnion*

ComDRIVE® Rise

N=Traveling Nut

Rise is travel expressed in inches and not the actual screw length. When companion jacks are ordered with the ComDRIVE $^{\circ}$, their screws are lengthened to match the ComDRIVE $^{\circ}$.

Additional Options*

X=Standard Jack, no additional options

S=Additional Specification Required (comment as necessary)

Anti-Backlash p. 181

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

Protective Boots

pp. 170-173 B=Protective Boot D=Dual Protective Boot

Finishes p. 182

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 M5=Special Motor

Grease/Seals

H1=High Temperature Operation

H2=Food Grade

Screw Stops Extending and retracting stops are standard on ComDRIVEs.

Specify as many options as needed

*Standard trunnion mounts available on 2-ton through 20-ton jacks. (See page 183)

D=Double Clevis

S=Translating K=Keyed for Non Rotation

MACHINE SCREW Comdrives 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 ComDRIVE®.

Screw Stops (p. 10) and Boots (pp. 170-173)

Extending and retracting screw stops are standard on ComDRIVEs. When boots are added to ComDRIVEs, the closed height of the unit may be increased.

Mechanical Counters (p. 180)

CNT0=0.001" Increments

Note: Contact Joyce for availability and options.



Geared Potentiometers (p. 175)

POTA=0-10V

POTB=4-20mA

POTC=0-10V w/2 switches

POTD=4-20mA w/2 switches

IP65 rated enclosures



Encoders (pp. 176-177)

ENCA=Absolute Encoder 0-10 VDC, programmable

ENCB=Absolute Encoder 4-20mA, programmable

ENCC=Absolute Encoder CAN Open

ENCD=Absolute Encoder SSI

ENCS=Stainless Steel Incremental Encoder 1024 PPR

ENCX=Incremental Encoder 200 PPR

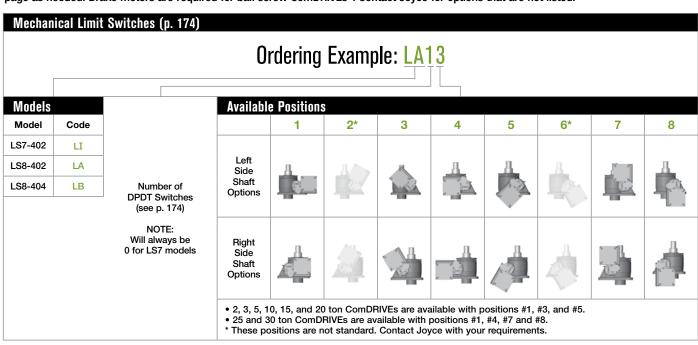
ENCY=Incremental Encoder 1024 PPR



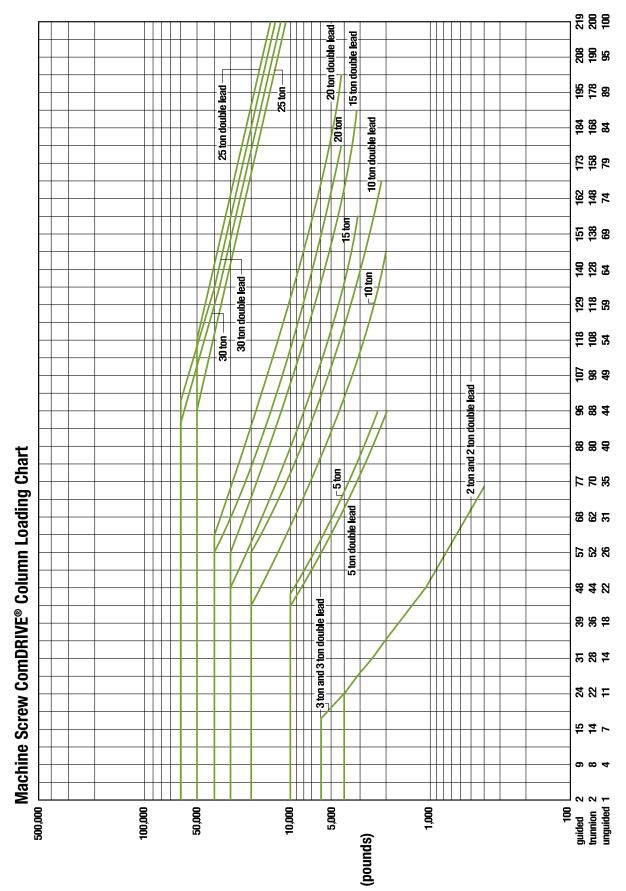
ComDRIVE Redu	ıcers (pp. 49-57)										
Ordering Example: P2AC Motor code from chart at right											
Mounting Posit	ions				Ratio						
Code	P1	P2	P3	P4	5:1						
Left Side Shaft Options	-				Code A 7.5:1 Code B						
-	1.00				10:1 Code C						
Right Side					15:1 Code D						
Shaft Options					Special Ratio Code X						

Motors	
Size	Code
1/4 HP	K
1/3 HP	Α
1/2 HP	В
3/4 HP	С
1 HP	D
1-1/2 HP	E
2 HP	F
3 HP	L
5 HP	G
7-1/2 HP	Н
10 HP	I
15 HP	J

All standard motors are 3-phase, 208-230/460 VAC or 230/460 VAC. Other motor options are available including international voltages, and single phase AC. Specify the appropriate motor size from the chart above. Refer to the "Additional Options" chart on the preceding page as needed. Brake motors are required for ball screw ComDRIVEs®. Contact Joyce for options that are not listed.



MACHINE SCREW Comdrives Column Loading



Screw Length (inches)

This chart includes a 2:1 Factor-of-Safety based on the Euler-Johnson equation for column loading (Oberg, Erik et al: Machinery's Handbook, 24th Edition. c. 1992 Industrial Press Inc.) The horizontal portion of each line represents the jack's maximum dynamic capacity. Under static conditions, these lines can be exceeded. Please contact factory for assistance.

MACHINE SCREW Comdrives Specifications

2 Ton Mod	lel Number		CD62		CI	1122		CD242			DCD62		DCD122		DCD242	
Reducer Ratio		5	7 1/2	10	5	7 1/2	5	7 1/2	10	5	7 1/2	10	7 1/2	5	7 1/2	10
Travel Speed		13.88	9.50	7.04	6.94	4.75	3.47	2.38	1.76	27.75	19.00	14.08	9.50	6.94	4.75	3.52
Lifting	1/3 HP	1,865	2,650	3,500	3,350	4,000	4,000	4,000	4,000	1,300	1,850	2,450	3,300	3,830	4,000	4,000
Capacity,	1/2 HP	2,875	4,000	4,000	4,000	,	,	,	,	2,000	2,825	3,720	4,000	4.000		,
Lbs.	3/4 HP	4,000	.,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,					3,060	4,000	-,	,,,,,,,	1,000		
O Tan Mad		.,000	ODco		0.1	2400		00040		0,000	,		D0D400		DODO40	
3 Ton Mod		E	CD63	10	5	7 1/2	5	7 1/2	10	5	DCD63 7 1/2	10	DCD123	5	DCD243	10
Reducer Ratio		5	7 1/2	10				_	10	27.75		-	7 1/2	_	7 1/2	10
Travel Speed	1/3 HP	13.88 1,910	9.50 2,700	7.04 3,555	6.94 3,425	4.75 4,790	3.47 5,610	2.38 6,000	1.76 6,000	1,335	19.00 1,890	14.08 2,485	9.50 3,350	6.94 3,925	4.75 5,415	3.52
Lifting		-		<u> </u>	-			0,000	0,000		-	-				6,000
Capacity, Lbs.	1/2 HP 3/4 HP	2,920 4,430	4,095 6,000	5,380	5,235 6,000	6,000	6,000			2,045 3,100	2,865 4,340	3,765	5,085 6,000	6,000	6,000	
	-	4,430	,		0,000					3,100	,					
5 Ton Mod			CD			CD125		CD245			DCD65		D	CD125		D245
Reducer Ratio		5		10		10		10		5		10		10		10
Travel Speed		20.8		10.5		5.28		2.64		27.75		14.08	_	7.04		.52
Lifting	1 HP	3,76		6,98)	10,000		10,000		3,320		6,170	1	0,000	10.	,000
Capacity, Lbs.	1 1/2 HP	5,75								5,085						
LUS.	2 HP	7,78	50							6,845						
10 Ton Mod	lel Number		CD8	10			CD2410)			DCD810			DO	CD2410	ı
Reducer Ratio)	5		10		5		10		5		10		5		10
Travel Speed		20.8	81	10.5		6.94		3.52		27.76		14.09		9.25	4	.69
	1 HP	3,68		7,07)	9,000		16,760		3,150		6,045		7,700	14	,330
Lifting	1 1/2 HP	5,76	60			14,090				4,925			1	2,050		
Capacity,	2 HP	7,840				19,165				6,700			1	6,390		
Lbs.	3 HP	12,150		20,00	0	20,000		20,000		10,385		19,450	2	20,000		,000
	5 HP															
15 Ton Mod	lel Number		CD8	15			CD2415	i			DCD815			DO	CD2415	
Reducer Ratio		5 10			5 10				5 10				5 10			
Travel Speed		20.8	81	10.5	6	6.94		3.52		27.76		14.09		9.25	4	.69
	1 HP	3,14		6,20		7,535		14,385		2,715		5,365	_	3,515		,440
Lifting	1 1/2 HP	5,03				12,085		,		4,350				0,450		,
Lifting Capacity,	2 HP	6,92				16,620				5,990				4,375		
Lbs.	3 HP	10,8		20,42	5	26,040		30,000		9,380		17,665		2,520	30	,000
	5 HP	18,515				30,000					16,010			0,000	23,332	
OO Ton Mad				00		,		,		,	DODOOO			,	3D0400	
20 Ton Mod		-	CD8			-	CD2420				DCD820	10			CD2420	10
	er Ratio	5		10		5		10		5		10		5		10
iravei Sp	peed IPM	20.8		10.5		6.94		3.52		27.76		14.09		9.25		.69
	1 HP	2,71		5,570	J	6,520		12,920		2,265		4,645		5,435	10	,765
Lifting	1 1/2 HP	4,47				10,745				3,730				3,960		
Capacity, Lbs.	2 HP	6,23		10.70	Г	14,965		40.000		5,195		15.000		2,475		000
LDO.	3 HP	9,88		18,78	5	23,715		40,000		8,235		15,660		9,770	36	,300
	5 HP	17,0	100			40,000				14,175			3	4,020		
25 Ton Mod	lel Number		CD11				CD3225				DCD1125				CD3225	
Reducer Ratio		5		10		5		10		5		10		5		10
Travel Speed		20.7		10.5		6.93		3.52		35.12		17.82		11.71	_	.94
	3 HP	9,08		17,16		20,390		36,800		7,385		14,000		6,640		,040
Lifting	5 HP	15,7		29,42		35,390		50,000		12,815		24,010		8,885	50	,000
Capacity, Lbs.	7 1/2 HP	23,9		45,75		50,000				19,530		37,340		4,010		
LUO.	10 HP	32,6		50,00	0					26,625		50,000	5	0,000		
	15 HP	49,4	10							40,325						
30 Ton Mod	lel Number		CD11	130			CD3230				DCD1130			DO	CD3230	
Reducer Ratio)	5		10		5		10		5		10		5		10
Travel Speed	IPM	20.8	82	10.5	7	6.94		3.52		35.12		17.82		11.71	5	.94
	3 HP	9,43	35	17,54	0	21,260		37,620		7,535		14,000	1	6,975	30	,040
	5 HP	16,1	00	29,81	5	36,280		60,000		12,885		23,810	2	8,970	51	,060
Lifting	3 111									10 420		36,870	1	2 700	00	,000
Lifting Capacity,	7 1/2 HP	24,3	35	46,17	0	54,840				19,430		30,070	4	3,790	DU,	,000
		24,3 33,0		46,17 60,00		54,840 60,000				26,385		49,300	_	9,460	00	,000

Important Note: DCD models may lower under load. Brake motors or external locking systems are recommended.

