



LINEAR MOTION



LUDE TRANSMISSION

LD Series Screw Jack

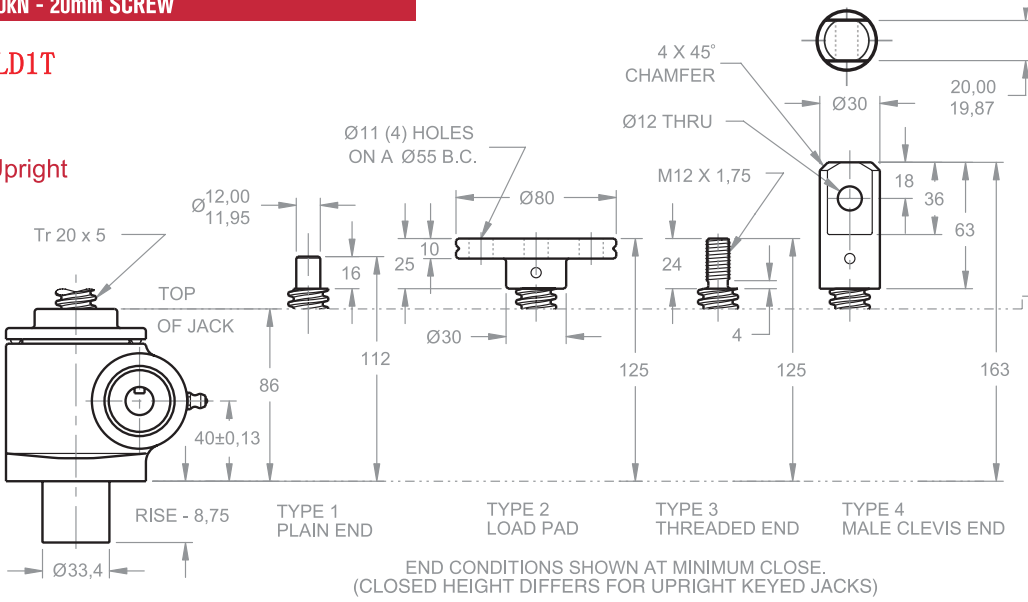


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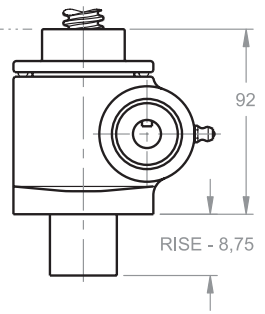
10kN - 20mm SCREW

LD1T

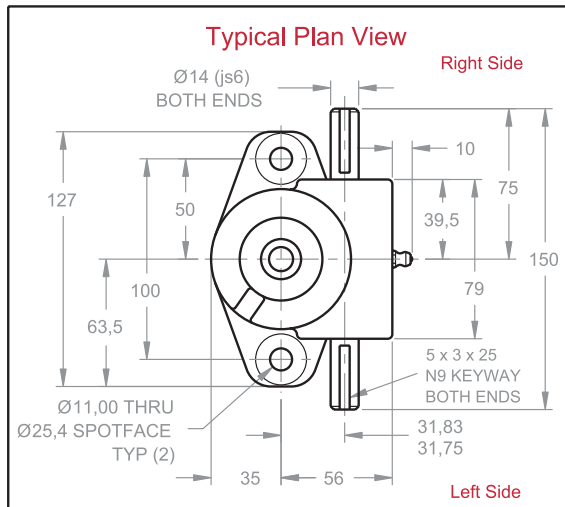
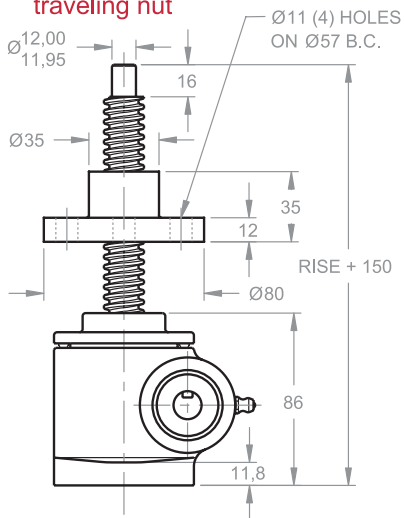
Upright



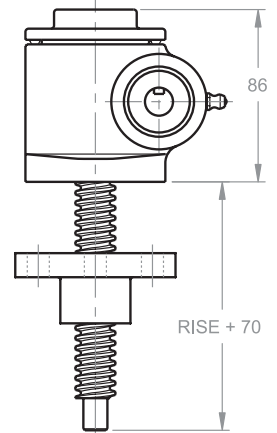
Upright keyed



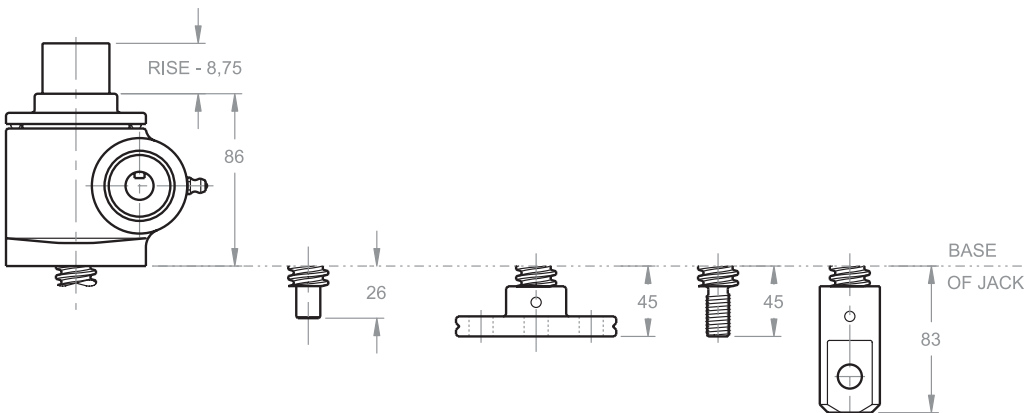
Upright traveling nut



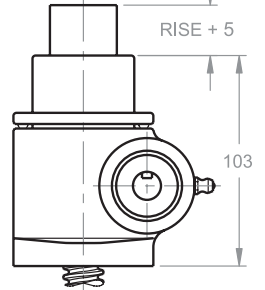
Inverted traveling nut



Inverted



Inverted keyed



Note: Drawings are artist's conception — not for certification; dimensions are subject to change without notice.



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Model	Capacity	Screw Diameter (mm)	Thread Pitch/Lead	Worm Gear Ratio	Worm Shaft Turns for 1mm Travel	Tare Torque (Nm)	Starting Torque (Nm)	Operating Torque (Nm)	Efficiency Rating % Approx.	Screw Torque (Nm)	Basic Jack Weight (Kg)	Screw Weight (Kg) per 25mm Travel
LD1T-P	10kN	20	5mm	5:1	1	0.33	.95W*	.70W* @ 500 RPM	22.7	2W*	2.7	0.14
LD1T-M				20:1	4		.41W*	.23W* @ 500 RPM	17.0			

*W: Load in kN.

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 a given 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.

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 contact Joyce/Dayton.