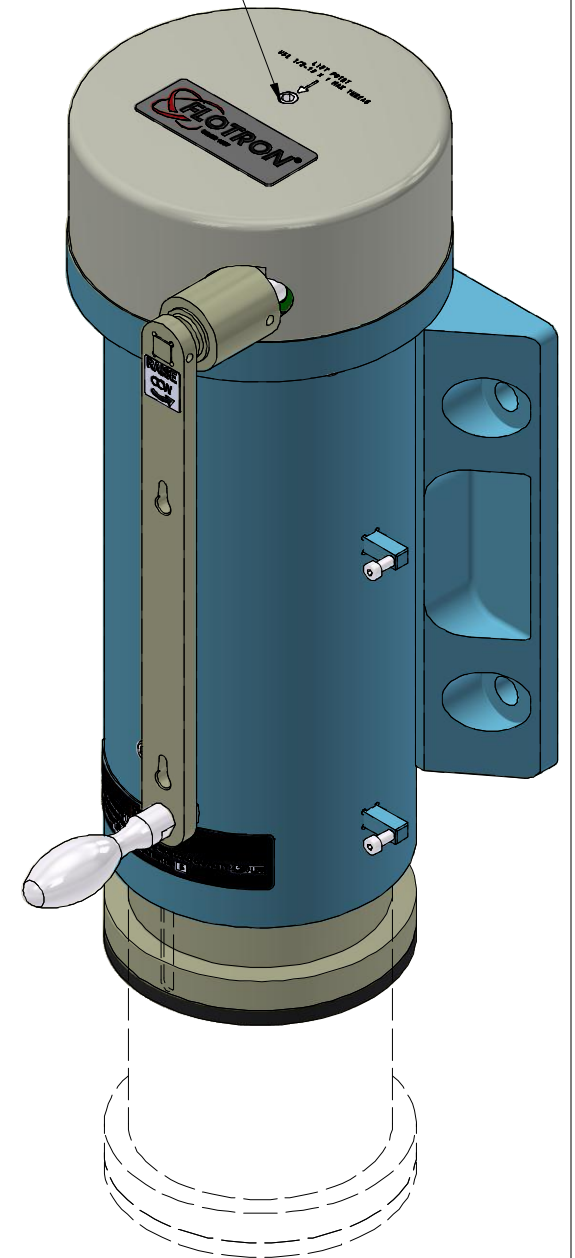


LIFT POINT. REMOVE SET SCREW
AND INSTALL 1/2-13 X 1" HOIST
RING OR LIFT EYE FOR JACK
INSTALLATION OR REMOVAL.



4X Ø.672 THRU PLATE
FOR 5/8 BOLTS. GR8
OR STRONGER FASTENERS
AND HIGH STRENGTH
WASHERS RECOMMENDED.

RUBBER PAD CAN ACCOMMODATE .12°
MAX FLOOR DEVIATION PER JACK AT MAX LOAD.

9. SEE SHEET 6 FOR HARDWARE AND LUBRICATION INFORMATION.
8. CONFIGURATION SHOWN ON THIS SHEET: LJ-8500-J2
7. SEE SHEET 3 FOR CASTER JACK (C2) AND CASTER MOUNTING PLATE (C1) OPTIONS.
6. IN LIEU OF USING THE PROVIDED HAND CRANK, A HAND DRILL CAN BE USED TO ROTATE THE INPUT CLUTCH/SHAFT. SINCE THIS JACK HAS A CLUTCH, THE USER DOES NOT NEED TO WORRY ABOUT DAMAGING JACK FROM OVER TORQUING.
5. JACK HANDLE ORIENTATION CAN BE ROTATED +/-90° FROM WHAT IS SHOWN ON THIS VIEW BY REMOVING FASTENERS FROM TOP CAP AND ROTATING 90°.
4. 50 TURNS OF HANDLE PER INCH LIFT OF JACK.
3. FINISHES: CLASS 1K (ISO 6)/CLEAN ROOM COMPATIBLE AND NO ZINC.
2. LUBRICANTS: SYNCO SUPER LUBE GREASE STANDARD ON SCREW THREADS.
KRYTOX LVP LUBRICANT ON SCREW WITH (L1) LUBRICANT OPTION.
BRAYCOTE 631RP LUBRICANT ON SCREW WITH (L2) LUBRICANT OPTION.
1. LJ-8500-J2 CAPACITY: SIMULTANEOUS 8,500 LBS [3,855 KG] VERTICAL LOAD & 4,250 LB [1,928 KG] SIDE LOAD WITH SFy=3 & SFu=5.

NOTES:

PROPRIETARY

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

LINEAR TOLERANCES:	ANGULAR TOLERANCES:
±.03	±.010
.XX	±.5°
	.XXX

DO NOT SCALE DRAWING
INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018
INTERPRET DWG. PER ASME Y14.100



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JACK, LEVELING & CASTER, 8,500/6,000 LB CAPACITY

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WT: 120.6 lbmass		Cad software: Inventor	SHEET 1 OF 6

HAND CRANK STOWAGE

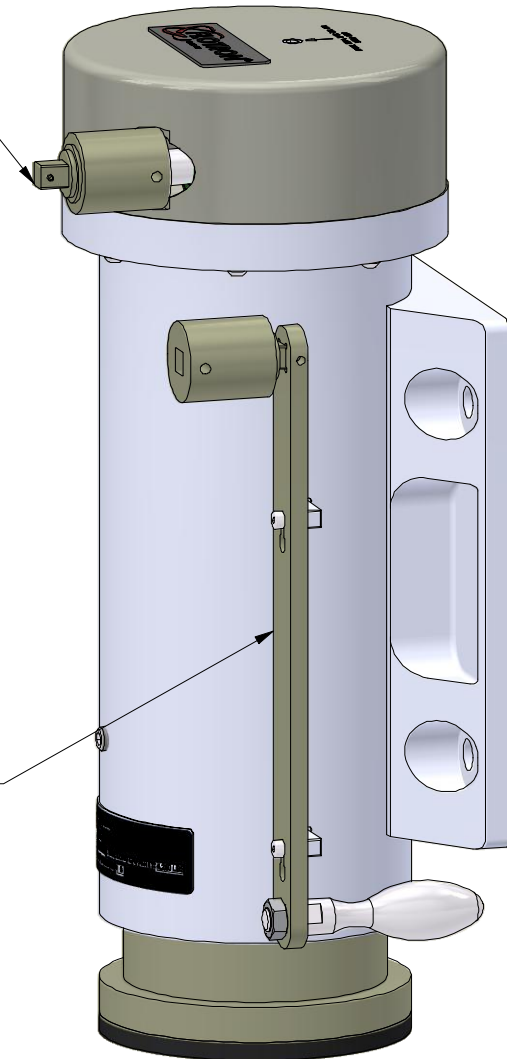
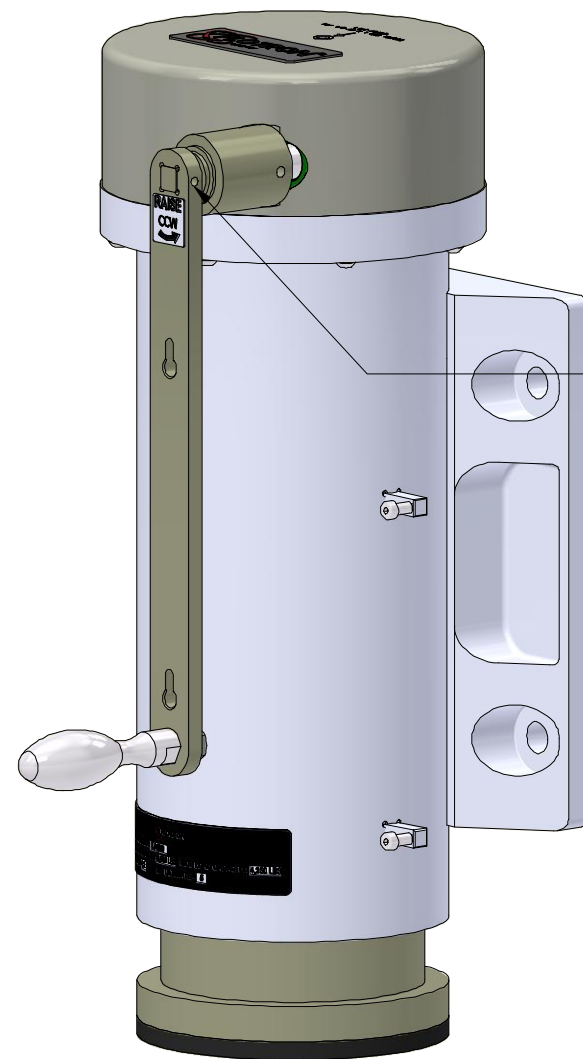
IT IS RECOMMENDED WHEN NOT RAISING OR LOWERING JACK TO STOW CRANK ASSEMBLY
SO HANDLE & CLUTCH DOES NOT ACCIDENTALLY GET ROTATED OR DAMAGED.
THIS IS ESPECIALLY IMPORTANT DURING TRANSPORTATION OF FIXTURE OF ANY KIND.

6

STANDARD 1/2" SQUARE SOCKET DRIVE.
CLUTCH LEFT ON FOR DRIVING WITH DRILL ONLY.
OTHERWISE STOW WITH HAND CRANK.
DO NOT USE IMPACT DRILL.

IF OPERATOR WANTS TO USE A HAND DRILL TO RAISE OR LOWER JACK,
HANDLE CAN BE REMOVED AND STOWED WITH CLUTCH STILL INSTALLED.
TO REMOVE HAND CRANK FROM CLUTCH. USE A SMALL DIAMETER PIN
(APPROX. Ø1/8") TO PUSH IN SPRING PIN ON CLUTCH SHAFT. HAND CRANK
CAN THEN BE SLID OFF AND STOWED.

CRANK ASSEMBLY SHOWN
IN STOWED POSITION



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SCALE

VARIES

SIZE

B

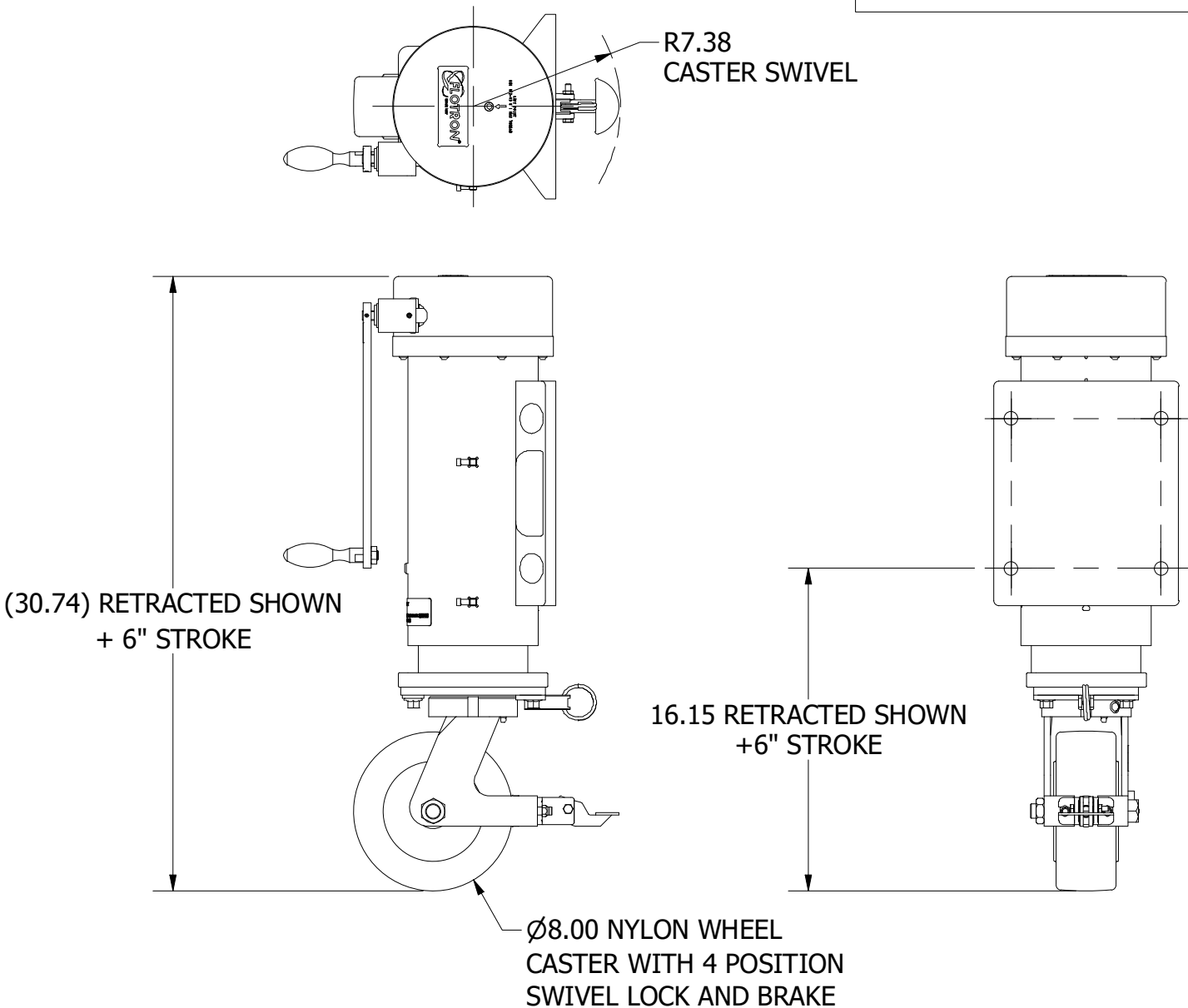
DRAWING NO.

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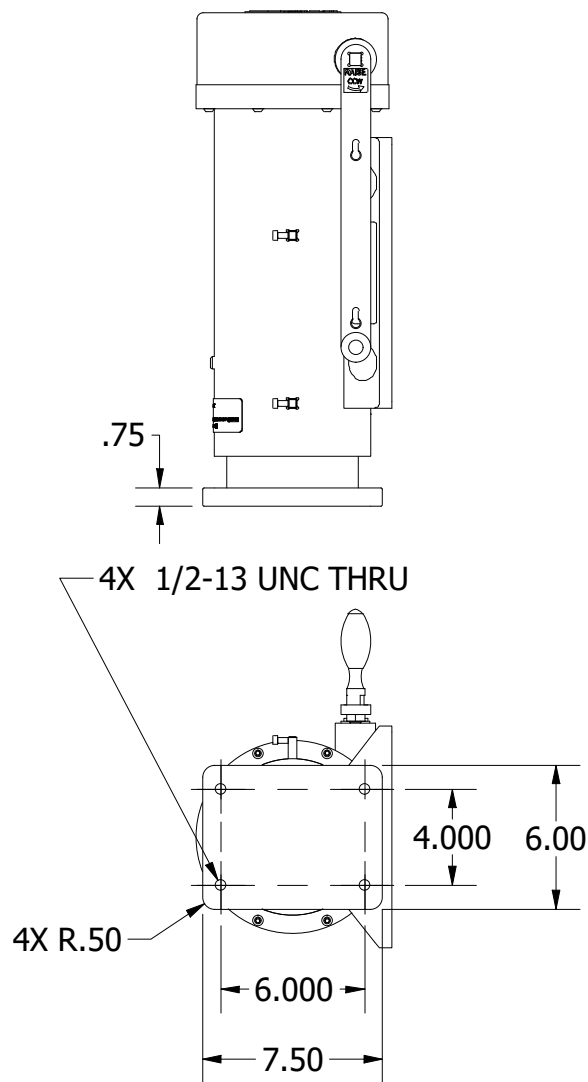
CJ-6000 CASTER JACK OPTIONS

C2 OPTION

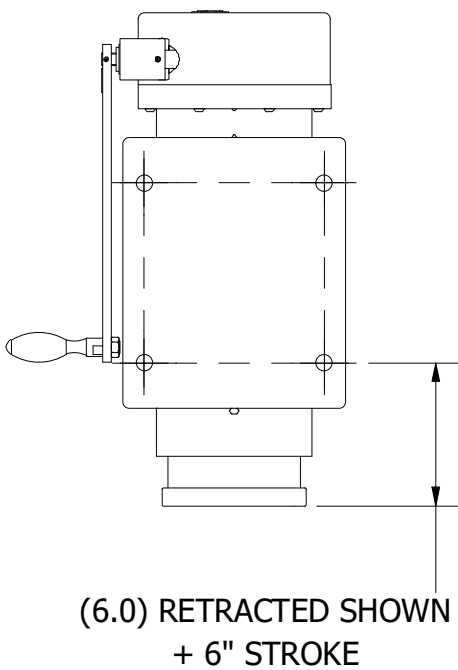


- NOTES:
1. CONFIGURATION SHOWN IN THIS SECTION: CJ-6000-C2-J2 (FOR STANDARD FINISH)
CJ-6000-C-C2-J2 (FOR "C" FINISH)
 2. WEIGHT OF CONFIGURATION SHOWN IN THIS SECTION: 138 LBS
 3. CASTER LUBRICANTS: SEE SHEET 7 FOR LUBRICATION INFORMATION
 4. CJ-6000-C2 CAPACITY: SIMULTANEOUS 6,000 LBS [2,721KG] VERTICAL LOAD & 3,000 LB [1,361 KG] SIDE LOAD ON CASTER WHEEL WITH SFy=3 & SFu=5.

C1 OPTION



- NOTES:
1. CONFIGURATION SHOWN IN THIS SECTION: CJ-6000-C1-J2 (FOR STANDARD FINISH)
CJ-6000-C-C1-J2 (FOR "C" FINISH)
 2. WEIGHT OF CONFIGURATION SHOWN IN THIS SECTION: 123 LBS
 3. CJ-6000-C2 CAPACITY: SIMULTANEOUS 6,000 LBS [2,721KG] VERTICAL LOAD & 3,000 LB [1,361 KG] SIDE LOAD ON CASTER WHEEL (NOT PROVIDED) WITH SFy=3 & SFu=5.



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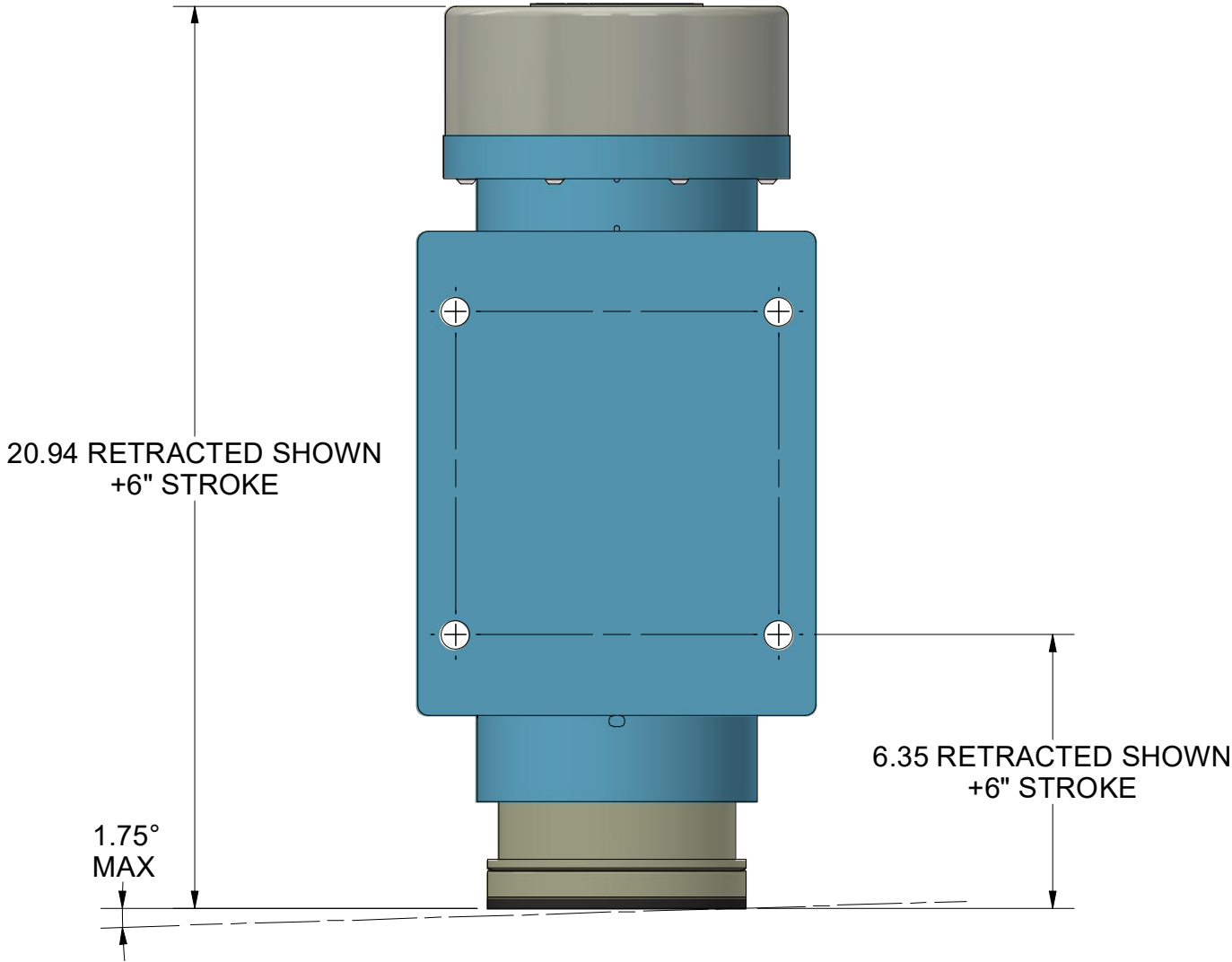
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F1 OPTION

LEVELING FOOT ON BOTTOM OF JACK RAM FOR SEVERELY UNEVEN FLOORS.
LEVELING FOOT ACCOMMODATES 1.75° FLOOR DEVIATION PER JACK.

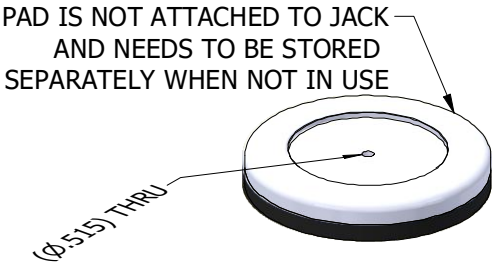
LJ-8500-F1-J2



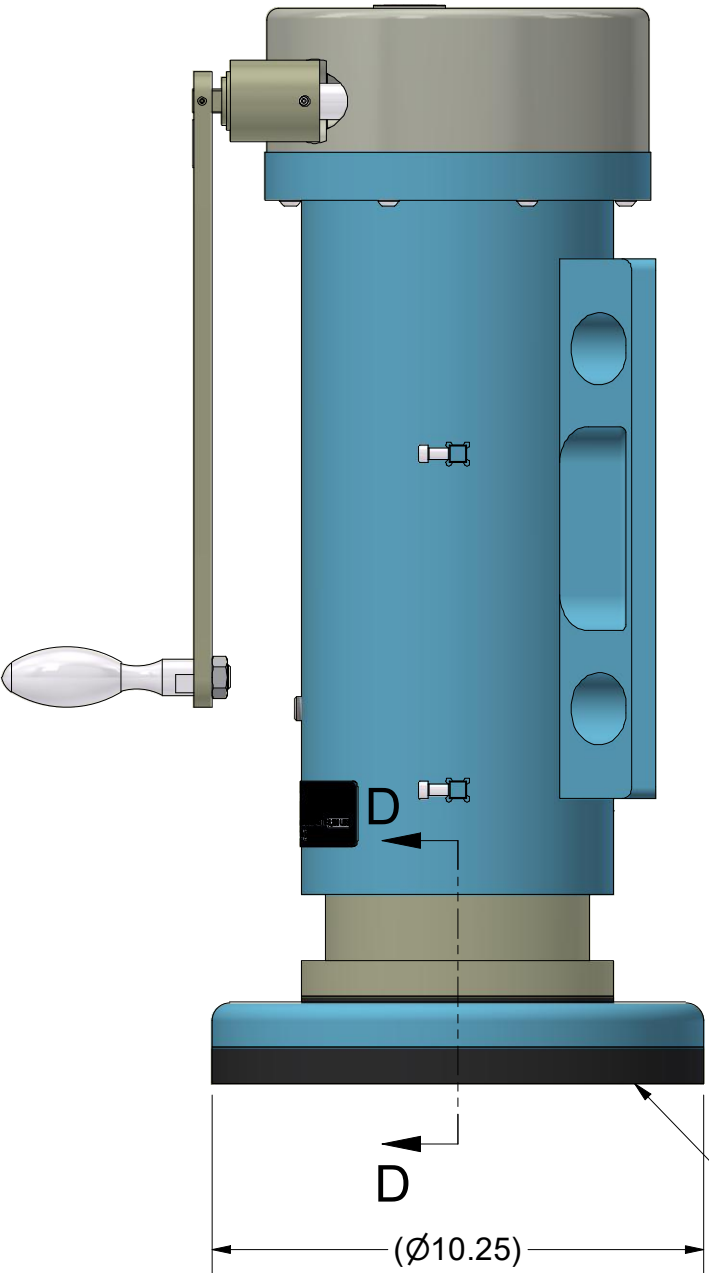
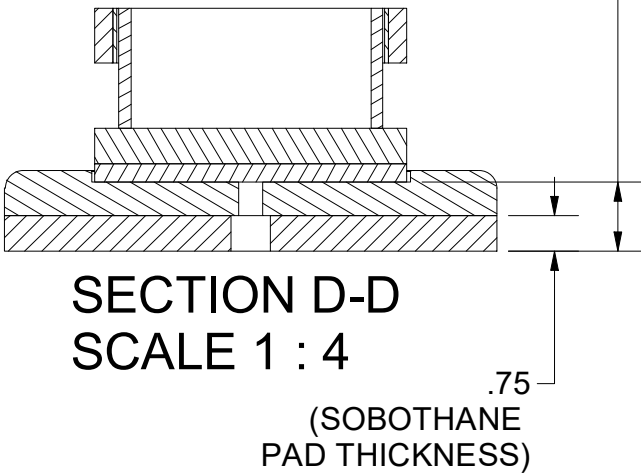
V OPTION

SORBOTHANE (VISCO-ELASTIC POLYMER) PAD INCLUDED TO PROTECT SENSITIVE ELECTRONIC FROM FLOOR VIBRATIONS.
PAD CAN ABSORB 85-98% OF FLOOR VIBRATIONS AT FREQUENCIES FROM 70 TO 30,000 HERTZ.
PAD WILL NOT ISOLATE FREQUENCIES LOWER THAN 40 HZ AND WILL HAVE A NEGATIVE IMPACT AT VERY LOW FREQUENCIES DUE TO NATURAL FREQUENCY OF PAD AROUND 21HZ.
SORBOTHANE WILL COMPRESS APPROXIMATELY .11" UNDER A 8,500 LB MAX LOAD (NOT INCLUDING COMPRESSION AND VIBRATION ABSORPTION OF STANDARD PAD ATTACHED TO JACK).
FOR INFORMATION OF FREQUENCY ABSORPTION AT A SPECIFIC WEIGHT AND FREQUENCY SEE LINK BELOW. SELECT ASSUMED DEFLECTION THAT MOST CLOSELY MATCHES ACTUAL DEFLECTION:
<https://www.sorbothane.com/technical-data/design-guide-calculators/vibration-calculator/>

LJ-8500-V-J2



1.44 HEIGHT ADDED BY OPTION
(NOT INCLUDING COMPRESSION OF PAD)

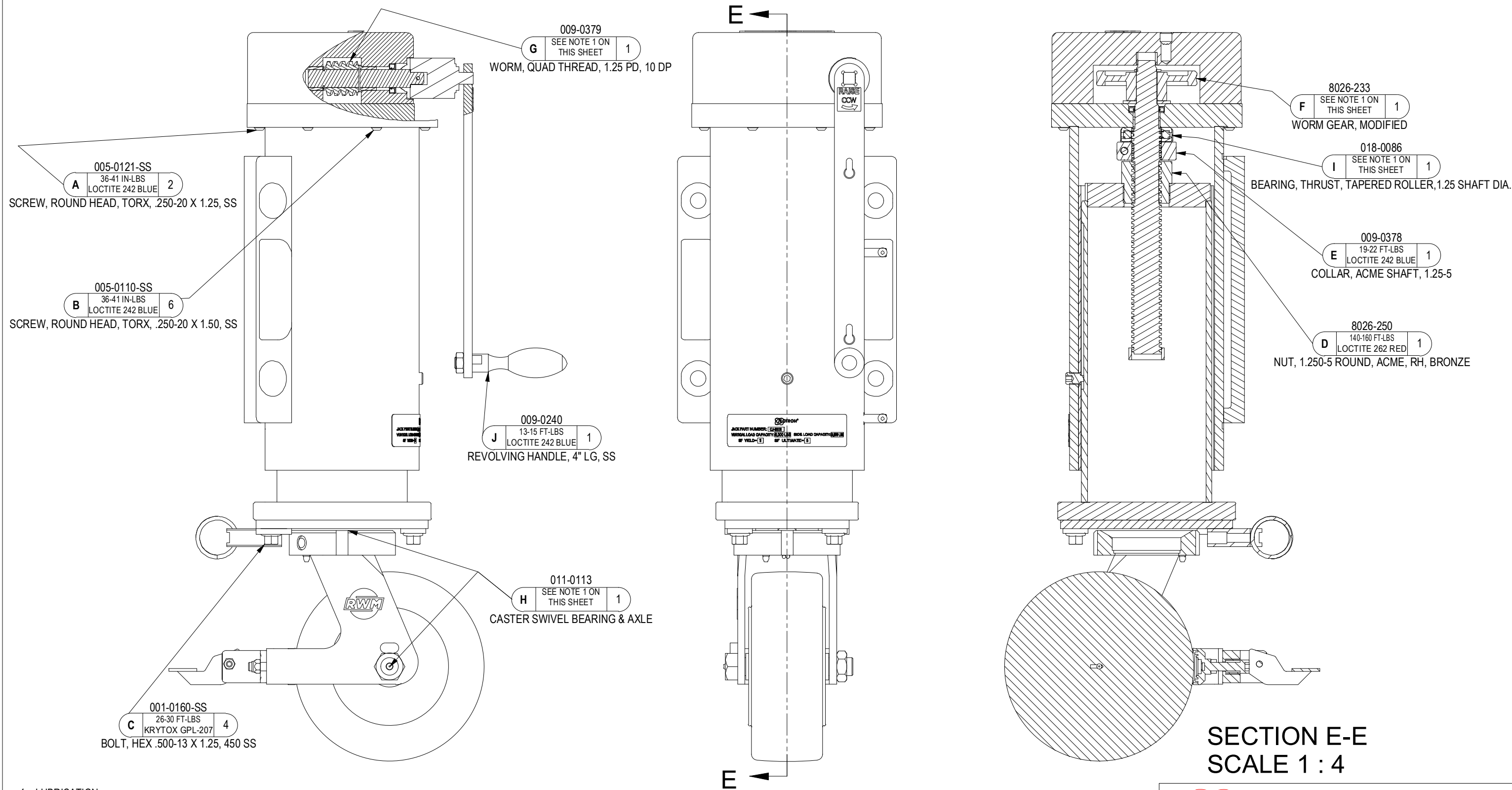


40 DUROMETER PAD COATED IN POLYURETHANE FOR DURABILITY AND CLEANABILITY. PAD CAN ACCOMODATE .37° MAX FLOOR DEVIATION PER JACK (INCLUDING DEVIATION ALLOWANCE OF STANDARD PAD ATTACHED TO JACK) AT MAX RATED LOAD & .50° AT 75% OF MAX RATED LOAD. IF REQ'D, CLEAN RUBBER PAD WITH A 50% MIXTURE OF WHITE VINEGAR AND WATER (DO NOT CLEAN WITH ISOPROPYL ALCOHOL).

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BOLT TORQUE AND LUBRICATION INFORMATION



1. LUBRICATION:
(BLANK) - LUBRICATE ACME SCREW WITH SYNCO SUPER LUBE GREASE (MMC #1353K1).
LUBRICATE THRUST BEARING, CASTER SWIVEL BEARING & AXLE WITH GENERAL PURPOSE BEARING GREASE.
LUBRICATE WORM GEAR AND PINION WITH KRYTOX GPL 217 BY PAINTING LUBRICANT ON WORM GEAR AND PINION.
(L1) - LUBRICATE THRUST BEARING, ACME SCREW, CASTER SWIVEL BEARING & AXLE WITH KRYTOX LVP
LUBRICATE WORM GEAR AND PINION WITH KRYTOX GPL 217 BY PAINTING LUBRICANT ON WORM GEAR AND PINION.
(L2) - LUBRICATE THRUST BEARING, ACME SCREW, CASTER SWIVEL BEARING & AXLE WITH BRAYCOTE 631RP
LUBRICATE WORM GEAR AND PINION WITH KRYTOX GPL 217 BY PAINTING LUBRICANT ON WORM GEAR AND PINION.

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Model - Capacity
Finishes
Lubricants
Casters
Leveling Foot
Passive Vibration Isolator Pad
Hand Crank Orientation

Model - Capacity:

LJ-3750 - Leveling Jack - 3,750 lb (1,701 kg) capacity
LJ-4500 - Leveling Jack - 4,500 lb (2,041 kg) capacity
LJ-8500 - Leveling Jack - 8,500 lb (3,855 kg) capacity
CJ-2500 - Caster Jack – 2,500 lb (1,134 kg) capacity
CJ-3250 - Caster Jack – 3,250 lb (1,474 kg) capacity
CJ-6000 - Caster Jack – 6,000 lb (2,721 kg) capacity

Finishes:

(blank) - Standard finishes – Exposed jack components nickel plated. Stainless steel fasteners.
C - - - - Clean room finishes - Same as standard finish with Krytox LVP lubricate

Lubricants:

(blank) - Standard lubricant – Jack screw lubricated with Synco Super Lube grease. General purpose bearing grease in casters (if applicable) and thrust bearing. See proposal drawing for gear lubricants (varies by model).
L1 - - - - Jack screw, thrust bearing, and caster lubricated with Krytox LVP (included with C option)
L2 - - - - Jack screw, thrust bearing, and caster lubricated with Braycote 631RP

Casters:

(blank) – No casters for leveling jack (LJ models)
C1 - - - - Standard mounting plate on bottom of jack for caster (No caster provided - see dwg. for dim's)
C2 - - - - Standard nylon caster with brake and swivel lock. See relevant jack drawing for more dimensional detail and information.

Leveling Foot:

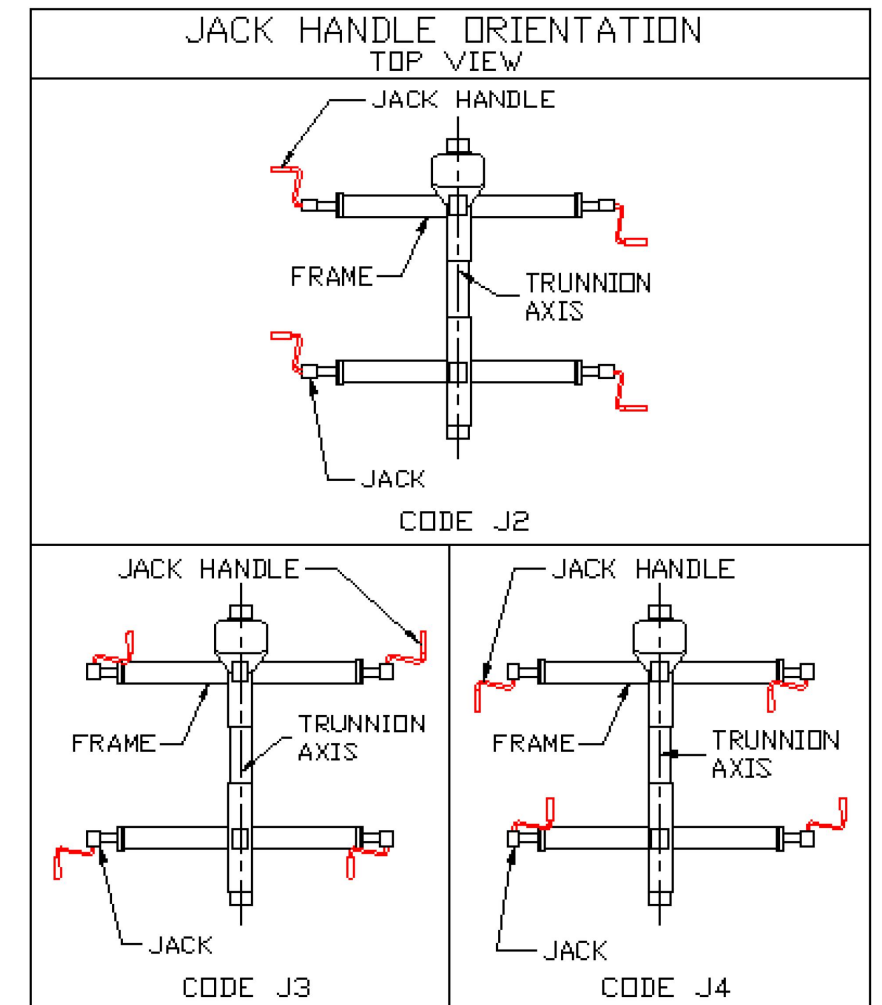
(blank) – No leveling foot – Thin rubber pad on bottom of jack ram only.
F - - - - - Leveling foot on bottom of jack ram for severely uneven floors. Leveling foot accommodates 1.75° floor deviation per jack. Optional for LJ-3750 & LJ-4500 models only (comes standard with LJ-8500).

Passive Vibration Isolator Pad:

(blank) – No Vibration Isolator
V - - - - - Passive vibration isolator pad included to absorb 50%-98% of floor vibrations at frequencies from 70 to 30,000 hertz (depending on load and frequency). Pad is placed under jack. See proposal drawing for more information. Optional for LJ models only.

Hand Crank Orientation:

J2 - - - - See jack handle orientation image.
J3 - - - - See jack handle orientation image.
J4 - - - - See jack handle orientation image.
(Note: orientation can be changed on-site by technician. See options section for more information.)



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