

9. SEE SHEET 6 FOR HARDWARE AND LUBRICATION INFORMATION.
8. CONFIGURATION SHOWN ON THIS SHEET: LJ-C-4500-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°. "J2" HANDLE ORIENTATION SHOWN.
4. 20 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 AND GEAR TEETH.
KRYTOX LVP LUBRICANT ON SCREW THREADS AND GEAR TEETH WITH (L1) LUBRICANT OPTION.
BRAYCOTE 631RP LUBRICANT ON SCREW THREADS AND GEAR TEETH WITH (L2) LUBRICANT OPTION.
1. LEVELING JACK CAPACITY: SIMULTANEOUS 4,500 LBS [2,041 KG] VERTICAL LOAD & 2,250 LB [1,020 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	.XXX

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



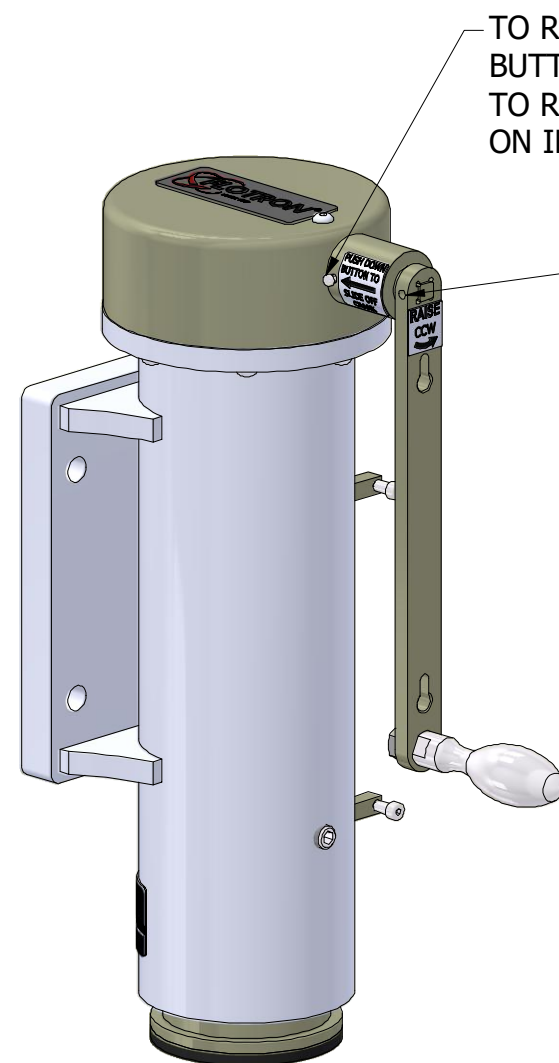
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JACK, LEVELING & CASTER, CJ-3250 & LJ-4500

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WT: 61.6 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.

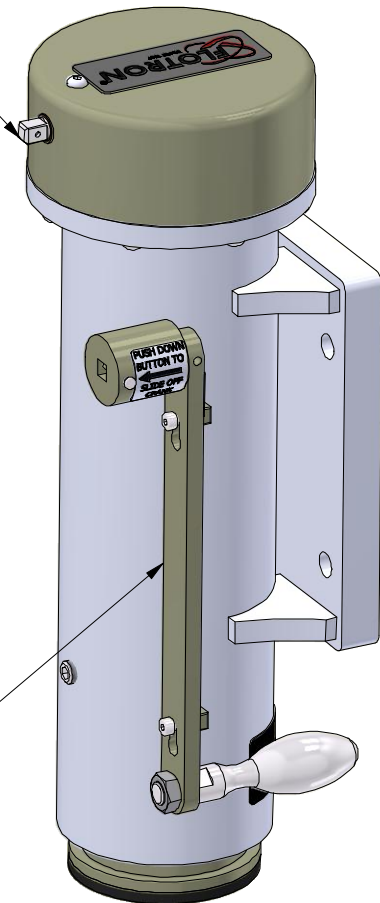


TO REMOVE CRANK AND CLUTCH, PUSH AND HOLD DOWN
BUTTON AND SLIDE OFF CRANK FROM INPUT SHAFT.
TO RE-INSTALL, MANUALLY PUSH DOWN SPRING PIN
ON INPUT SHAFT WITH FINGER AND SLIDE ON CLUTCH.

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 HANDLE FROM CLUTCH. USE A SMALL DIAMETER PIN
(APPROX. Ø1/8") TO PUSH IN SPRING PIN ON CLUTCH SHAFT. HANDLE
CAN THEN BE SLID OFF AND STOWED.

6
STANDARD 3/8"
SQUARE SOCKET
DRIVE

CRANK ASSEMBLY SHOWN
IN STOWED POSITION



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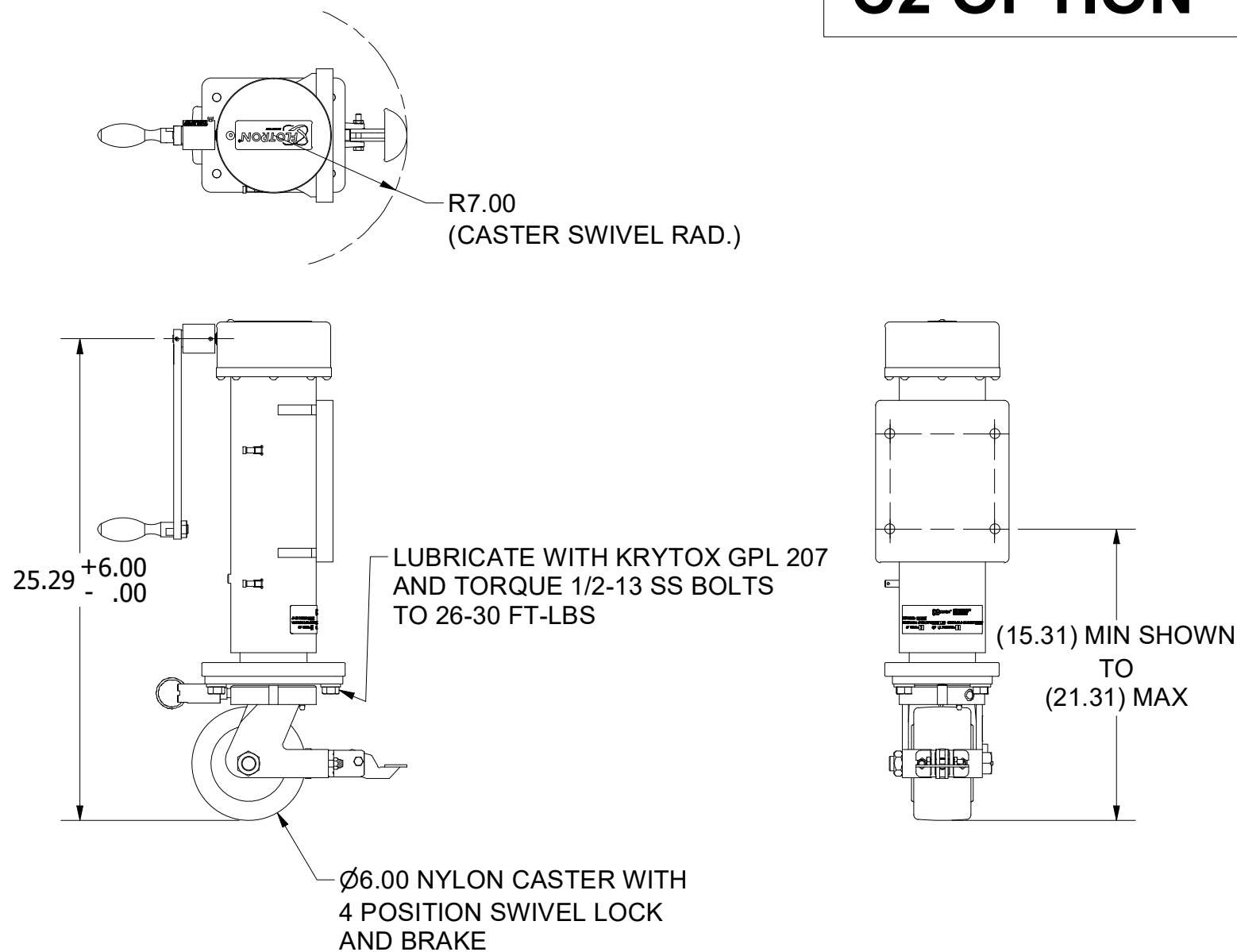


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CJ-3250 CASTER JACK OPTIONS

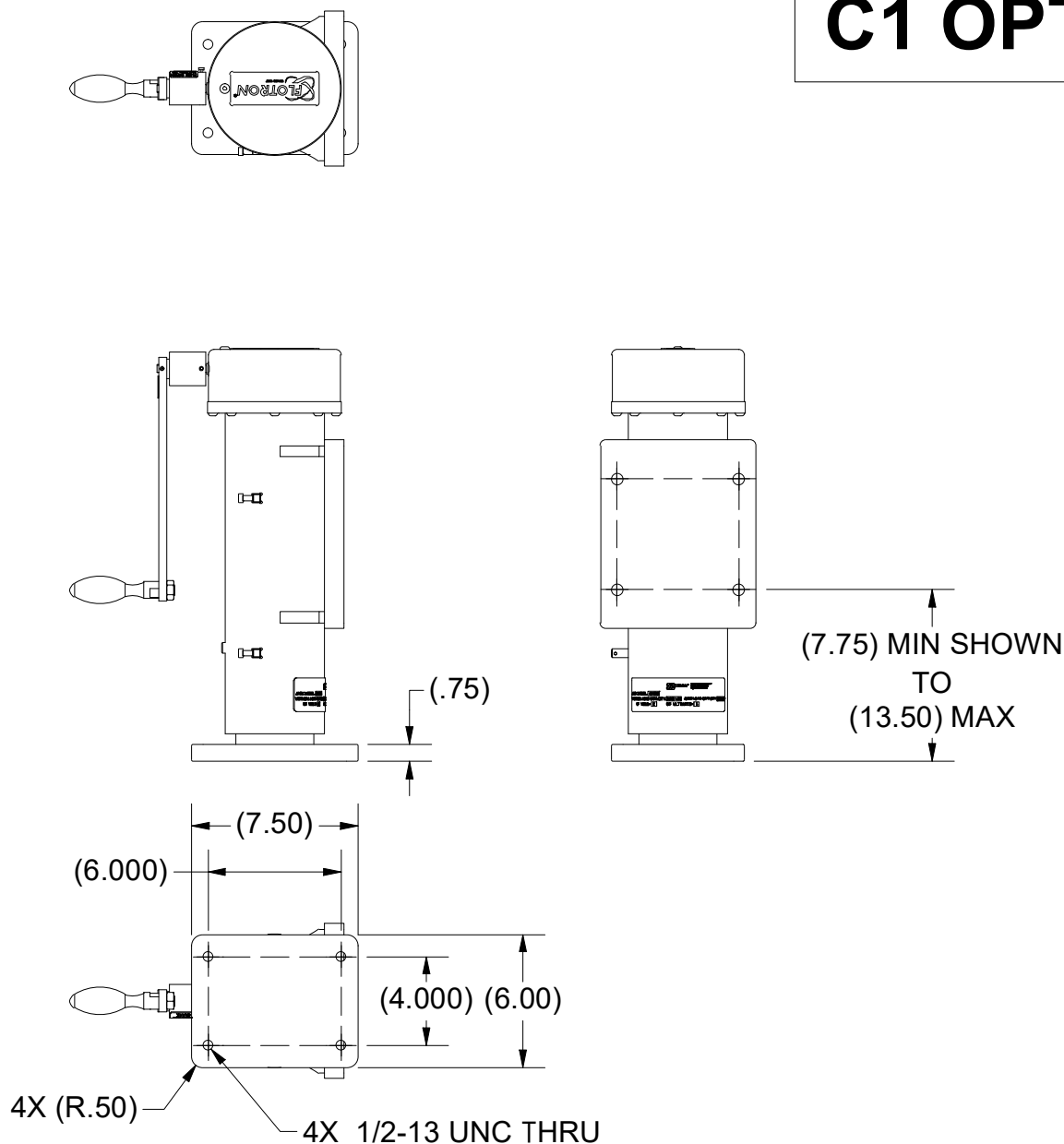
C2 OPTION



4. CJ-3250-C2 CAPACITY: SIMULTANEOUS 3,250 LBS [1,474 KG] VERTICAL LOAD & 1,625 LB [737 KG] SIDE LOAD ON CASTER WHEEL WITH SFy=3 & SFu=5.
3. LUBRICATION:
(BLANK) - SCREW AND GEARS LUBRICATED WITH SYNCO SUPER LUBE GREASE (MMC #1353K1).
CASTER SWIVEL BEARING & AXLE LUBRICATED WITH GENERAL PURPOSE BEARING GREASE.
(L1) - SCREW, GEARS, CASTER SWIVEL BEARING & AXLE LUBRICATED WITH KRYTOX LVP
(L2) - SCREW, GEARS, CASTER SWIVEL BEARING & AXLE LUBRICATED WITH BRAYCOTE 631RP
2. WEIGHT OF CONFIGURATION SHOWN IN THIS SECTION: 87 LBS
1. CONFIGURATION SHOWN IN THIS SECTION: CJ-3250-C2-J2 (FOR STANDARD FINISH)
CJ-3250-C-C2-J2 (FOR "C" FINISH)

NOTES:

C1 OPTION



3. CJ-3250-C1 CAPACITY: SIMULTANEOUS 3,250 LBS [1,474 KG] VERTICAL LOAD & 1,625 LB [737 KG] SIDE LOAD ON CASTER WHEEL WITH SFy=3 & SFu=5.
2. WEIGHT OF CONFIGURATION SHOWN IN THIS SECTION: 72 LBS
1. CONFIGURATION SHOWN IN THIS SECTION: CJ-3250-C1-J2 (FOR STANDARD FINISH)
CJ-3250-C1-J2 (FOR "C" FINISH)

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SCALE

VARIES

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DRAWING NO.

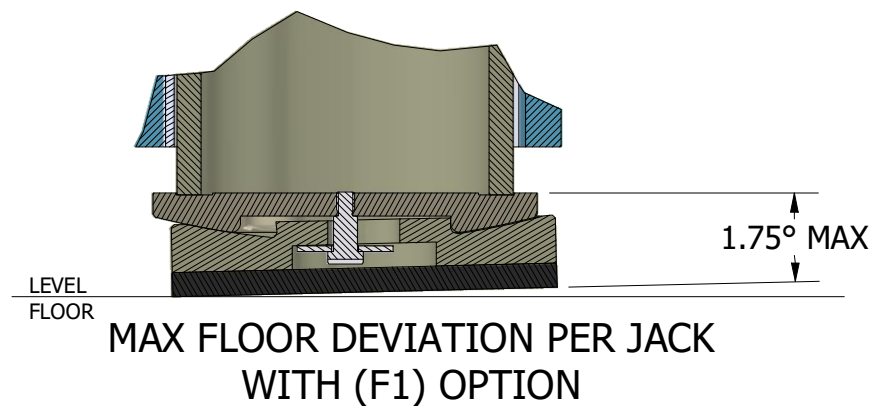
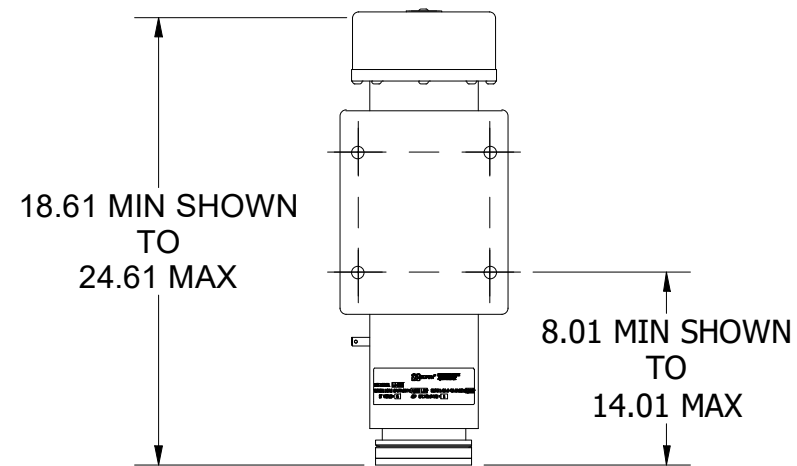
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F1 OPTION

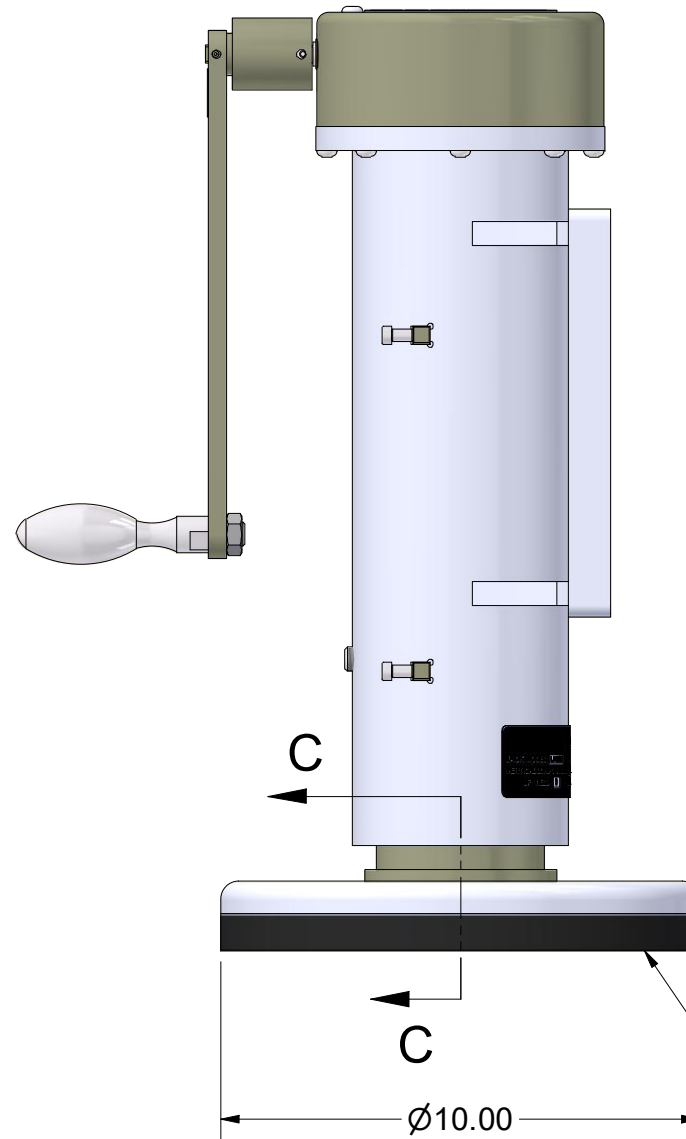
LEVELING FOOT ON BOTTOM OF JACK RAM FOR SEVERELY UNEVEN FLOORS.
LEVELING FOOT ACCOMMODATES 1.75° FLOOR DEVIATION PER JACK.
WHEN INDEXING JACK DOWN TO FLOOR, MAKE SURE BOTTOM OF JACK PAD IS
PARALLEL TO FLOOR. ADJUST ANGLE OF PAD WITH HAND AS NECESSARY
TO MAKE PARALLEL.

LJ-4500-F1-J2

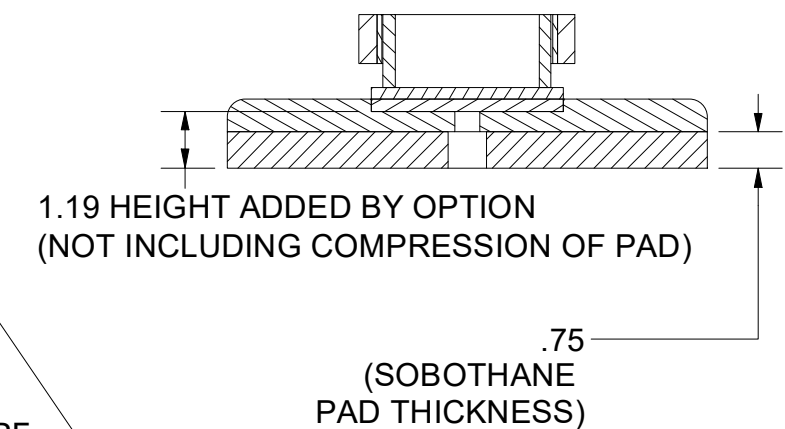
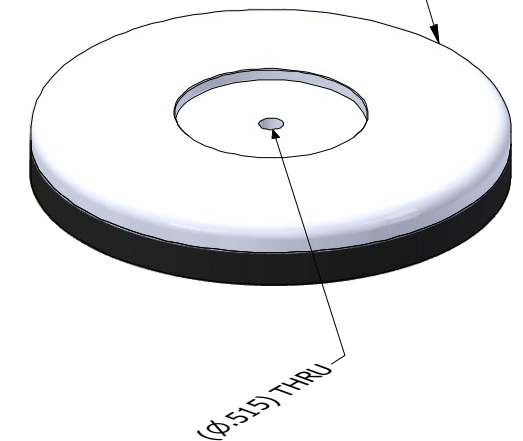


V OPTION

SORBOTHANE (VISCO-ELASTIC POLYMER) PAD INCLUDED TO PROTECT
SENSITIVE ELECTRONIC FROM FLOOR VIBRATIONS.
PAD CAN ABSORB 75% OF FLOOR VIBRATIONS AT FREQUENCIES FROM 10 TO 30,000 HERTZ.
SORBOTHANE WILL COMPRESS APPROXIMATELY .19" UNDER A 4,500 LB MAX LOAD.
WITH PAD, JACK CAN ACCOMMODATE 1.5° FLOOR DEVIATION PER JACK.



PAD IS NOT ATTACHED TO JACK
AND NEEDS TO BE STORED
SEPARATELY WHEN NOT IN USE



IF REQ'D, CLEAN RUBBER PAD WITH A 50% MIXTURE
OF WHITE VINEGAR AND WATER
(DO NOT CLEAN WITH ISOPROPYL ALCOHOL)

SECTION C-C

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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:

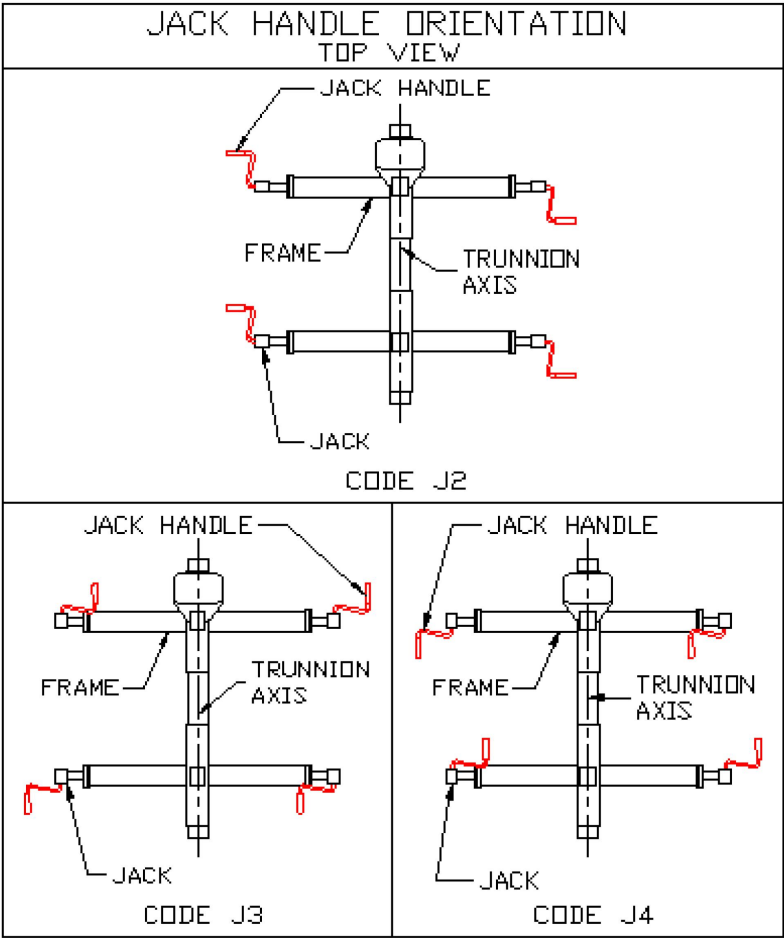
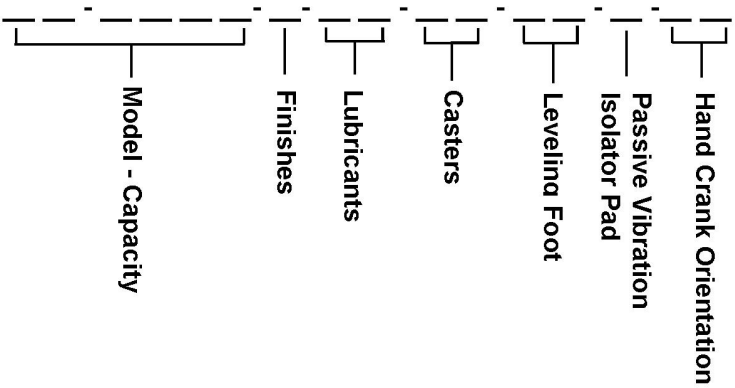
- (blank)** – No leveling foot – Thin rubber pad on bottom of jack ram only.
- F - - - - -** Leveling foot on bottom of jack ram for severely uneven floors. Leveling foot accommodates 1.75° floor deviation per jack. Optional for LJ-3750 & LJ-4500 models only (comes standard with LJ-8500).

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:

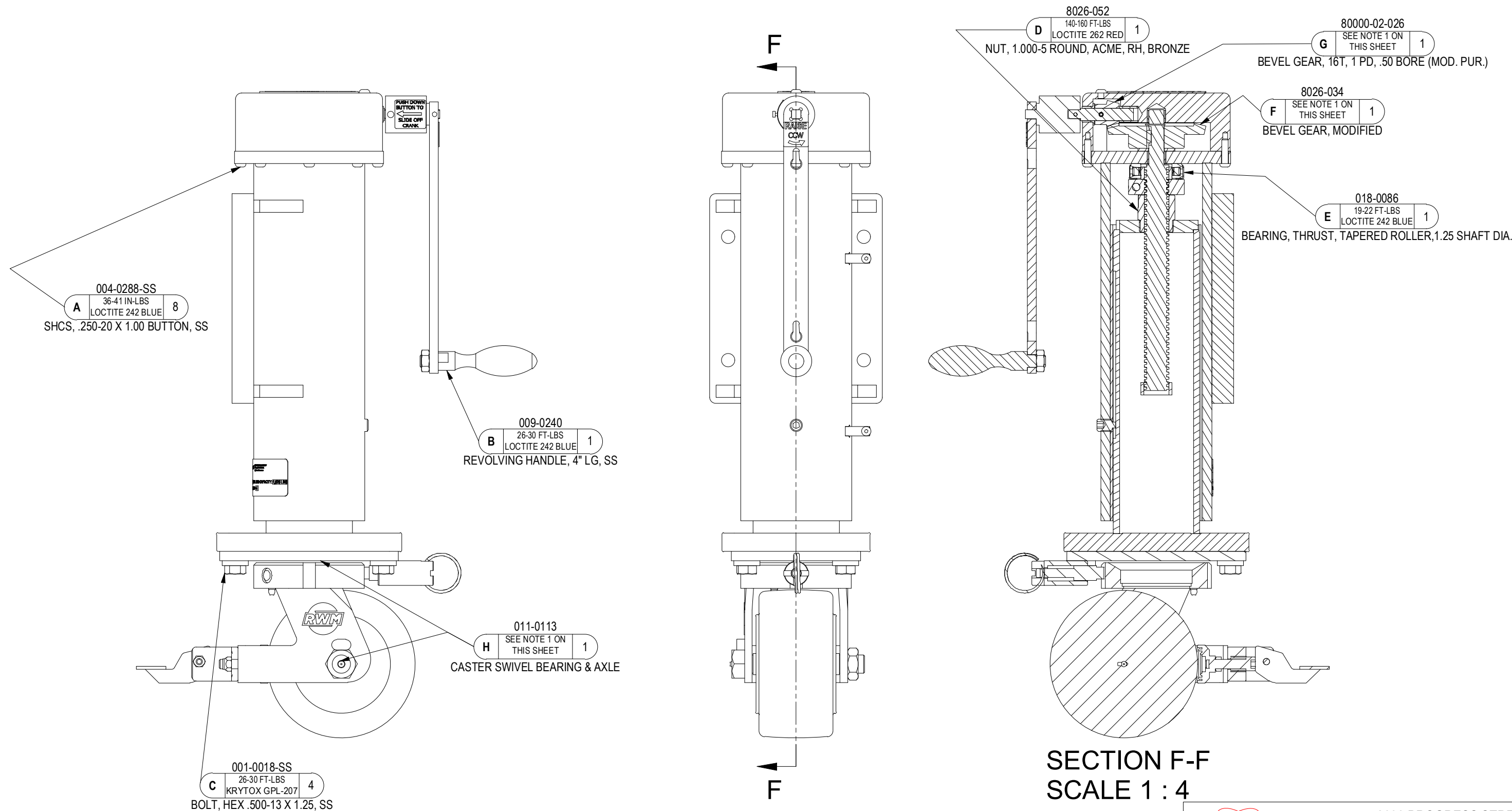
- J2 - - - -** See jack handle orientation image.
- J3 - - - -** See jack handle orientation image.
- J4 - - - -** See jack handle orientation image.
(Note: orientation can be changed on-site by technician. See options section for more information.)



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BOLT TORQUE AND LUBRICATION INFORMATION



1. LUBRICATION:
(BLANK) - LUBRICATE SCREW AND GEARS, WITH SYNCO SUPER LUBE GREASE (MMC #1353K1).
LUBRICATE CASTER SWIVEL BEARING & AXLE WITH GENERAL PURPOSE BEARING GREASE.
(L1) - LUBRICATE SCREW, GEARS, CASTER SWIVEL BEARING & AXLE WITH KRYTOX LVP
(L2) - LUBRICATE SCREW, GEARS, CASTER SWIVEL BEARING & AXLE WITH BRAYCOTE 631RP

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