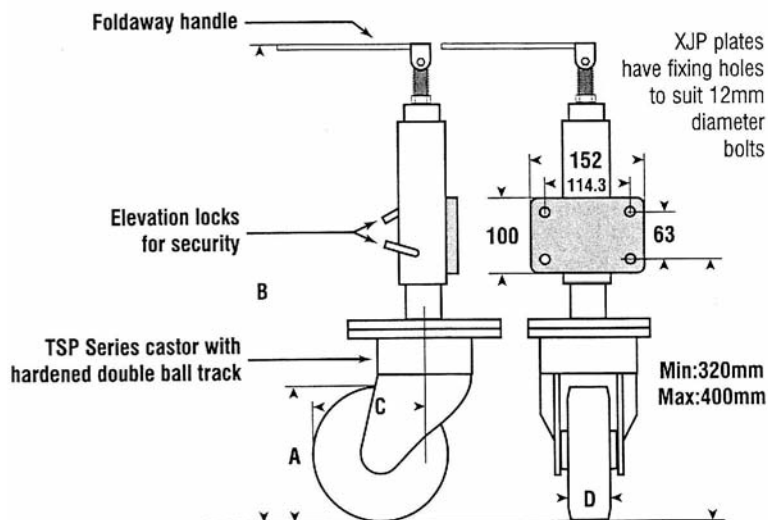


**JACKING CASTER**

- Easy
- Accurate
- Vertical
- Adjustment

Wheels:
Vulkollan™ Tread
 or
Nylacron™ (NY/MD)



25.4 mm	=	1"
63 mm	=	2-1/2 "
100 mm	=	4 "
114.3 mm	=	4-1/2 "
152 mm	=	6 "
320 mm	=	12.60"
400 mm	=	15.75"

Diameter (mm / in)	OAH (mm / in)	Swivel Radius (mm / in)	Tread Width (mm / in)	Wheel Type	Capacity (lb)	Swivel Part Number
200 / 8	635 / 25	172 / 6-3/4	50 / 2	Rubber / Cast Iron Core (RY/CA)	1180	XPJ/RY/CA-200/50/PB-S
200 / 8	635 / 25	172 / 6-3/4	45 / 1-3/4	Vulkollan™ / Cast Iron Core (VU/CA)	2200	XPJ/VU/CA-200/45/PB-S
200 / 8	635 / 25	172 / 6-3/4	45 / 1-3/4	Vulkollan™ (VU)	2200	XPJ/VU-200/45/PB-S
200 / 8	635 / 25	172 / 6-3/4	45 / 1-3/4	Nylacron™ (NY/MD)	2200	XPJ/NY/MD-200/45/PB-S
200 / 8	635 / 25	172 / 6-3/4	45 / 1-3/4	Nylacron™ Monocast (NY/MC)	2200	XPJ/NY/MC-200/45/PB-S

“Four-in-One” CasterJacks Series 31008

1. Lift 2. Lower 3. Swivel 4. Roll

All 31008 series casterjacks can be furnished with or without the casters. Special care must be taken when selecting your caster requirement to make certain you do not exceed the maximum allowable caster size specified for each individual casterjack assembly. Usable size load capability is a factor of the rated load, overall height and the swivel offset of the caster assembly selected. **Kingpinless casters with Nylacron™ wheels are recommended for all casterjacks. For application assistance, contact Acorn™.**

Custom Caster Jacks Available.

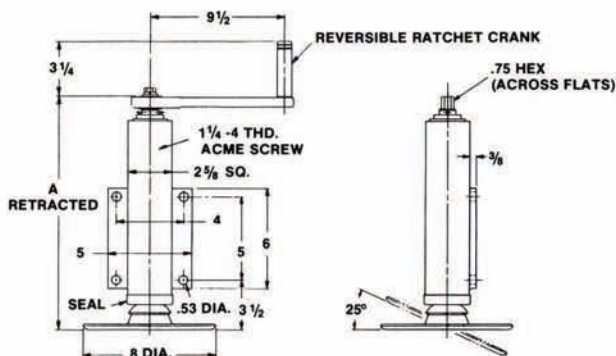
Consult Acorn™ for more information and specifications.



Jack without
Wheels



Jack with
Nylacron™ Wheel



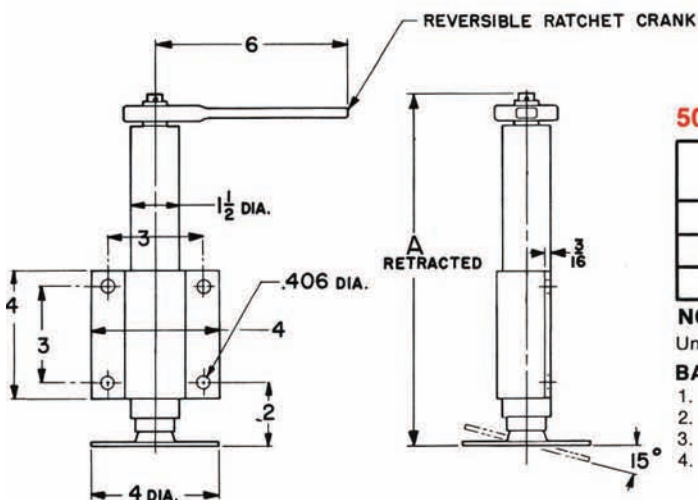
1800 LBS. CAPACITY — RIGID MOUNT

SAGINAW PART NO.	STROKE	A	*SIDE LOAD LB.	WGT.
31050-6	6	16	1200	18
31050-12	12	22	700	25
31050-18	18	28	500	32

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at mounting point of jack side plate to frame member.

BASIC DATA:

1. 4 revs. input for 1 inch of stroke.
2. 1,800 lb. maximum operating load, compression.
3. 4,500 lb. maximum static compression to yield.
4. Approx. 240 inch lb. torque input at maximum operating load.
5. Furnished with 8 inch crank as shown.



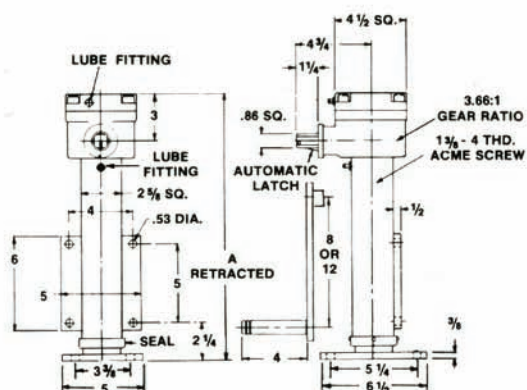
500 LBS. CAPACITY — RIGID MOUNT

SAGINAW PART NO.	STROKE	A	*SIDE LOAD LB.	WGT.
31060-3	3	10	800	5
31060-6	6	13	450	7
31060-9	9	16	300	9

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at mounting point of jack side plate to frame member.

BASIC DATA:

1. 6 revs. input for 1 inch of stroke.
2. 500 lb. maximum operating load, compression.
3. 4,000 lb. maximum static compression to yield.
4. Approx. 80 inch lb. torque input at maximum operating load.

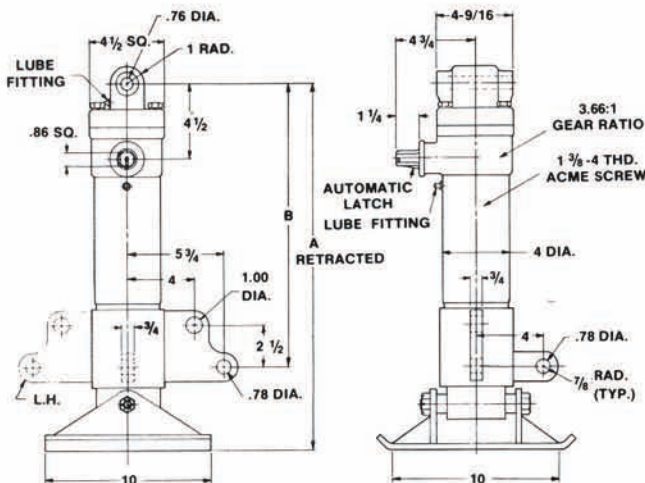


31000 SERIES JACKS

Seven basic models that meet most every lifting requirement up to 10,000 pounds.

FEATURES:

1. **VERSATILE** ... jacks can operate vertically or horizontally to raise, lower or push your load. Units requiring tension load capability are available on special application.
2. **COMPACT** ... single package unit does away with cylinders or other space consuming arrangements.
3. **COMPLETE PROTECTION OF SCREW AND CRITICAL PARTS** ... by inner and outer tube enclosure. Round tubes in 10,000 lb. models assure precision fit and extreme mounting rigidity. Other models have square tube construction. Special tube locks available where side movement must be completely eliminated.
4. **AUTOMATIC LATCH AND SELF-LOCKING DESIGN** ... provides double safety against rotation of jack screw under vibration or extreme loading conditions. No need for brakes or expensive locking devices. Automatic latch is standard in 7,500 lb. and 10,000 lb. models. Latch actuates when crank handle is removed from assembly.
5. **CAN TAKE SIDE LOADS** ... resulting from uneven terrain, off-center loading, and eccentric mounting methods.
6. **HIGH EFFICIENCY BEVEL GEAR-HEADS** ... with 3:1 or 3.66:1 gear ratios in 5,000 lb., 7,500 lb., and 10,000 lb. models. Gearheads have precision tapered thrust bearings, steel or bronze driveshaft bushings, large lubricant reservoir. 500 lb. and 1,800 lb. models operate on direct screw drive.
7. **STOWABLE** ... solves ground clearance problems. Trunnion mount 31000 and 31020 models swing up and out of the way ... are easily attached to trailer in the horizontal position.
8. **CORROSION-RESISTANT FINISH** ... all jacks are treated with protective phosphate to Mil-P-16232 and are prime painted with red oxide per Mil-TT-P-636. All hardware is zinc or cadmium plated.



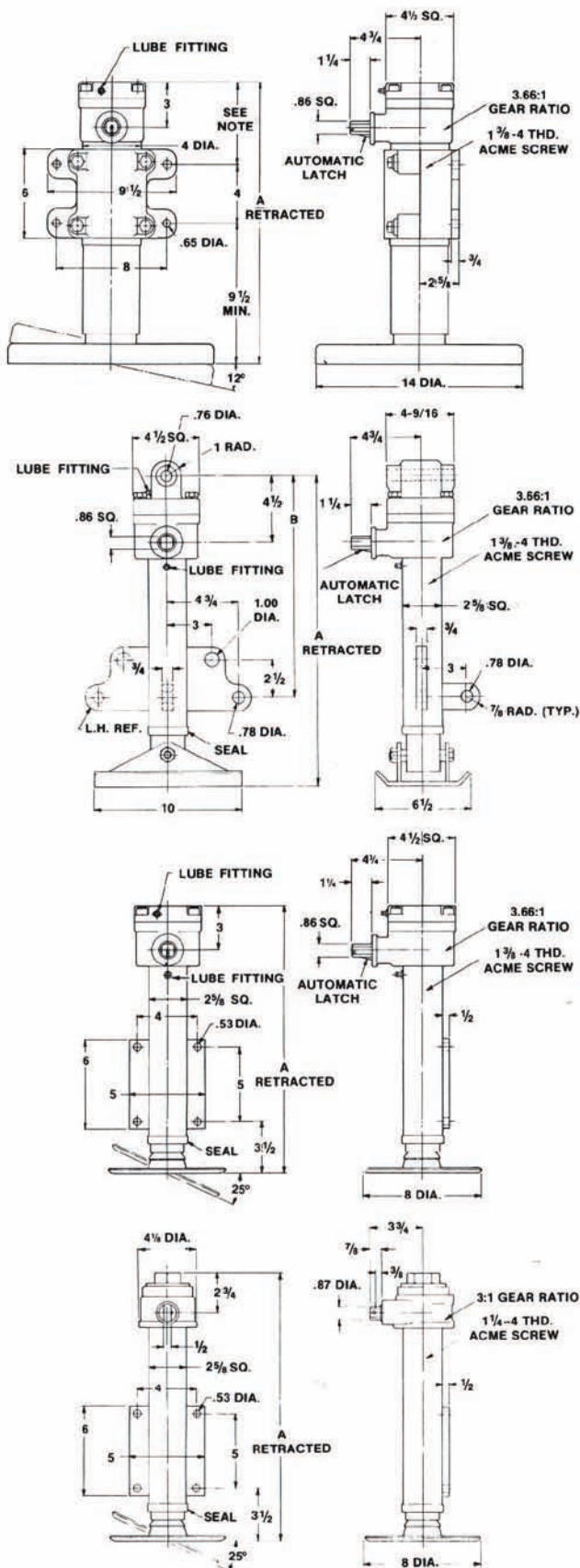
10000 LBS. CAPACITY — STOWABLE

PART NO.	STROKE	A	B	*SIDE LOAD LB.	WGT.
31000-6 L or R	6	22	17	11600	71
31000-12 L or R	12	28	23	7000	83
31000-18 L or R	18	34	29	5000	95

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at connecting points.

BASIC DATA:

1. 14.6 revs. input for 1 inch of stroke.
2. 10,000 lb. maximum operating load, compression.
3. 25,000 lb. maximum static compression to yield.
4. Approx. 380 inch lb. torque input at maximum operating load.
5. Specify crank: 8 inch, Part No. 10582-K or 12 inch, Part No. 10582-M.



10000 LBS. CAPACITY — RIGID MOUNT

PART NO.	STROKE	A	*SIDE LOAD LB.	WGT.
31010-6	6	19	6300	86
31010-12	12	25	3600	98
31010-18	18	31	2500	110

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at mounting point of jack side plate to frame member. Adjustable clamp bracket may be adjusted along entire length of tube toward gear head on -12 to -18 models. As a precaution it is advisable to weld bracket to outer tube, on all units, after location of proper mounting height is determined to prevent possible slippage.

BASIC DATA:

- 14.6 revs. input for 1 inch of stroke.
- 10,000 lb. maximum operating load, compression.
- 25,000 lb. maximum static compression to yield.
- Approx. 380 inch lb. torque input at maximum operating load.
- Specify crank: 8 inch, Part No. 10582-K or 12 inch, Part No. 10582-M.

7500 LBS. CAPACITY — STOWABLE

PART NO.	STROKE	A	B	*SIDE LOAD LB.	WGT.
31020-6 L or R	6	21	15	850	45
31020-12 L or R	12	27	21	500	52
31020-18 L or R	18	33	27	400	59

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at connecting points.

BASIC DATA:

- 14.6 revs. input for 1 inch of stroke.
- 7,500 lb. maximum operating load, compression.
- 22,000 lb. maximum static compression to yield.
- Approx. 285 inch lb. torque input at maximum operating load.
- Specify crank: 8 inch, Part No. 10582-K or 12 inch, Part No. 10582-M.
- Available with 14" dia. all terrain foot pad. Specify Part No. 31022-6 etc.

7500 LBS. CAPACITY — RIGID MOUNT

PART NO.	STROKE	A	*SIDE LOAD LB.	WGT.
31030-6	6	18	1100	45
31030-12	12	24	600	52
31030-18	18	30	400	59

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at mounting point of jack side plate to frame member.

BASIC DATA:

- 14.6 revs. input for 1 inch of stroke.
- 7,500 lb. maximum operating load, compression.
- 22,000 lb. maximum static compression to yield.
- Approx. 285 inch lb. torque input at maximum operating load.
- Specify crank: 8 inch, Part No. 10582-K or 12 inch, Part No. 10582-M.

5000 LBS. CAPACITY — RIGID MOUNT

PART NO.	STROKE	A	*SIDE LOAD LB.	WGT.
31040-6	6	18	1100	35
31040-12	12	24	600	42
31040-18	18	30	400	49

NOTE: *Maximum static side load to yield, combined with maximum operating load. Unit must be securely fixed at mounting point of jack side plate to frame member.

BASIC DATA:

- 12 revs. input for 1 inch of stroke.
- 5,000 lb. maximum operating load, compression.
- 15,000 lb. maximum static compression to yield.
- Approx. 235 inch lb. torque input at maximum operating load.
- Furnished with 8 inch crank, Part No. 14168-4.

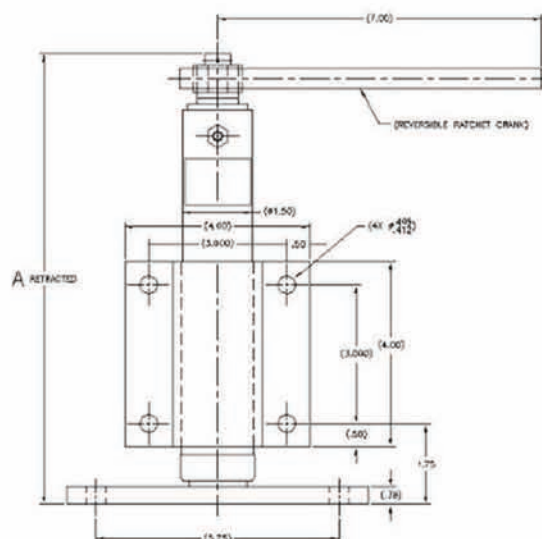
31068 SERIES JACKS

500 lb. Capacity/Fixed Pad
Basic Data

1. 6 revs. Input for 1 in. of stroke
2. 500 lb. max operating load, compression
3. 1,500 lb. maximum static compression to yield
4. Approx. 80 in. lb. torque input at maximum operating load
5. Furnished with 6 in. crank as shown

Custom Build and Design

We can build Caster Jacks to your specific requirements. Our experienced Engineering and Sales departments will help you design a jack to your exacting specifications.



Click on the illustration to view a PDF CAD drawing

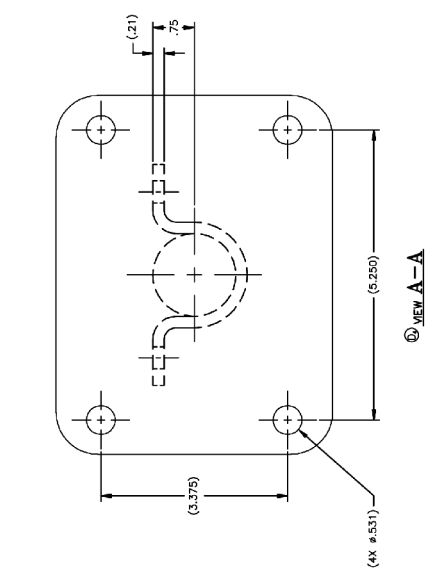
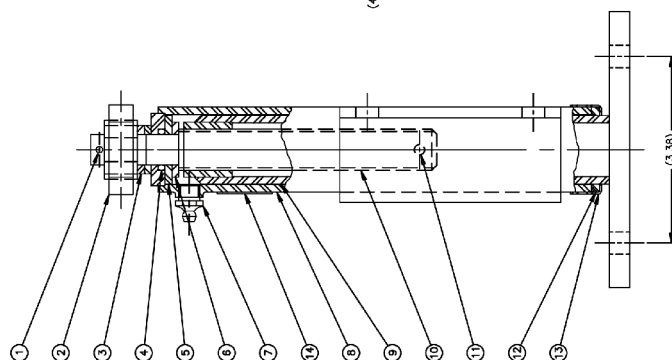
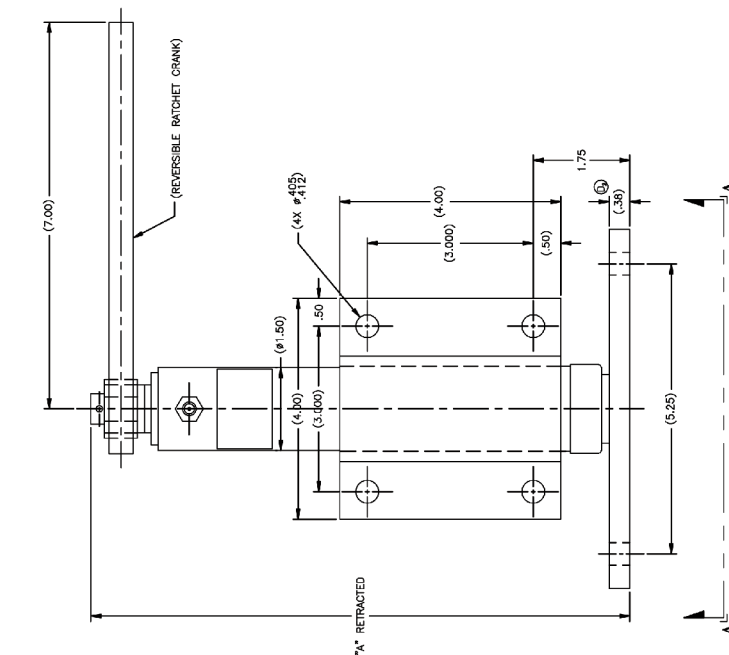
Max. Caster Height	Max. Offset	Bolt Hole Spacing	Bolt Hole Diameter
10.312	2.5	3.375 x 5.25	.50

P/N	Stroke	A Dimension	Weightless Casters (lb.)	*Side Load (lb.)
31068-3	3	9.75	5	700
31068-6	6	12.75	7	550
31068-9	9	15.75	9	350
31068-12	12	18.75	11	350
31068-18	18	24.75	14	250

Note: *Maximum Static Load to Yield, combined with maximum operating load. Unit must be securely fixed at mounting point of jack side plate to frame member.

Model 31068

REPORT	DATE LAND	ACRES, PERCENT ITEM 10	AMOUNT ITEM 9	UNITED STATES ITEM 8	% REMAINDER	SHORELINE	PARCEL NO.	SECTION
5	700	B-13925-2	07-05394-3-1	C-31061-1	3 3/4	9	07-031068-3	18
7	550	B-13925-3	07-05394-3-2	C-31061-2	6 12 3/4	9	07-031068-6	6
9	350	B-13925-4	07-05394-3-3	C-31061-3	9 15 3/4	9	07-031068-9	9
11	250	B-13925-5	07-05394-3-4	C-31061-4	24 23/4	9	07-031068-12	18
14	300	B-13925-10	07-05394-3-5	C-31061-5	12 18 3/4	9	07-031068-15	12

[illegible]

	QTY.	DESCRIPTION	MATERIAL OR NOTE	DRAWING NO.	SPECIFICATION
1	NAME PLATE	--	--	--	--
14	14-608	RING, S&S SECTION	91/8 X 3/4 LG.	91/85	218 O-RING
12	12-218	GROOVE PIN	3/4 - 6 THD	--	--
11	11 33-218	SCREW, A&M	1/4 - 28 UN THD	--	--
10	SEE CHART	INNER TUBE WELDMENT	--	--	--
9	SEE CHART	OUTER TUBE WELDMENT	--	--	--
8	SEE CHART	FITTING, LUBE	--	--	--
7	164-B	THRUST	--	--	--
6	164-C	BEARING, THRUST	--	--	--
5	07-032518	O-RING	.549 I.D. X .652 O.D.	--	--
4	M-569-113	WASHER	(LOWELL #10)	37079	--
3	13623	WRENCH, REVERSIBLE RATCHET	--	--	--
2	JX 11	GROOVE PIN	#1/8 X 3/4 LG.	--	--
1	11 33-218 / 4 GP	--	--	--	--

[illegible]

	NEXT ASSTY	USED ON	QTY

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- (Z) ARTICLES WHICH ARE NOT TO BE USED FOR THE PURPOSES OF THE EXPRESS WRITTEN AUTHORIZATION OF COMNAV.

ⓂⓂ JACK DATA:

1. 6 REVS. INPUT FOR 1 INCH OF STROKE
2. 1,500 LB MAXIMUM STATIC COMPRESSION TO YIELD
3. APPROX. 240 INCH LB. TORQUE INPUT AT MAXIMUM OPERATING LOAD

NOTES:

- 1.1. PRIMER: 1-COAT PER TT-P-436 (RED OXIDE), UNLESS OTHERWISE SPECIFIED ON SALES ORDER.
- 1.2. FINISH PER SALES ORDER.
- 1.3. PRIMER AND PAINT UNIT IN RETRACTED POSITION.
2. GRADE PER CLIENTS' NUT. SPEC CONTACT PORTION OF INNER AND COAT SCREW & LUBE. SPRAY DRY OFF PORTION OF INNER TUBE WITH LUBRGUARD 220 PRIOR TO ASSY.
3. PLATING: ALL EXTERIOR HARDWARE ITEMS ZINC PLATE PER ASTM B-433-85, CLASS F/2/N (0.002 THK.) TYPE III (CLEAR). SEE B-3475-85 FOR ASSY ASSEMBLY WITH NO RATCHET CRANK.