JTW

Machine Screw Jack

Contents

2D/3D CAD

JACTON®

Product Description

JACTON JTW Series Machine Screw Jack is a device used to apply a force, push and pull, lift and lower, open and close, or move to a position and hold by mechanically converting rotary motion into linear motion. Due to the classic design, you don't need to attach any construction elements to the housing. In the absence of vibration load, they have self locking and precisely position loads, will hold loads without backdriving, and no need any brake mechanism or locking system. Can be mounted in any attitude. Generally maintenance free.

● Features:

* Self locking MACHINE screw, precise positioning, and uniform speed.

* Available in 10 sizes from JTW-1T to JTW-100T.

* Static load capacity from 1 Ton to 100 Ton.

* Machine screw diameter from 24 mm to 160 mm.

* Standard machine screw maximum length 6000 mm, custom longer stroke.

* Upright or Inverted mounting. Available in tension or compression loads.

* Translating, Keyed for non-rotating, and Rotating designs.

* Models JTW-1T to JTW-10T/15T have THREE gear ratios (High ratio, Medium ratio, Slow ratio).
  Models JTW-20T to JTW-100T have TWO gear ratios (High ratio, Slow ratio).

* Standard with 1-start machine screw, custom 2-starts machine screw which offers increased travel speed and require a brake or external locking device to hold position.

* Custom-made machine screw diameter and pitch, gear ratios, and worm shaft sizes.

* Machine Screw Ends: top plate, clevis end, plain end, threaded end, fork end, rod end.

* Can be operated by manually operated or by electrical motor driven.

* Single unit use, or complete jacking system including gear motors, bevel gearboxes, connecting shafts

Product Description

and couplings for dual or multiple jack arrangements.

* Custom-made double clevis screw jack, anti-backlash screw jack.

* Can be used as alternatives to hydraulic and pneumatic systems.

• Materials:

* Machine Screw: Carbon steel #45. Custom stainless steel.

* Worm(Input Shaft): Hardened worm, carbon steel #45. Custom stainless steel.

* Worm Gear(Wheel): High strength bronze.

* Travelling Nut and Safety Nut: High strength bronze.

* Housing(Gearbox): Ductile Iron or Stainless steel, available in both of them.

• Accessories:

* Motorized driven (AC or DC) by asynchronous motors (normal, YEJ brake, YVP variable frequency, B explosion proof, D multi-speed), stepper motors, servo motors with encoders and controllers. IEC motor flange or NEMA C-Face motor adapter for connect with motors. Frequency inverters.

* Manually operated by Aluminum handwheels, or Cast iron handwheels.

* Connection Devices: Couplings. Universal joints. Telescopic universal joints. Connecting shafts.

* Screw Protective Devices: Bellows boot. Telescopic spring covers. Protective tubes.

* Safety Devices: Limit switches. Proximity switches. Safety nuts. Anti-backlash nut. Overload safety couplings. Stop nuts. Position Encoders. Overload clutch. Brake motor. Linear braking elements. Wear detection/monitors. Linear guides and rails. Potentiometer. Pressure sensor.

* Others Accessories: Travel nuts. Position indicators. Trunnion adapter plates. Trunnion mounting brackets. Pillow blocks. Flange blocks. Rod end bearings.

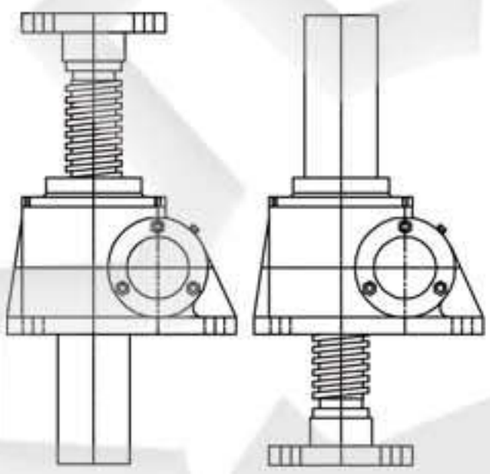
Sample Part Number

Sample Parts Numbers: JTW-5T (1) - US (2) - 300 (3) - H (4) - I (5) - C (6) - PP (7)

(1) Models & (4) Ratios

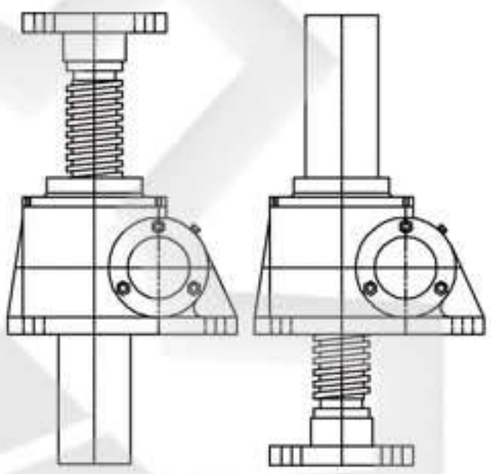
JTW-1T (Tr24x4) H:1/6, L:1/24	JTW-2.5T (Tr30x6) H:1/6, L:1/24	JTW-5T (Tr40x7) H:1/6, L:1/24	JTW-10T (Tr58x12) H:1/8, L:1/24	JTW-15T (Tr58x12) H:1/8, L:1/24
JTW-20T (Tr65x12) H:1/8, L:1/24	JTW-25T (Tr90x16) H:3/32, L:1/32	JTW-35T (Tr100x20) H:3/32, L:1/32	JTW-50T (Tr120x20) H:3/32, L:1/32	JTW-100T (Tr160x23) H:1/12, L:1/36
H: High Gear Ratios, L: Slow ratio				

(2) Jack Designs and Configurations



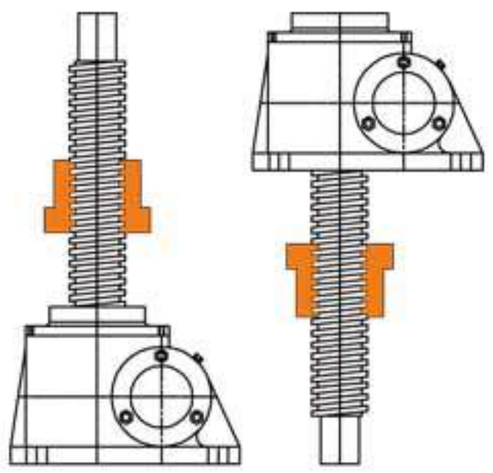
US IS

US: Upright Mounting, Translating Screw
IS: Inverted Mounting, Translating Screw



UK IK

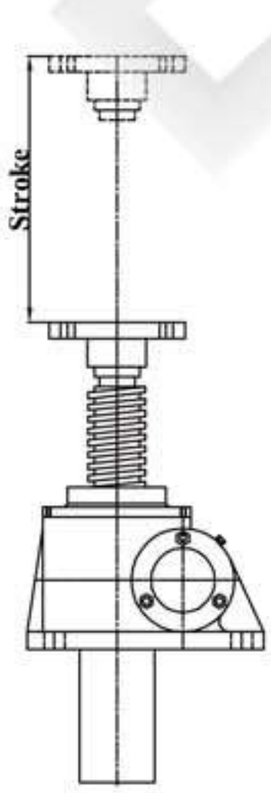
UK: Upright Mounting, Keyed Screw
IK: Inverted Mounting, Keyed Screw



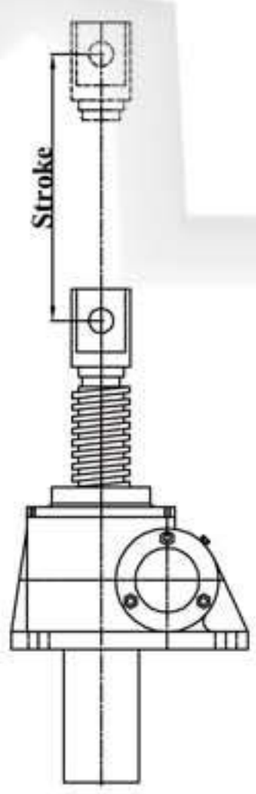
UR IR

UR: Upright Mounting, Rotating Screw
IR: Inverted Mounting, Rotating Screw

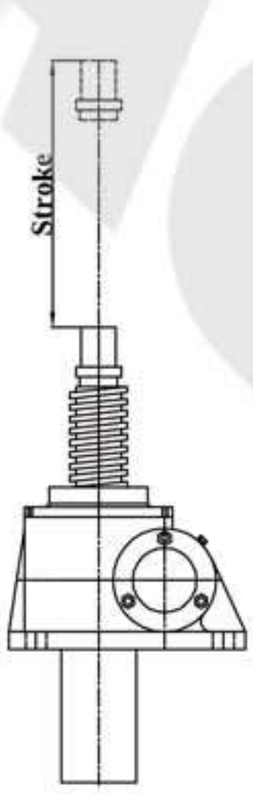
(3) Stroke & (5) Screw End Fittings



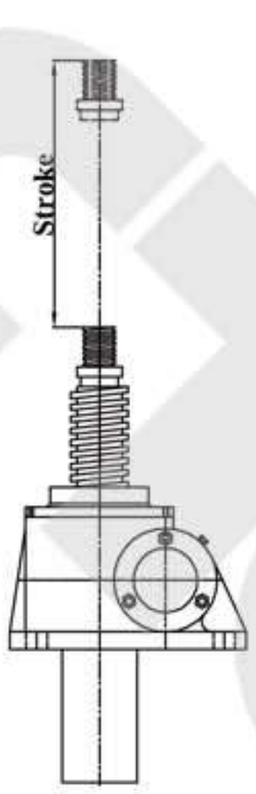
I Top Plate



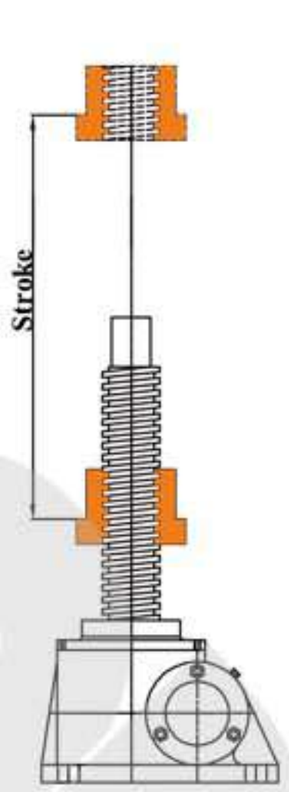
I I Clevis End



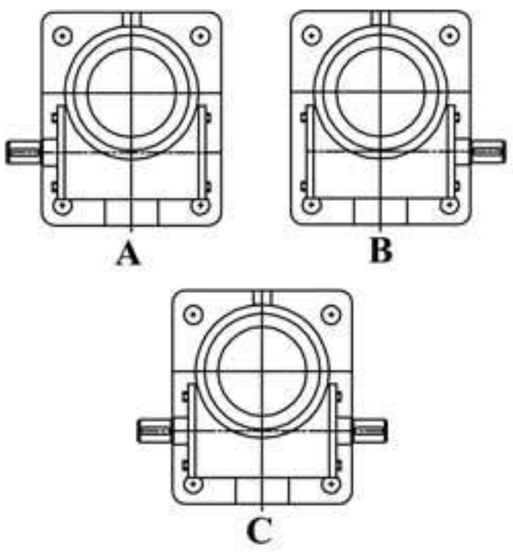
I I I Plain End



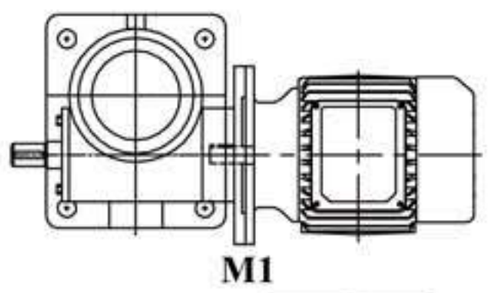
I V Thread End



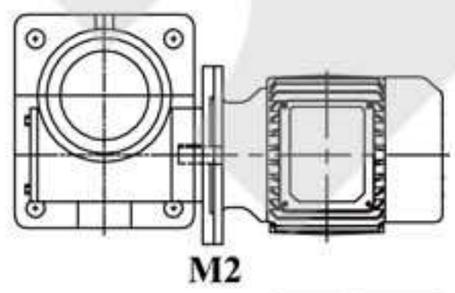
(6) Input Shafts Types & Motor Flange Types



A B C



M1



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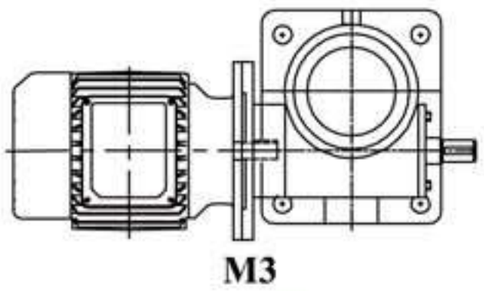

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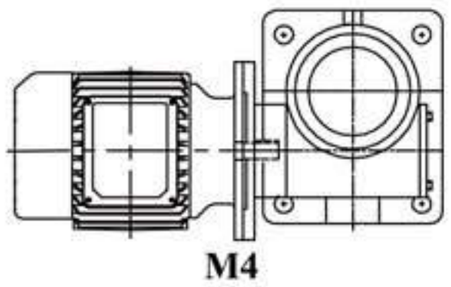
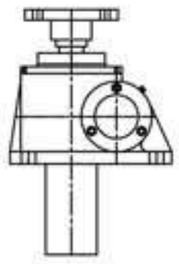


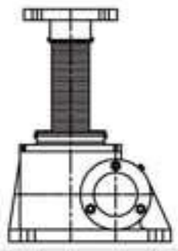
M4

Sample Part Number

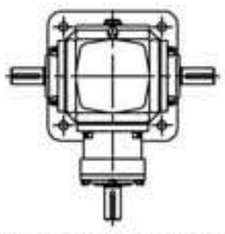
(7) Accessories



PP: Protective Tube

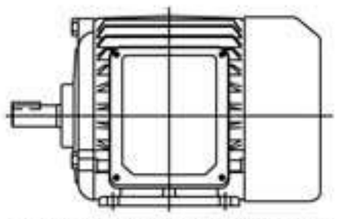


BB: Bellow Boots



BG: Bevel Gearbox

HW: Hand Wheel

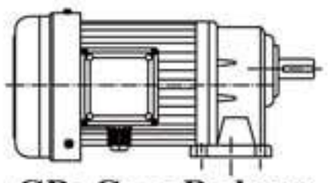


EM: Electric Motor

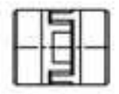
CS: Connecting Shaft

PB: Pillow Blocks

FB: Flange Blocks

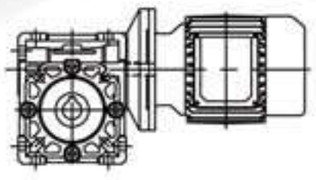


GR: Gear Reducer

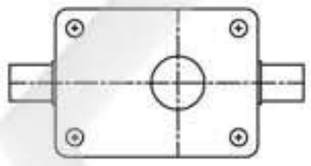


FC: Flex Coupling

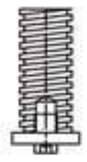
RE: Rod End



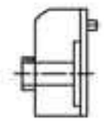
WR: Worm Reducer



SP: Swivel Plate

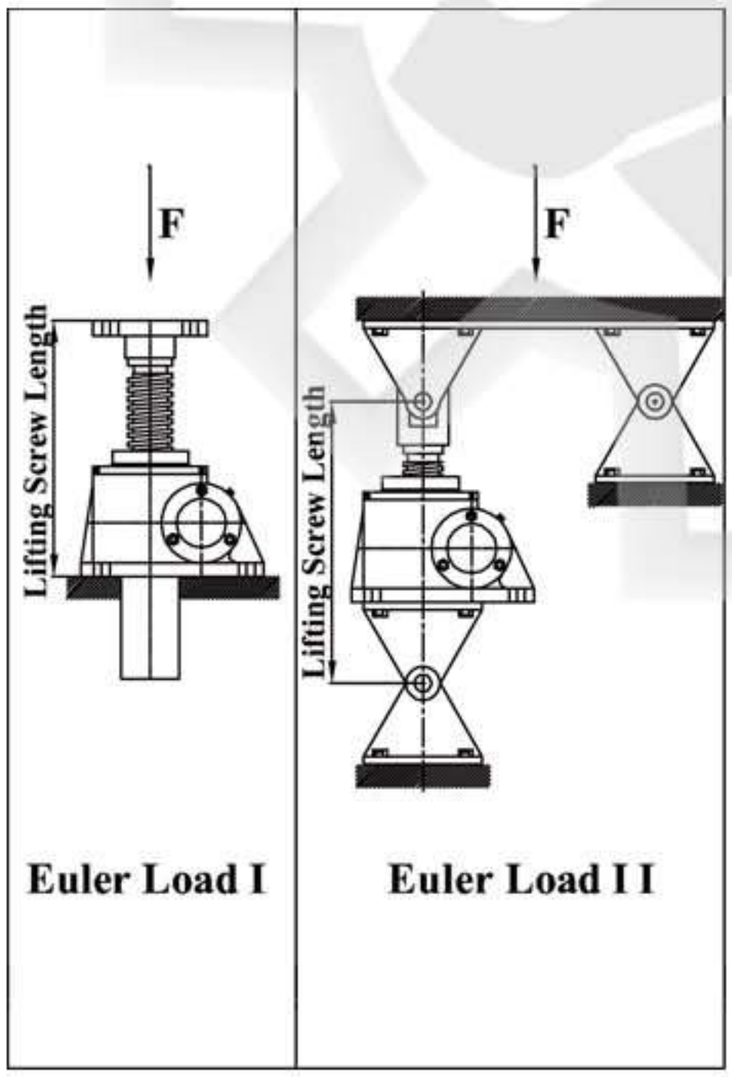


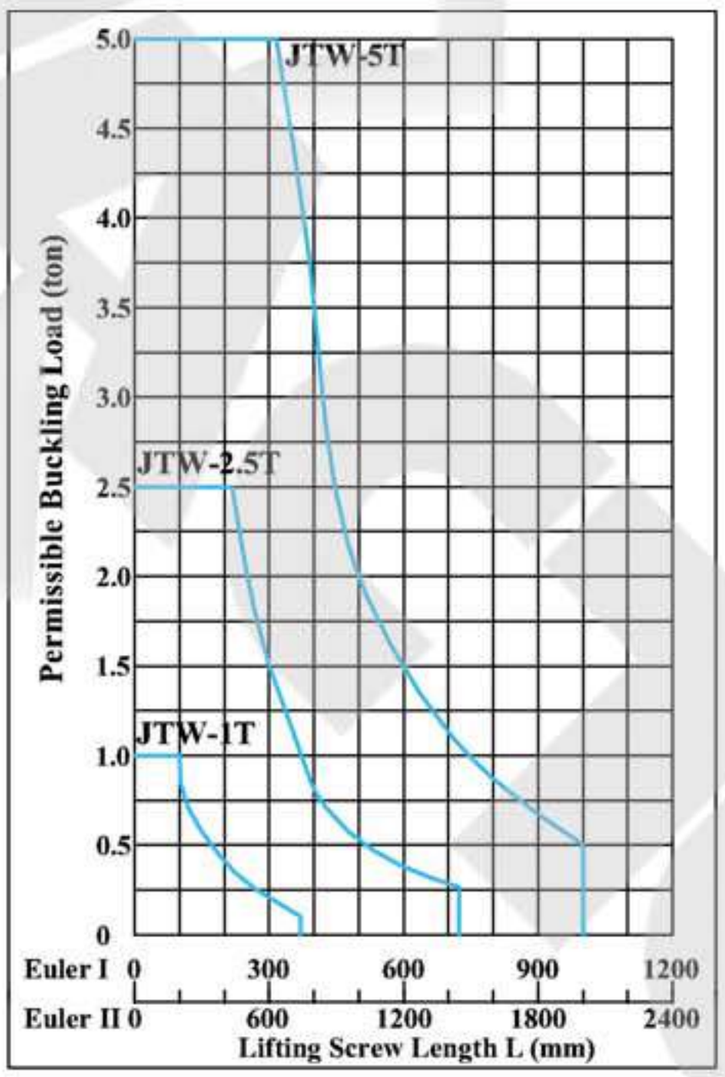
SN: Stop Nut

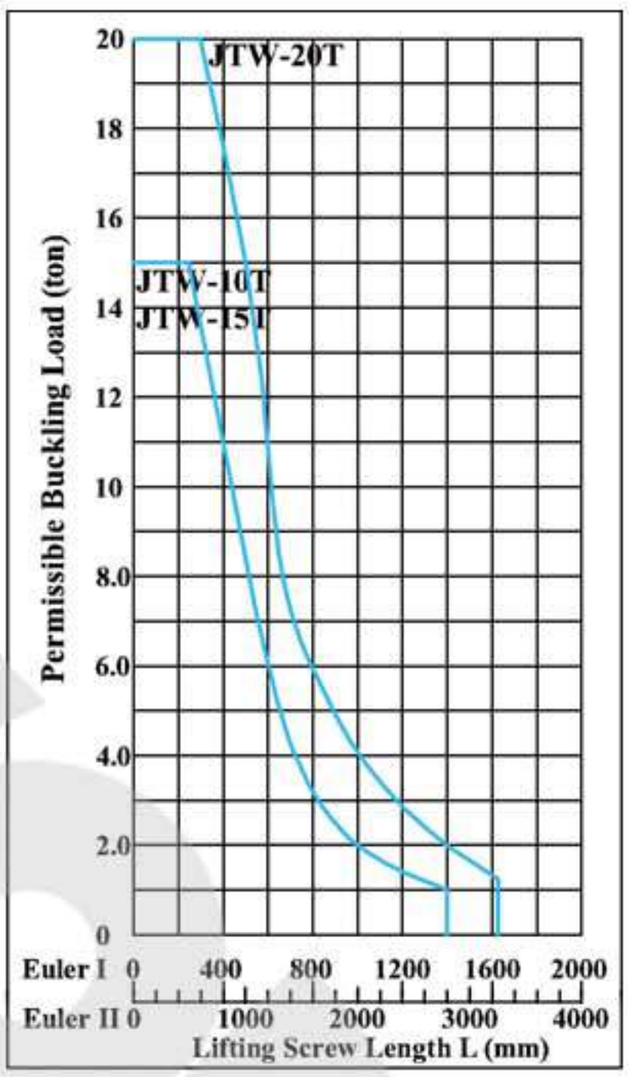


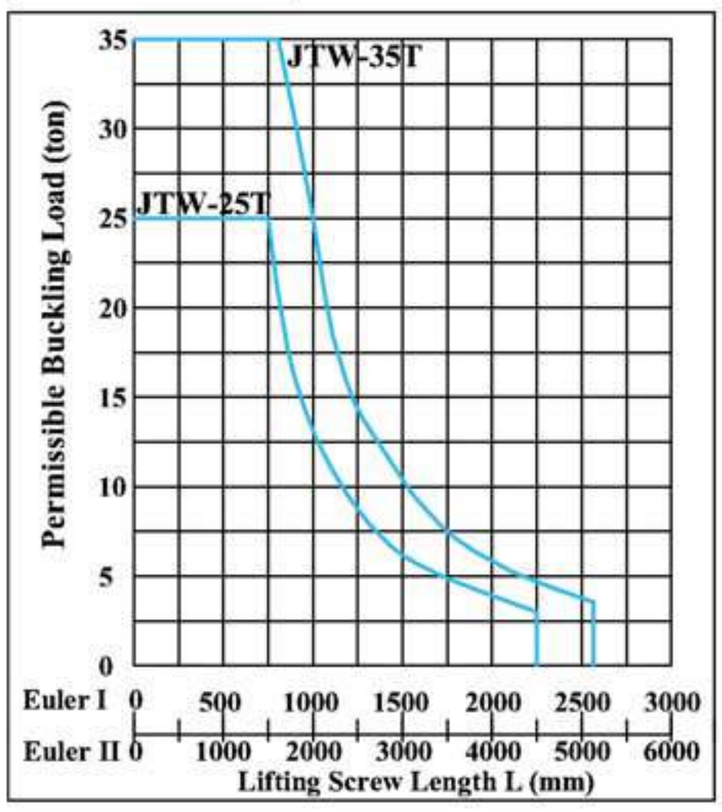
DC: Digital Counter

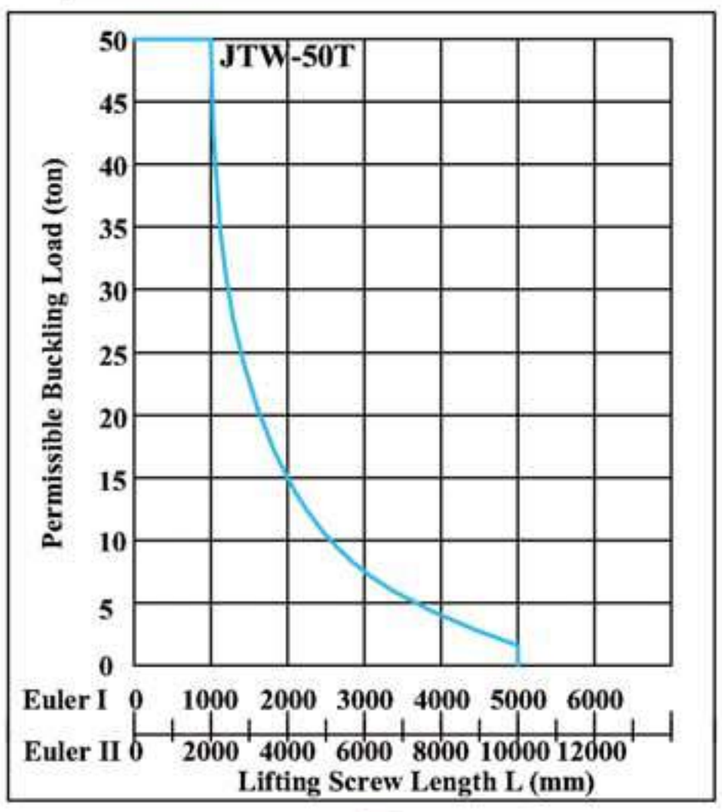
Permissible Buckling Load

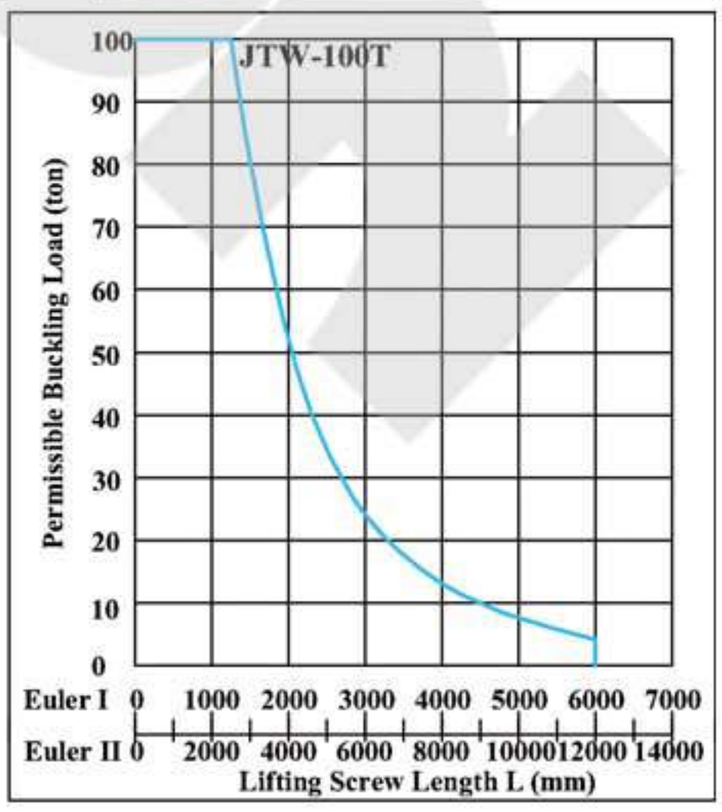












Relationship Between Lifting Force And Lifting Speed

Models	Lifting Force (Ton)	H: High Speed			L: Slow Speed		
		Ratio	Lifting Speed (mm/min)	Input Speed (rpm)	Ratio	Lifting Speed (mm/min)	Input Speed (rpm)
JTW-2.5T	2.5	6:1	< 50	< 50	24:1	< 12.5	< 50
	2.0		300	300		150	600
	1.5		500	500		188	750
	1.0		750	750		250	1000
	0.5		1500	1500		450	1800
	0.3		1800	1800		450	1800
JTW-5T	5.0	6:1	< 58.3	< 50	24:1	< 14.6	< 50
	4.0		350	300		175	600
	3.0		350	300		219	750
	2.0		700	600		292	1000
	1.0		1166	1000		525	1800
	0.5		2100	1800		525	1800
JTW-10T/15T	10.0	8:1	300	200	24:1	150	300
	7.5		450	300		250	500
	5.0		450	300		375	750
	3.5		900	600		500	1000
	2.0		1500	1000		900	1800
	1.0		2700	1800		900	1800
	0.5		2700	1800		900	1800
JTW-20T	20.0	8:1	150	100	24:1	100	200
	16.0		150	100		100	200
	12.0		300	200		150	300
	10.0		300	200		250	500
	7.5		450	300		375	750
	5.0		750	500		500	1000
	2.5		1500	1000		900	1800
JTW-25T	25.0	10-2/3:1	75	50	32:1	25	50
	20.0		150	100		100	200
	16.0		150	100		150	300
	13.0		300	200		150	300
	10.0		450	300		250	500
	7.5		450	300		300	600
	5.0		900	600		500	1000
JTW-35T	35.0	10-2/3:1	< 75	< 40	32:1	< 25	< 40
	30.0		75	40		50	80
	25.0		150	80		150	240
	20.0		300	160		150	240
	15.0		300	160		250	400
	10.0		600	320		375	600
	5.0		1125	600		500	800
JTW-50T	50.0	10-2/3:1	< 94	< 50	32:1	< 31	< 50
	45.0		94	50		31	50
	40.0		188	100		63	100
	30.0		281	150		188	300
	20.0		563	300		250	400
	10.0		938	500		625	1000
JTW-100T	100.0	12:1	< 96	< 50	36:1	< 32	< 50
	90.0		96	50		32	50
	80.0		192	100		64	100
	60.0		288	150		96	150
	40.0		383	200		192	300
	20.0		767	400		639	1000

Specifications

Remarks:

1) H: high ratio, L: slow ratio

2) Max. allowable power is under the conditions that ambient temperature 20 degree C, duty cycle 20%h and input speed 1500rpm

3) Overall efficiency is under grease lubrication.

4) Self-locking under static conditions.

Model	JTW-1T	JTW-2.5T	JTW-5T	JTW-10T/15T	JTW-20T	JTW-25T	JTW-35T	JTW-50T	JTW-100T
Max. lifting force (ton)	1	2.5	5	10	20	25	35	50	100
Max. pulling force (ton)	1	2.5	5	9.9	16.6	25	35	50	100
Lift screw sizes (mm)	Tr24 x 4	Tr30 x 6	Tr40 x 7	Tr58 x 12	Tr65 x 12	Tr90 x 16	Tr100 x 20	Tr120 x 20	Tr160 x 23
Gear ratio (H)	6:1	6:1	6:1	8:1	8:1	32:3	32:3	32:3	12:1
Lift screw travel (mm), per turn of input shaft (H)	0.667	1	1.167	1.5	1.5	1.5	1.875	1.875	1.917
Efficiency % (H)	21	23	21	23	21	19	18	15	13
Gear ratio (L)	24:1	24:1	24:1	24:1	24:1	32:1	32:1	32:1	36:1
Lift screw travel (mm), per turn of input shaft (L)	0.167	0.25	0.292	0.5	0.5	0.5	0.625	0.625	0.639
Efficiency % (L)	13	14	12	15	13	11	11	11	10
Max. length of lift screw (mm), when max. tensile force	1200	1500	2000	2500	3000	3500	4000	5500	6500
Max. allowable power (kw)	0.25	0.55	1.1	2.6	3.7	4.8	6	7.5	15
Lubricant (kg)	0.05	0.1	0.25	0.5	0.75	1.1	1.9	2.2	2.5
Weight without stroke (kg)	4	7.3	16.2	25	36	70.5	87	420	1010
Weight of screw (kg), per 100 mm stroke	0.3	0.45	0.82	1.67	2.15	4.15	5.2	7.45	13.6

Performance Tables

* **Note:** The dark gray figures in the tables indicates operational restrictions due to thermal limits. Static only (dynamic not permitted). Selection of screw jacks using these figures should only be carried out in consultation with our engineers. When your selection is made within the areas dark gray, you will need to reduce duty cycle or choose larger model screw jacks in order to allow effective heat dissipation.
* **Conditions:** Duty cycle 20%/h or 30%/10min, 20 °C ambient temperature.
* **Gear Ratios**: **H:** high ratio, **L:** slow ratio.
* **Nm:** Input torque required, **kW:** Input power required.

JTW-1T (Tr24 x 4)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=1 Ton		F=0.8 Ton		F=0.6 Ton		F=0.4 Ton		F=0.3 Ton		F=0.2 Ton		F=0.1 Ton	
			H 6.6Nm	L 2.7Nm	H 5.3Nm	L 2.1Nm	H 4.0Nm	L 1.6Nm	H 2.7Nm	L 1.0Nm	H 2.0Nm	L 0.8Nm	H 1.3Nm	L 0.53Nm	H 0.66Nm	L 0.27Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	1000.0	250.0	1.00	0.40	0.80	0.32	0.60	0.24	0.40	0.16	0.30	0.12	0.20	0.08	0.10	0.04
1000	666.7	166.7	0.67	0.27	0.53	0.21	0.40	0.16	0.27	0.11	0.20	0.08	0.13	0.05	0.07	0.03
750	500.0	125.0	0.50	0.20	0.40	0.16	0.30	0.12	0.20	0.08	0.15	0.06	0.10	0.04	0.05	0.02
500	333.3	83.3	0.33	0.13	0.27	0.11	0.20	0.08	0.13	0.05	0.10	0.04	0.07	0.03	0.03	0.01
300	200.0	50.0	0.20	0.08	0.16	0.06	0.12	0.05	0.08	0.03	0.06	0.02	0.04	0.02	0.02	0.01
200	133.3	33.3	0.13	0.05	0.11	0.04	0.08	0.03	0.05	0.02	0.04	0.02	0.03	0.01	0.01	0.01
100	66.7	16.7	0.07	0.03	0.05	0.02	0.04	0.02	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.00
50	33.3	8.3	0.03	0.01	0.03	0.01	0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00

JTW-2.5T (Tr30 x 6)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=2.5 Ton		F=2.0 Ton		F=1.5 Ton		F=1.0 Ton		F=0.5 Ton		F=0.25 Ton		F=0.1 Ton	
			H 18Nm	L 7.1Nm	H 14Nm	L 5.7Nm	H 11Nm	L 4.3Nm	H 6.9Nm	L 2.9Nm	H 3.5Nm	L 1.4Nm	H 1.7Nm	L 0.71Nm	H 0.7Nm	L 0.28Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	1500	375	2.70	1.20	2.20	0.89	1.70	0.67	1.10	0.45	0.54	0.22	0.27	0.11	0.11	0.05
1000	1000	250	1.80	0.74	1.50	0.60	1.10	0.45	0.72	0.30	0.36	0.15	0.18	0.07	0.07	0.05
750	750	187.5	1.40	0.56	1.10	0.45	0.82	0.33	0.54	0.22	0.27	0.11	0.14	0.06	0.05	0.05
500	500	125	0.91	0.37	0.72	0.30	0.54	0.22	0.36	0.15	0.18	0.07	0.09	0.05	0.05	0.05
300	300	75	0.54	0.22	0.43	0.18	0.33	0.13	0.22	0.09	0.11	0.05	0.05	0.05	0.05	0.05
200	200	50	0.36	0.15	0.29	0.12	0.22	0.09	0.14	0.06	0.07	0.05	0.05	0.05	0.05	0.05
100	100	25	0.18	0.07	0.14	0.06	0.11	0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05
50	50	12.5	0.09	0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

JTW-5T (Tr40 x 7)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=5 Ton		F=4 Ton		F=3 Ton		F=2 Ton		F=1 Ton		F=0.5 Ton		F=0.25 Ton	
			H 44.2Nm	L 19.3Nm	H 35.4Nm	L 15.5Nm	H 26.5Nm	L 11.6Nm	H 17.7Nm	L 7.7Nm	H 8.8Nm	L 3.9Nm	H 4.4Nm	L 1.9Nm	H 2.2Nm	L 1.0Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	1750.0	437.5	6.90	3.00	5.60	2.40	4.20	1.80	2.80	1.20	1.40	0.60	0.70	0.30	0.30	0.20
1000	1166.7	291.7	4.60	2.00	3.70	1.60	2.80	1.20	1.90	0.80	0.90	0.40	0.50	0.20	0.20	0.10
750	875.0	218.8	3.50	1.50	2.80	1.20	2.10	0.90	1.40	0.60	0.70	0.30	0.30	0.20	0.20	0.10
500	583.3	145.8	2.30	1.00	1.90	0.80	1.40	0.60	0.90	0.40	0.50	0.20	0.20	0.10	0.10	0.10
300	350.0	87.5	1.40	0.60	1.10	0.50	0.80	0.40	0.60	0.20	0.30	0.10	0.10	0.10	0.10	0.10
200	233.3	58.3	0.90	0.40	0.70	0.30	0.60	0.20	0.40	0.20	0.20	0.10	0.10	0.10	0.10	0.10
100	116.7	29.2	0.50	0.20	0.40	0.20	0.30	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
50	58.3	14.6	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

Performance Tables

JTW-10T (Tr58 x 12)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=10 Ton		F=8 Ton		F=6 Ton		F=4 Ton		F=2 Ton		F=1 Ton		F=0.5 Ton	
			H 108Nm	L 53Nm	H 87Nm	L 43Nm	H 65Nm	L 32Nm	H 44Nm	L 22Nm	H 22Nm	L 11Nm	H 11Nm	L 5.3Nm	H 5.4Nm	L 2.7Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2250	750	17.00	8.30	14.00	6.70	11.00	5.00	6.80	3.30	3.40	1.70	1.70	0.80	0.90	0.40
1000	1500	500	12.00	5.60	9.10	4.40	6.80	3.30	4.50	2.20	2.30	1.10	1.10	0.60	0.60	0.30
750	1125	375	8.50	4.20	6.80	3.30	5.10	2.50	3.40	1.70	1.70	0.80	0.90	0.40	0.40	0.20
500	750	250	5.70	2.80	4.50	2.20	3.40	1.70	2.30	1.10	1.10	0.60	0.60	0.30	0.30	0.10
300	450	150	3.40	1.70	2.70	1.30	2.00	1.00	1.40	0.70	0.70	0.30	0.30	0.20	0.20	0.10
200	300	100	2.30	1.10	1.80	0.90	1.40	0.70	0.90	0.40	0.50	0.20	0.20	0.10	0.10	0.10
100	150	50	1.10	0.60	0.90	0.40	0.70	0.30	0.50	0.20	0.20	0.10	0.10	0.10	0.10	0.10
50	75	25	0.60	0.30	0.50	0.20	0.30	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10

JTW-15T (Tr58 x 12)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=15 Ton		F=10 Ton		F=8 Ton		F=6 Ton		F=4 Ton		F=2 Ton		F=1 Ton	
			H 163Nm	L 92Nm	H 108Nm	L 53Nm	H 87Nm	L 43Nm	H 65Nm	L 32Nm	H 44Nm	L 22Nm	H 22Nm	L 11Nm	H 11Nm	L 5.3Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2250	750	26.00	15.00	17.00	8.30	14.00	6.70	11.00	5.00	6.80	3.30	3.40	1.70	1.70	0.80
1000	1500	500	17.00	9.60	12.00	5.60	9.10	4.40	6.80	3.30	4.50	2.20	2.30	1.10	1.10	0.60
750	1125	375	13.00	7.20	8.50	4.20	6.80	3.30	5.10	2.50	3.40	1.70	1.70	0.80	0.90	0.40
500	750	250	8.50	4.80	5.70	2.80	4.50	2.20	3.40	1.70	2.30	1.10	1.10	0.60	0.60	0.30
300	450	150	5.10	2.90	3.40	1.70	2.70	1.30	2.00	1.00	1.40	0.70	0.70	0.30	0.30	0.20
200	300	100	3.40	1.90	2.30	1.10	1.80	0.90	1.40	0.70	0.90	0.40	0.50	0.20	0.20	0.10
100	150	50	1.70	1.10	1.10	0.60	0.90	0.40	0.70	0.30	0.50	0.20	0.20	0.10	0.10	0.10
50	75	25	0.90	0.50	0.60	0.30	0.50	0.20	0.30	0.20	0.20	0.10	0.10	0.10	0.10	0.10

JTW-20T (Tr65 x 12)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=20 Ton		F=16 Ton		F=12 Ton		F=10 Ton		F=7.5 Ton		F=5 Ton		F=2.5 Ton	
			H 228Nm	L 123Nm	H 182Nm	L 98Nm	H 137Nm	L 74Nm	H 114Nm	L 62Nm	H 86Nm	L 46Nm	H 57Nm	L 31Nm	H 29Nm	L 16Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2250	750	36.00	20.00	29.00	16.00	22.00	12.00	18.00	9.60	14.00	7.20	8.90	4.80	4.50	2.40
1000	1500	500	24.00	13.00	19.00	11.00	15.00	7.70	12.00	6.40	8.90	4.80	6.00	3.20	3.00	1.60
750	1125	375	18.00	9.60	15.00	7.70	11.00	5.80	8.90	4.80	6.70	3.60	4.50	2.40	2.20	1.20
500	750	250	12.00	6.40	9.50	5.10	7.10	3.80	6.00	3.20	4.50	2.40	3.00	1.60	1.50	0.80
300	450	150	7.10	3.80	5.70	3.10	4.30	2.30	3.60	1.90	2.70	1.40	1.80	1.00	0.90	0.50
200	300	100	4.80	2.60	3.80	2.10	2.90	1.50	2.40	1.30	1.80	1.00	1.20	0.60	0.60	0.30
100	150	50	2.40	1.30	1.90	1.00	1.40	0.80	1.20	0.60	0.90	0.50	0.60	0.30	0.30	0.20
50	75	25	1.20	0.60	1.00	0.50	0.70	0.40	0.60	0.30	0.40	0.20	0.30	0.20	0.10	0.10

Performance Tables

JTW-25T (Tr90 x 16)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=25 Ton		F=20 Ton		F=16 Ton		F=12 Ton		F=10 Ton		F=7.5 Ton		F=5 Ton	
			H 314Nm	L 181Nm	H 252Nm	L 145Nm	H 201Nm	L 116Nm	H 151Nm	L 87Nm	H 126Nm	L 73Nm	H 95Nm	L 55Nm	H 63Nm	L 37Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2250	750	49.30	19.00	27.00	16.00	22.00	13.00	16.00	9.10	14.00	7.60	9.90	5.70	6.60	3.80
1000	1500	500	32.30	15.00	20.00	12.00	16.00	9.10	12.00	6.80	9.90	5.70	7.40	4.30	4.90	2.80
750	1125	375	24.60	9.50	14.00	7.60	11.00	6.10	7.90	4.50	6.60	3.80	4.90	2.80	3.30	1.90
500	750	250	16.40	7.60	11.00	6.10	8.40	4.80	6.30	3.60	5.30	3.00	3.90	2.30	2.60	1.50
300	450	150	9.90	5.70	7.90	4.50	6.30	3.60	4.70	2.70	3.90	2.30	3.00	1.70	2.00	1.10
200	300	100	6.60	3.80	5.30	3.00	4.20	2.40	3.20	1.80	2.60	1.50	2.00	1.10	1.30	0.80
100	150	50	3.30	1.90	2.60	1.50	2.10	1.20	1.60	0.90	1.30	0.80	1.00	0.60	0.70	0.40
50	75	25	1.60	0.90	1.30	0.80	1.10	0.60	0.80	0.50	0.70	0.40	0.50	0.30	0.30	0.20

JTW-35T (Tr100 x 20)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=35 Ton		F=30 Ton		F=25 Ton		F=20 Ton		F=15 Ton		F=10 Ton		F=5 Ton	
			H 464Nm	L 253Nm	H 398Nm	L 217Nm	H 332Nm	L 181Nm	H 266Nm	L 145Nm	H 199Nm	L 109Nm	H 133Nm	L 73Nm	H 67Nm	L 36Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2813	938	72.00	27.00	42.00	23.00	35.00	19.00	28.00	16.00	21.00	12.00	14.00	7.60	6.90	3.80
1000	1875	625	48.50	20.00	32.00	17.00	26.00	15.00	21.00	12.00	16.00	8.50	11.00	5.70	5.20	2.80
750	1406	469	36.40	14.00	21.00	12.00	18.00	9.50	14.00	7.60	11.00	5.70	6.90	3.80	3.50	1.90
500	938	313	24.20	11.00	17.00	9.10	14.00	7.60	12.00	6.10	8.30	4.50	5.60	3.00	2.80	1.50
300	563	188	14.50	8.00	13.00	6.80	11.00	5.70	8.30	4.50	6.30	3.40	4.20	2.30	2.10	1.10
200	375	125	9.80	5.30	8.40	4.50	7.00	3.80	5.60	3.00	4.20	2.30	2.80	1.50	1.40	0.80
100	188	63	4.90	2.70	4.20	2.30	3.50	1.90	2.80	1.50	2.10	1.10	1.40	0.80	0.70	0.40
50	94	31	2.50	1.30	2.10	1.10	1.80	0.90	1.40	0.80	1.00	0.60	0.70	0.40	0.30	0.30

JTW-50T (Tr120 x 20)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=50 Ton		F=45 Ton		F=40 Ton		F=35 Ton		F=30 Ton		F=20 Ton		F=10 Ton	
			H 848Nm	L 448Nm	H 764Nm	L 401Nm	H 679Nm	L 353Nm	H 594Nm	L 316Nm	H 509Nm	L 271Nm	H 339Nm	L 180Nm	H 169Nm	L 90Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2813	938	133.00	70.00	80.00	42.00	71.10	37.00	62.20	33.10	53.30	28.40	35.50	18.90	17.70	9.40
1000	1875	625	88.70	35.50	60.00	31.00	53.30	28.40	46.50	24.80	39.90	21.30	26.70	14.20	13.40	7.10
750	1406	469	66.50	23.70	40.00	21.00	35.50	18.90	31.00	16.60	26.20	14.20	17.70	9.50	8.90	4.70
500	938	313	35.00	18.90	32.00	17.00	28.40	15.20	24.80	13.30	21.30	11.40	14.20	7.60	7.10	3.80
300	563	188	26.00	14.20	24.00	12.80	21.30	11.40	18.60	9.90	16.00	8.50	10.70	5.70	5.30	2.90
200	375	125	18.00	9.50	16.00	8.50	14.20	7.50	12.40	6.60	10.60	5.70	7.10	3.70	3.50	1.80
100	188	63	8.90	4.50	8.00	4.00	7.10	3.60	6.20	3.20	5.30	2.80	3.50	1.80	1.70	0.90
50	94	31	4.40	2.20	4.00	2.00	3.50	1.80	3.10	1.60	2.60	1.30	1.70	0.90	0.80	0.45

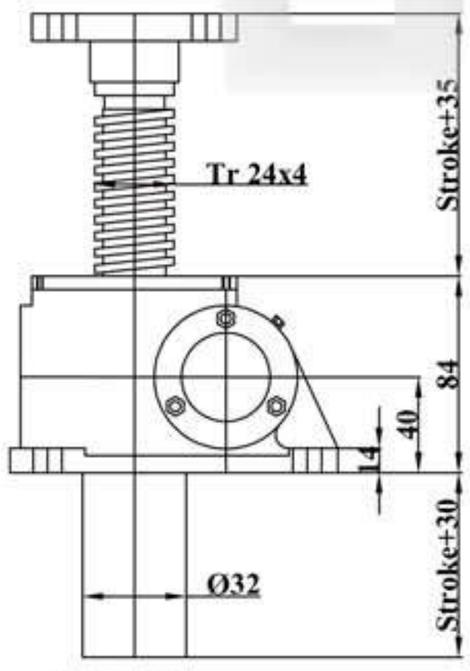
Performance Tables

JTW-100T (Tr160 x 23)

Input Speed (RPM)	Lifting Speed (MM/MIN)		F=100 Ton		F=90 Ton		F=80 Ton		F=70 Ton		F=60 Ton		F=40 Ton		F=20 Ton	
			H 1938Nm	L 1012Nm	H 1747Nm	L 915Nm	H 1554Nm	L 813Nm	H 1359Nm	L 711Nm	H 1165Nm	L 611Nm	H 776Nm	L 406Nm	H 388Nm	L 203Nm
	H	L	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
1500	2875	958	203.00	106.00	183.00	96.00	162.00	85.00	142.00	74.00	122.00	64.00	81.00	42.60	40.60	21.30
1000	1917	639	152.00	80.00	137.00	72.00	122.00	64.00	106.00	55.00	91.00	48.00	61.00	32.00	30.50	16.00
750	1438	479	102.00	53.00	91.00	48.00	81.00	42.00	71.00	37.00	61.00	32.00	41.00	21.00	21.00	10.50
500	958	319	81.40	42.50	73.00	38.00	65.00	34.00	56.00	29.00	48.00	25.50	32.00	17.00	16.00	8.50
300	575	192	61.00	32.00	55.00	28.80	49.00	25.00	42.00	22.00	36.00	19.20	24.00	12.70	12.00	6.30
200	383	128	40.60	21.00	36.00	19.20	32.50	17.00	28.00	15.00	24.00	12.80	16.00	8.50	8.00	4.20
100	192	64	20.30	10.60	18.30	9.60	16.00	8.50	14.00	7.50	12.00	6.40	8.00	4.30	4.00	2.10
50	96	32	10.20	5.30	9.10	4.80	8.00	4.20	7.00	3.80	6.00	3.20	4.00	2.10	2.00	1.05

Dimensions

JTW-1T



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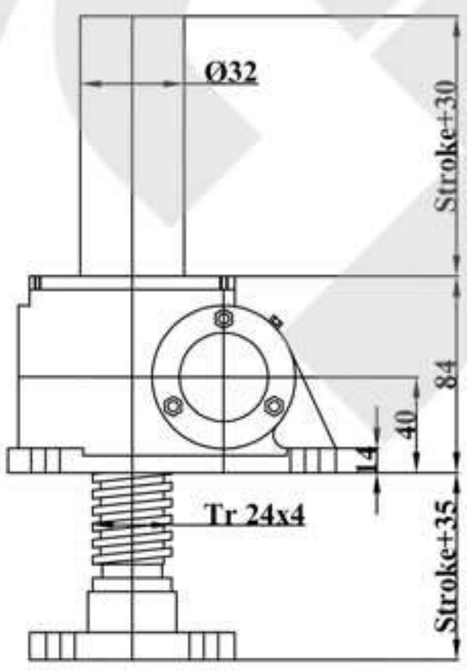

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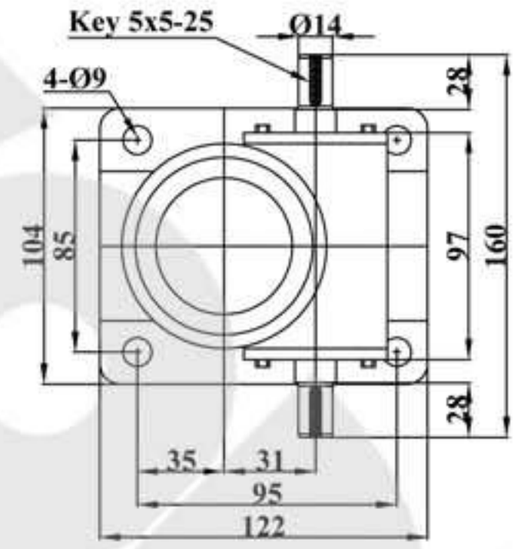
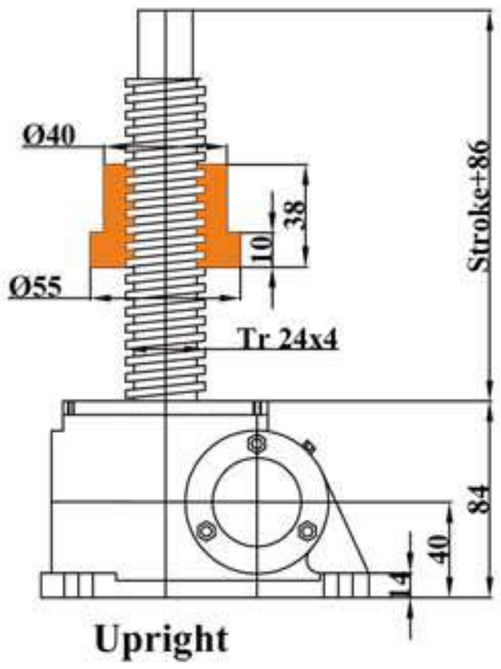


Screw End Types and Dimensions



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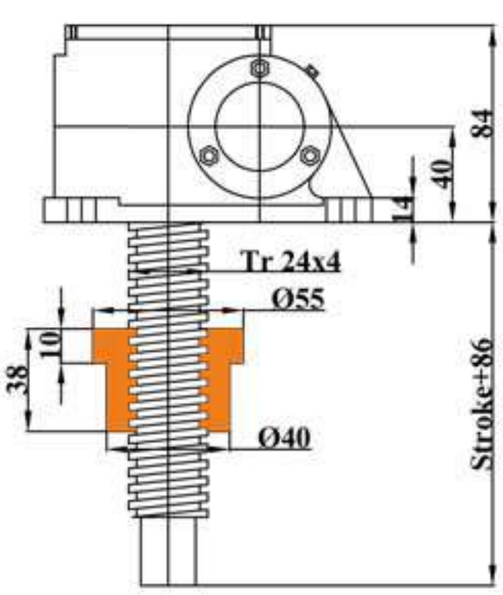

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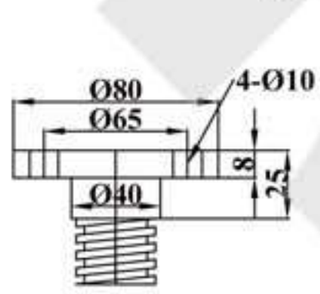
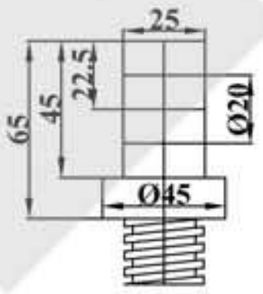
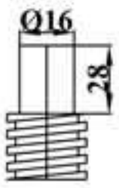


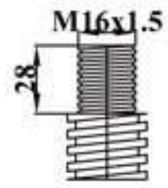
I Top Plate



II Clevis End



III Plain End



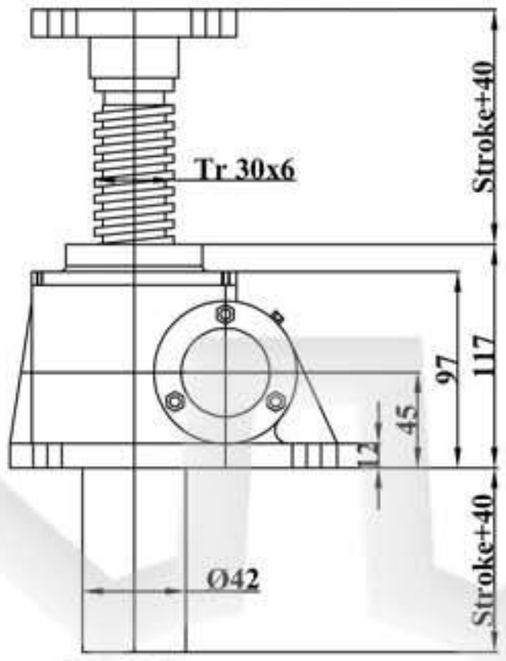
IV Thread End

*. Dimensions are subject to change without notice

www.screw-jack.com jactonjack@gmail.com sales@jactonindustry.com

Dimensions

JTW-2.5T



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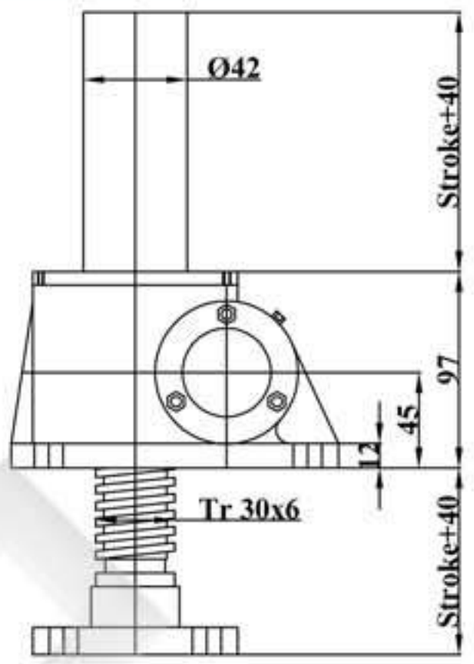

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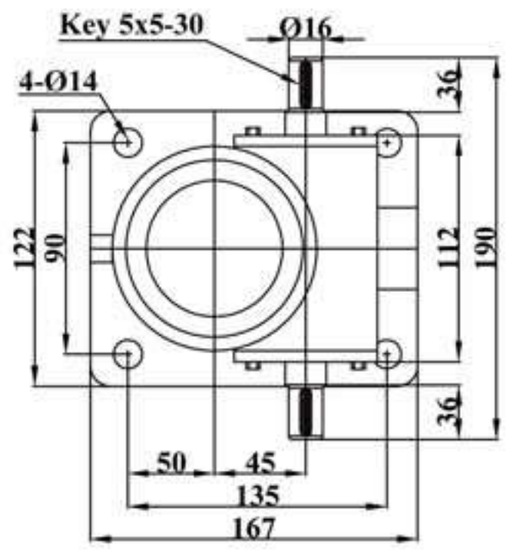
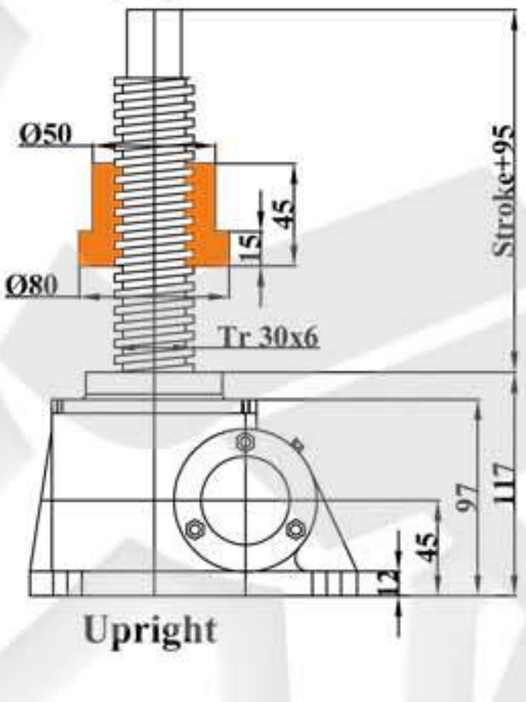
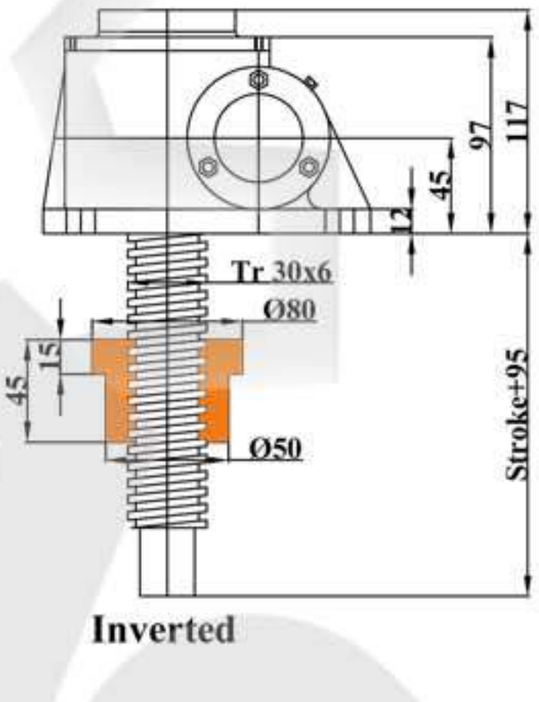


Screw End Types and Dimensions



Upright



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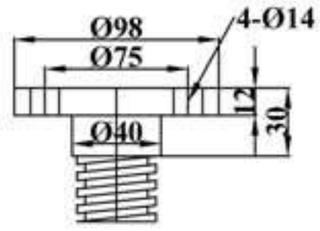
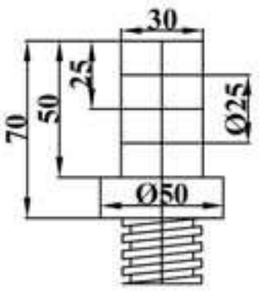
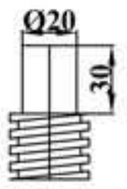


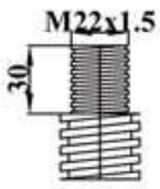
I Top Plate



II Clevis End

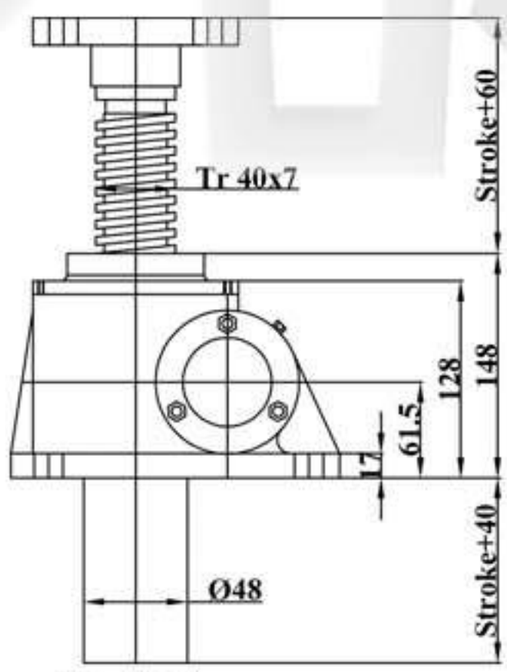


III Plain End

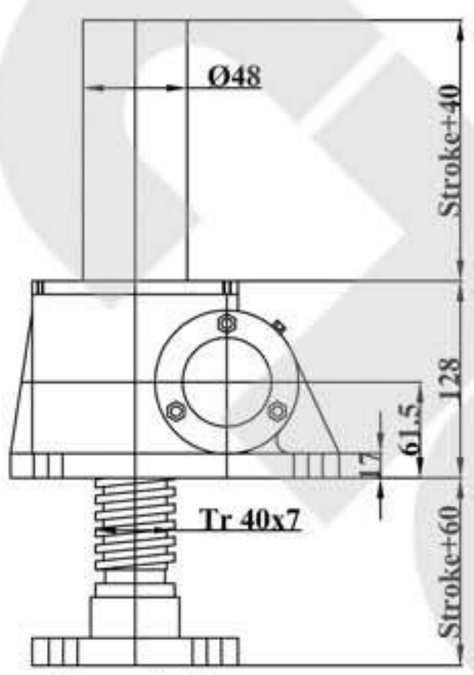


IV Thread End

JTW-5T



Upright



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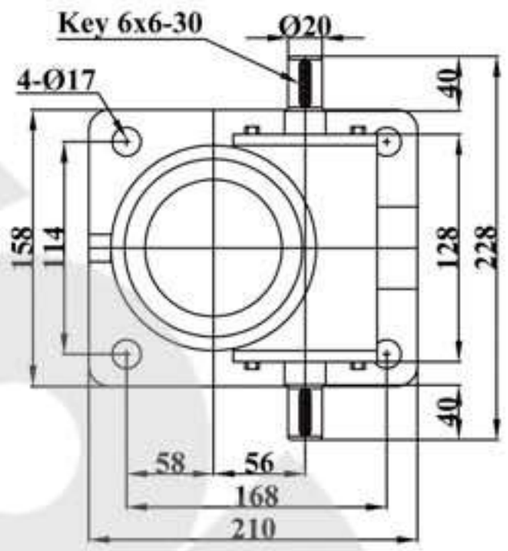
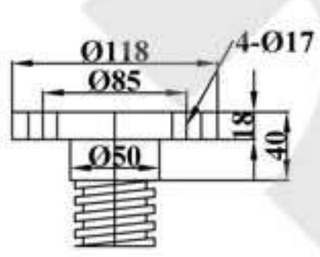


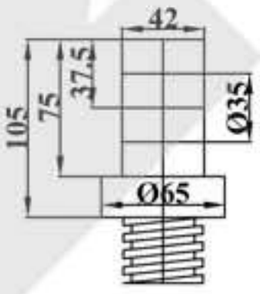
Screw End Types and Dimensions

Upright

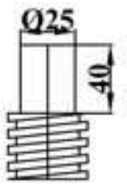
Inverted



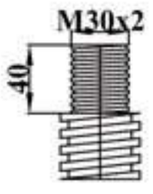
I Top Plate



II Clevis End



III Plain End



IV Thread End

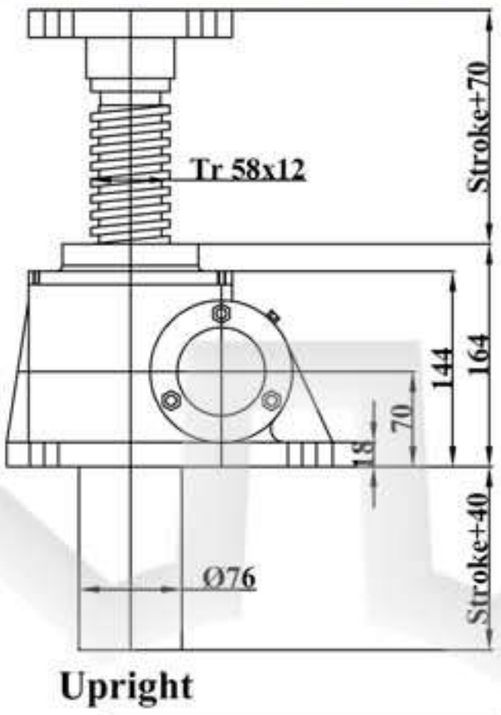
011

*. Dimensions are subject to change without notice

Dimensions

JTW-10T

JTW-15T



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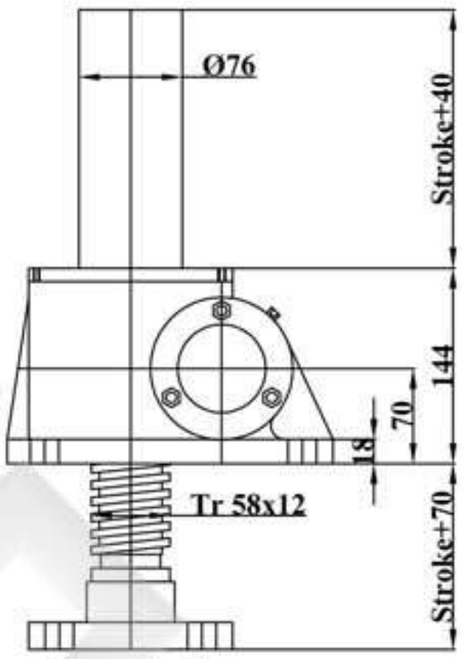

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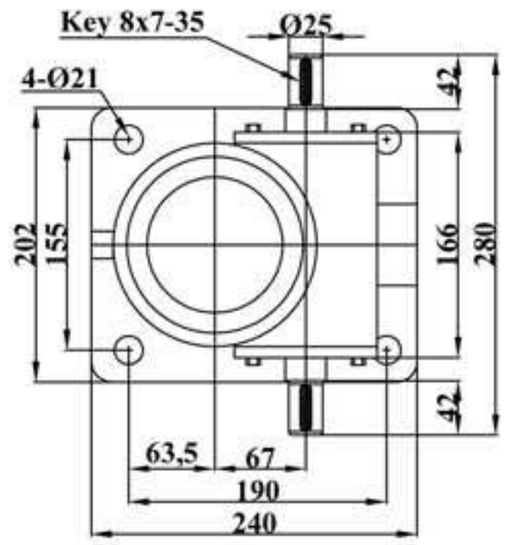
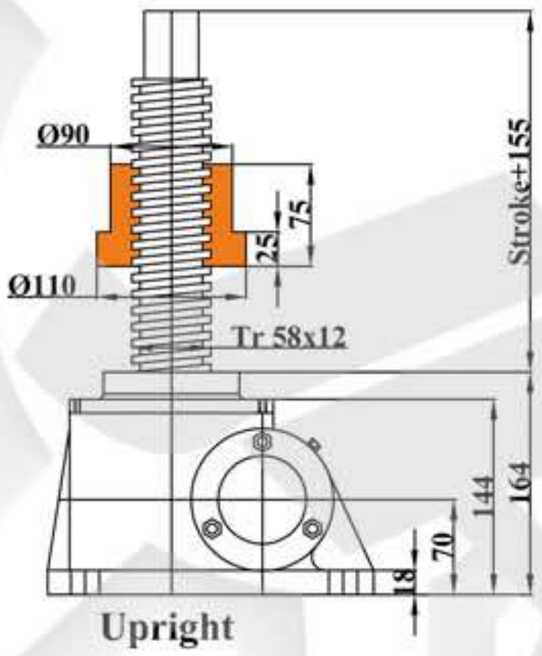
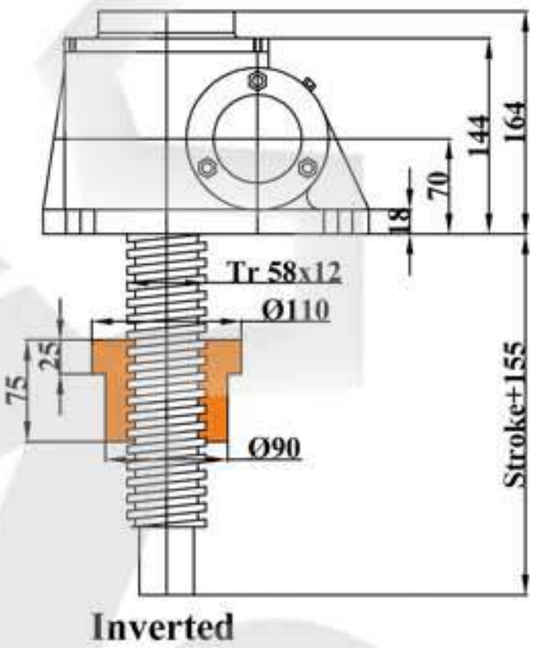


Screw End Types and Dimensions



Upright



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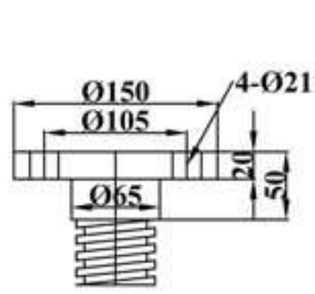
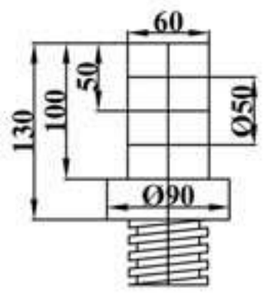
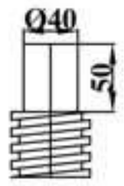


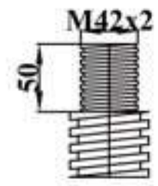
I Top Plate



II Clevis End

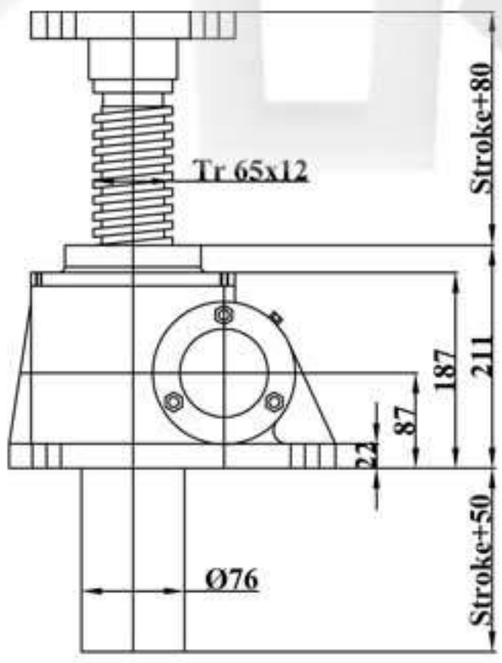


III Plain End

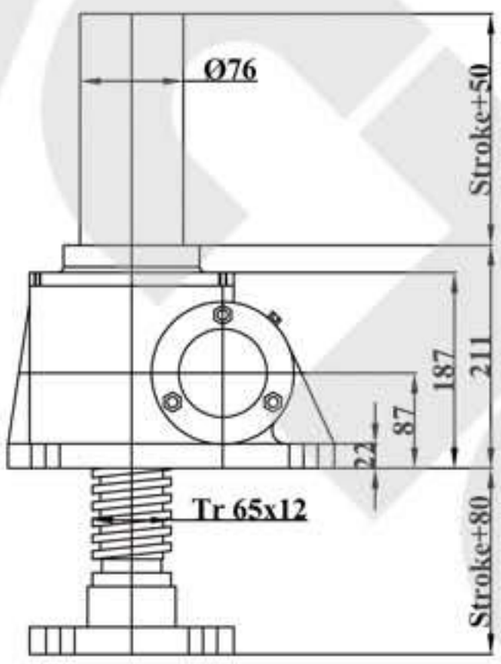


IV Thread End

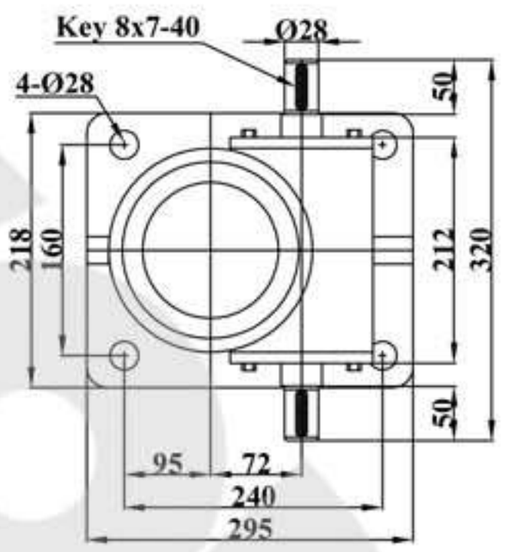
JTW-20T



Upright



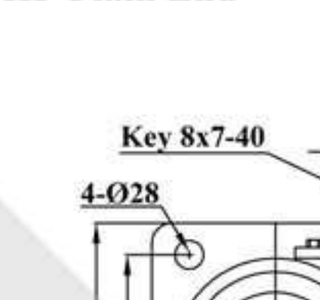
Inverted



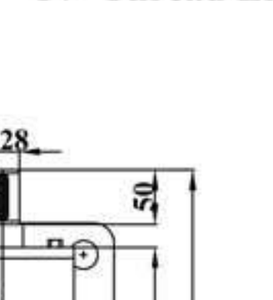
Screw End Types and Dimensions

Upright

Inverted



I Top Plate



II Clevis End

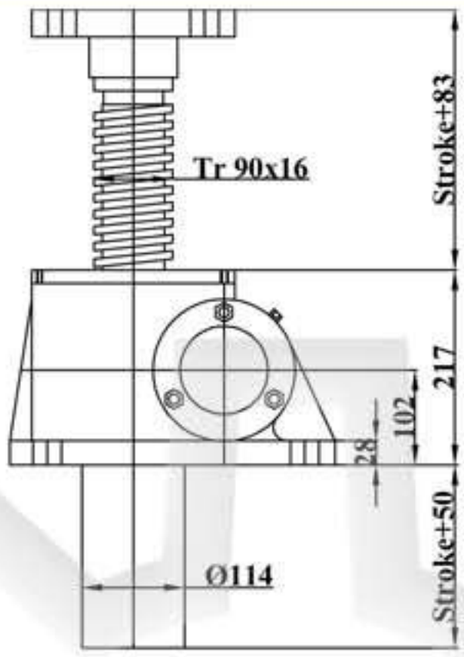
III Plain End

IV Thread End

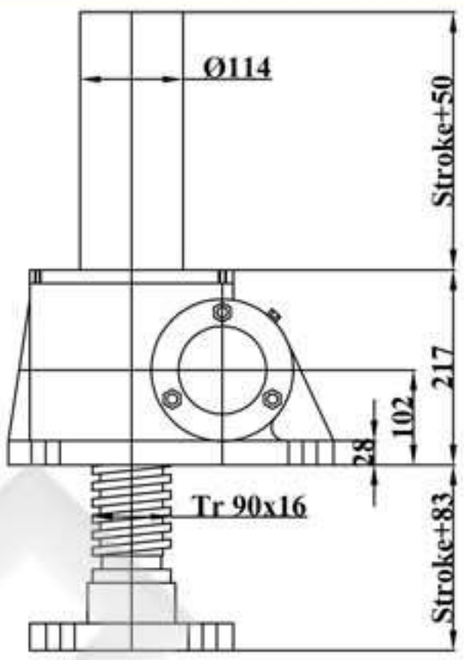
*. Dimensions are subject to change without notice

Dimensions

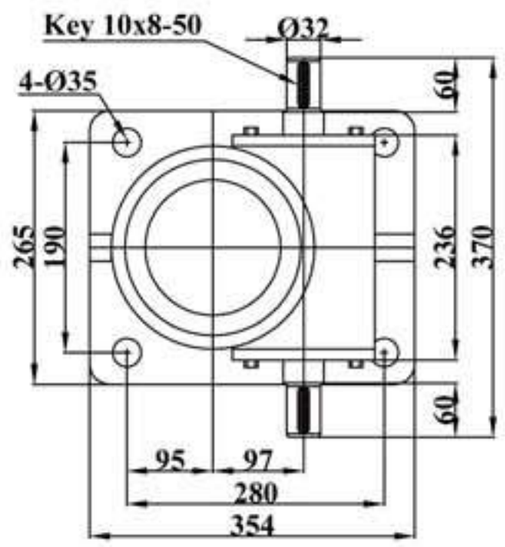
JTW-25T



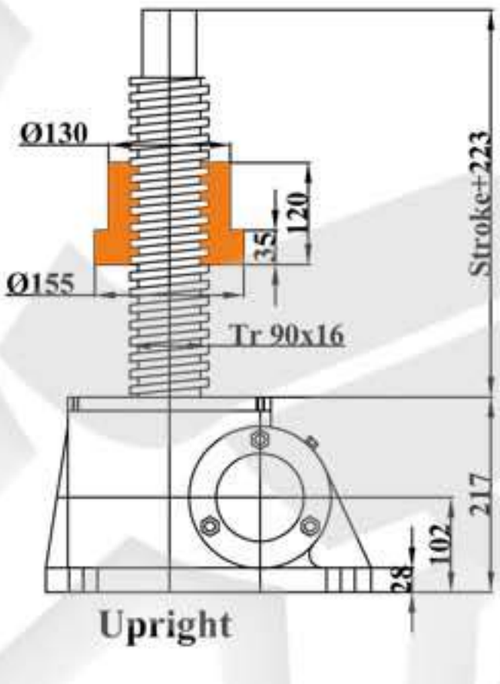
Upright



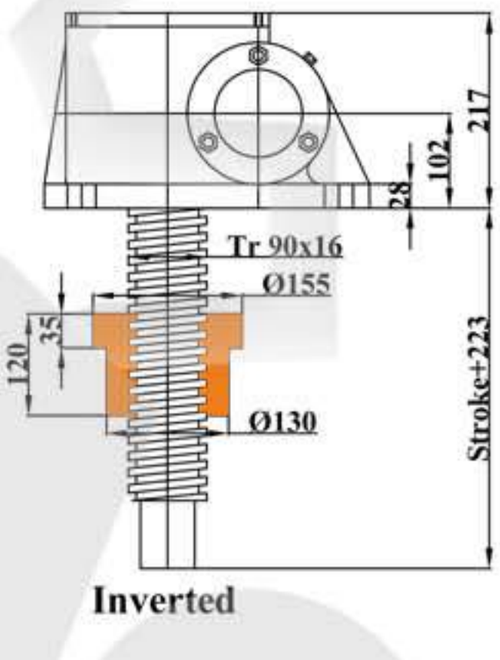
Inverted



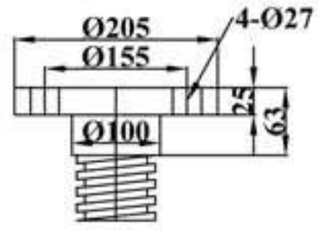
Screw End Types and Dimensions



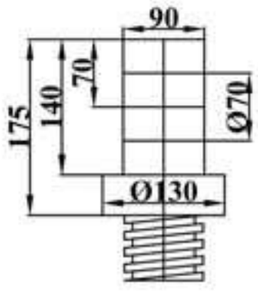
Upright



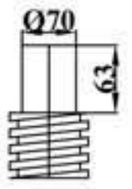
Inverted



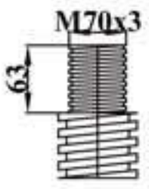
I Top Plate



II Clevis End

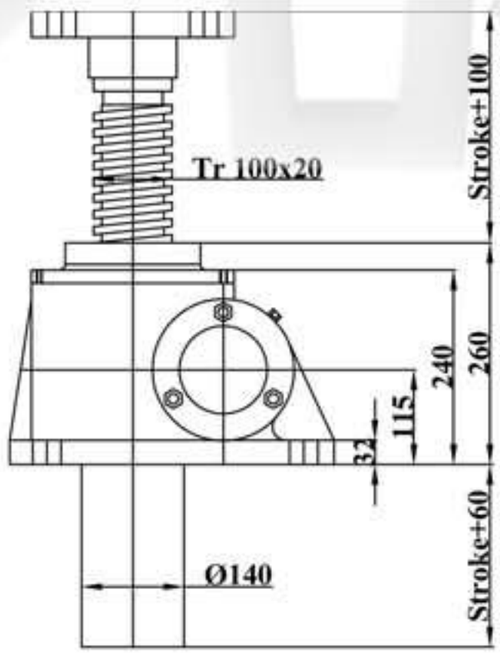


III Plain End

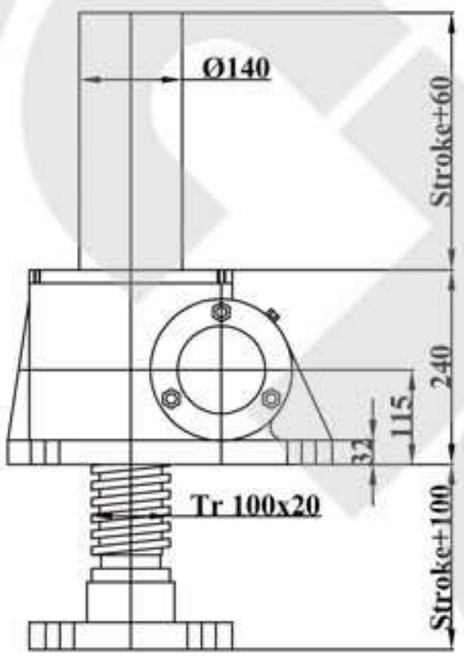


IV Thread End

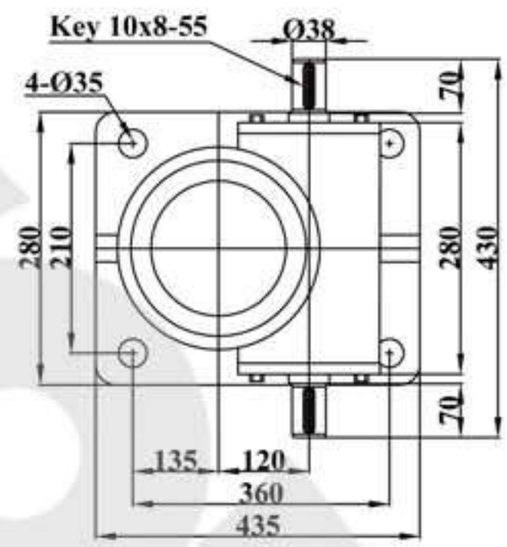
JTW-35T



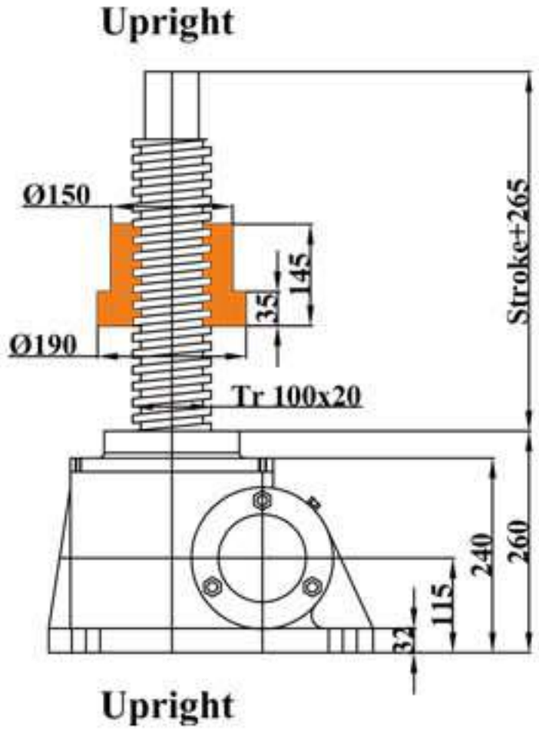
Upright



Inverted



Screw End Types and Dimensions



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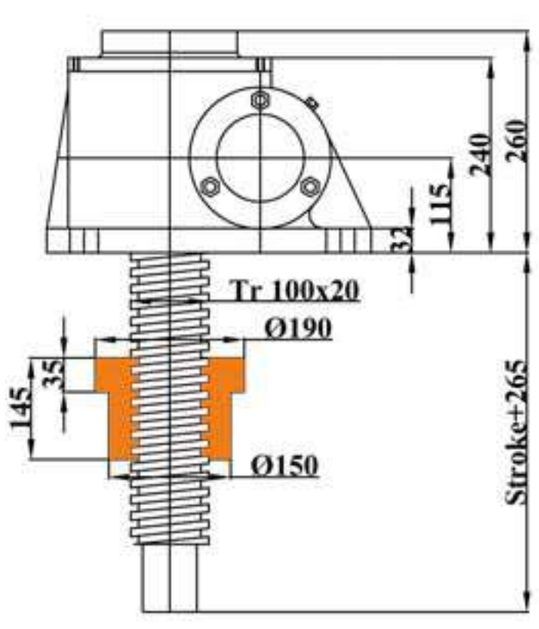

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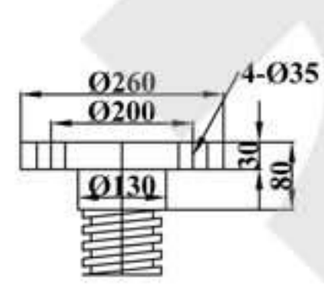
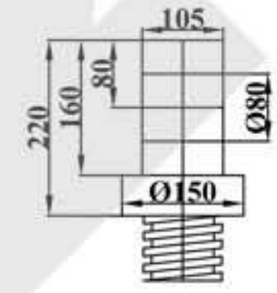
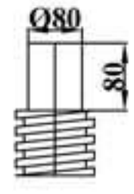


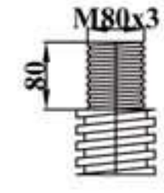
I Top Plate



II Clevis End



III Plain End

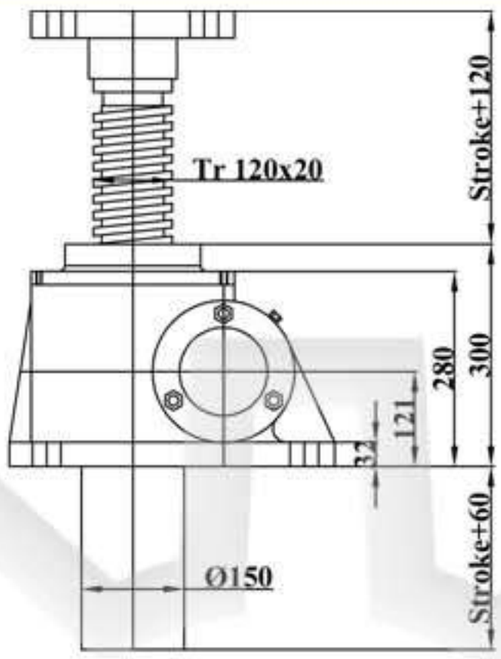


IV Thread End

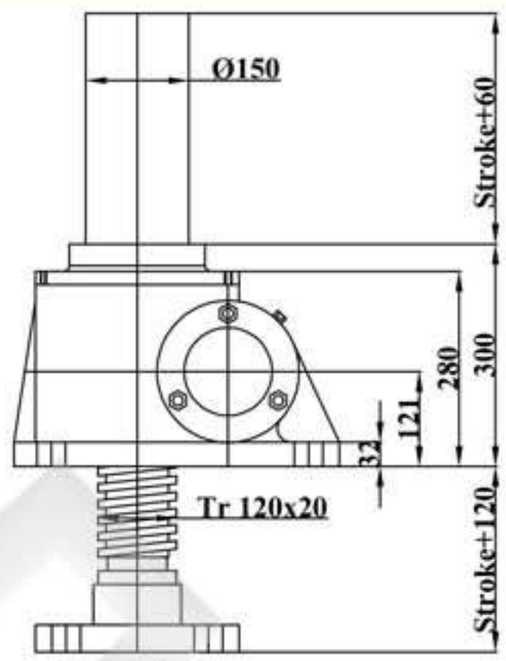
*. Dimensions are subject to change without notice

Dimensions

JTW-50T



Upright



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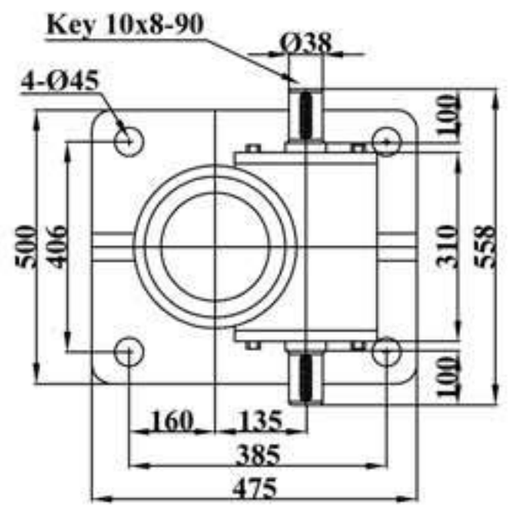
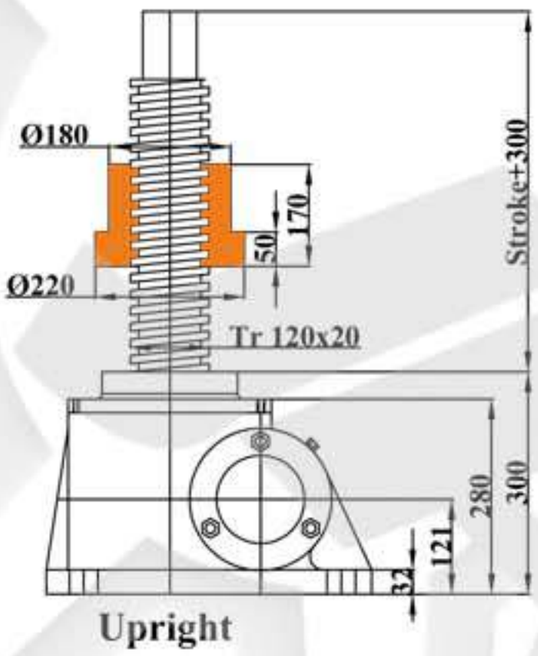
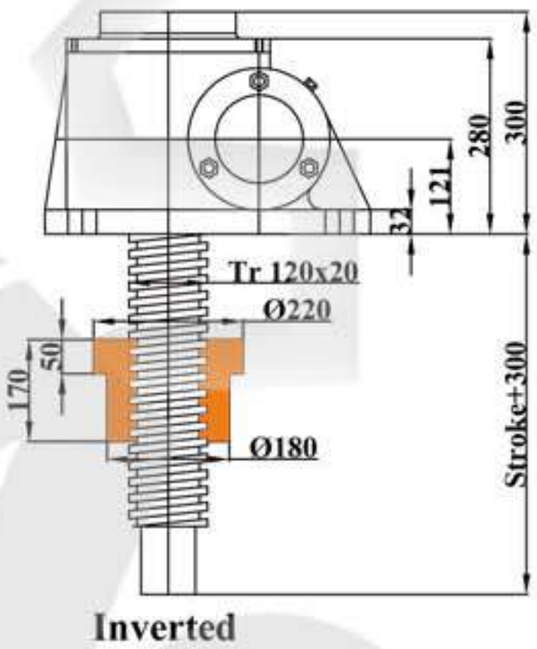


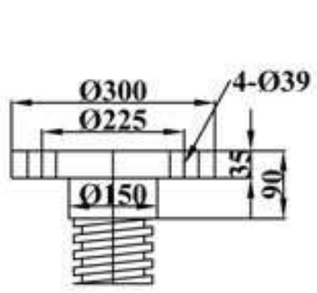
Screw End Types and Dimensions



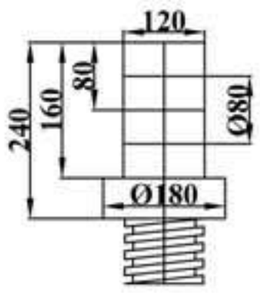
Upright



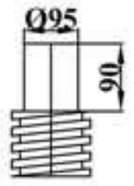
Inverted



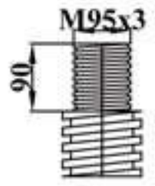
I Top Plate



II Clevis End

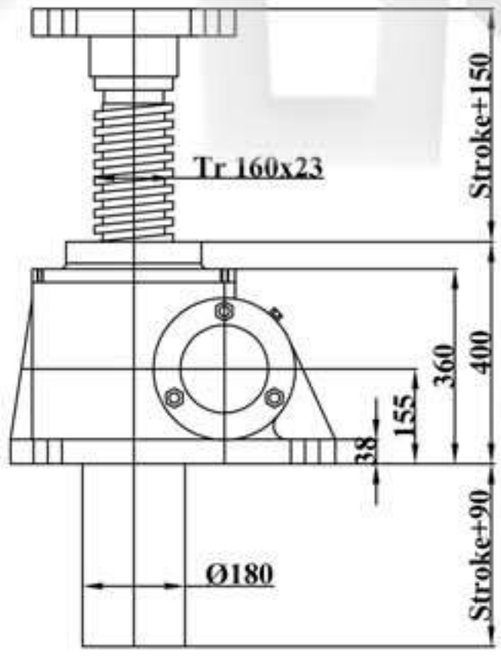


III Plain End

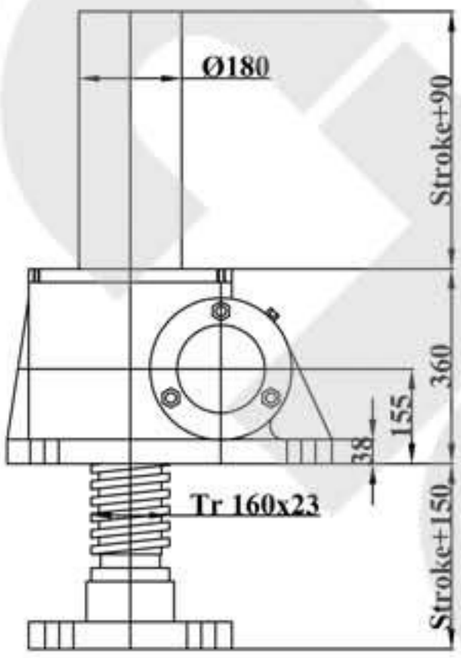


IV Thread End

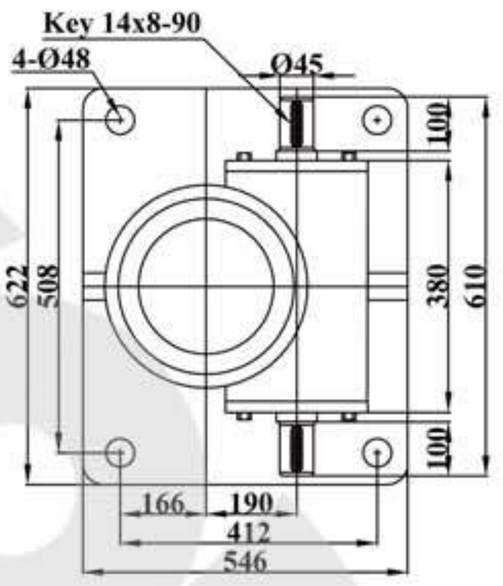
JTW-100T



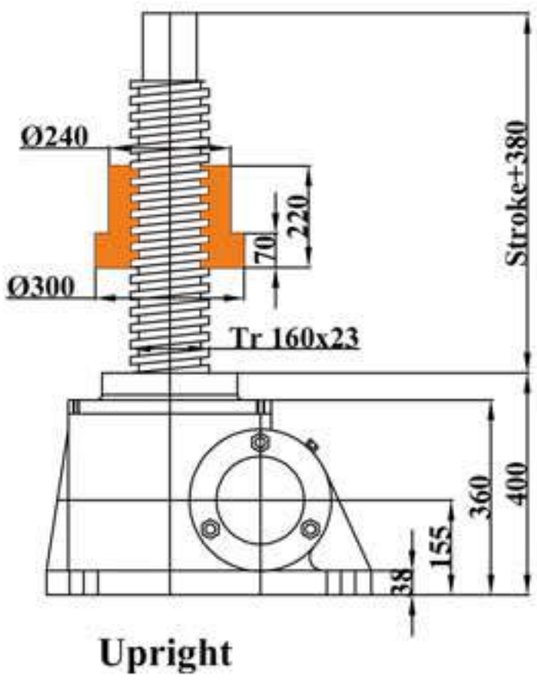
Upright



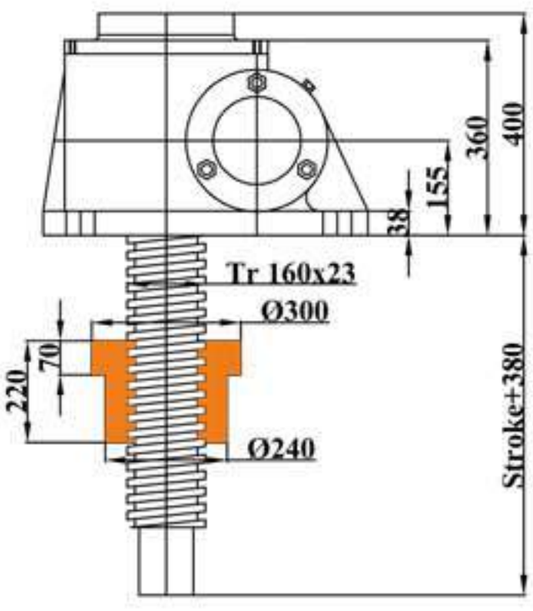
Inverted



Screw End Types and Dimensions



Upright



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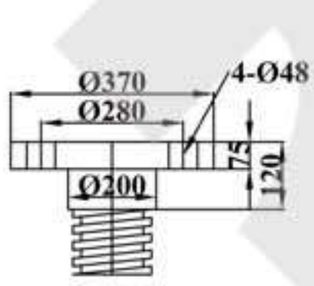
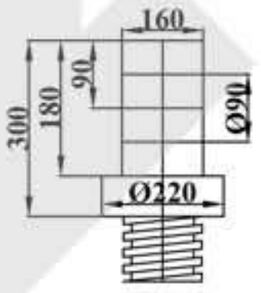
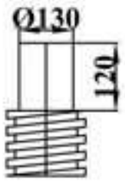


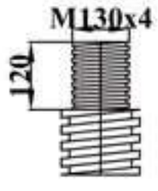
I Top Plate



II Clevis End



III Plain End



IV Thread End

*. Dimensions are subject to change without notice