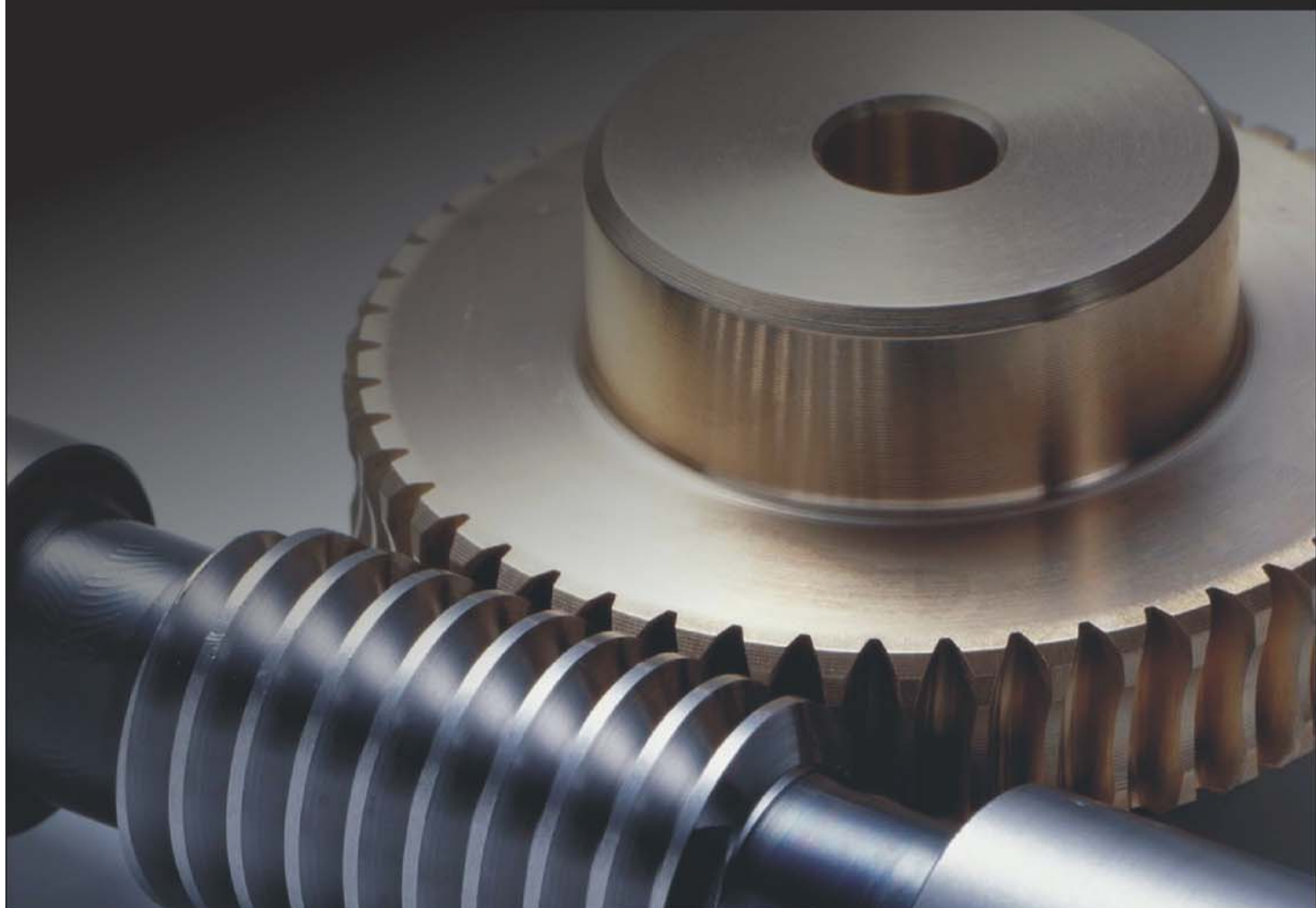




螺升螺旋升降器

NOSEN Screwjack





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* Company

COMPANY HISTORY:

In 2003, established Yuanxin Mechanical&Electrical Accessory Shop, Located In Houjie town, Dongguan city, Guangdong Province.

In 2005, named NOSEN Mechanical&Electrical Factory, located in Chang'an town, Dongguan city, Guangdong province.

In 2006, established Shanghai NOSEN Mechanical&Electrical Equipment Co., Ltd.

In 2007, named Dongguan Mechanical&Electrical Equipment Co., Ltd.

In 2007, founded International Sales Department.

In 2008, established NOSEN International Industry(HK) Limited.

In 2008, Dongguan Mechanical&Electrical Equipment Co., Ltd moves to Houjie town, Dongguan city.

In 2009, NOSEN passed SGS international Certification.

In 2010, NOSEN passed ISO9001:2008 quality management systems certifications. Certificate No.104679.

In 2011, NOSEN named NOSEN M&E TECHNOLOGY CO., LTD

PRODUCTS HISTORY:

In 2003 R&D, Production and Sale 12 models Worm Gear Screw Jack RN-Series Trapezoidal Screw Jacks and Sale Taiwan, Japan Power Transmission Products.

In 2005, R&D, Production and Sale 7 models Worm Gear Screw Jack RNK-Series Ball Screw Jacks and 10 models Spiral Bevel Gearboxes.

In 2006, R&D, Production and Sale 8 models RNE Series Stainless Steel Vertical Agitator.

In 2009, R&D, Production and Sale Worm Gear Screw Jack RNS-Series, Patent Right No. 201020105770.X.

In 2010, R&D, Production and Sale Worm Gear Screw Jack RNF-Series. Patent Right No. 20102546844.3.

In 2011, R&D, Production and Sale Spiral Bevel Gearbox RNV-Series.

NOSEN ADVANTAGES:

Professional technicians teams
Competitive Price
Professional
High Quality
The shorted lead time
Small order acceptable
The best before-sale, while-sale and after-sale service
1 years quality warrenty

SALES REGIONS:

European: BE, BG, DK, EG, FI, DE, GR, NL, PL, ES, SE, UK

America: USA, CA

Asia: IN, ID, MY, PH, QA, RU, SG, TH, VN

Oceania: AU, NZ

Africa: EG

REPRESENTATIVES COUNTRIES: DE, PL



* Introduction

NOSEN R&D, production & sales a new Europe-type RNF-Series worm gear screw jack, Cubical gearbox, small&compact appearance, installation sizes is the same as Europe famous brand screw jack suppliers like Zimm, Pfaff-silberblau, Grob GmbH, Inkoma, Servomech, Unimec, Thomson Linear etc.

Model: RNF016, RNF018, RNF020, RNF030, RNF040, RNF055, RNF060, RNF070, RNF080, RNF100, RNF120.

Used wherever precisely controlled lifting, lowering, pushing, pulling and rolling movements are required in an efficient and reliable operation. They can be flexibly configured, either being installed as single units, in pairs or multiple jacks systems and can be driven by electric or manually, fully synchronization.

Speed of Travel

* Fast Speed N

1 turn 1 mm travel

1500 mm/min

* Low Speed L

1 turn 0.25 mm travel

375 mm/min

Tolerance & Backlash

Trapezoidal-type screw axial backlash 0.15 mm, radial backlash 0.2 mm, lifting screw outer diameter and sleeve diameter free backlash 0.2 mm. Ball screw backlash depends on different accuracy rated.

Worm shaft&worm gear play, high speed(N), worm shaft backlash ± 3 degrees, Low speed(L), ± 5 degrees.

Lateral Force

Usually, screw jack only loads lift screw axial loading, don't permit to load any lateral force. Any lateral force will reduce screw jack working life, even damage screw jack. We suggest, lateral forces that may occur should be taken by an external guide rail.

Self-locking Function

RNF Series Trapezoidal type screw is of self-locking. The self-locking function depends on a variety of parameters: Large pitches, Different gear ratios, Lubrication, Friction parameters, Ambient influences(such as high or low temperatures) , vibrations and mounting position.

Ball screw with large pitches are consequently not self-locking. Suitable brakes or braking motors must therefore be considered in such cases. Limited self-locking can be assumed for smaller pitches (single-start).

Anti-rotation Devices

Single screw jack application, isn't guided and without any guide rails, lifting screw does not do linear motions, only rotation, especially light loading. If that is the case, need to extra add anti-rotation devices or use NOSEN keyed screw jack to prevent lifting screw rotation.

Stop Collar

Prevents the screw from being removed from the jack gearbox. Following clients requirement, we fit stop collar for screw jacks. The stop collar cannot be used as a fixed stop.

Accessory:

bevel gearboxes, hand wheel, electric motor, travel nut, protective tube, rubber bellows, limited switches, couplings, linking shaft, trunnion base etc.

Application Industries:

Precision lift table, Roll forming machines, Tunnel Freezer, Satellite dish antenna, Solar tracking system, Sluice gate, Theatre stage, Slitting line, Precision leveler, Powered straightener etc.



* Technical Datasheet

NOSEN Worm Gear Screw Jacks RNF-Series											
Model	RNF016	RNF018	RNF020	RNF030	RNF040	RNF055	RNF060	RNF070	RNF080	RNF100	RNF120
Max static load (kN)	2.5	5	10	25	50	100	150	200	250	350	500
Lifting screw,Tr	16*4	18*4	20*4	30*6	40*7	55*9	60*9	70*10	80*10	100*10	120*14
Ratio,Normal N	4:1	4:1	4:1	6:1	7:1	9:1	9:1	10:1	10:1	10:1	14:1
Stroke per turn (mm)	1										
Total efficiency %	38	31	29	29	26	24	23	22	20	19	19
Max work torque (N.m)	1.0	2.547	5.412	10.760	29.923	52.016	95.500	143.250	194.820	287.453	410.650
Ratio,Low L	16:1	16:1	16:1	24:1	28:1	36:1	36:1	40:1	40:1	40:1	56:1
Stroke per turn (mm)	0.25										
Total efficiency %	30	25	23	23	21	19	18	17	15	15	15
Max work torque (N.m)	0.5	0.828	1.719	3.183	9.550	16.426	32.470	47.750	70.033	91.027	140.067

RNF018		Lifting Force (kN)																
		5 kN				4 kN				3 kN				1 kN				
Lift Speed (mm/s)		Gear Ratio				Gear Ratio				Gear Ratio				Gear Ratio				
		N		L		N		L		N		L		N		L		
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	2.547	0.400	0.828	0.130	2.040	0.320	0.650	0.098	1.530	0.240	0.450	0.070	0.446	0.070	0.159	0.025
1000	16.667	4.167	2.483	0.260	0.764	0.080	2.000	0.210	0.570	0.060	1.520	0.160	0.470	0.049	0.478	0.050	0.153	0.016
750	12.500	3.125	2.547	0.200	0.891	0.070	2.040	0.160	0.640	0.050	1.550	0.120	0.510	0.040	0.497	0.039	0.166	0.013
500	8.333	2.083	2.483	0.130	0.955	0.050	2.100	0.110	0.760	0.040	1.600	0.080	0.560	0.030	0.497	0.026	0.191	0.010
300	5.000	1.250	2.547	0.080	0.955	0.030	2.230	0.070	1.000	0.030	1.550	0.048	0.640	0.020	0.478	0.015	0.223	0.007
100	1.667	0.417	2.865	0.030	0.955	0.010	2.870	0.030	1.000	0.010	1.540	0.016	0.960	0.010	0.573	0.006	0.191	0.002
50	0.833	0.208	3.820	0.020	1.910	0.010	1.910	0.010	1.910	0.010	1.910	0.010	1.910	0.010	0.573	0.003	0.191	0.001

RNF020			Lifting Force (kN)															
			10 kN				8 kN				5 kN				2 kN			
Lift Speed (mm/s)		Gear Ratio		Gear Ratio		Gear Ratio		Gear Ratio										
		N	L	N	L	N	L	N	L									
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	5.412	0.850	1.719	0.270	4.304	0.676	0.127	0.020	2.547	0.400	0.828	0.130	0.891	0.140	0.318	0.050
1000	16.667	4.167	5.348	0.560	1.719	0.180	4.298	0.450	1.337	0.140	2.674	0.280	0.764	0.080	1.051	0.110	0.334	0.035
750	12.500	3.125	5.475	0.430	1.783	0.140	4.329	0.340	1.401	0.110	2.547	0.200	0.853	0.067	1.019	0.080	0.344	0.027
500	8.333	2.083	5.348	0.280	1.719	0.090	4.393	0.230	1.528	0.080	2.674	0.140	0.860	0.045	1.070	0.056	0.382	0.020
300	5.000	1.250	5.412	0.170	1.910	0.060	4.457	0.140	1.592	0.050	2.547	0.080	0.955	0.030	1.082	0.034	0.318	0.010
100	1.667	0.417	5.730	0.060	1.719	0.018	4.775	0.050	1.910	0.020	2.674	0.028	0.955	0.010	1.146	0.012	0.478	0.005
50	0.833	0.208	5.730	0.030	1.719	0.009	5.730	0.030	1.910	0.010	2.674	0.014	1.910	0.010	1.337	0.007	0.573	0.003

RNF030			Lifting Force (kN)															
			20 kN				15 kN				10 kN				5 kN			
Lift Speed (mm/s)		Gear Ratio		Gear Ratio		Gear Ratio		Gear Ratio										
		N	L	N	L	N	L	N	L									
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	10.760	1.690	3.183	0.500	8.277	1.300	2.483	0.390	5.093	0.800	1.655	0.260	2.547	0.400	0.828	0.130
1000	16.667	4.167	10.505	1.100	3.343	0.350	7.640	0.800	2.483	0.260	4.775	0.500	1.690	0.177	2.674	0.280	0.764	0.080
750	12.500	3.125	10.187	0.800	3.438	0.270	7.640	0.600	2.547	0.200	5.093	0.400	1.694	0.133	2.547	0.200	0.891	0.070
500	8.333	2.083	11.460	0.600	3.438	0.180	8.213	0.430	2.865	0.150	5.348	0.280	1.910	0.100	2.674	0.140	0.860	0.045
300	5.000	1.250	11.142	0.350	3.820	0.120	8.277	0.260	3.183	0.100	5.412	0.170	2.228	0.070	2.706	0.085	0.860	0.027
100	1.667	0.417	12.415	0.130	4.775	0.050	9.550	0.100	2.865	0.030	6.208	0.065	1.910	0.020	2.674	0.028	0.955	0.010
50	0.833	0.208	11.460	0.060	5.730	0.030	9.550	0.050	5.730	0.030	6.303	0.033	3.247	0.017	2.865	0.015	1.719	0.009

RNF040			Lifting Force (kN)															
			50 kN				35 kN				25 kN				10 kN			
N	Lift Speed (mm/s)		Gear Ratio				Gear Ratio				Gear Ratio				Gear Ratio			
			N		L		N		L		N		L		N		L	
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	29.923	4.700	9.550	1.500	21.010	3.300	6.367	1.000	14.643	2.300	4.457	0.700	5.730	0.900	1.846	0.290
1000	16.667	4.167	29.605	3.100	8.595	0.900	19.100	2.000	5.730	0.600	14.325	1.500	4.584	0.480	5.730	0.600	1.815	0.190
750	12.500	3.125	29.287	2.300	8.913	0.700	20.373	1.600	6.367	0.500	14.007	1.100	4.584	0.360	5.985	0.470	1.910	0.150
500	8.333	2.083	28.650	1.500	10.505	0.550	21.010	1.100	6.494	0.340	14.898	0.780	4.775	0.250	5.730	0.300	1.910	0.100
300	5.000	1.250	31.833	1.000	11.778	0.370	22.283	0.700	6.685	0.210	15.917	0.500	5.093	0.160	6.367	0.200	2.228	0.070
100	1.667	0.417	30.560	0.320	14.325	0.150	23.875	0.250	9.550	0.100	15.280	0.160	5.253	0.055	6.685	0.070	2.388	0.025
50	0.833	0.208	30.560	0.160	17.190	0.090	24.830	0.130	9.550	0.050	19.100	0.100	9.550	0.050	5.730	0.030	3.820	0.020

RNF055			Lifting Force (kN)															
			80 kN				60 kN				40 kN				20 kN			
	Lift Speed (mm/s)		Gear Ratio				Gear Ratio				Gear Ratio				Gear Ratio			
			N		L		N		L		N		L		N		L	
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	52.016	8.170	16.426	2.580	39.155	6.150	12.351	1.940	26.040	4.090	8.277	1.300	13.052	2.050	4.138	0.650
1000	16.667	4.167	52.048	5.450	16.426	1.720	39.012	4.085	12.320	1.290	26.263	2.750	8.213	0.860	12.988	1.360	4.298	0.450
750	12.500	3.125	52.079	4.090	16.426	1.290	38.964	3.060	12.351	0.970	26.103	2.050	8.277	0.650	13.370	1.050	4.202	0.330
500	8.333	2.083	51.570	2.700	16.426	0.860	39.155	2.050	12.415	0.650	26.167	1.370	8.595	0.450	13.370	0.700	4.775	0.250
300	5.000	1.250	50.933	1.600	17.508	0.550	39.155	1.230	12.415	0.390	26.103	0.820	9.550	0.300	14.325	0.450	4.775	0.150
100	1.667	0.417	52.525	0.550	19.100	0.200	42.975	0.450	14.325	0.150	28.650	0.300	8.595	0.090	14.325	0.150	4.775	0.050
50	0.833	0.208	57.300	0.300	17.190	0.090	47.750	0.250	19.100	0.100	28.650	0.150	9.550	0.050	13.370	0.070	5.730	0.030

RNF060			Lifting Force (kN)															
			150 kN				120 kN				100 kN				50 kN			
Lift Speed (mm/s)		Gear Ratio		Gear Ratio		Gear Ratio		Gear Ratio										
		N	L	N	L	N	L	N	L									
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	95.500	15.000	32.470	5.100	81.493	12.800	6.940	1.090	67.805	10.650	22.283	3.500	35.017	5.500	10.823	1.700
1000	16.667	4.167	105.050	11.000	33.425	3.500	81.175	8.500	26.740	2.800	71.625	7.500	21.965	2.300	34.380	3.600	11.460	1.200
750	12.500	3.125	101.867	8.000	33.107	2.600	82.767	6.500	26.103	2.050	70.033	5.500	21.647	1.700	34.380	2.700	10.823	0.850
500	8.333	2.083	105.050	5.500	32.470	1.700	85.950	4.500	25.976	1.360	67.805	3.550	22.920	1.200	34.380	1.800	11.460	0.600
300	5.000	1.250	101.867	3.200	35.017	1.100	82.767	2.600	26.103	0.820	70.033	2.200	22.283	0.700	34.062	1.070	11.142	0.350
100	1.667	0.417	105.050	1.100	33.425	0.350	85.950	0.900	26.740	0.280	71.625	0.750	21.010	0.220	34.380	0.360	14.325	0.150
50	0.833	0.208	105.050	0.550	38.200	0.200	95.500	0.500	28.650	0.150	76.400	0.400	28.650	0.150	38.200	0.200	19.100	0.100

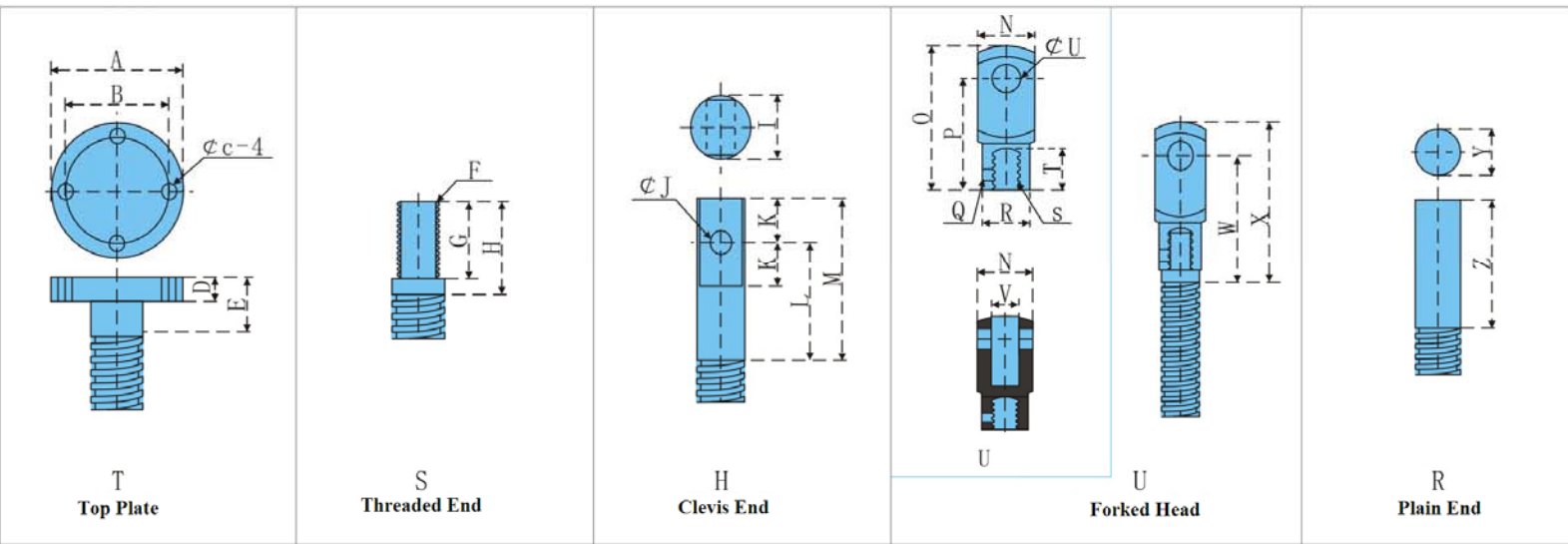
RNF070			Lifting Force (kN)															
			200 kN				150 kN				100 kN				50 kN			
Lift Speed (mm/s)		Gear Ratio		Gear Ratio		Gear Ratio		Gear Ratio										
		N	L	N	L	N	L	N	L									
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	143.250	22.500	47.750	7.500	106.323	16.700	35.017	5.500	70.033	11.000	22.920	3.600	35.653	5.600	11.460	1.800
1000	16.667	4.167	143.250	15.000	47.750	5.000	105.050	11.000	34.380	3.600	71.625	7.500	23.875	2.500	35.335	3.700	11.460	1.200
750	12.500	3.125	140.067	11.000	47.113	3.700	108.233	8.500	34.380	2.700	71.307	5.600	22.920	1.800	35.653	2.800	1.273	0.100
500	8.333	2.083	143.250	7.500	47.750	2.500	106.960	5.600	34.380	1.800	70.670	3.700	22.920	1.200	35.335	1.850	11.460	0.600
300	5.000	1.250	143.250	4.500	47.750	1.500	111.417	3.500	35.017	1.100	73.217	2.300	23.875	0.750	36.608	1.150	11.778	0.370
100	1.667	0.417	143.250	1.500	47.750	0.500	114.600	1.200	35.335	0.370	71.625	0.750	23.875	0.250	35.335	0.370	14.325	0.150
50	0.833	0.208	143.250	0.750	47.750	0.250	114.600	0.600	38.200	0.200	76.400	0.400	28.650	0.150	38.200	0.200	19.100	0.100

RNF080			Lifting Force (kN)															
			250 kN				200 kN				150 kN				80 kN			
RPM	Lift Speed (mm/s)		Gear Ratio				Gear Ratio				Gear Ratio				Gear Ratio			
			N		L		N		L		N		L		N		L	
	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	194.820	30.600	70.033	11.000	159.167	25.000	52.207	8.200	117.783	18.500	41.383	6.500	63.667	10.000	21.010	3.300
1000	16.667	4.167	195.775	20.500	64.940	6.800	162.350	17.000	52.525	5.500	114.600	12.000	39.155	4.100	62.075	6.500	21.010	2.200
750	12.500	3.125	191.000	15.000	64.940	5.100	159.167	12.500	50.933	4.000	117.147	9.200	38.964	3.060	63.667	5.000	21.647	1.700
500	8.333	2.083	210.100	11.000	66.850	3.500	156.620	8.200	53.480	2.800	118.420	6.200	38.200	2.000	63.030	3.300	21.010	1.100
300	5.000	1.250	197.367	6.200	63.667	2.000	159.167	5.000	54.117	1.700	117.783	3.700	47.750	1.500	63.667	2.000	22.283	0.700
100	1.667	0.417	200.550	2.100	66.850	0.700	171.900	1.800	52.525	0.550	124.150	1.300	38.200	0.400	66.850	0.700	28.650	0.300
50	0.833	0.208	200.550	1.050	76.400	0.400	162.350	0.850	57.300	0.300	133.700	0.700	57.300	0.300	66.850	0.350	38.200	0.200

RNF100			Lifting Force (kN)															
			350 kN				300 kN				200 kN				150 kN			
RPM	Lift Speed (mm/s)		Gear Ratio				Gear Ratio				Gear Ratio				Gear Ratio			
			N		L		N		L		N		L		N		L	
	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	287.453	45.150	91.027	14.297	246.388	38.700	78.023	12.255	164.259	25.800	52.015	8.170	123.194	19.350	39.011	6.127
1000	16.667	4.167	287.453	30.100	91.027	9.532	246.388	25.800	78.023	8.170	164.259	17.200	52.015	5.447	123.194	12.900	39.011	4.085
750	12.500	3.125	287.453	22.575	91.027	7.149	246.388	19.350	78.023	6.127	164.259	12.900	52.015	4.085	123.194	9.675	39.011	3.064
500	8.333	2.083	287.453	15.050	91.027	4.766	246.388	12.900	78.023	4.085	164.259	8.600	52.015	2.723	123.194	6.450	39.011	2.042
300	5.000	1.250	287.453	9.030	91.027	2.859	246.388	7.740	78.023	2.451	164.259	5.160	52.015	1.634	123.194	3.870	39.011	1.225
100	1.667	0.417	287.453	3.010	91.027	0.953	246.388	2.580	78.023	0.817	164.259	1.720	52.015	0.545	123.194	1.290	39.011	0.408
50	0.833	0.208	287.453	1.505	91.027	0.477	246.388	1.290	78.023	0.408	164.259	0.860	52.015	0.272	123.194	0.645	39.011	0.204

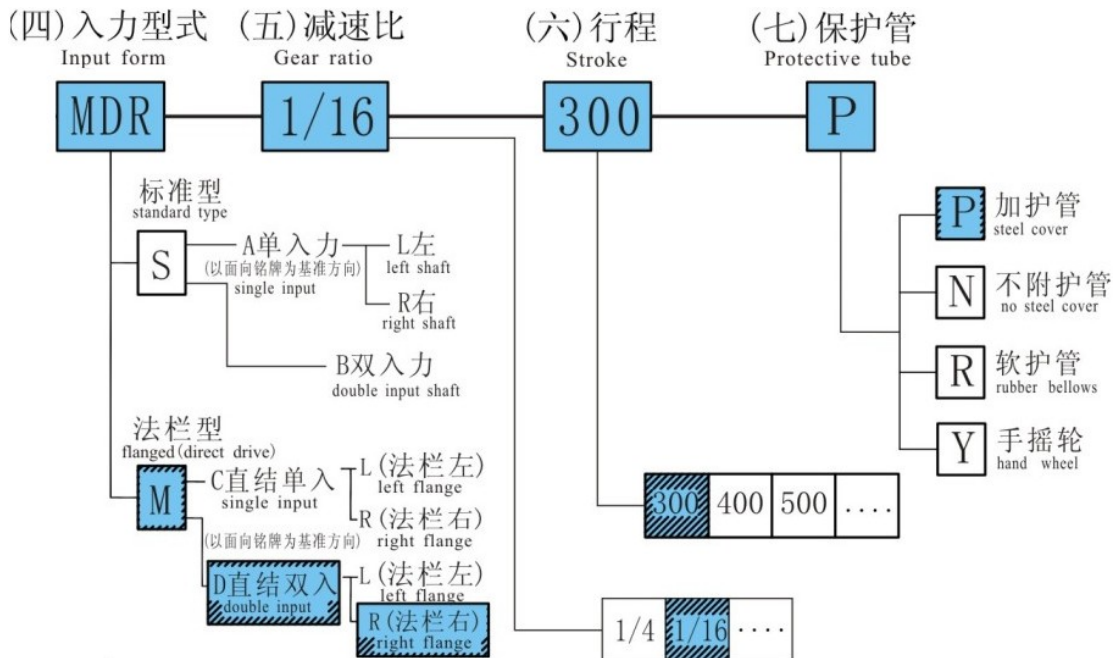
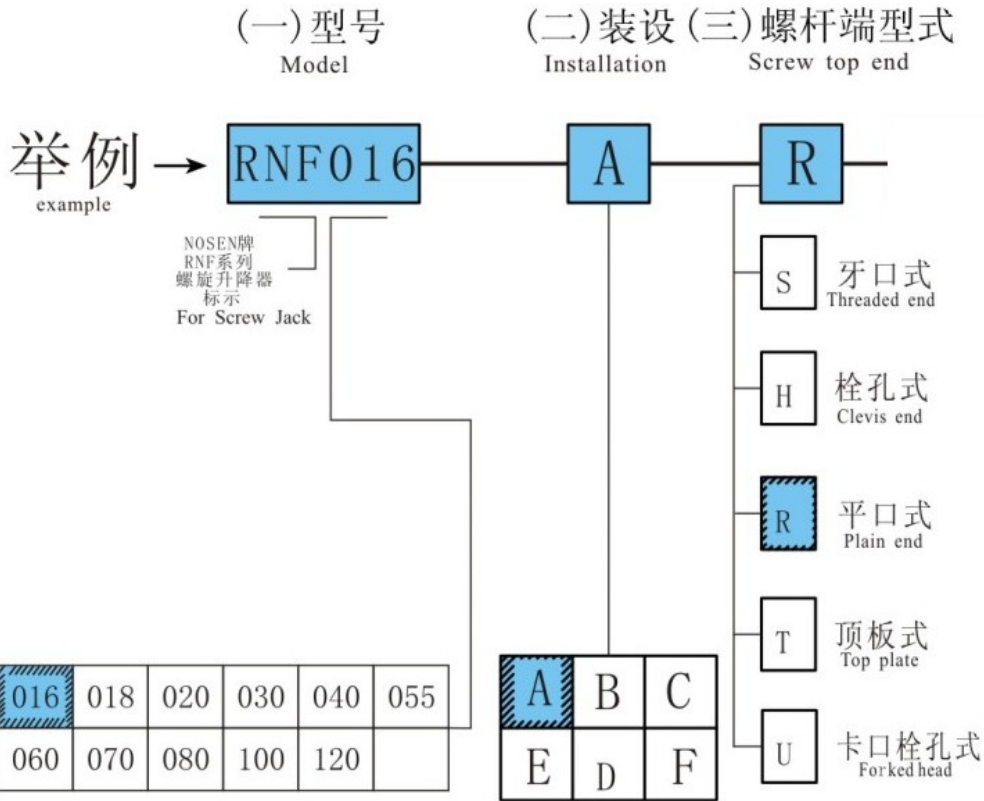
RNF120			Lifting Force (kN)															
			500 kN				350 kN				250 kN				200 kN			
Lift Speed (mm/s)		Gear Ratio		Gear Ratio		Gear Ratio		Gear Ratio										
		N	L	N	L	N	L	N	L									
RPM	N	L	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw	Nm	Kw
1500	25.000	6.250	410.650	64.500	140.067	22.000	286.500	45.000	95.500	15.000	203.733	32.000	70.033	11.000	165.533	26.000	52.207	8.200
1000	16.667	4.167	410.650	43.000	143.250	15.000	286.500	30.000	95.500	10.000	210.100	22.000	66.850	7.000	171.900	18.000	52.525	5.500
750	12.500	3.125	407.467	32.000	140.067	11.000	280.133	22.000	95.500	7.500	203.733	16.000	63.667	5.000	165.533	13.000	50.933	4.000
500	8.333	2.083	420.200	22.000	133.700	7.000	286.500	15.000	95.500	5.000	210.100	11.000	70.670	3.700	164.260	8.600	57.300	3.000
300	5.000	1.250	477.500	15.000	143.250	4.500	318.333	10.000	95.500	3.000	206.917	6.500	63.667	2.000	175.083	5.500	54.117	1.700
100	1.667	0.417	429.750	4.500	143.250	1.500	286.500	3.000	95.500	1.000	210.100	2.200	71.625	0.750	171.900	1.800	52.525	0.550
50	0.833	0.208	420.200	2.200	143.250	0.750	286.500	1.500	95.500	0.500	210.100	1.100	95.500	0.500	191.000	1.000	57.300	0.300

* Screw Top End Types Dimensions



型号 Model	016	018	020	030	040	055	060	070	080	100	120
A	60	70	70	98	114	148	178	188	218	248	358
B	40	55	55	80	90	110	125	140	170	200	280
C	8	8	8	10	12	14	21	21	25	27	27
D	8	10	10	13	13	20	25	28	30	32	35
E	20	20	20	30	30	50	55	65	70	75	100
F	12*1.5	12*1.5	12*1.5	22*2	28*2	32*2	42*2	56*2	64*2	76*2	80*2
G	20	25	25	32	35	40	55	65	70	75	100
H	30	30	30	50	50	60	80	80	100	120	150
I	6	16	16	20	25	36	44	56	60	70	80
J	6	8	8	14	16	24	26	35	38	45	55
K	10	15	15	25	25	32	35	44	54	64	70
L	20	40	40	65	65	95	114	135	150	165	200
M	30	55	55	90	90	127	149	179	204	229	270
N	19	24	24	40	60	70	85	105	130	160	195
O	50	62	62	105	160	188	232	285	350	430	530
P	38	48	48	80	120	144	168	195	255	295	345
Q	M5	M5	M5	M6	M6	M8	M8	M8	M8	M8	M8
R	16	20	20	34	52	60	70	85	95	110	130
S	M10*1.5	M12*1.5	M12*1.5	M22*2	M28*2	M32*2	M42*2	M56*2	M64*2	M76*2	M80*2
T	14	18	18	30	42	54	63	73	85	100	115
U	10	12	12	20	30	35	42	50	60	70	80
V	10	12	12	20	30	36	42	50	60	70	80
W	43	53	53	98	135	164	193	210	285	340	395
X	55	67	67	123	175	208	257	300	380	475	580
Y	16	18	20	30	40	55	60	70	80	100	120
Z	30	50	50	65	65	65	70	75	95	114	140

* Selection Guide

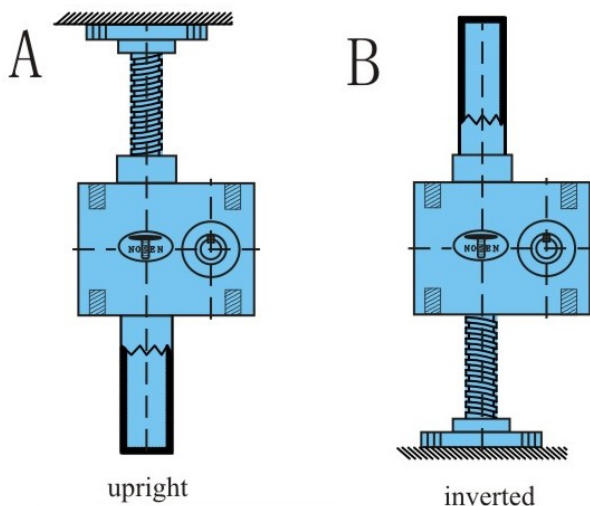


1. Model

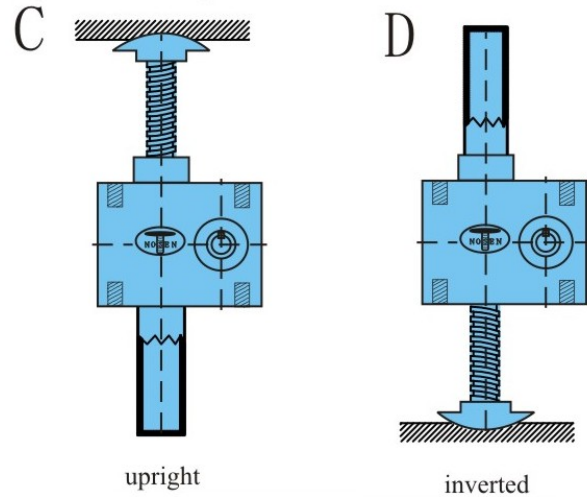
NOSEN Worm Gear Screw Jacks RNF-Series											
Model	RNF016	RNF018	RNF020	RNF030	RNF040	RNF055	RNF060	RNF070	RNF080	RNF100	RNF120
Max static load (kN)	2.5	5	10	25	50	100	150	200	250	350	500
Lifting screw, Tr	16*4	18*4	20*4	30*6	40*7	55*9	60*9	70*10	80*10	100*10	120*14
Ratio, Normal N	4:1	4:1	4:1	6:1	7:1	9:1	9:1	10:1	10:1	10:1	14:1
Stroke per turn (mm)	1										
Total efficiency %	38	31	29	29	26	24	23	22	20	19	19
Max work torque (N.m)	1.0	2.547	5.412	10.760	29.923	52.016	95.500	143.250	194.820	287.453	410.650
Ratio, Low L	16:1	16:1	16:1	24:1	28:1	36:1	36:1	40:1	40:1	40:1	56:1
Stroke per turn (mm)	0.25										
Total efficiency %	30	25	23	23	21	19	18	17	15	15	15
Max work torque (N.m)	0.5	0.828	1.719	3.183	9.550	16.426	32.470	47.750	70.033	91.027	140.067

2. Installation

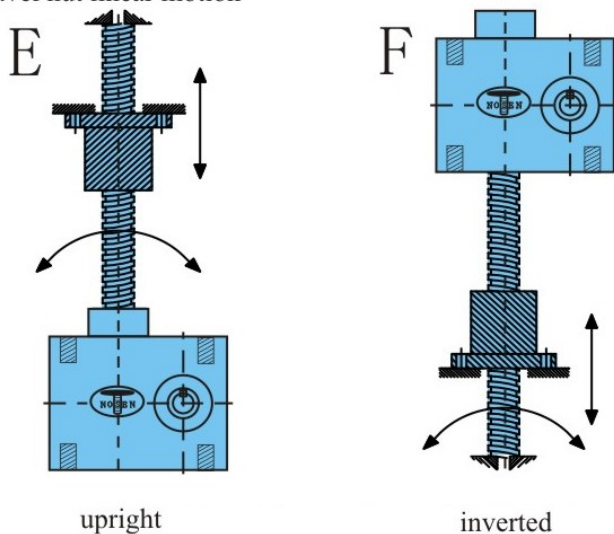
Translating screw: lifting screw rotation and do linear motion



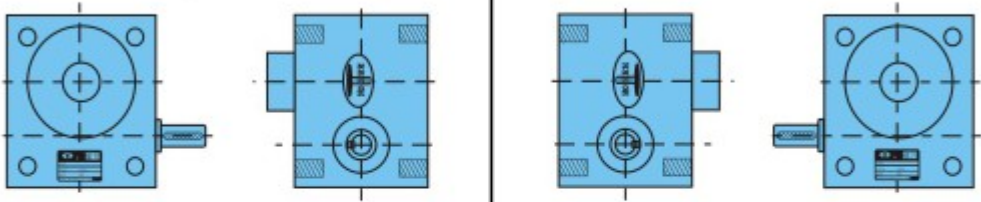
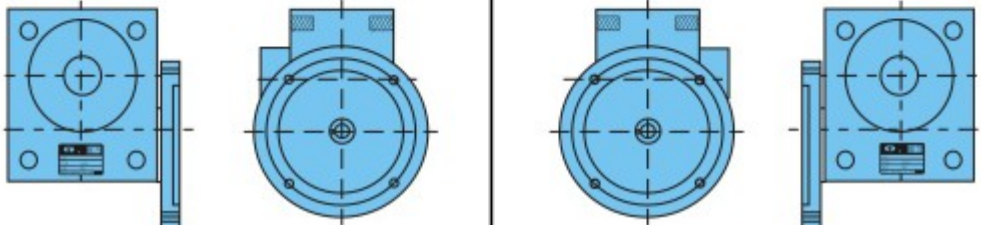
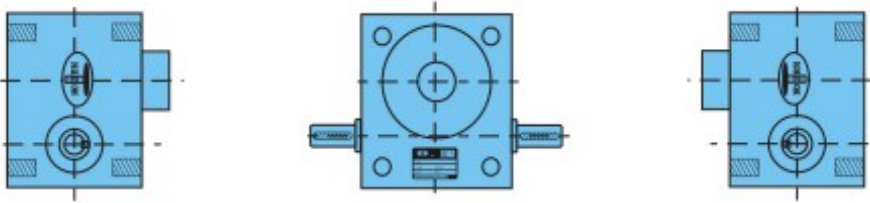
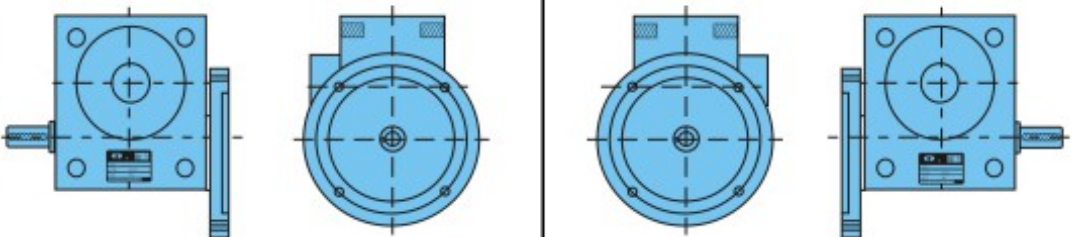
Keyed screw: lifting screw anti-rotation and do linear motion



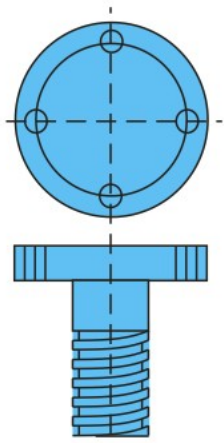
Rotating screw: lifting screw fixed rotation, travel nut linear motion



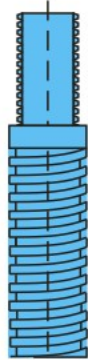
3. Input Forms

A单入力 (single input)	
SAR 右轴 right shaft	SAL 左轴 left shaft
	
C直结单入 (direct drive-single input)	
MCR 附法栏右侧 right flange	MCL 附法栏左侧 left flange
	
SB双入力 (double input)	
	
D直结双入 (direct drive double input)	
MDR 附法栏右侧 right flange	MDL 附法栏左侧 left flange
	

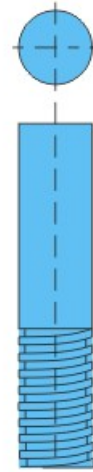
4. Screw Top End Types



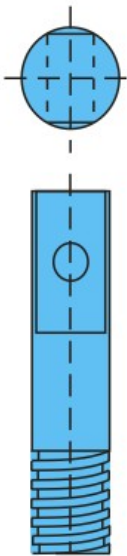
top plate



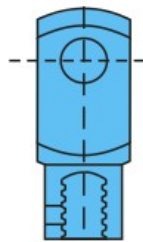
thread end



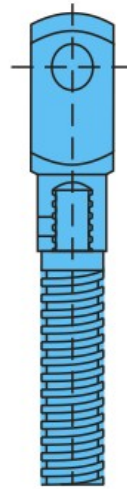
plain end



clevis end



Forked head



5. Gear Ratio

Manual Operated

Fast speed N: 1 full turn 1 mm travel

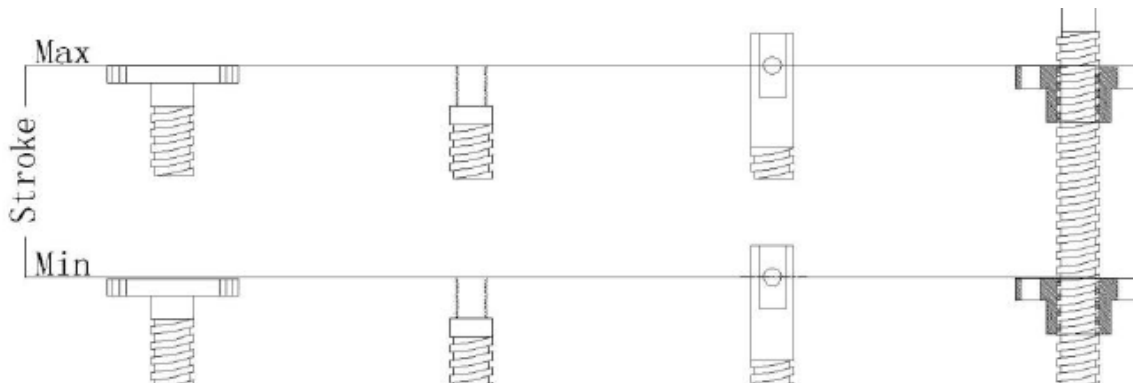
Low speed L: 1 full turn 0.25 mm travel

Electric Driven

Fast speed N: 1500 mm/min

Low speed L: 375 mm/min

6. Travel Stroke (mm)



7. Duty & Environment

Duty Cycles _____ times per day or _____ times per month

Ambient Temperature _____ °C

Conditions _____ (Clean / Dirty, Indoor / Outdoor)

8. Accessories



Steel Cover



Rubber Bellows



Hand Wheel



Bevel Gearbox



Vertical Motor



Horizontal Motor



Swivel Mounting Bases



Swivel Plates



Pillow Block Bearing



Inverter



Limit Switches

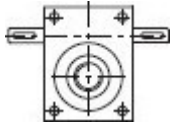


Counter

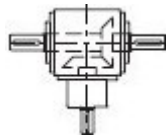
9. Design application sketch, very important

10. Special working conditions, please consult sales / engineers

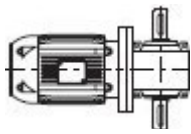
* Screw Jack Lift Systems



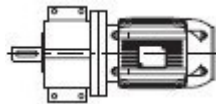
Cubical Screw Jack



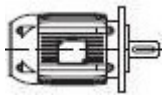
Spiral Bevel Gearbox



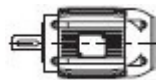
Worm Gear Reducer



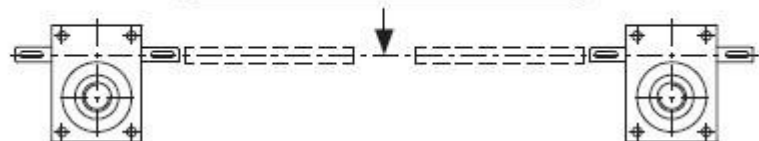
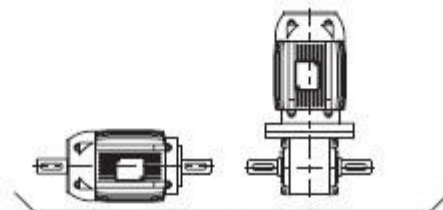
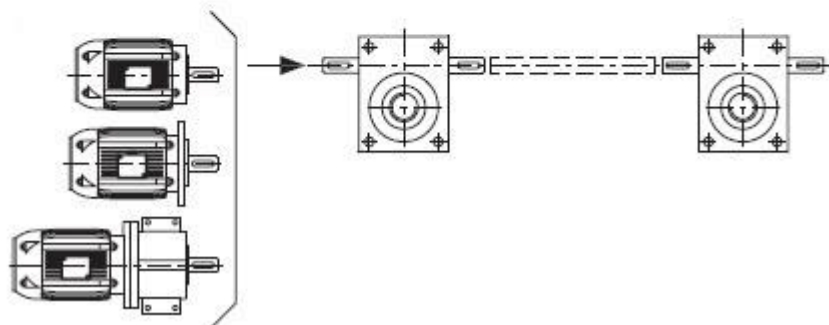
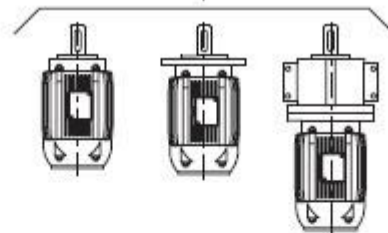
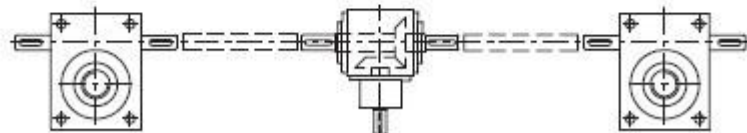
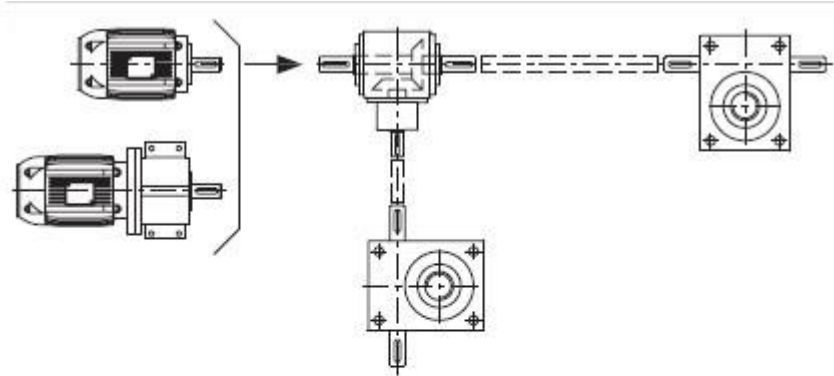
Gear Reducer
Planetary GearReducer



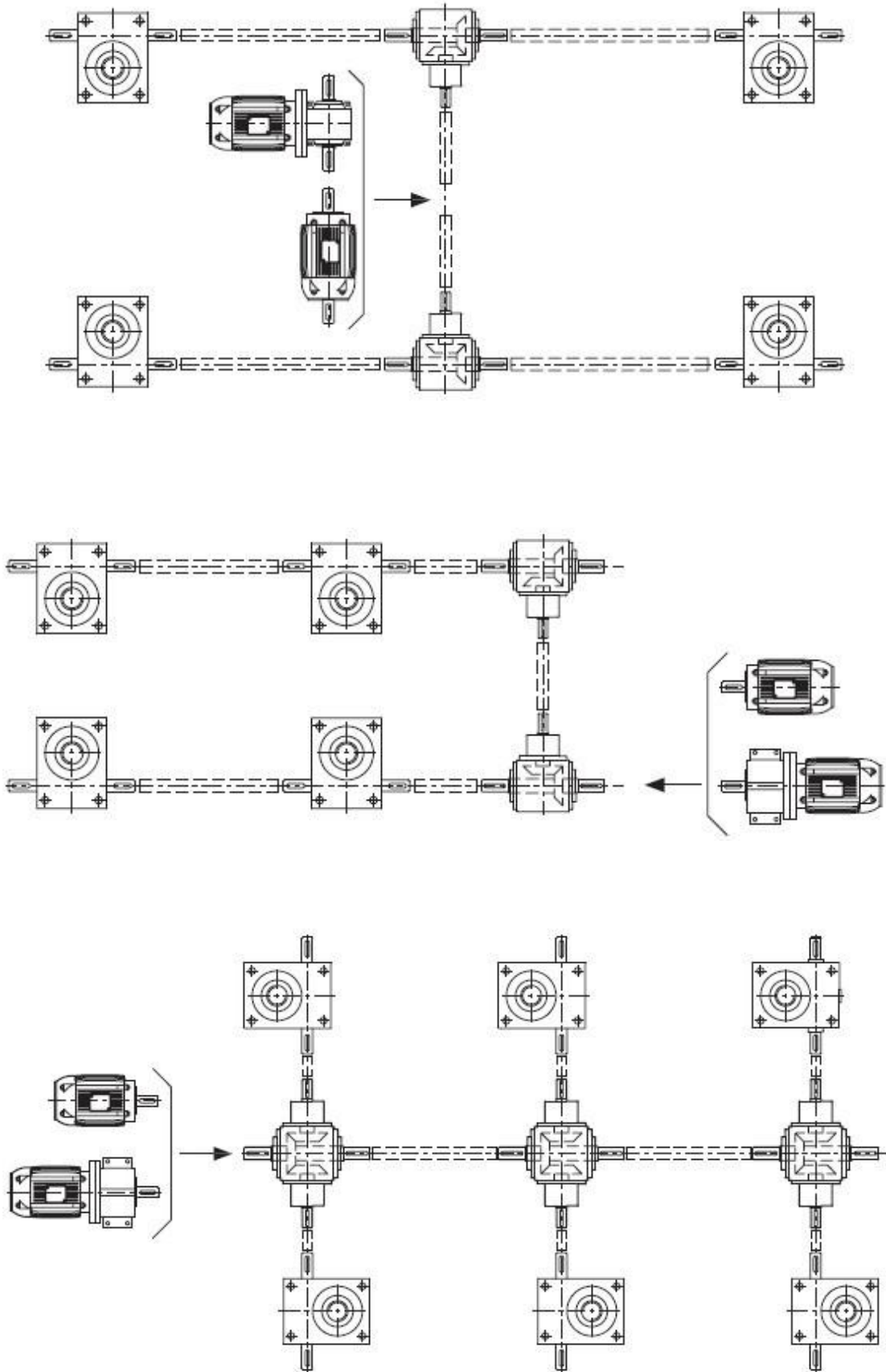
Flange Mounting
Electric Motor



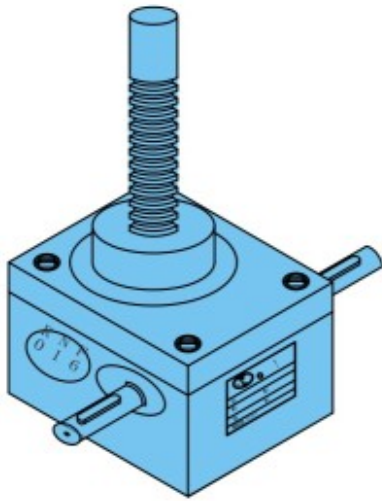
Foot Mounting
Electric Motor



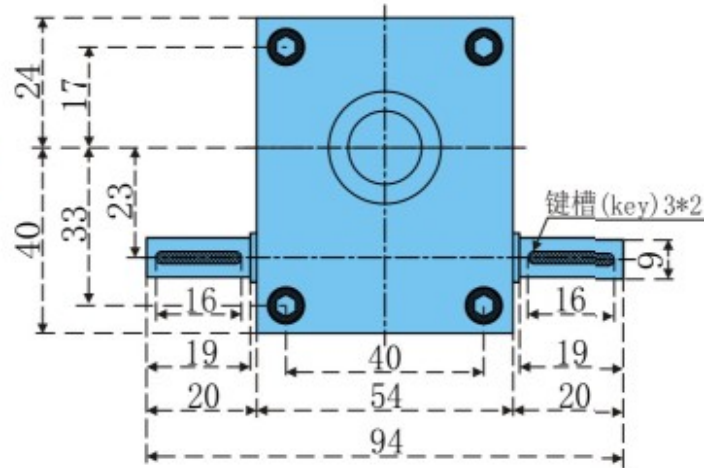
* Screw Jack Systems



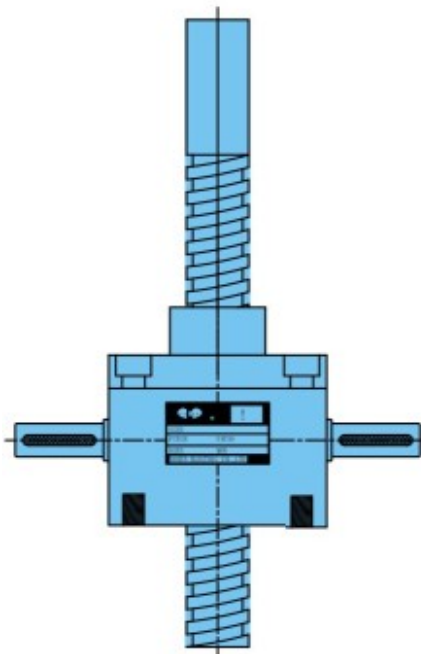
* RNF016 Dimension



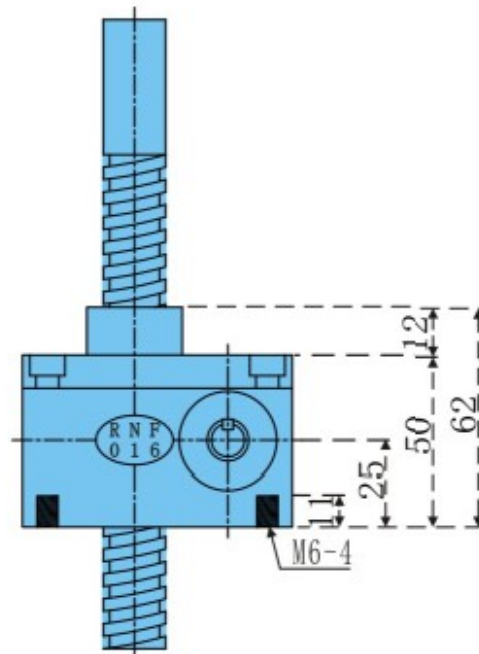
三视图
Three View



平面图
Plan View

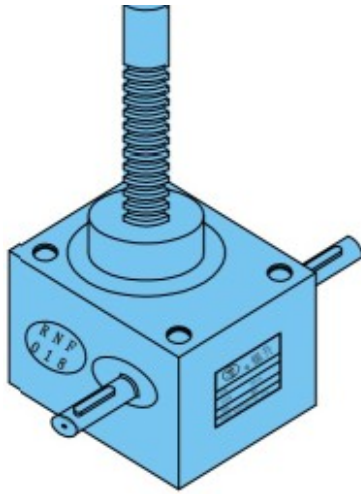


立面图
Elevation View

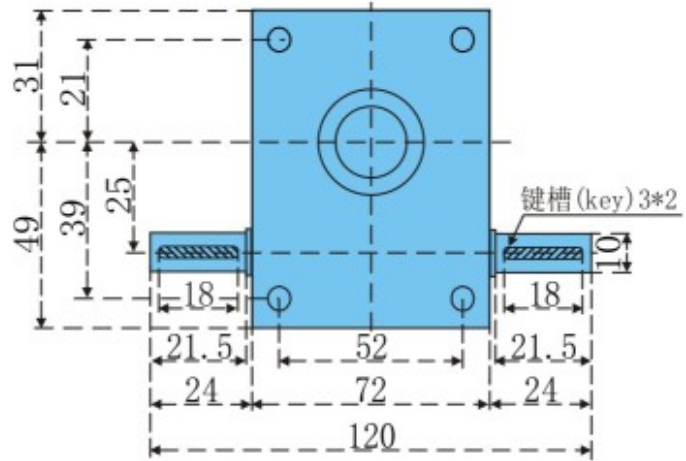


侧面图
Side View

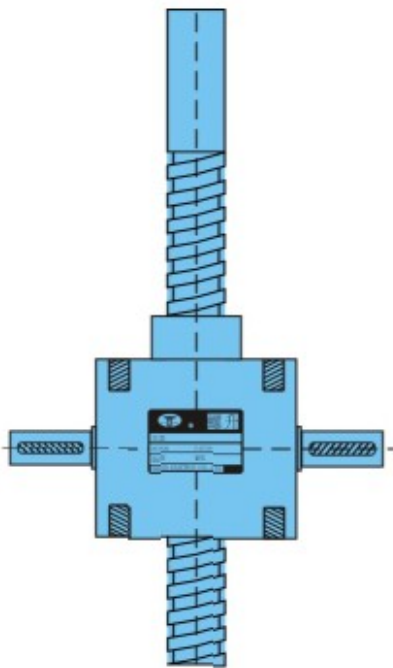
* RNF018 Dimension



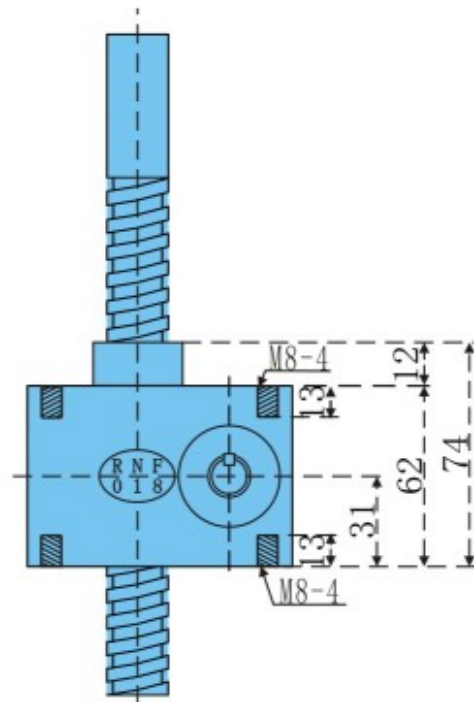
三视图
Three View



平面图
Plan View

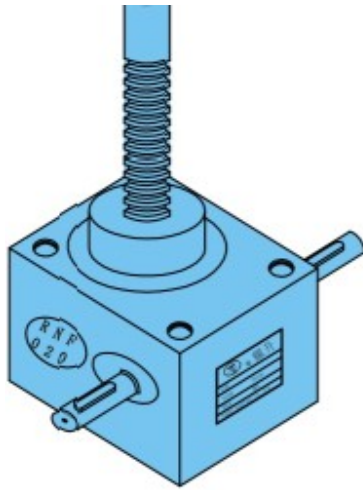


立面图
Elevation View

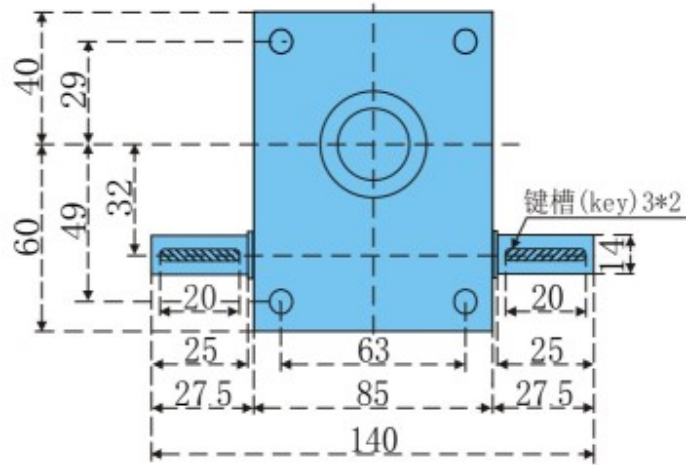


侧面图
Side View

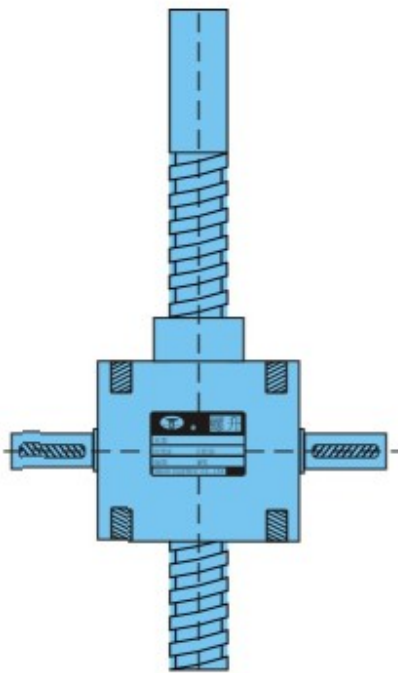
* RNF020 Dimension



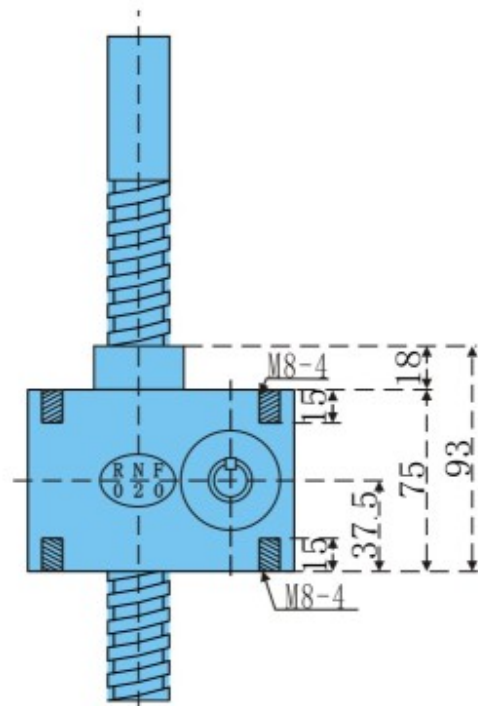
三视图
Three view



平面图
Plan view

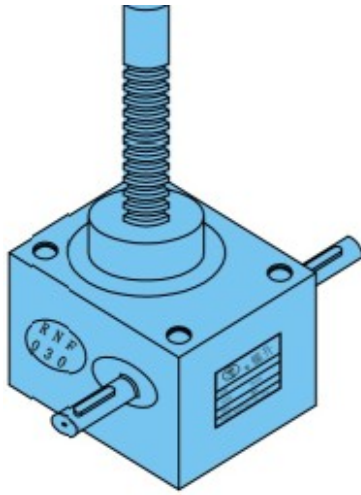


立面图
Elevation view

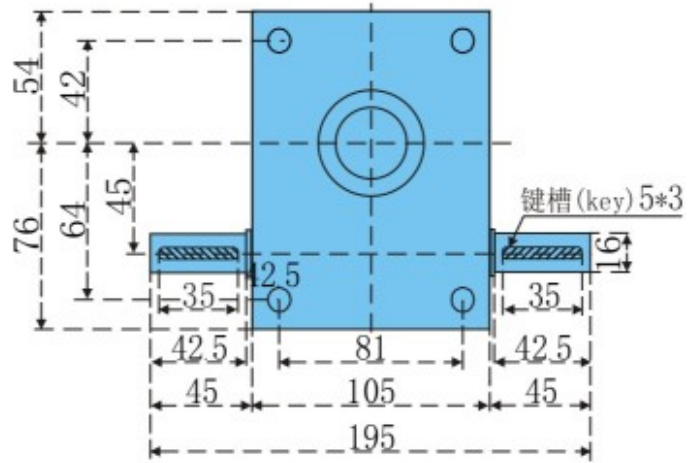


侧面图
Side view

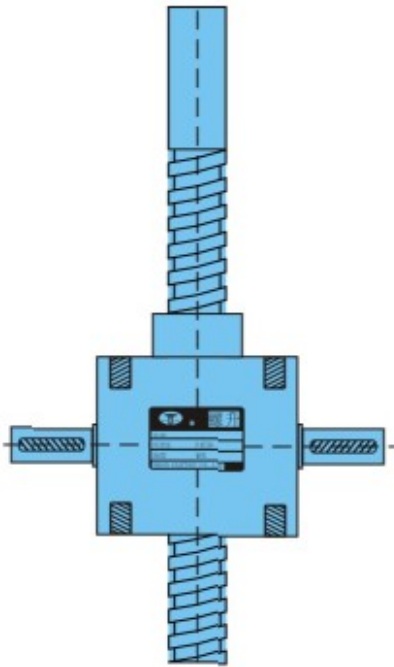
* RNF030 Dimension



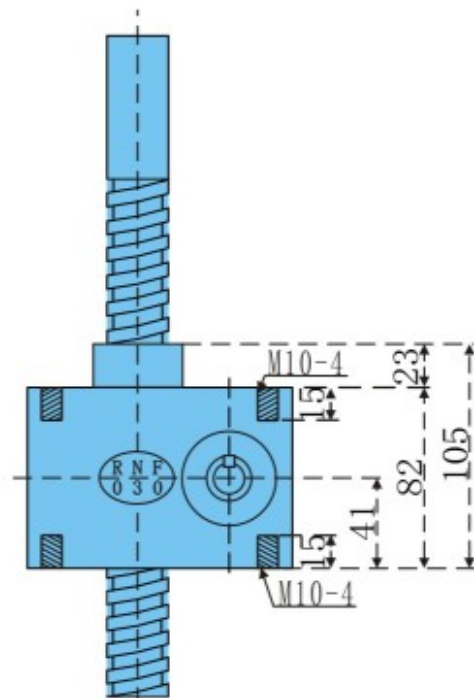
三视图
Three View



平面图
Plan View

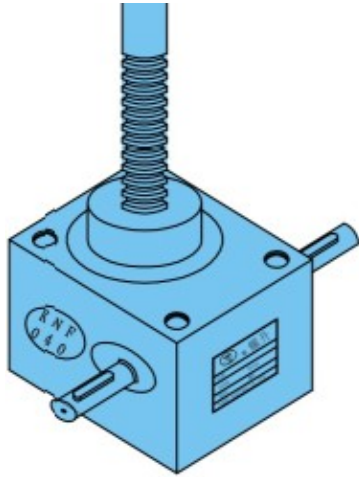


立面图
Elevation View

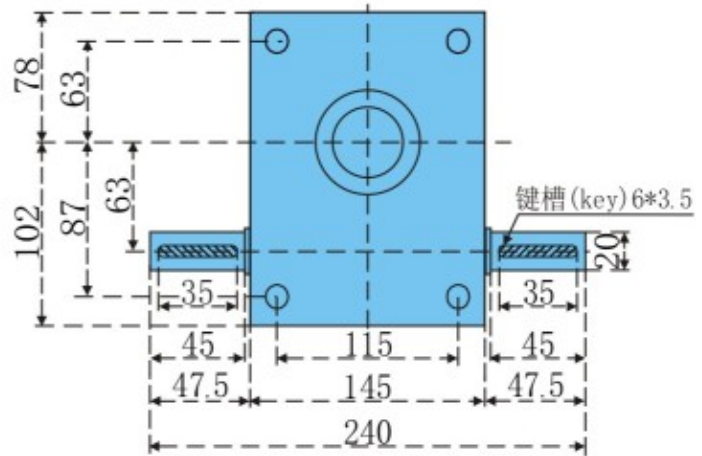


侧面图
Side View

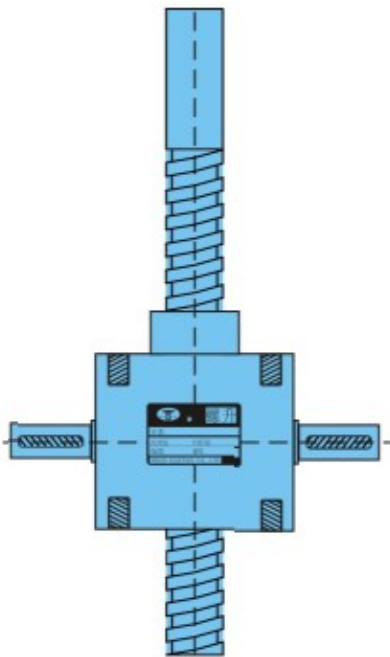
* RNF040 Dimension



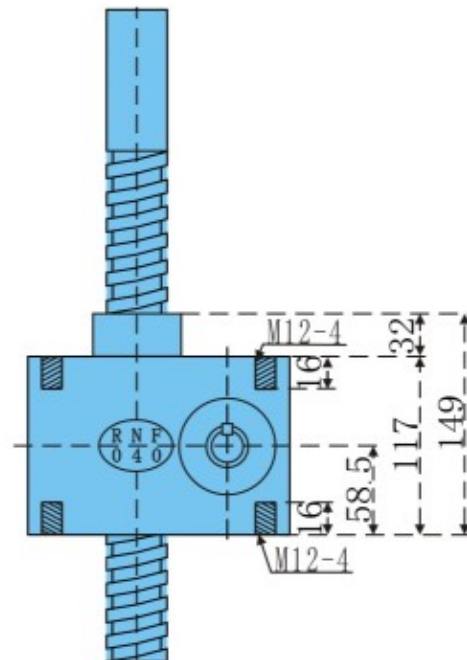
三视图
Three View



平面图
Plan View

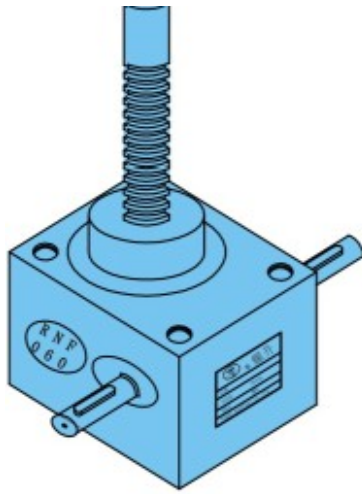


立面图
Elevation View

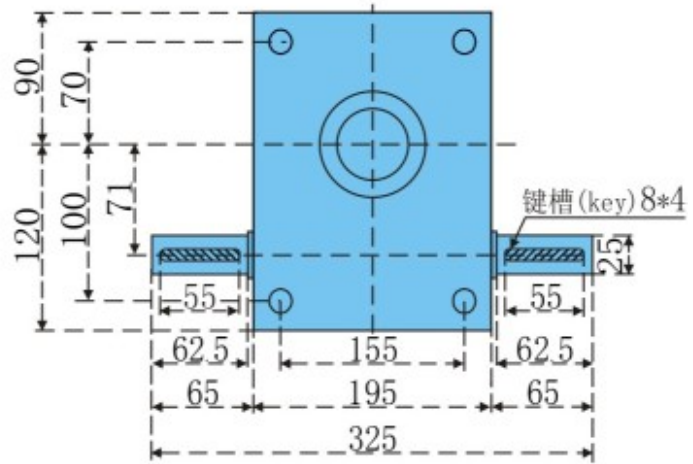


侧面图
Side View

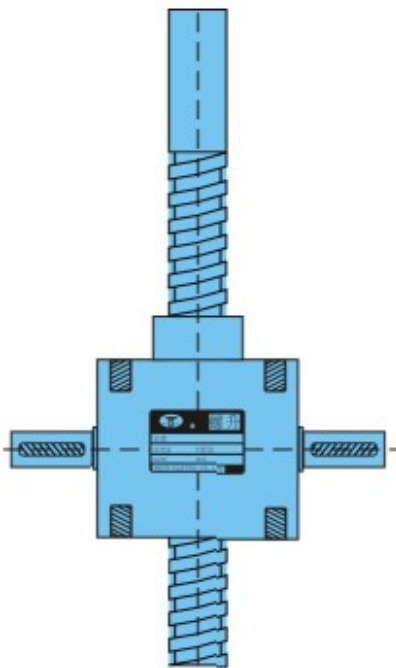
* RNF060 Dimension



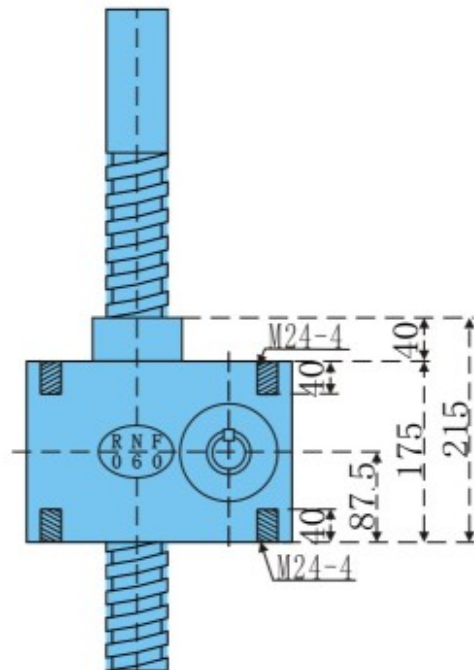
三视图
Three View



平面图
Plan View

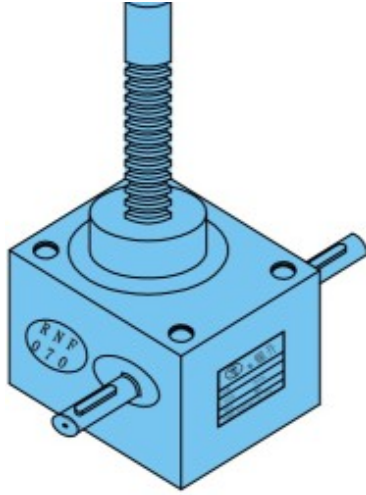


立面图
Elevation View

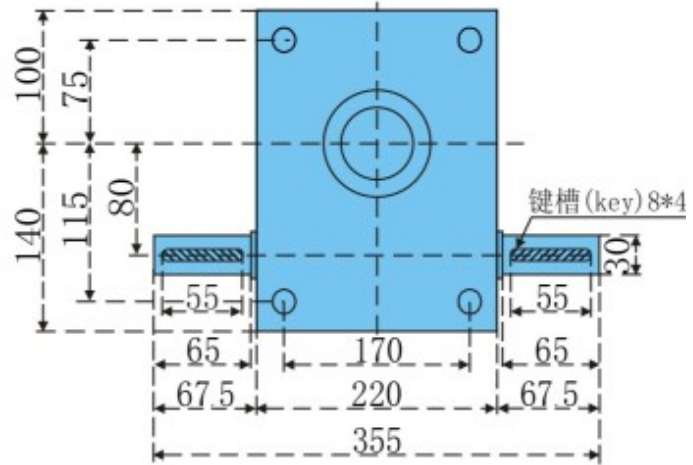


侧面图
Side View

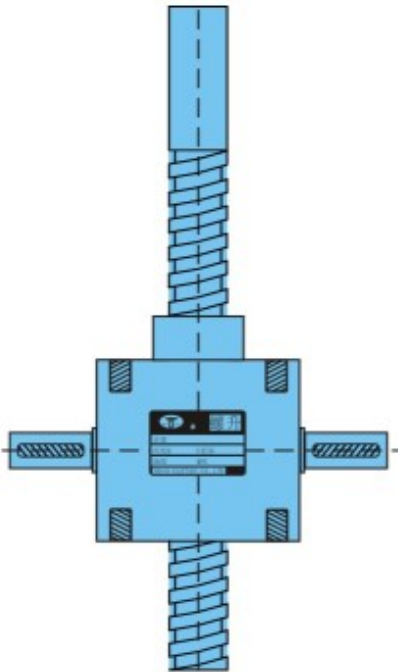
* RNF070 Dimension



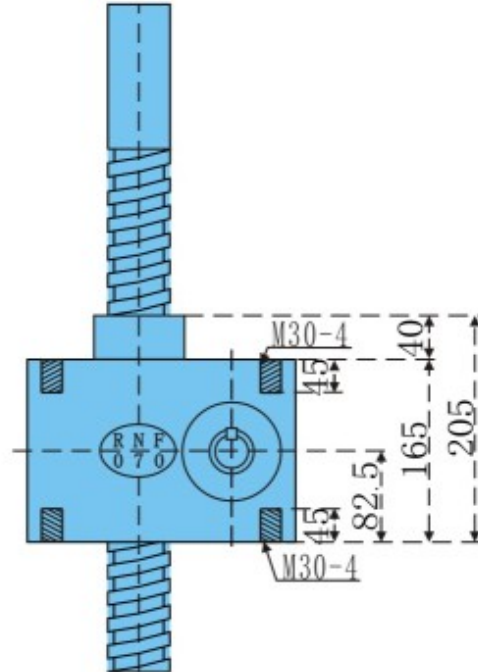
三视图
Three View



平面图
Plan View

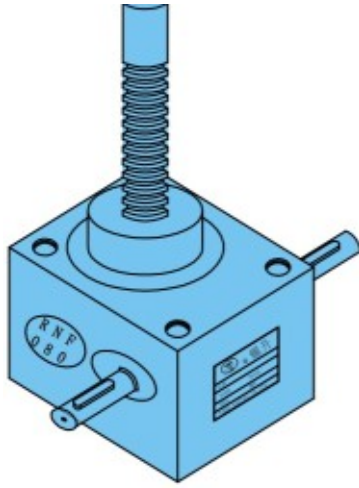


立面图
Elevation View

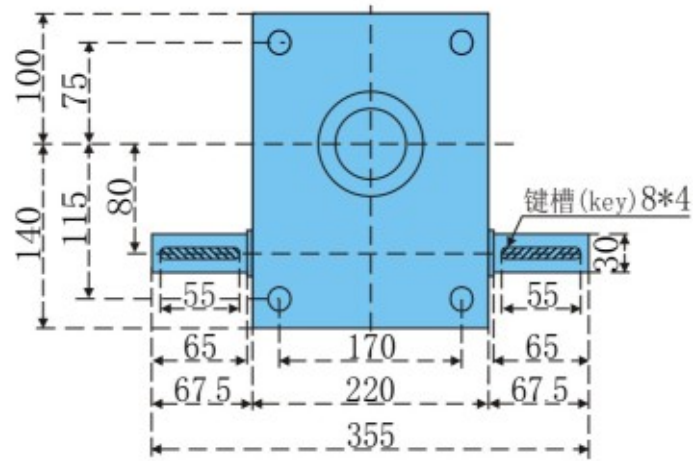


侧面图
Side View

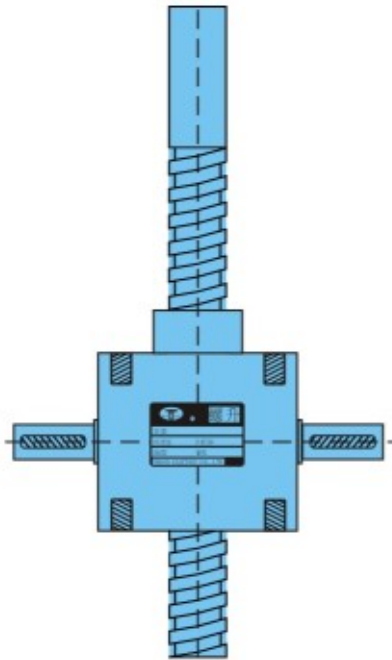
* RNF080 Dimension



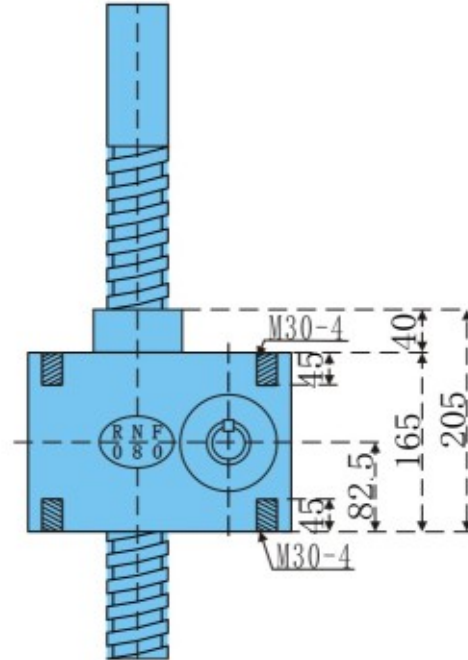
三视图
Three View



平面图
Plan View

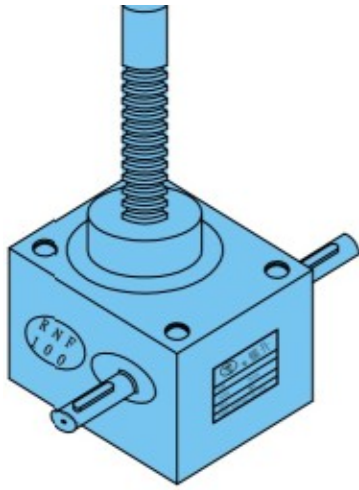


立面图
Elevation View

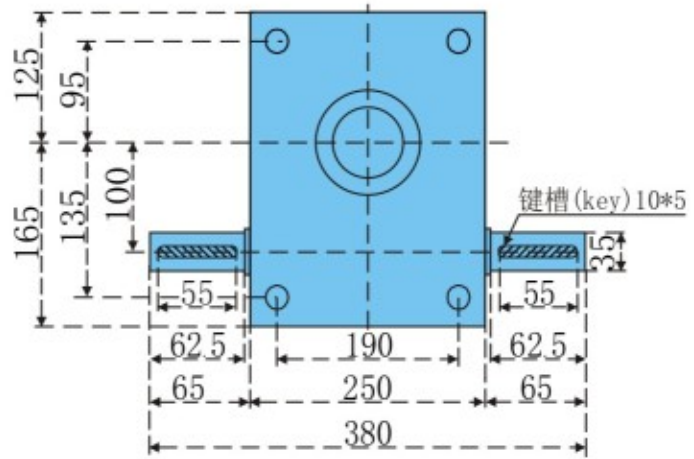


侧面图
Side View

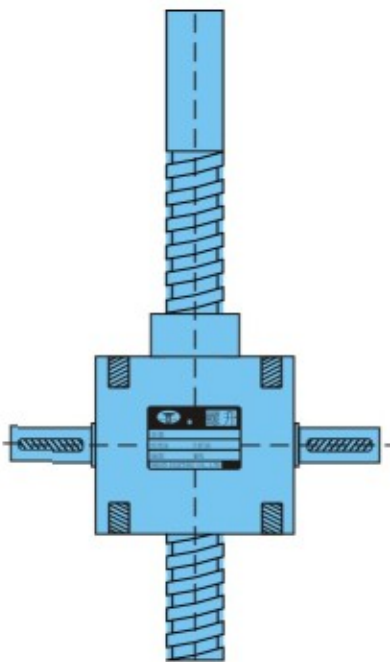
* RNF100 Dimension



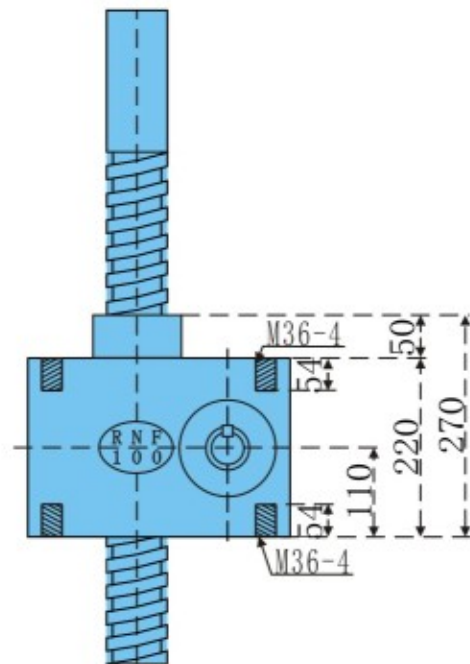
三视图
Three View



平面图
Plan View

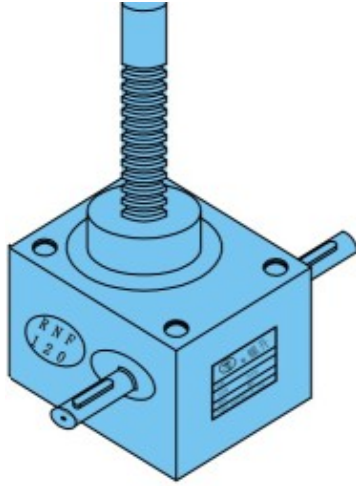


立面图
Elevation View

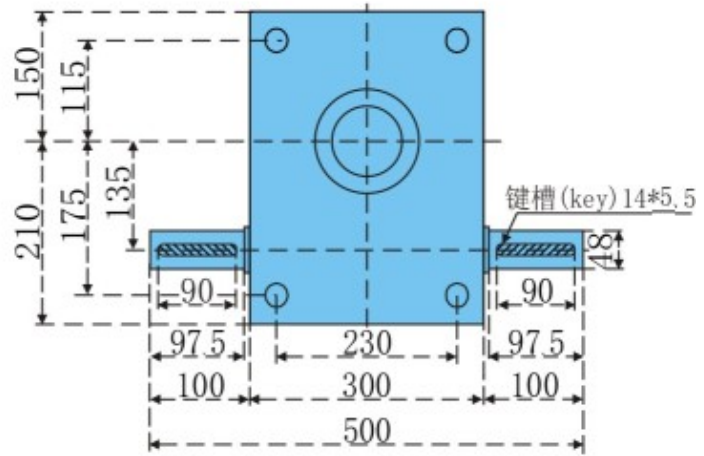


侧面图
Side View

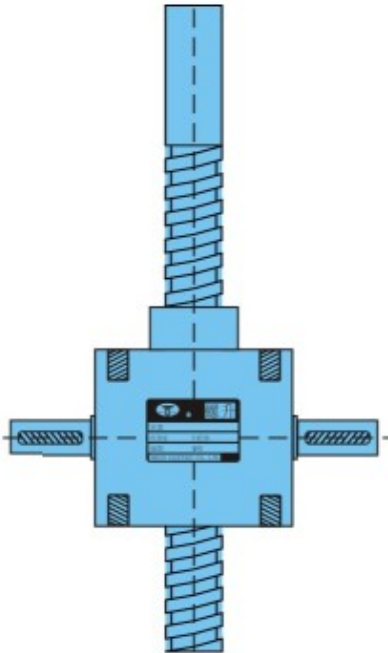
* RNF120 Dimension



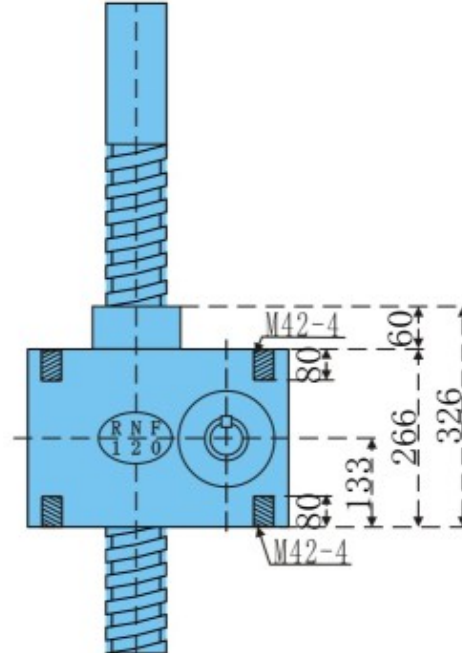
三视图
Three View



平面图
Plan View



立面图
Elevation View

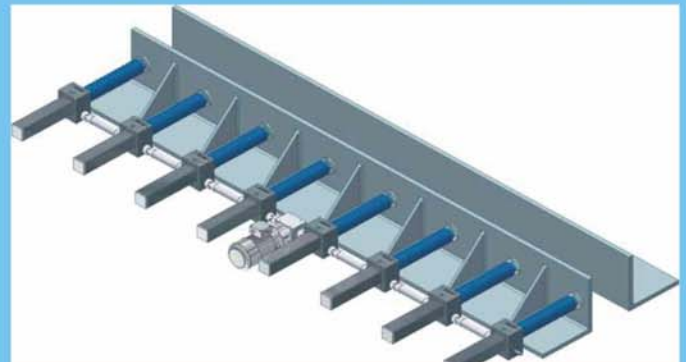
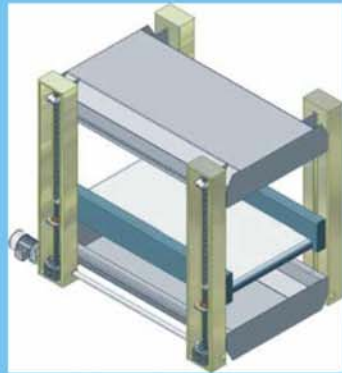
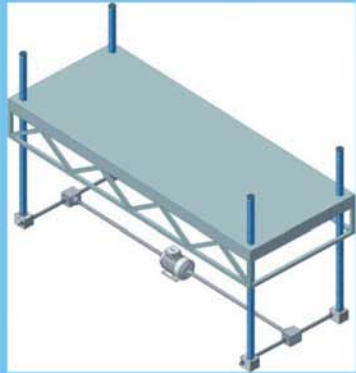
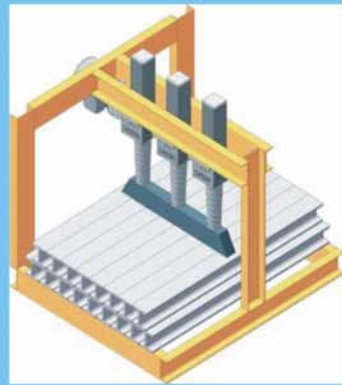


侧面图
Side View



中文
English

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