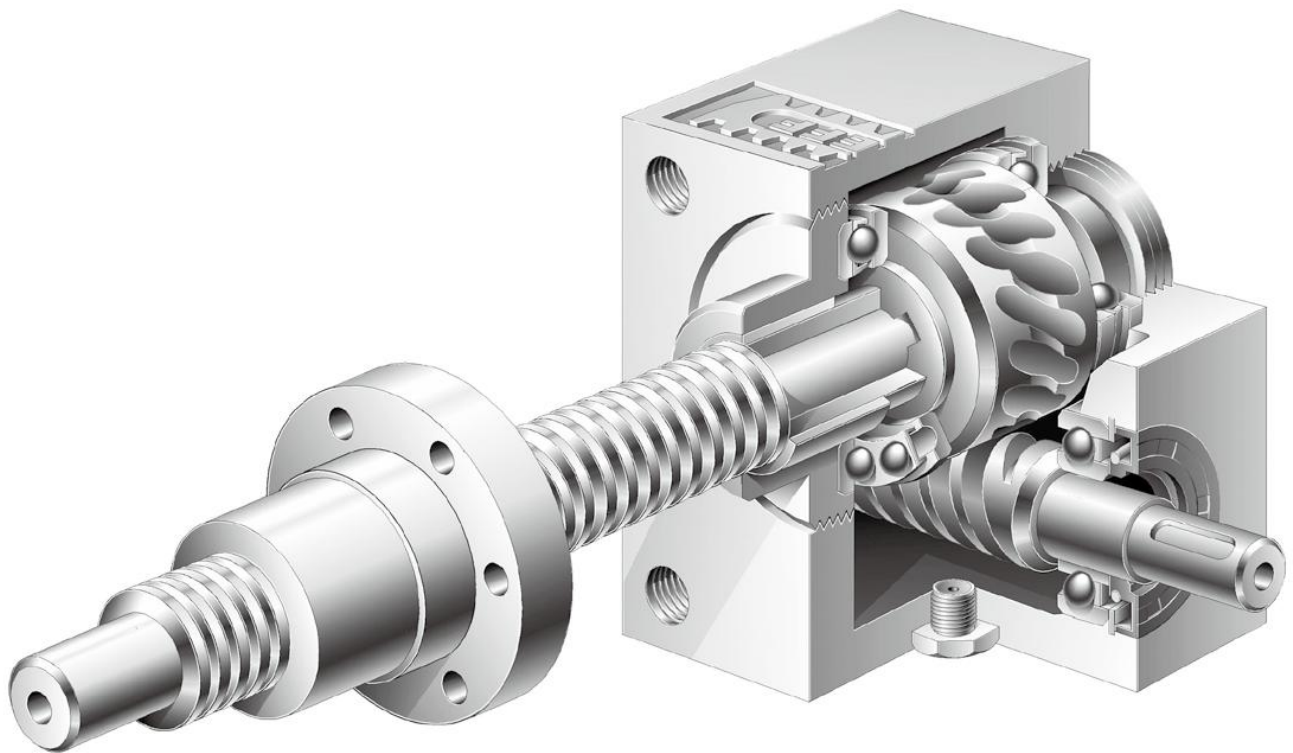
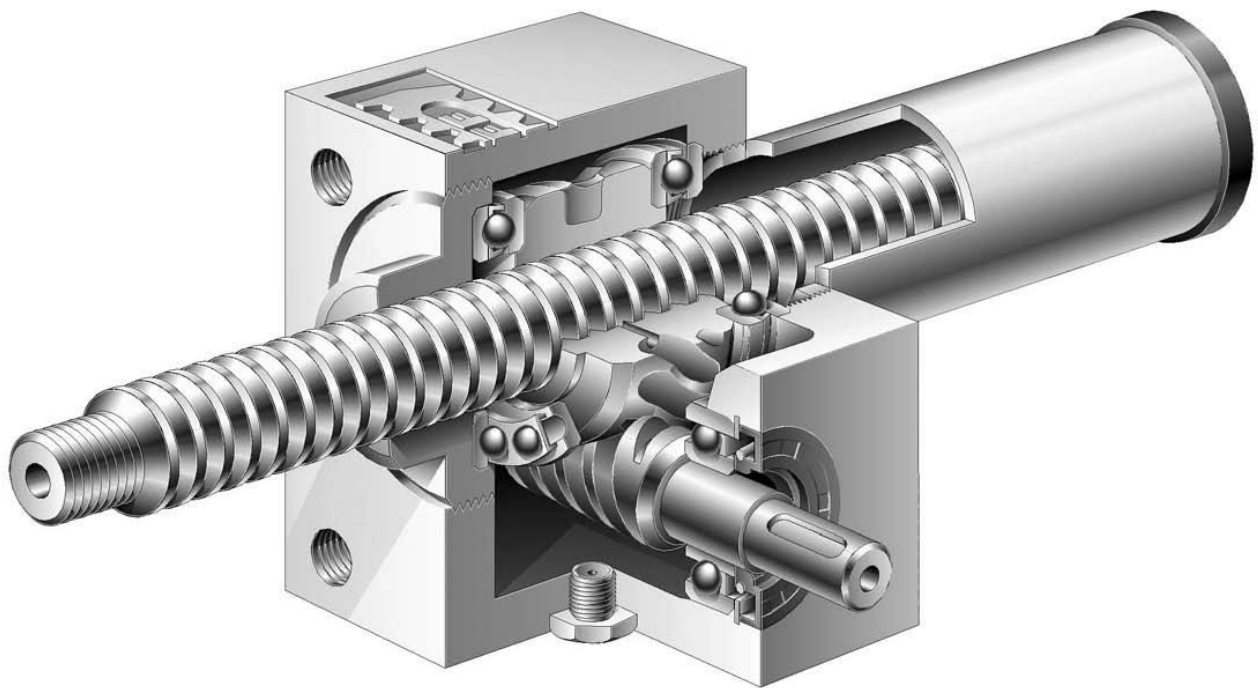




东莞市螺升机电设备有限公司

Dongguan Nosen Mechanical&Electrical Equipment Co.,Ltd



ADD:Liangjingshui industrial park,Dajing Village,Houjie town,Dongguan city,Guangdong province,China

Tel: 86-769-85644651

Fax: 86-769-85644652

Contact: Jack Kuang

Email: admin@screwjack.com.cn

MSN: nosen28@hotmail.com

SKYPE: [j.kuang88](https://www.skype.com/j.kuang88)



*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 Hongkong 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 applied for ISO9001:2008 quality management systems certifications.

Products History:

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

In 2005, R&D, Production and Sale 7 models Worm Gear Screw Jack RNK-Series and 7 models Spiral Bevel Gear Series. Start to manufacture Stainless Steel Liquid Agitator follow clients orders.

In 2008, R&D, Production and Sale Spiral Bevel Gearbox Increase to 12 models.

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.

International Sales:

Germany, Belgium, Netherlands, Italy, Spain, Bulgaria, Croatia, United States of America, Singapore, Thailand, Vietnam, Malaysia, Phillipines, India, Qatar, Iran, Australian, New Zealand

*Jack Descriptions

* Configuration: worm gear, worm shaft, thrust bearings, oil seals, cubic shape cast iron housing, self-locking trapezoidal screw etc.

* Absolutely irreversible, they can support their applied loads without needing any brakes or other locking systems.

* 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 synchronized.

* All versions are designed for both tensile and compressive loads and will operate in any orientation or mounting position.

* 10 models are available from RNF-018 to RNF-120

* RNF018&RNF020 housing materials Aluminum; RNF030~120 is cast iron.

* Comprised of ten models with lifting capacities from 0.5 tons to 50 tons.

* Anti-backlash nut type screw jack are available.

* High accurate up to 0.05 mm

* High and low speeds are available.

* Complete range of accessories:

Spiral bevel gearboxes, hand wheel, electric motor/gear motor/reducer, motor flange, inverter, travelling nut, steel cover, rubber bellows, limited switches, couplings, flexible linking shaft, trunnion base etc.

* Application Industries:

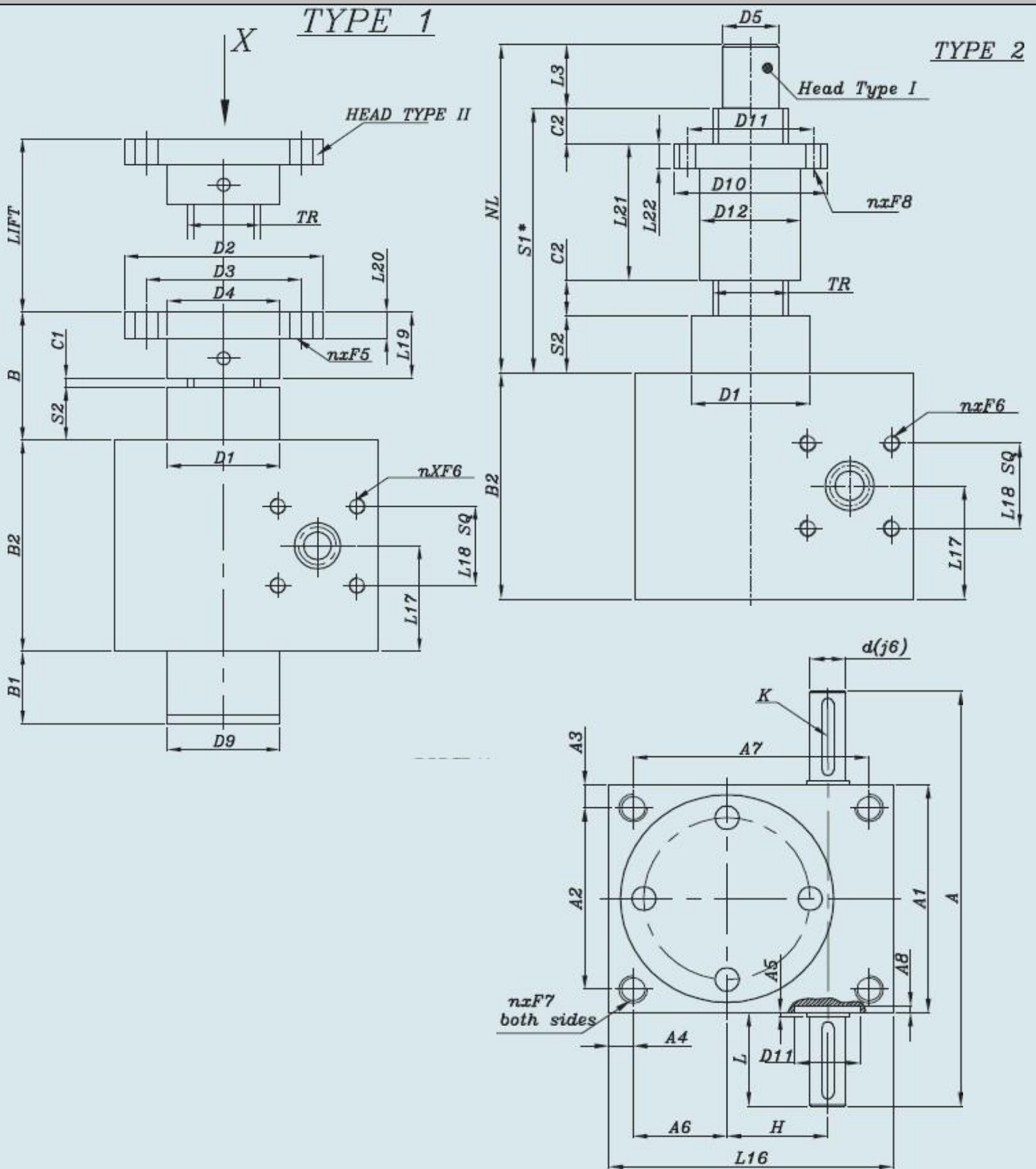
Precision lift table, Roll forming machines, Press machines, Tunnel Freezer, Surface-Grinding machines, Satellite dish antenna, Solar tracking system, Sluice gate, Theatre stage, Slitting line, Precision leveler, Powered straightener, Paper machines, Food processing machines, Textiles machines etc.

*Technical Datasheet

RNF-Series Cubical Screw Jack	RNF018		RNF020		RNF030		RNF040		RNF055	
Max lifting capacity (tons)	0.5		1		2.5		5		10	
Lifing Screw Tr	18*4		20*4		30*6		40*7		55*9	
Normal N, Slow L	N	L	N	L	N	L	N	L	N	L
Ratio	4:1	16:1	4:1	16:1	6:1	24:1	7:1	28:1	9:1	36:1
Stroke per turn of worm (mm)	1	0.25	1	0.25	1	0.25	1	0.25	1	0.25
Input 1500 rpm Lifting speed (mm/min)	1500	375	1500	375	1500	375	1500	375	1500	375
Input 1000 rpm Lifting speed (mm/min)	1000	250	1000	250	1000	250	1000	250	1000	250
Input 750 rpm Lifting speed (mm/min)	750	187.5	750	187.5	750	187.5	750	187.5	750	187.5
Input 300 rpm Lifting speed (mm/min)	300	75	300	75	300	75	300	75	300	75
Total efficiency,at ratio,%	0.3	0.2	0.28	0.18	0.26	0.2	0.25	0.2	0.24	0.16
Screw efficiency,%	0.427		0.4		0.4		0.365		0.348	
Screw torque at max lifting capacity (N.m)	7.5		16		60		153		411	
Worm torque at max lifting capacity at ratio (N.m)	2.7	1.05	5.7	2.2	15	6.3	32.5	13	66	25
Max permissible torque at worm shaft (N.m)	3.15		7.15		18.1		38		93	

RNF-Series Cubical Screw Jack	RNF060		RNF070		RNF080		RNF100		RNF120	
Max lifting capacity (tons)	15		20		25		35		50	
Lifing Screw Tr	60*9		70*10		80*10		100*10		120*14	
Normal N, Slow L	N	L	N	L	N	L	N	L	N	L
Ratio	9:1	36:1	10:1	40:1	10:1	40:1	10:1	40:1	14:1	56:1
Stroke per turn of worm (mm)	1	0.25	1	0.25	1	0.25	1	0.25	1	0.25
Input 1500 rpm Lifting speed (mm/min)	1500	375	1500	375	1500	375	1500	375	1500	375
Input 1000 rpm Lifting speed (mm/min)	1000	250	1000	250	1000	250	1000	250	1000	250
Input 750 rpm Lifting speed (mm/min)	750	187.5	750	187.5	750	187.5	750	187.5	750	187.5
Input 300 rpm Lifting speed (mm/min)	300	75	300	75	300	75	300	75	300	75
Total efficiency,at ratio,%	0.23	0.15	0.21	0.14	0.2	0.1	0.164	0.1	0.184	0.11
Screw efficiency,%	0.328		0.316		0.286		0.240		0.27	
Screw torque at max lifting capacity (N.m)	656		1007		1390		2312		4100	
Worm torque at max lifting capacity at ratio (N.m)	105	40	148	59	204	81	339	133	433	173
Max permissible torque at worm shaft (N.m)	147		175		238		338		565	

*Jack Dimensions



No.	RNF 018	RNF 020	RNF 030	RNF 040	RNF 055	RNF 060	RNF 070	RNF 080	RNF 100	RNF 120
Tr	18*4	20*4	30*6	40*7	55*9	60*9	70*10	80*10	100*10	120*14
A	120	140	195	240	300	325	355	355	380	500
A1	72	85	105	145	165	195	220	220	250	300
A2	52	63	81	115	131	155	170	170	190	230
A3	10	11	12	15	17	20	25	25	30	35
A4	10	11	12	15	17	20	25	25	30	35
A5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
A6	21	29	42	63	66	70	75	75	95	115
A7	60	78	106	150	166	170	190	190	230	290
A8	1.5	1.5	2	2	2.5	8	8	8	8	8
B	36	46	51	66	97	97	112	112	142	202
B1	Lift+15	Lift+25	Lift+25	Lift+45	Lift+55	Lift+55	Lift+55	Lift+55	Lift+65	Lift+90
B2	62	75	82	117	160	175	165	165	220	266
C1	4	7	5	4	7	7	12	12	12	22
D1	30	38.7	46	60	85	90	105	105	145	170
D9	32	38	50	60	85	90	115	115	133	153
D11	28	35	35	35	52	52	58	58	72	80
H	25	32	45	63	71	71	80	80	100	135
K	3*3*18	5*5*18	5*5*36	6*6*36	8*7*56	8*7*56	8*7*56	8*7*56	10*8*56	14*9*90
L	24	27.5	45	47.5	67.5	65	67.5	67.5	65	100
L16	80	100	130	180	200	210	240	240	290	360
L17	31	37.5	41	58.5	80	87.5				
L18	32	35	44	55	60	60	35	44	55	60
SQ										
S2	12	18	23	32	40	40	40	40	50	60
N*F6	M5*8	M6*9	M8*10	M10*14	M12*16	M12*16				
N*F7	M8*13	M8*15	M10*15	M12*16	M20*30	M24*40	M30*45	M30*45	M36*54	M42*80
D(j6)	10	14	16	20	25	25	30	30	35	48

Bellow Page Is Standard type Screw Top End & Travelling Nut Dimensions



No.	RNF 018	RNF 020	RNF 030	RNF 040	RNF 055	RNF 060	RNF 070	RNF 080	RNF 100	RNF 120
Head type I										
D5	12	14	20	30	36	48	56	64	72	100
L1	23	27	27	33	55	55	70	70	90	140
L3	19	20	22	29	48	48	58	58	78	118
Head type II										
D2	65	80	90	110	150	170	200	220	260	310
D3	48	60	67	85	117	130	155	170	205	240
D4	29.3	38.7	46	66	85	90	105	120	145	170
L19	20	21	23	30	50	50	60	60	80	120
L20	7	8	10	15	20	25	30	30	40	40
N*F5	4* \varnothing 9	4* \varnothing 11	4* \varnothing 11	4* \varnothing 13	4* \varnothing 17	4* \varnothing 21	4* \varnothing 25	4* \varnothing 25	4* \varnothing 32	4* \varnothing 38
Head type III										
L2	23	27	27	33	55	55	70	70	90	140
L4	19	20	22	29	48	48	58	58	78	118
D6	M12*1. 75	M14*2	M20*2.5	M30*3.5	M36*4	M48*2	M56*2	M64*3	M72*3	M100* 3
Head type IV										
D7	30	39	45	60	85	90	105	120	145	170
D10 H8	10	12	16	20	22	40	50	60	80	90
L5	44	52	58	74	104	90	102	117	147	222
L6	59	70	83	104	137	127	142	167	232	322
L7 -0.2	15	20	30	35	40	60	70	80	110	120
L8	15	18	20	30	33	45	50	60	85	100
Fork End										
D8 D9	12	14	20	30	35					
L9	24	28	40	60	70					
L10	12	14	20	30	35					
L11	24	28	40	60	70					
L12	14	16	25	40	44					
L13	24	28	40	60	72					
L14	66	79	110	164	195					
L15	44	50	75	117	144					
Travelling Nut Type 2										
NL	Lift+95	Lift+112	Lift+134	Lift+185	Lift+232	Lift+244	Lift+260	Lift+275	Lift+330	Lift+400
D10	48	55	62	95	110	125	180	190	240	300
D11	38	45	50	78	90	105	140	150	185	230
D12	28	32	38	63	72	85	95	105	130	160
L21	44	44	46	73	97	99	100	110	130	160
L22	12	12	14	16	18	20	30	30	35	40
n*F8	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9	4* \varnothing 9
C2	12	15	20	25	25	25	25	25	25	30

*Selection Guide

RNF055 - NTSB1/9 - 500PRY

*** RNF:**

RNF-Series, Cubical Worm Gear Screw Jack

*** 055:**

Tr 55*9

Lifting screw diam. 55 mm

Lifting screw pitch 9 mm

Max lifting capacity 10 tons

*** NTSB:**

N: Translating screw

T: Top plate

SB: Double input worm shaft, standard type

*** 1/9-500PRY:**

1/9: Reduction ratio 9:1

1 full turn worm shaft, 1 mm travelling stroke

500: Travelling stroke 500 mm

P: Steel cover

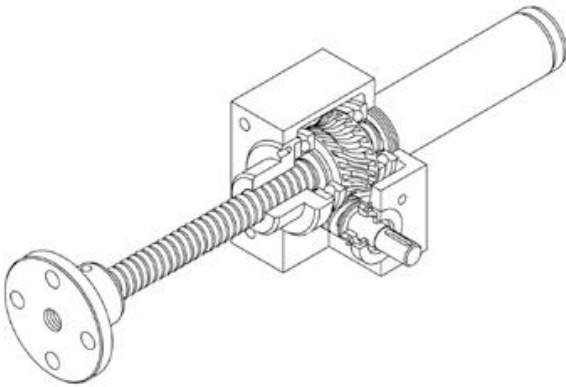
R: Rubber bellows

Y: Hand wheel

1. Model _____

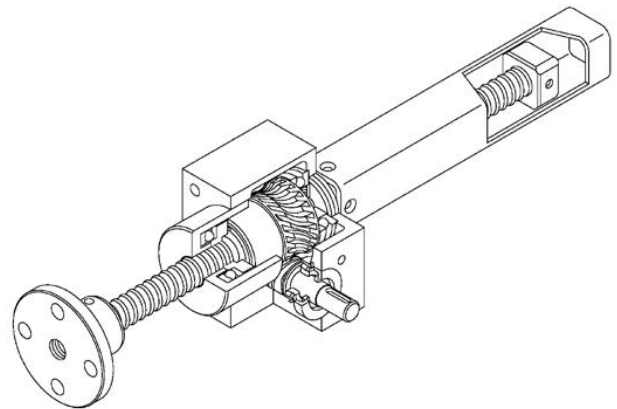
RNF-Series Cubical Screw Jack	RNF018	RNF020	RNF030	RNF040	RNF055
Max lifting capacity (tons)	0.5	1	2.5	5	10
Lifting Screw Tr	18*4	20*4	30*6	40*7	55*9
RNF-Series Cubical Screw Jack	RNF060	RNF070	RNF080	RNF100	RNF120
Max lifting capacity (tons)	15	20	25	35	50
Lifting Screw Tr	60*9	70*10	80*10	100*10	120*14

2. Installation _____ (A,C,E)



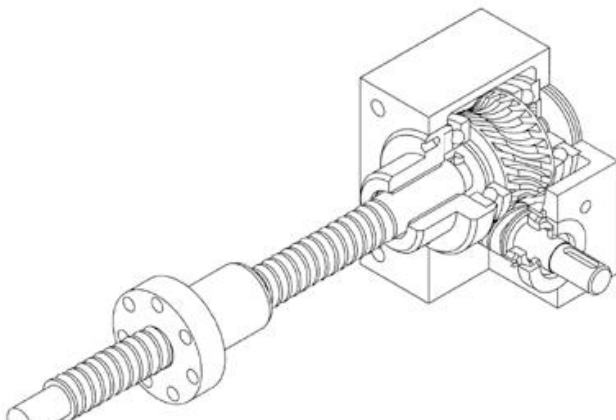
A: Translating Screw Jack

Lifting screw rotation, do linear motion



C: Keyed Screw Jack

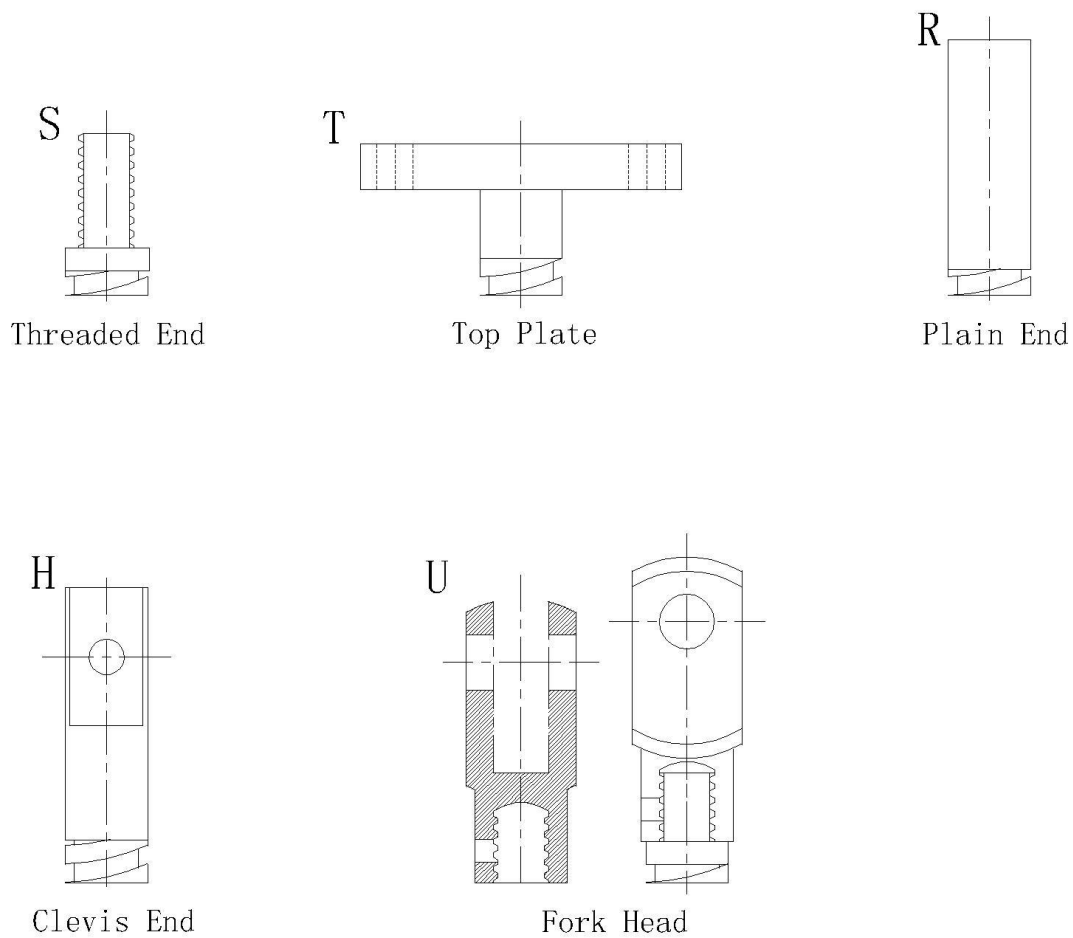
Lifting screw anti-rotation, do linear motion



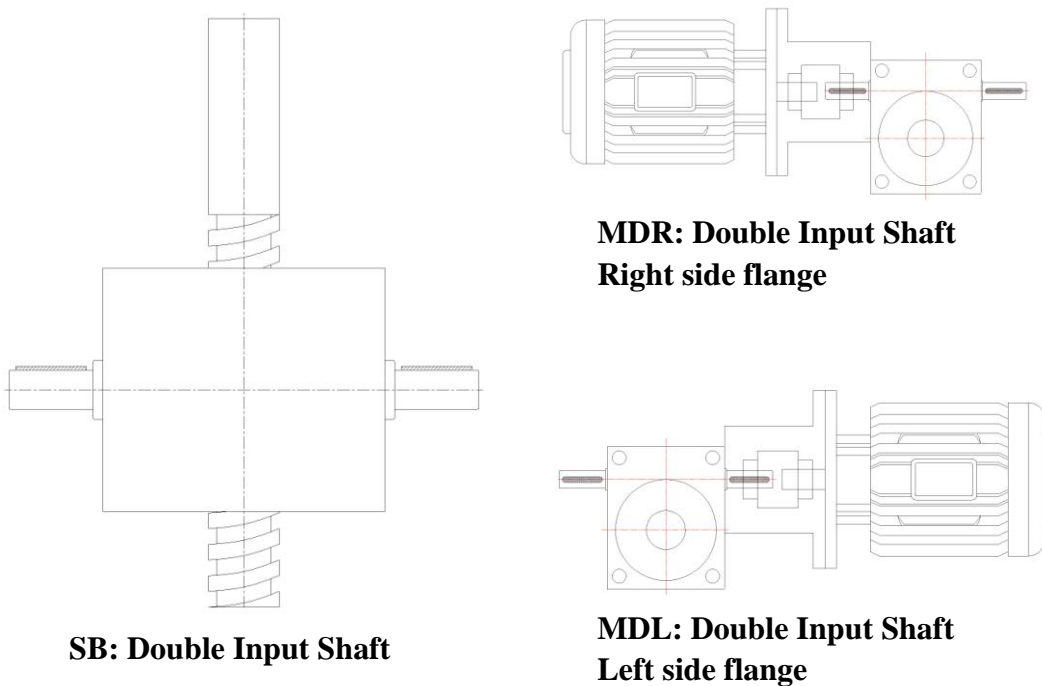
E: Rotating Screw Jack

Lifting screw fixed rotation, travelling nut do linear motion

3. Screw Top End _____



4. Input Forms of Worm Shaft _____ (SB,MDR,MDL)



5. Reduction Ratio _____

RNF-Series Cubical Screw Jack	RNF018		RNF020		RNF030		RNF040		RNF055	
Max lifting capacity (tons)	0.5		1		2.5		5		10	
Lifting Screw Tr	18*4		20*4		30*6		40*7		55*9	
Normal N, Slow L	N	L	N	L	N	L	N	L	N	L
Ratio	4:1	16:1	4:1	16:1	6:1	24:1	7:1	28:1	9:1	36:1
Stroke per turn of worm (mm)	1	0.25	1	0.25	1	0.25	1	0.25	1	0.25
Input 1500 rpm Lifting speed (mm/min)	1500	375	1500	375	1500	375	1500	375	1500	375
Input 1000 rpm Lifting speed (mm/min)	1000	250	1000	250	1000	250	1000	250	1000	250
Input 750 rpm Lifting speed (mm/min)	750	187.5	750	187.5	750	187.5	750	187.5	750	187.5
Input 300 rpm Lifting speed (mm/min)	300	75	300	75	300	75	300	75	300	75

RNF-Series Cubical Screw Jack	RNF060		RNF070		RNF080		RNF100		RNF120	
Max lifting capacity (tons)	15		20		25		35		50	
Lifting Screw Tr	60*9		70*10		80*10		100*10		120*14	
Normal N, Slow L	N	L	N	L	N	L	N	L	N	L
Ratio	9:1	36:1	10:1	40:1	10:1	40:1	10:1	40:1	14:1	56:1
Stroke per turn of worm (mm)	1	0.25	1	0.25	1	0.25	1	0.25	1	0.25
Input 1500 rpm Lifting speed (mm/min)	1500	375	1500	375	1500	375	1500	375	1500	375
Input 1000 rpm Lifting speed (mm/min)	1000	250	1000	250	1000	250	1000	250	1000	250
Input 750 rpm Lifting speed (mm/min)	750	187.5	750	187.5	750	187.5	750	187.5	750	187.5
Input 300 rpm Lifting speed (mm/min)	300	75	300	75	300	75	300	75	300	75

6. Travelling Stroke _____ mm

7) Duty & Environment

Working times _____ times per day _____ times per month

Ambient Temperature _____ °C

Conditions _____ (Clean / Dirty, Indoor / Outdoor)

8) Guidance _____

Fully Guided by linear guides / guides post

No extra Guidance

9) Accessories _____



Steel Cover



Rubber Bellows



Hand Wheel



Bevel Gearbox



Vertical Motor



Horizontal Motor



Swivel Mounting Bases



Swivel Plates



Pillow Block Bearing



Inverter

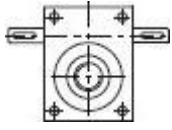


Limit Switches

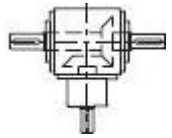


Counter

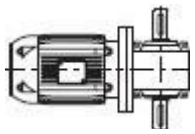
* Screw Jack Systems



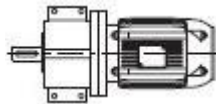
Cubical Screw Jack



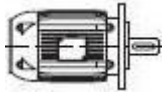
Spiral Bevel Gearbox



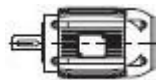
Worm Gear Reducer



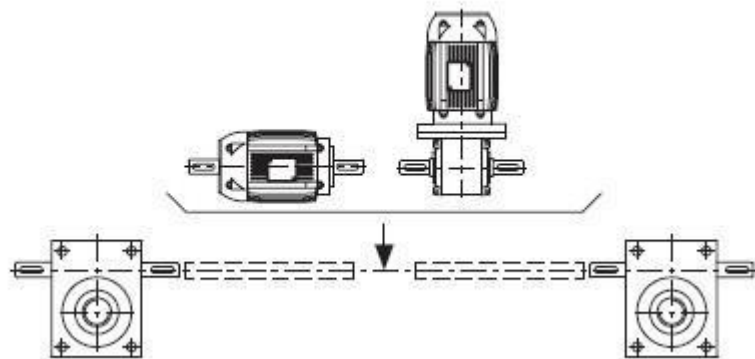
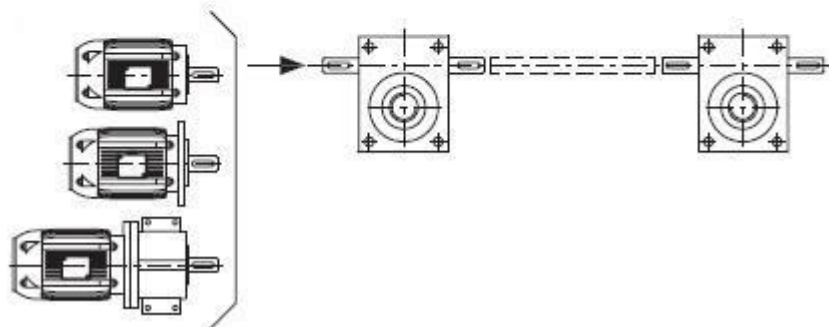
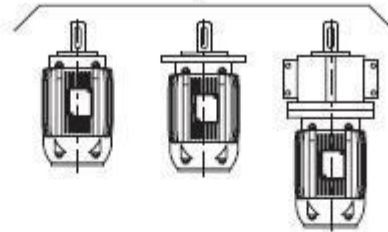
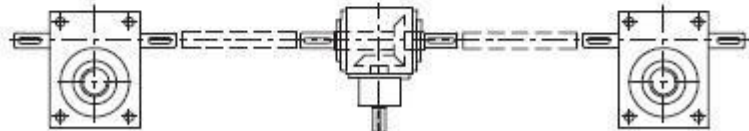
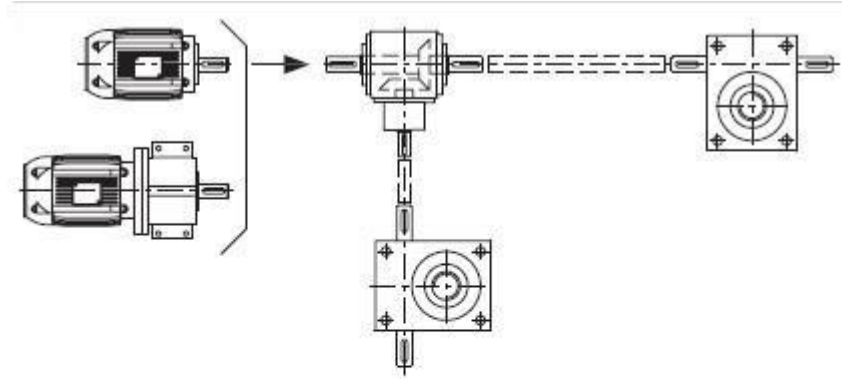
Gear Reducer
Planetary Reducer



Vertical type
Electric Motor



Horizontal type
Electric Motor



* Screw Jack Systems

