



- MP Series
- LC Series
- SL Series
- KR Series



- RT Series
- RS Series
- BR Series
- RD Series
- AC & DC Motors



- Couplings
- Torque Limiters



- Linear Actuators
- Linear Screw Jacks
- Linear Slides



12910 Galveston Road
Webster (Houston), TX 77598
Tel: (281) 490-8711
Fax: (281) 490-8666

Visit our website at
www.sipco-mls.com

DISTRIBUTED BY



Screw Jacks





Screw Jacks



SIPCO offers a complete product line of standard and precision components. When you have one source, you only have to place one order to fill your mechanical linkage needs.

SIPCO has been satisfying customers since 1984. In that time, we have established a reputation for efficient service to industries using motion control, power transmission, and hydraulic systems. Today, our products are working in many applications, including robotic, packaging, automotive, printing and material handling. Through this experience, we are continually evolving, offering new innovative solutions for high-tech applications.

- Forces from 5 kN to 350 kN
 - Speeds up to 150 mm/s
 - Maximum duty cycle 30%
- Free shaft or motorized input
 - AC or DC Motors
- Traveling nut or traveling screw

**Screw jacks can be operated in vertical or horizontal planes, or angles in-between. Input options are male shaft, motor flange or second shaft.*

SIZE		SJ 5	SJ 10	SJ 25	SJ 50	SJ 80	SJ 200	
Max lifting load	kN	5	10	25	50	80	200	
Acme lift screw	dia x pitch	Tr 18 x 4	Tr 22 x 5	Tr 30 x 6	Tr 40 x 7	Tr 55 x 9	Tr 70 x 12	Tr 80 x 12
Available ratios	RH	1 : 4	-	-	-	-	1 : 7	
	RV	1 : 0.25	1 : 4	1 : 6	1 : 7	1 : 7	-	
	RN	1 : 12.5	1 : 16	1 : 18	1 : 14	1 : 14	-	
	RL	1 : 25	1 : 24	1 : 24	1 : 20	1 : 20	1 : 20	
Stroke [mm] for 1 input turn	RH	1	-	-	-	-	-	
	RV	0.04	1.25	1	1	1.20	1.71	
	RN	0.32	0.31	0.33	0.5	0.64	-	
	RL	0.15	0.21	0.25	0.25	0.32	0.45	
Max permissible operating power [kW]	RH	0.40	-	-	-	-	-	
	RV	0.40	0.60	1.2	2.4	2.5	4	
	RN	0.20	0.30	0.7	1.7	1.8	-	
	RL	0.17	0.25	0.6	1.2	1.2	3.2	
Max starting torque required at full load [Nm]	RH	3.8	-	-	-	-	-	
	RV	2.5	9	19.9	44.1	77	325	360
	RN	1.7	3.5	8.3	24.8	47	-	-
	RL	1	2.5	7.6	18	34	125	138
Starting efficiency	RH	0.25	-	-	-	-	-	
	RV	0.25	0.26	0.20	0.18	0.18	0.16	0.17
	RN	0.21	0.20	0.16	0.15	0.15	-	-
	RL	0.16	0.16	0.13	0.11	0.11	0.12	0.11
Running efficiency at 1500 r/min	RH	0.35	-	-	-	-	-	
	RV	0.34	0.36	0.34	0.32	0.33	0.36	0.36
	RN	0.29	0.28	0.27	0.28	0.29	-	-
	RL	0.25	0.25	0.25	0.23	0.24	0.25	0.24
Reactive torque of screw at max load [Nm]		8	20	65	165	368	1184	1300
Housing material		Aluminium alloy EN 1706 - AB-ALSi10Mg T6			Cast iron EN 1561 - GJL-250			
Weight without screw and protection tube [kg]		1.5	2.3	10.4	25	35	75	
Weight for every 100 mm of screw [kg]		0.16	0.23	0.45	0.8	1.6	2.5	3.4

