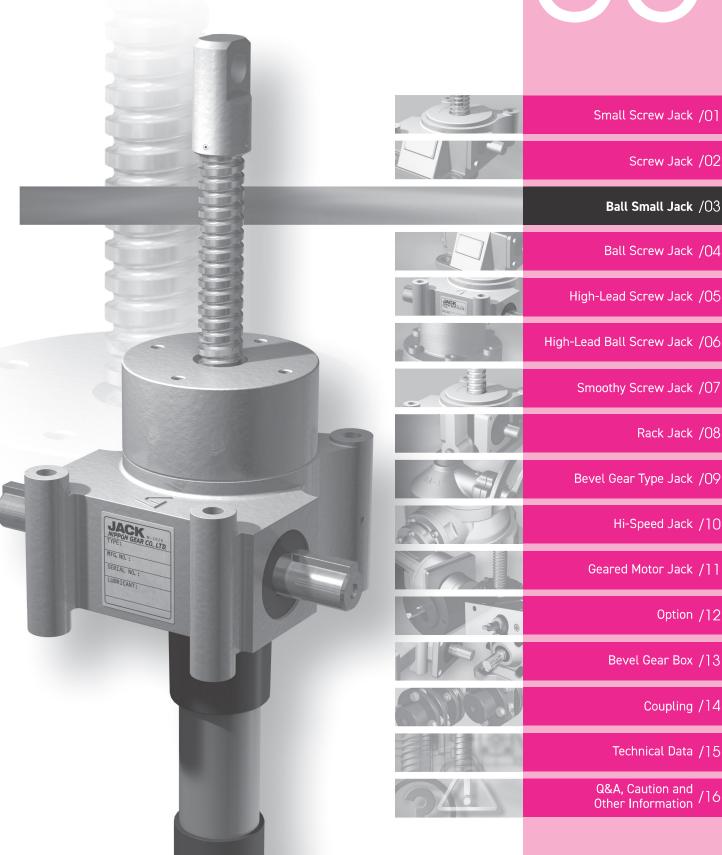
Ball Small Jack

High performance, high efficiency, lightweight and compact

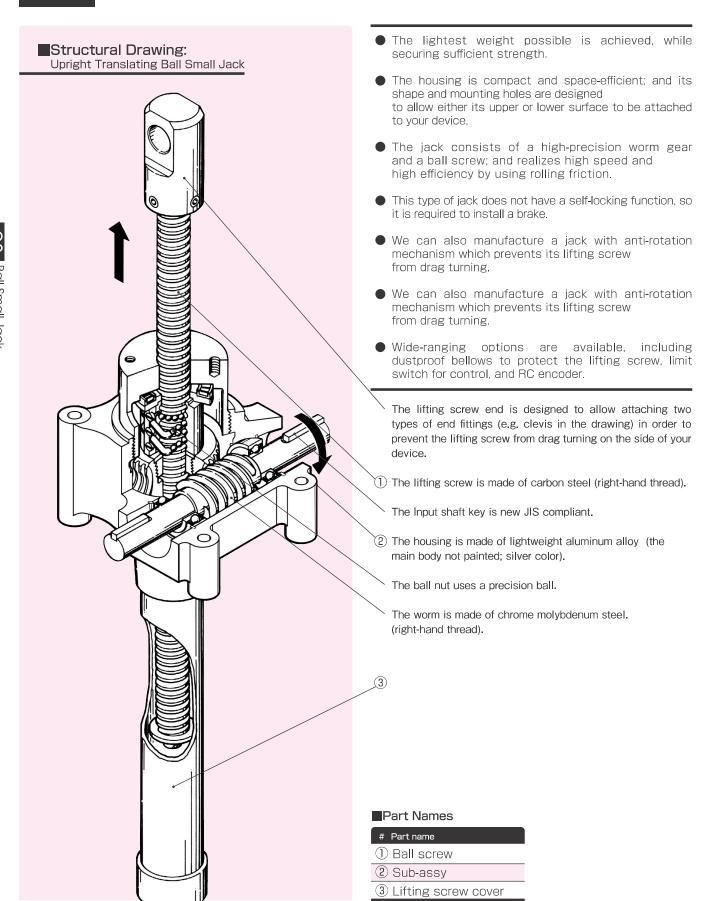
03





Ball Small Jack: Structure & Features

Extremely compact, lightweight, and easy-to-use jacks, delivering high performance similar to standard ball jacks





Standard Specifications

Series/size code RSB							
Capacity							
Lifting screw diameter							
Lifting screw lead							
Н	5						
L	24						
Н	0.64						
L	0.36						
Maximum allowable power per jack							
Input shaft torque at no load (b)							
Н	0.25						
L	0.09						
Н	1.15N·m						
L	0.52N·m						
Н	1 N·m						
L	0.15N·m						
Н	10						
L	48						
Н	1.Omm						
L	0.21mm						
Maximum allowable input rotation speed							
Anti-rotation key torque at maximum load							
Input shaft allowable overhang load							
Amount of filled grease							
Operating temperature range							
	L H L H L H L H L H L H L H L H L H L H						



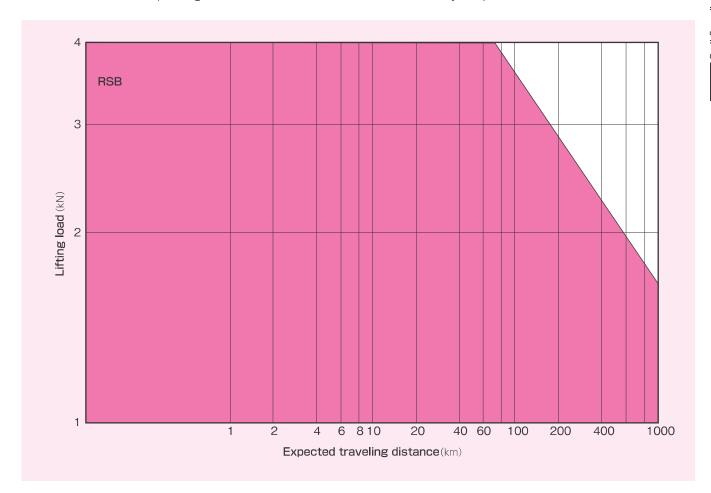
Lifting Load / Lifting Screw Speed Graph

In case of worm gear ratio H, when the lifting load is 4kN, the maximum lifting screw speed is 2000 mm/min. In case of worm gear ratio L, when the lifting load is 4kN, the maximum lifting screw speed is 416 mm/min.

Expected traveling distance

Expected Traveling Distance

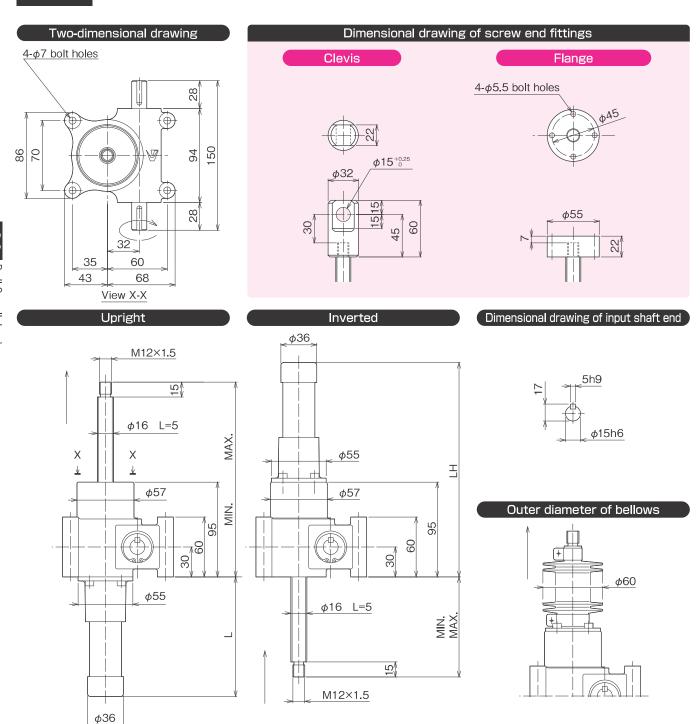
The ball screw life, similarly to the bearing life, is determined by the flaking of the ball rotating surface due to fatigue. The following graph shows the relationship between load on the ball screw and traveling distance. It is necessary to consider the following factors which affect the ball screw life: installed conditions, loading conditions, frequency of use, operating conditions, lubrication conditions, surrounding environment, maintenance conditions. Furthermore, when selecting a jack, you also need to consider other machine and seal components, taking into account operating conditions. Please contact us to find necessary components.





Dimensional Drawing: RSB Translating Ball Small Jack

When the input shaft rotates in the direction indicated by an arrow, the lifting screw ascends.



RSB Ball Small Jack Measurement Table

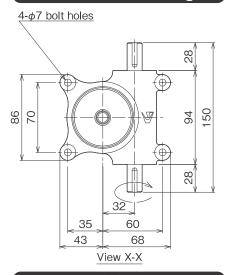
	U: Upright					I: Inverted						
Stroke	N: Without bellows			B: With bellows			N: Without bellows			B: With bellows		
	MIN.	MAX.	L	MIN.	МАХ.	L	MIN.	MAX.	LH	MIN.	MAX.	LH
100	130	230	150	180	280	250	35	135	245	85	185	345
200	130	330	250	180	380	350	35	235	345	85	285	445
300	130	430	350	210	510	450	35	335	445	115	415	545
400	130	530	450	210	610	550	35	435	545	115	515	645
500	130	630	550	220	720	650	35	535	645	125	625	745
600	130	730	650	220	820	850	35	635	745	125	725	945
800	130	930	850	270	1070	1050	35	835	945	175	975	1145

[·] If your required stroke is not shown in the above table, please consult with us, as we can manufacture what you need.

Dimensional Drawing: RSB Traveling Nut Type Ball Small Jack When the input shaft rotates in the direction indicated by an arrow, the traveling nut ascends.

For information on sizes of the jack with bellows, please contact us.

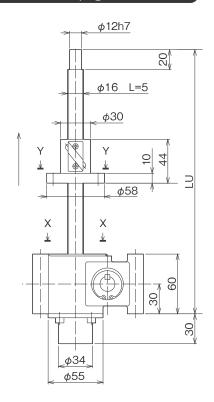
Two-dimensional drawing

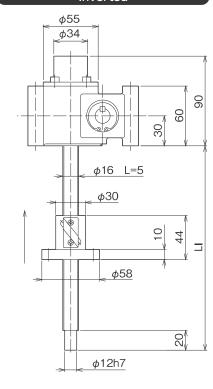


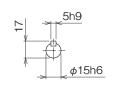
Upright

Inverted

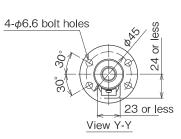
Dimensional drawing of input shaft end







Traveling Nut



Approximate Weight (kg)

	Approximate weight (kg)							
	Stroke	Traveling						
Stroke		Without bellows	With bellows	nut type				
	100	2.5	2.9	2.5				
ĺ	200	2.7	3.1	2.7				
	300	2.9	3.3	2.9				
ĺ	400	3.1	3.5	3				
	500	3.3	3.7	3.2				
ĺ	600	3.5	4.2	3.4				
	800	3.9	5	3.8				

■RSB

	Traveling nut typ					
Stroke	U: Upright	I: Inverted				
	LU	LI				
100	265	205				
200	365	305				
300	465	405				
400	565	505				
500	665	605				
600	765	705				
800	965	905				

[·] If your required stroke is not shown in the above table, please consult with us, as we can manufacture what you need.