

TRUNNION ADAPTERS

WORM GEAR SCREW JACK ACCESSORIES TECHNICAL DATA



Nook ActionJac™ Trunnion adapter plates allow for easy installation in applications where the jack moves through an arc during operation. These jacks are typically configured with motor mounts or right angle reducers.

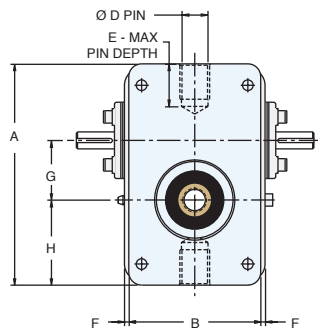
Trunnion adapter plates bolt to the jack flange and have precision bores for trunnion pins.

Design Information

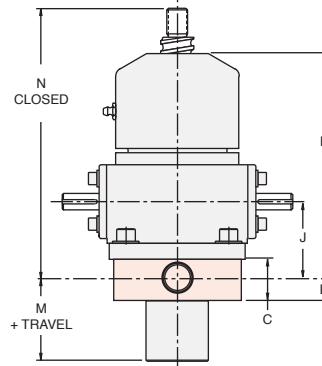
The trunnion pins should be supported to within 1/16 inch of the trunnion adapter plate. See the “A” dimension in the table for the width of the mounting plate. The maximum distance between the trunnion pin support mounting surfaces should be less than or equal to the “A” dimension plus 0.13 inches.

The trunnion pins should be ground to the “D” diameters shown in the table. The trunnion pins should be made from steel with a hardness greater than 30 HRC and a yield strength greater than 60,000 psi.

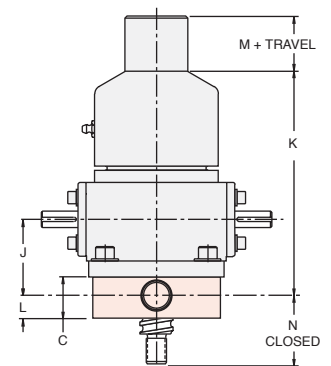
BSJ and MSJ Trunnion Bottom View



BSJ-U
(Ball Screw Upright)

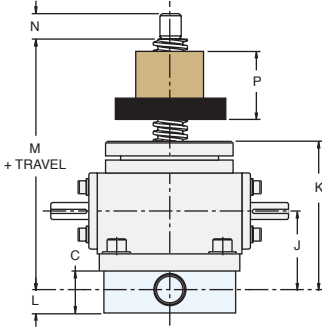


BSJ-I
(Ball Screw Inverted)



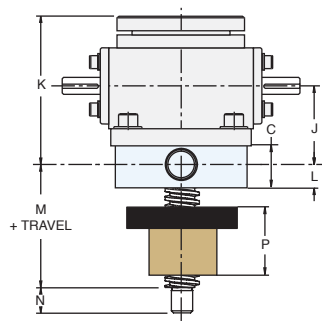
BSJ-UR and MSJ-UR

(Ball and Machine Screw Upright Rotating)



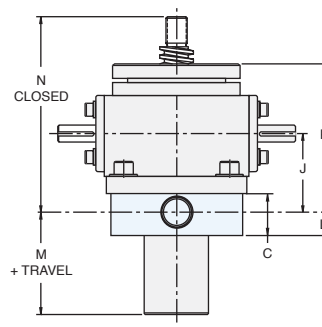
BSJ-IR and MSJ-IR

(Ball and Machine Screw Inverted Rotating)



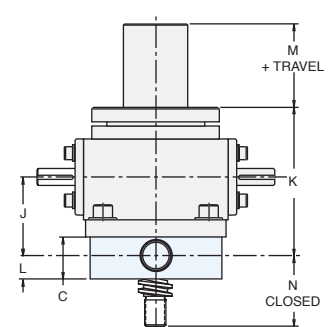
MSJ-U

(Machine Screw Upright)



MSJ-I

(Machine Screw Inverted)



JACK MODEL TRUNNION PART #	COMMON DIMENSIONS FOR U, I, UR & IR										UPRIGHT			INVERTED			UPRIGHT ROTATING				INVERTED ROTATING			
	A	B	C	D	E	F	G	H	J	L	K	M	N	K	M	N	K	M	N	P	K	M	N	P
2.5-MSJ TA-0025	6.50	3.88	1.25	.7491 .7479	1.25	.13	1.750	2.50	2.32	.69	4.38	1.38	5.75	4.38	.69	2.06	4.38	7.38	.75	2.00	4.38	3.69	.75	2.00
5-MSJ TA-0050	8.25	5.75	1.50	.9991 .9979	1.50	.13	2.188	3.13	2.94	.81	5.44	1.44	7.69	5.44	.63	3.06	5.44	9.44	1.00	3.00	5.44	4.81	1.00	3.00
10-MSJ TA-0100	9.00	7.00	1.97	1.2488 1.2472	1.38	.13	2.600	3.00	3.13	1.09	5.75	1.72	7.75	5.75	.63	3.12	5.75	9.75	2.00	3.00	5.75	5.12	2.00	3.00
20-MSJ TA-0200	11.25	8.00	2.25	1.4988 1.4972	1.75	.13	2.875	4.25	4.25	1.25	7.75	1.88	10.25	7.75	.63	3.75	7.75	12.25	2.50	3.50	7.75	5.75	2.50	3.50
2.5-BSJ TA-0025	6.50	3.88	1.25	.7491 .7479	1.25	.13	1.750	2.50	2.32	.69	6.81	2.31	8.19	6.81	1.63	2.06	4.38	7.75	1.13	2.38	4.38	4.06	1.13	2.38
5-BSJ TA-0050	8.25	5.75	1.50	.9991 .9979	1.50	.13	2.188	3.13	2.94	.81	10.00	2.31	11.88	10.00	1.75	3.06	5.44	10.75	1.50	4.31	5.44	6.13	1.50	4.31
10-BSJ TA-0100	9.00	7.25	2.00	1.2488 1.2472	1.50	.13	2.600	3.00	3.13	1.12	10.00	2.75	12.25	10.00	1.63	3.37	5.75	11.06	1.50	4.31	5.75	6.44	1.50	4.31
20-BSJ TA-0200	11.25	8.00	2.25	1.4988 1.4972	1.75	.13	2.875	4.25	4.25	1.25	15.75	3.63	18.25	15.75	2.38	3.75	7.75	15.50	2.75	6.75	7.75	9.00	2.75	6.75

The specifications and data in this publication are believed to be accurate and reliable. However, it is the responsibility of the product user to determine the suitability of Nook Industries products for a specific application. While defective products will be replaced without charge if promptly returned, no liability is assumed beyond such replacement.