

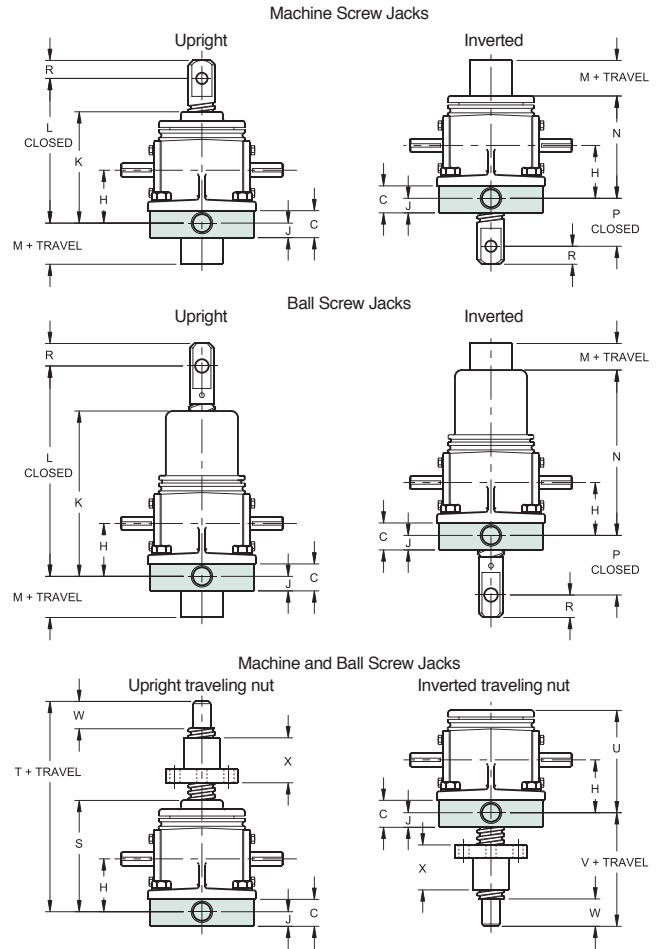
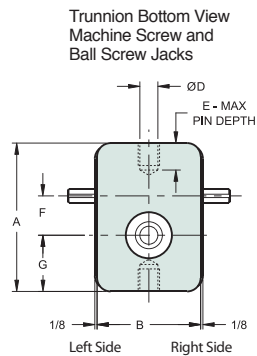
OPTIONS TRUNNION MOUNTS

Options – Trunnion Mounting Adapters

Trunnion adapter plates bolt to the base of 2-ton through 20-ton jacks. They include precision bores for trunnion pins. These are frequently used in installations where a single* jack moves through an arc during operation. This jack is often configured with a motor mount or as a ComDRIVE®.

Design Information

The customer supplied trunnion pins should be ground to the “D” diameter shown in the table below. These pins should be made of steel with hardness greater than 30 HRC, a yield strength greater than 60,000 psi and be supported to within 1/16 inch of the trunnion adapter plate. Therefore the distance between the customer’s mounting surfaces should be no more than “A” + 0.13 inch.



Jack Model	Common Dimensions										Upright - Inverted						Upright - Inverted Traveling Nut					
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	X	
Machine Screw	2 Ton RWJT/DRWJ	7 1/4	3 1/4	1 1/4	.7491 .7479	1 1/4	1.703	3 1/8	2 5/16	11/16	4 11/16	5 3/8	0	4 5/16	2 1/16	11/16	4 11/16	8 3/16	4 3/4	4 13/16	1 1/16	1 1/2
	3 Ton WJ/DWJ	6 1/2	3 7/8	1 1/4	.7491 .7479	1 1/4	1.750	2 1/2	2 5/16	11/16	4 3/8	6 5/8	1/8	4 3/8	2 3/8	3/4	4 3/8	8 1/8	4 3/8	5 1/8	3/4	2
	5 Ton WJT/DWJ	8 1/4	5 3/4	1 1/2	.9991 .9979	1 1/2	2.188	3 1/8	2 15/16	13/16	6 3/16	7 3/16	0	5 11/16	1 13/16	1	6 3/16	11 3/16	6 3/16	6 13/16	1 1/2	2 1/2
	10 Ton WJ/DWJ	9	7 1/4	2	1.2488 1.2472	1 1/2	2.598	3	3 1/8	1 1/8	6 1/8	7 1/2	0	6	2 1/2	1 5/16	6 1/8	13 1/8	6 1/8	8 7/8	1 31/32	3
	15 Ton WJ/DWJ	9 1/2	7 1/2	2 1/4	1.4988 1.4972	1 3/4	2.598	3 1/2	3 3/4	1 1/4	7	8 3/8	0	6 7/8	2 5/8	1 5/16	7	13	7	7 11/16	1 31/32	3
	20 Ton WJ/DWJ	11 1/4	8	2 1/4	1.4988 1.4972	1 3/4	2.598	4 1/4	4 1/4	1 1/4	8 1/4	9 5/8	0	8 1/4	2 5/8	1 3/8	8 1/4	14 1/4	8 1/4	8	1 15/16	3
Ball Screw	2 Ton RWB/RHWB	7 1/4	3 1/4	1 1/4	.7491 .7479	1 1/4	1.703	3 1/8	2 5/16	11/16	7	9 7/16	9/16	7	2 9/16	3/4	4 11/16	9 7/16	4 11/16	6 1/16	1 1/8	3 1/8
	5 Ton WB	8 1/4	5 3/4	1 1/2	.9991 .9979	1 1/2	2.188	3 1/8	2 15/16	13/16	9 7/16	12 3/4	11/16	9 7/16	4 3/4	1 1/4	6 3/16	12 3/16	6 3/16	7 1/2	1 1/8	4 1/2
	5 Ton HWB	8 1/4	5 3/4	1 1/2	.9991 .9979	1 1/2	2.188	3 1/8	2 15/16	13/16	9 7/16	12 3/4	11/16	9 7/16	4 3/4	1 1/4	6 3/16	11 5/8	6 3/16	6 15/16	1 1/8	3 25/32
	10 Ton WBL	9	7 1/4	2	1.2488 1.2472	1 1/2	2.598	3	3 1/8	1 1/8	9 9/16	12 3/4	11/16	9 9/16	3	1 1/4	6 1/8	12 3/4	6 1/8	8 7/16	1 3/4	4 1/2
	10 Ton HWBL	9	7 1/4	2	1.2488 1.2472	1 1/2	2.598	3	3 1/8	1 1/8	9 9/16	12 3/4	11/16	9 9/16	3	1 1/4	6 1/8	12 3/16	6 1/8	7 7/8	1 3/4	3 25/32
	10 Ton WB/HWB	9	7 1/4	2	1.2488 1.2472	1 1/2	2.598	3	3 1/8	1 1/8	13 1/8	16 3/8	11/16	13 1/8	3 1/8	1 1/4	6 1/8	15 5/16	6 1/8	10 3/8	2	6 5/8
20 Ton WB	11 1/4	8	2 1/4	1.4988 1.4972	1 3/4	2.598	4 1/4	4 1/4	1 1/4	15 3/16	19 7/8	3/8	15 3/16	4	1 1/2	8 1/4	18 1/4	8 1/4	12	2 3/4	6 3/4	

Trunnion adapters mounted to inverted jacks will decrease the minimum closed dimension and may shorten the travel.

*Contact Joyce/Dayton if multiple trunnion-mounted jacks will be used in a system.

Note: Drawings are artist’s conception — not for certification; dimensions are subject to change without notice.