



INCH MACHINE SCREW JACKS TECHNICAL DATA



ActionJac™ Anti-backlash Machine Screw Jacks may be ordered with worm gear sets and lift shafts specifically designed to provide 0.01 inch of travel for each revolution of the input shaft. Referred to as “Numeric Ratio” jack, these units are usually manually operated to precisely position machine components such as end stops or calender rolls.

These jacks can be supplied with handwheels and counters (see ActionJac™ accessories section) to provide immediate positional feedback to an operator. ActionJac™ Numeric Ratio Anti-backlash Machine Screw Jacks retain all the performance characteristics of standard machine screw jacks.

## NUMERIC RATIO JACKS

JACK SIZES					JACK SELECTION									Page Ref
MODEL	Capacity (lbs.)	Lifting Screw Dia. (in)	Screw Lead (in)	Root Dia. (in)	Gear Ratio	Turns of Worm for 1" Travel	Maximum Input Torque (in.-lb.)	Maximum Allowable Input (hp)	Maximum Worm Speed at Rated Load	Maximum Load at 1750 RPM	Torque to Raise 1 lb. (in.-lb.)	Tare Drag Torque (in.-lb.)		
MJAB-100	1,000	0.625	0.200	0.377	20:1	100	8.7	0.17	1210	690	0.009	1.0	319	
1AB-MSJ	2,000	0.750	0.200	0.502	20:1	100	21	0.26	750	855	0.011	3.0	320	
2AB-MSJ	4,000	1.000	0.250	0.698	25:1	100	41	0.51	780	1780	0.010	4.0	321	
2.5AB-MSJ	5,000	1.000	0.250	0.698	25:1	100	51	0.51	625	1785	0.010	5.0	323	
5AB-MSJ	10,000	1.500	0.250	1.196	25:1	100	116	0.67	365	2085	0.012	10.0	324	
10AB-MSJ	20,000	2.000	0.250	1.694	25:1	100	309	1.38	282	3225	0.015	20.0	325	
15AB-MSJ	30,000	2.250	0.250	1.944	25:1	100	505	1.33	165	2835	0.017	20.0	326	
20AB-MSJ	40,000	2.500	0.250	2.193	25:1	100	712	2.32	205	4690	0.018	40.0	327	