

Baldor•Dodge MTA: Customer Shaft Length Requirements

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On Baldor•Dodge Motorized Torque-Arm II (MTA) reducers, the driven shaft must extend through the output hub as specified below. The minimum shaft length, as measured from the end of the shaft to the outer edge of the bushing flange (see Figure 1), is given in Table 1. This dimension does not include dimension “A”. Dimension “A” is found in Table 1 and should be added to the minimum shaft length to allow for the removal of the bushings at disassembly.

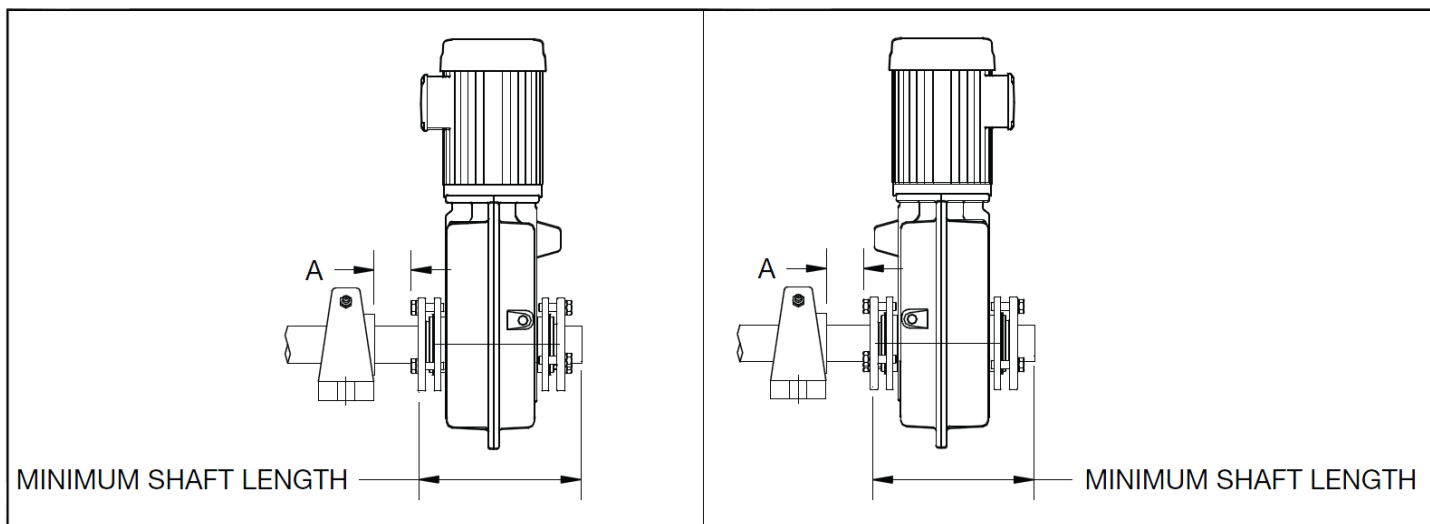


Figure 1 – Minimum Recommended Dimensions

Table 1 - Minimum Required Shaft Lengths			
Reducer Size	Standard Taper Bushing	Short Shaft Bushing	Bushing Screw Clearance "A"
MTA2115H	7.80	4.80	1.20
MTA3203H	8.55	5.46	1.20
MTA4207H	8.94	5.66	1.48
MTA5215H	10.33	6.35	1.81
MTA6307H	10.82	6.72	1.81
MTA7315H	11.87	7.62	2.06
MTA8407H	12.82	8.10	2.06