

MagnaDrive™
CORPORATION

MagZone™ 

MagZone 200 - 700 Series
10 - 1500 hp



HIGHLIGHTS

- ATEX Rated 
- No Physical Connection Between Motor and Load
- Up to 80% Vibration Reduction
- 1/4" Misalignment Tolerance
- Synchronous RPM Transfer - No RPM Slip
- Safe, Reliable Over Torque Protection of Critical Equipment
- Automatic Re-Set
- Compact Design
- No Maintenance Required
- Eliminates Vibration Transfer Between Motor and Load
- Lowest Total Cost of Ownership
- Accepts Significant Misalignment
- Simple Installation & Operation
- Increases Seal & Bearing Life

APPLICATIONS

Ideal for industrial, wastewater and oil & gas applications that are subject to:

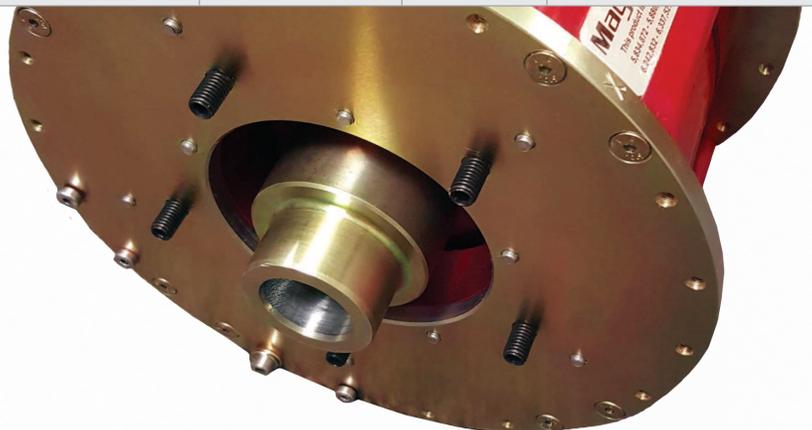
- Moderate to Severe Misalignment
- Load Seizures
- Pulsating Loads
- Thermal Expansion
- Shock Loading
- Tight Space Constraints

THE SYNCHRONOUS SOLUTION FOR MISSION CRITICAL EQUIPMENT

MagZone™ from MagnaDrive™ harnesses the power of a no-contact, magnet-to-magnet synchronous connection. Compact and tough, the interior sequence of our patented design uses Neodymium-Iron-Boron magnets—the strongest permanent magnets in the world. The MagZone Series maximizes torque while eliminating any magnetic slip, resulting in consistent performance for vital equipment, with zero RPM's lost.

MagZone Series Torque Rating

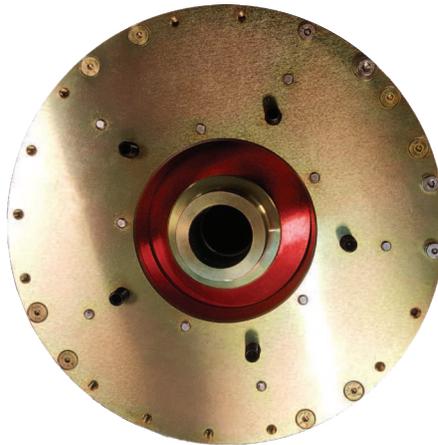
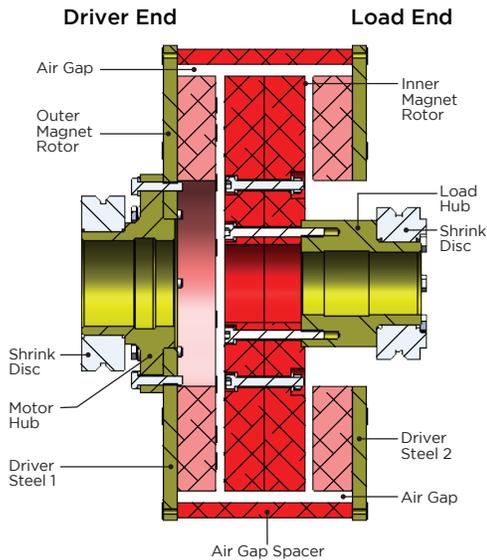
Model	Torque (Ft-lb)	Motor RPM Limit	HP Rating 1.4 Service Factor
MagZone-200	Up to 100	3600	25 HP @ 1800 RPM 50 @ 3600 RPM
MagZone-300	Up to 650	3600	150HP @ 1800 RPM 300 @ 3600 RPM
MagZone-400	Up to 1500	1800	375 HP @ 1800 RPM 750 @ 3600 RPM
MagZone-500	Up to 2500	1800	600 @ 1800 RPM
MagZone-600	Up to 3950	1800	1000 @ 1800 RPM
MagZone-700	Up to 6900	1800	1500 @ 1800 RPM



MagnaDrive MagZone Series Sizing

1800 Motor Speed (RPM)							1200 Motor Speed (RPM)						
HP	Service Factor						HP	Service Factor					
	1.2	1.4	1.6	1.8	2.0	2.5		1.2	1.4	1.6	1.8	2.0	2.5
10	MZ-200	MZ-200	MZ-200	MZ-200	MZ-200	MZ-200	10	MZ-200	MZ-200	MZ-200	MZ-200	MZ-200	MZ-300
15	MZ-200	MZ-200	MZ-200	MZ-200	MZ-200	MZ-300	15	MZ-200	MZ-200	MZ-300	MZ-300	MZ-300	MZ-300
20	MZ-200	MZ-200	MZ-200	MZ-200	MZ-300	MZ-300	20	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300
25	MZ-200	MZ-200	MZ-300	MZ-300	MZ-300	MZ-300	25	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300
30	MZ-200	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	30	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300
40	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	40	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300
50	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	50	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300
60	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	60	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300
75	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	75	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-400
100	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	100	MZ-300	MZ-300	MZ-300	MZ-300	MZ-400	MZ-400
125	MZ-300	MZ-300	MZ-300	MZ-300	MZ-300	MZ-400	125	MZ-300	MZ-300	MZ-400	MZ-400	MZ-400	MZ-400
150	MZ-300	MZ-300	MZ-300	MZ-300	MZ-400	MZ-400	150	MZ-300	MZ-400	MZ-400	MZ-400	MZ-400	MZ-400
200	MZ-300	MZ-400	MZ-400	MZ-400	MZ-400	MZ-400	200	MZ-300	MZ-400	MZ-400	MZ-400	MZ-400	MZ-400
250	MZ-400	MZ-400	MZ-400	MZ-400	MZ-400	MZ-500	250	MZ-400	MZ-400	MZ-500	MZ-500	MZ-500	MZ-500
300	MZ-400	MZ-400	MZ-400	MZ-400	MZ-500	MZ-500	300	MZ-400	MZ-500	MZ-500	MZ-500	MZ-500	MZ-500
350	MZ-400	MZ-400	MZ-400	MZ-500	MZ-500	MZ-500	350	MZ-500	MZ-500	MZ-500	MZ-500	MZ-500	MZ-500
400	MZ-400	MZ-400	MZ-500	MZ-500	MZ-500	MZ-500	400	MZ-500	MZ-500	MZ-600	MZ-600	MZ-600	MZ-600
450	MZ-400	MZ-500	MZ-500	MZ-500	MZ-500	MZ-500	450	MZ-500	MZ-600	MZ-600	MZ-600	MZ-600	MZ-700
500	MZ-500	MZ-500	MZ-500	MZ-600	MZ-600	MZ-600	500	MZ-600	MZ-600	MZ-600	MZ-600	MZ-700	MZ-700
600	MZ-600	MZ-600	MZ-600	MZ-600	MZ-600	MZ-700	600	MZ-600	MZ-600	MZ-700	MZ-700	MZ-700	-
700	MZ-600	MZ-600	MZ-600	MZ-600	MZ-600	MZ-700	700	MZ-600	MZ-700	MZ-700	MZ-700	MZ-700	-
800	MZ-600	MZ-600	MZ-600	MZ-700	MZ-700	MZ-700	800	MZ-700	MZ-700	MZ-700	-	-	-
900	MZ-700	MZ-700	MZ-700	MZ-700	MZ-700	-	900	MZ-700	MZ-700	-	-	-	-
1000	MZ-700	MZ-700	MZ-700	MZ-700	MZ-700	-	1000	MZ-700	MZ-700	-	-	-	-
1250	MZ-700	MZ-700	MZ-700	-	-	-							
1500	MZ-700	MZ-700	-	-	-	-							

MagZone 300



MagZone Service Factor Guidelines

MagZone Peak Torque	in-lb
MZ-200	1239
MZ-300	9558
MZ-400	19607
MZ-500	29411
MZ-600	49018
MZ-700	73528
Centrifugal Pump	1.3
Fan/Blower	1.3
Blower; Rotary/Lobe/Vane	1.5
Centrifugal Pump, Ansi	1.5
Belt Conveyor, Uniform Load	1.6
Bucket Elevator	1.6
Fan, Id (Induced Draft)	1.6
Belt Conveyor, Non-Uniform Load	1.8
Mixer	1.8
Barker Drum / Pulper Drum	2.0
Rotary Kiln	2.0
Reciprocating Compressor	2.0
Ball/Rod Mill	2.5
Reciprocating Conveyor	2.5
Crusher	2.5
Air Pre-Heater	2.5

THE MAGNADRIIVE ADVANTAGE

MagnaDrive is the world leader in magnetic power transfer. Our couplings and Adjustable Speed Drives transfer torque across an air gap, eliminating the physical connection between motor and load. Friction-free power transfer reduces harmful vibration, increases misalignment tolerance, minimizes wear and tear on equipment, and increases motor and equipment life, creating a lower total cost of ownership than standard couplings and a lifetime of unwavering performance.



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