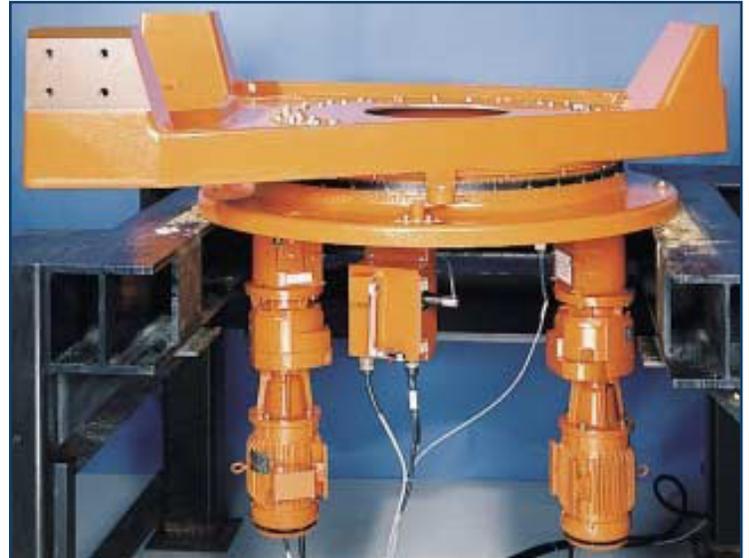


Model 3200 Rotator (LRASP)

Model 3200 Rotator Features

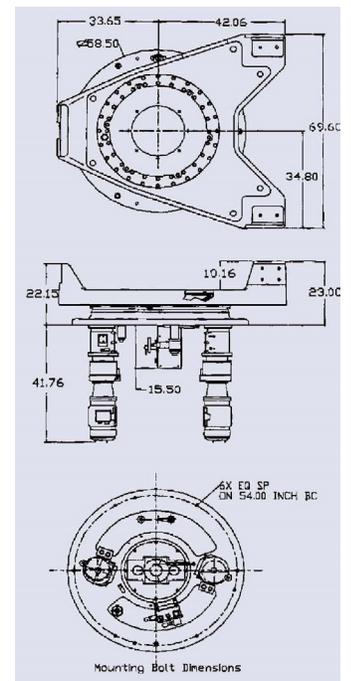
- Type Tested for Operation in Extreme Environments
- Versatile and Rugged -Supports up to 18,000 lb. payloads
- Dual Redundant Drives
- Oil Bath Sump Bearing Lubrication
- Developed from FAA approved base Designs



The Kratos Model ATC 3200 Rotator is ideally suited for air traffic control (ATC) and other surveillance applications where precise rotation rate control is a key factor. Type tested for extreme environment operations, the model ATC 3200 is also ideal for other radome-enclosed, fixed ground long-range surveillance applications. The Model ATC 3200 Rotator is an AC controlled, long-range air surveillance pedestal featuring dual helical gearboxes, AC motors, and junction box assembly. The Model 3200 Rotator is the high performance AC version of Kratos' Model 3200DC Rotator currently fielded at over sixty-five FAA sites throughout the US. The base design for the Model 3200 Rotator was type tested under the FAA's ARSR-4 Air Route Surveillance Radar Program.

The 3200 rotator version with AC motor drives (LRASP) is widely deployed throughout the world.

The Model 3200DC Rotator is manufactured from ASTM Grade 65-45-12 Ductile Iron castings. It supports payload weights up to 18,000 lbs., and is equipped with overrunning clutches which protect the drivetrains in the event of a torque overload. The rotator allows the main sluing bearing to be removed without disturbing the alignment of the antenna, and the drivetrains can be removed and replaced without stopping rotation. It also provides a cursor ring which reports azimuthal position, and a holding brake for protection of personnel during maintenance activities. It is oil lubricated, sealed against rain and dust intrusion, and is temperature qualified from -55 to + 70 degrees Celsius. It comes equipped with an oil level sensor for monitoring the main sump, and an interlocking stowpin.



Precision and Control in a proven rotator

Setting the standard for value, Kratos' complete line of cost-effective rotators offer proven quality, reliability, and performance. Recognized throughout the industry, our rotator designs meet or have evolved from stringent FAA qualification standards and have proven themselves in the field. Kratos provides air traffic control (terminal-and long-range) surveillance systems designed with a single source of configurable rotators, controls, and antennas. Designers of special tactical applications can also benefit from Kratos' long experience, superior product performance, and industry-leading expertise in rotator engineering.

To simplify and reduce the costs of system acquisition, installation, operation, and maintenance, Kratos offers complete system solutions with its line of positioners, pedestals, and control electronics.

CHARACTERISTICS

Bull Gear Data		Bearing Data	
Tooth Form	External Spur	Ball Path Diameter (inch)	31.875
Diametral Pitch	8	Number of Balls	69
Pitch diameter (inch)	36	Diameter of Balls	1.25
AGMA Class	8	Mounting Bolts	24 x .625-11 UNC
Heat Treat	Induction Hardening	Race Material	ASSI 4150 Steel
Pin/Bull Reduction	16	Preload (inch)	.0005-.002

Performance Specifications*			
Motor, HP	3	5	7.5
Rotation	3-12	3-12	3-12
Peak Torque, ft-lb	2,000	4,200	6450
Peak Dynamic Overturning Moment, ft-lb	75,000	75,000	75,000
Rotator Weight, lbs.	4,800	4,800	4,800
Motor Speed, rpm	1,500/1,800	1,500/1,800	1,500/1,800
Motor Frequency, Hz	50/60	50/60	50/60
Motor Voltage (Volts)	208/380/415	208/380/415	208/380/415
MTBF (hours)	55,000	55,000	55,000
Payload Weight (lbs)	18,000 max.	18,000 max.	18,000 max.

* Performance specifications reflect maximum ratings and do not necessarily occur simultaneously.

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