

Sunflower Energy™

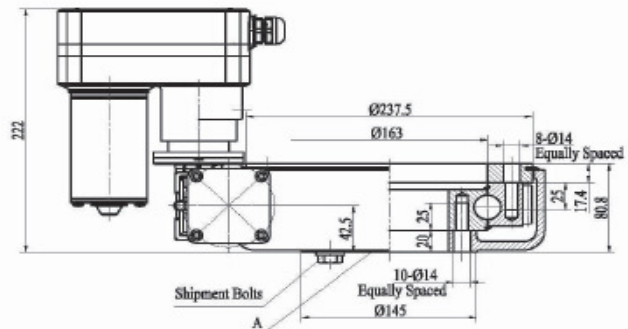
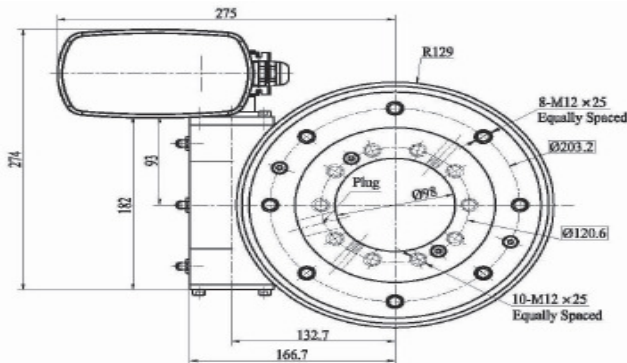
Slewing Drive



Feature / Benefits - motorized slew bearing to drive solar tracking system

- Four standard sizes: GSS-200H, 300H, 400H, 450H
- Totally enclosed housing, extended life expectancy, self-locked function, Easy maintenance
- Industry standard motor connection, Off-the-shelf compatibility
- Anti-rust material, three stage gear reducer, low power consumption with high torques
- Reliable quality
- Totally enclosed housing: Protected from contamination damage and lost of lubrication
- Provides extended life, reduced maintenance cost, enhanced operator safety
- Industry standard motor connection
- Off-the-shelf compatibility
- Reduced lead time and cost, easy field service
- 24 VDC motor
- With gear reducer, low current, low power consumption

GSS-200 – Technical Data

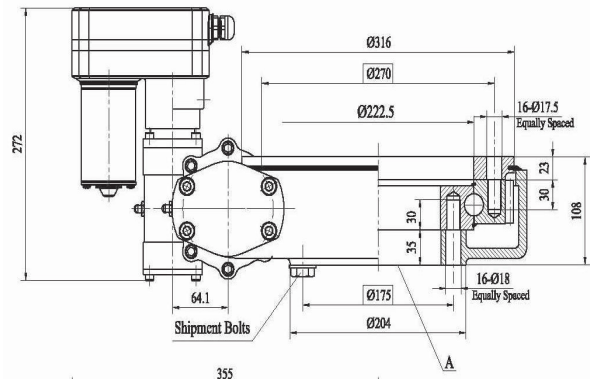
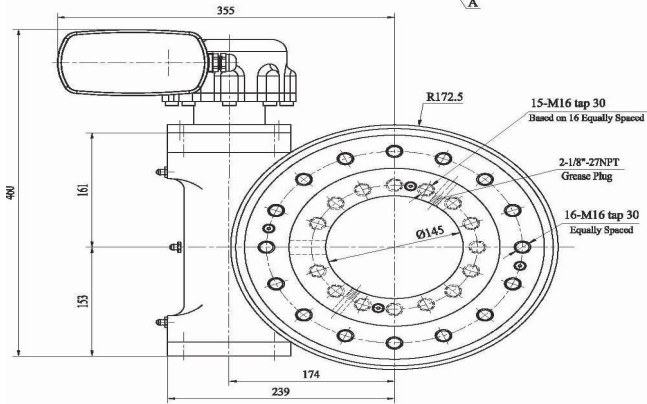


SLEWING DRIVE PERFORMANCE DATA	
1 st Stage Ratio of Worm Gear	1/10
2 nd Stage Ratio of Worm Gear	1/73
Rated Output Speed	0.078 rpm
Rated Output Toque	910 N.m
Output Torque (Max)	1300 N.m
Tilting Movement Torque (Max)	13.5 kN.m

GEARBOX PERFORMANCE DATA	
Output Torque	105 kg.cm
Output Speed	56.9 rpm
Voltage	24 VDC
Rated Current	3 A
Hall Sensor	Sensor

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GSS-300 – Technical Data



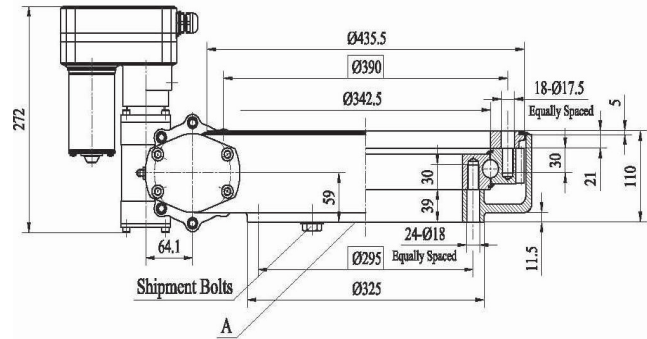
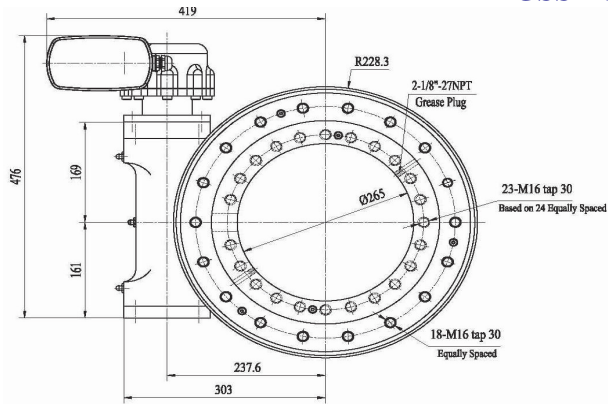
SLEWING DRIVE PERFORMANCE DATA

1 st Stage Ratio of Worm Gear	1/14.5
2 nd Stage Ratio of Worm Gear	1/61
Rated Output Speed	0.064 rpm
Rated Output Toque	1480 N.m
Output Torque (Max)	2960 N.m

GEARBOX PERFORMANCE DATA

Tilting Movement Torque (Max)	33.9 KN.m	Output Torque	105 kg.cm
Holding Torque	38.7 KN.m	Output Speed	56.9 rpm
Axial Load (Max)	338 kN	Voltage	24 VDC
Radial Load (Max)	135 kN	Rated Current	3 A
Tracking Precision	0.1 – 0.14°	Hall Sensor	Sensor

GSS-400 Technical Data



SLEWING DRIVE PERFORMANCE DATA

1 st Stage Ratio of Worm Gear	1/14.5
2 nd Stage Ratio of Worm Gear	1/85
Rated Output Speed	0.046 rpm
Rated Output Toque	2070 N.m
Output Torque (Max)	4140 N.m

GEARBOX PERFORMANCE DATA

Tilting Movement Torque (Max)	67.8 KN.m	Output Torque	105 kg.cm
Holding Torque	48 KN.m	Output Speed	56.9 rpm
Axial Load (Max)	555 kN	Voltage	24 VDC
Radial Load (Max)	222 kN	Rated Current	3 A
Tracking Precision	0.1 – 0.14°	Hall Sensor	Sensor

