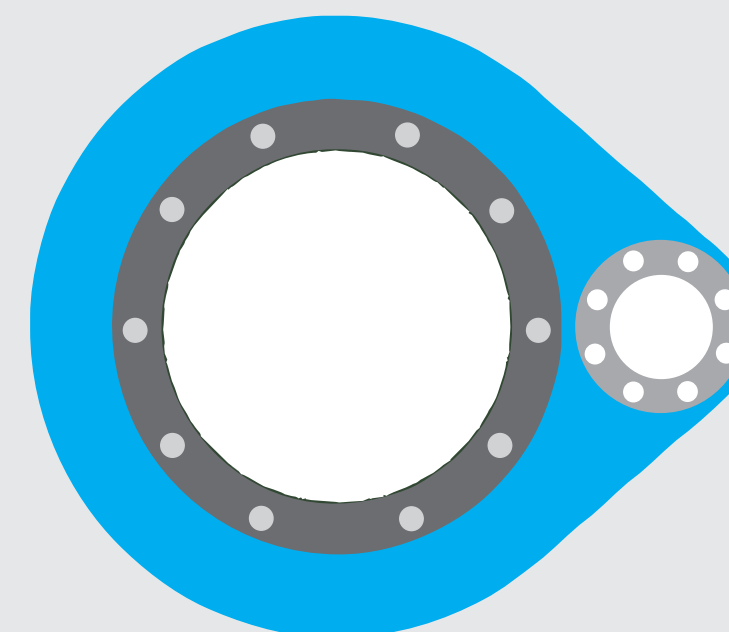
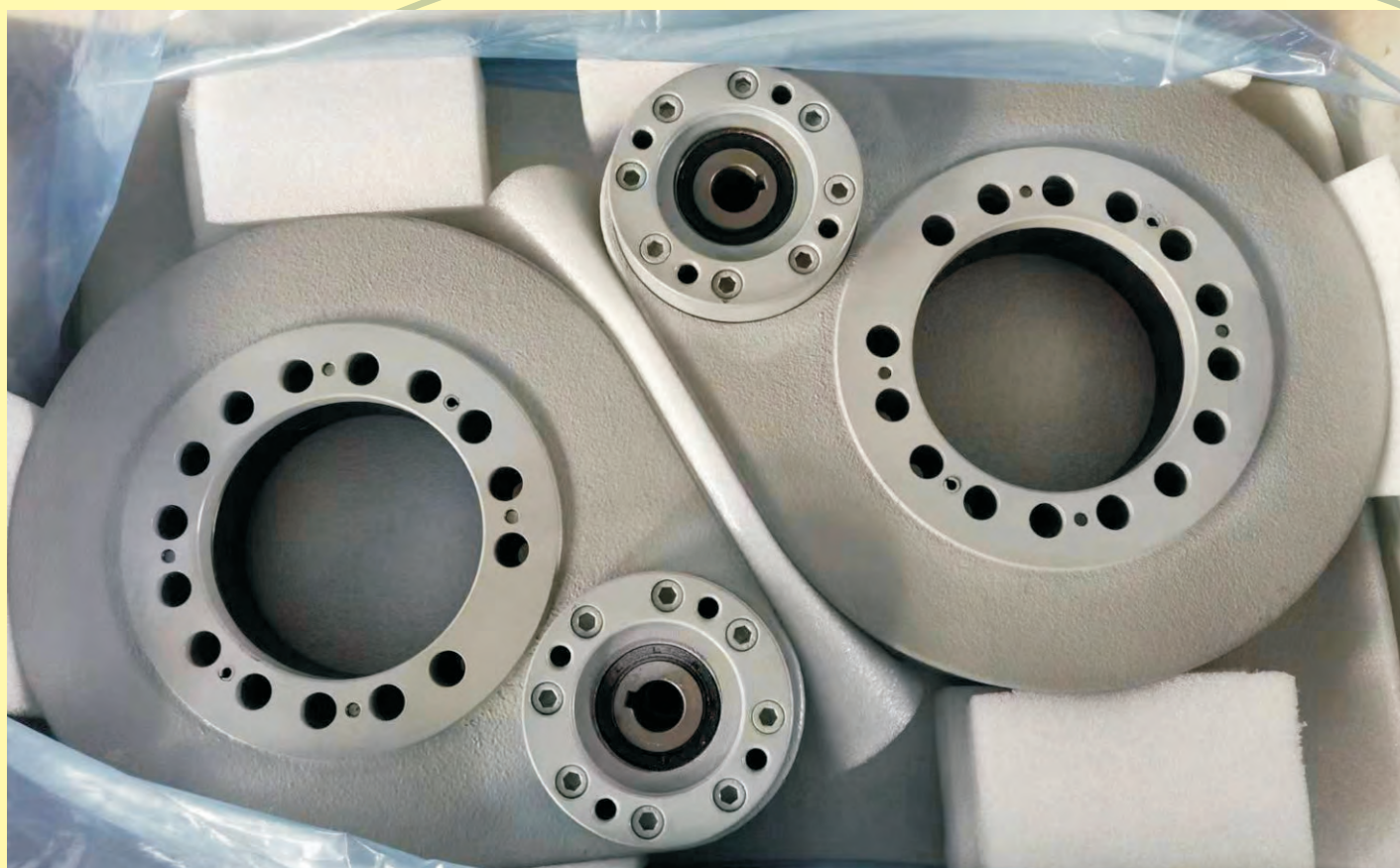
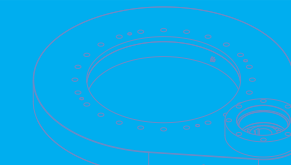




SoCare® ESD Series Spur Gear Slew Drive

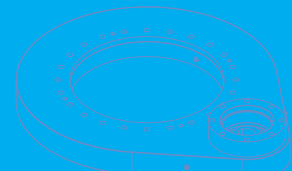


SoCare® spur gear driven sleew drives are engineered for high-load, high-precision rotating applications. The ESD series is enclosed in a housing providing easy and quick installation for a variety of applications. Units can be modified to fit several mounting positions with an option of different flange inputs.

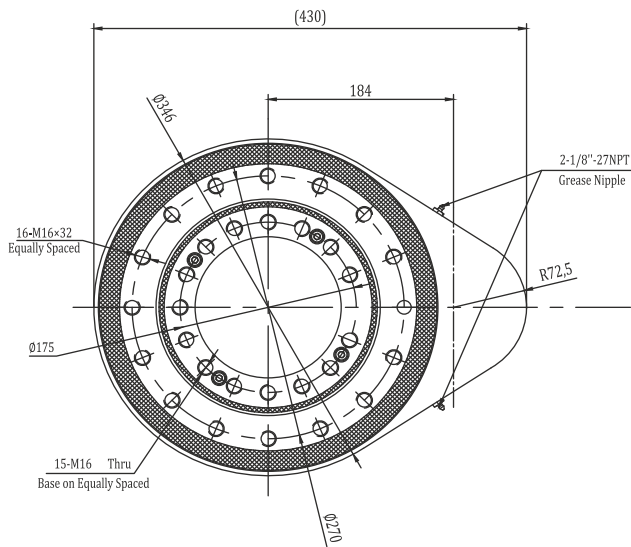
Features:

- °Dustproof and water-resistant housing
- °Input drive mounting flange available in different configurations
- °95% drive efficiency
- °Output speeds from 35 – 175 RPM
- °Sleew Drive supporting axial, radial and moment loads
- °Custom units can be designed to customer applications

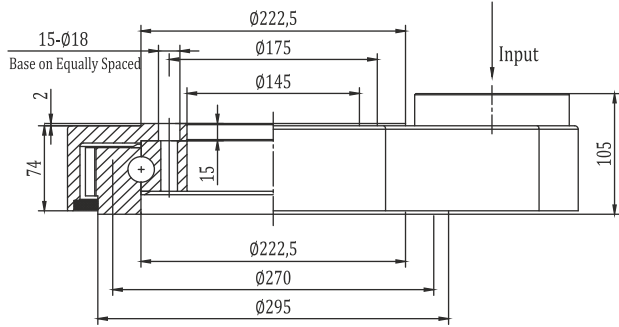




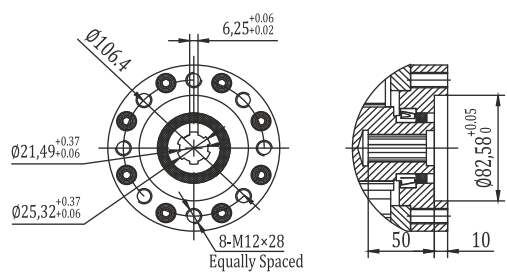
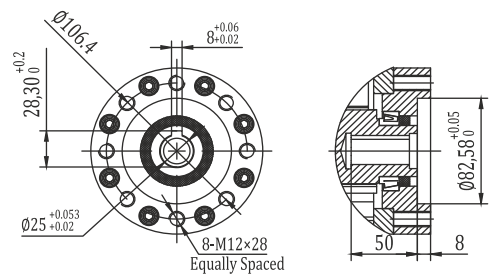
ESD9



VIEW B OPTION
INPUT Ø25 Hole



VIEW B OPTION
INPUT 6B SPLINE



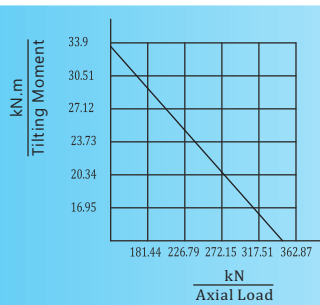
*Made to order input shaft and flange available upon request

ESD9 Slew Drive Performance Parameters

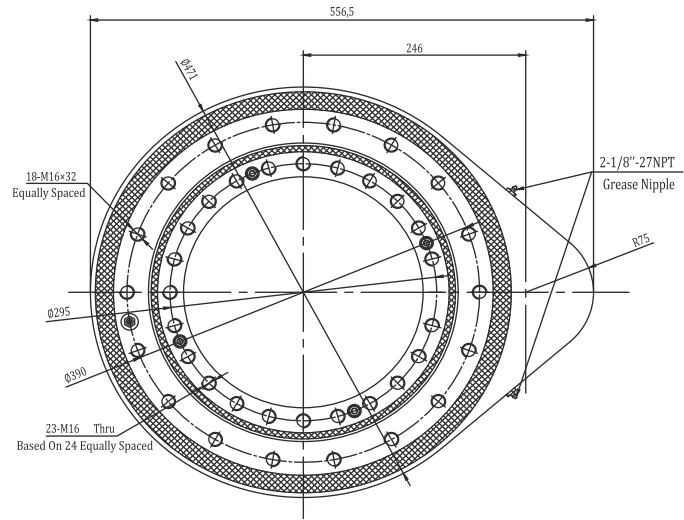
Gear Ratio	5:1	
Output Torque (max.)	3 kN.m	2.2×10 ³ lbf.ft
Tilting Moment (max.)	33.9 kN.m	25×10 ³ lbf.ft
Static Axial Load Rating	338 kN	76.1×10 ³ lbf
Static Radial Load Rating	135 kN	30.4×10 ³ lbf
Mechanical Efficiency	85%~95%	

Precision	≤0.2°
IP Class	IP65

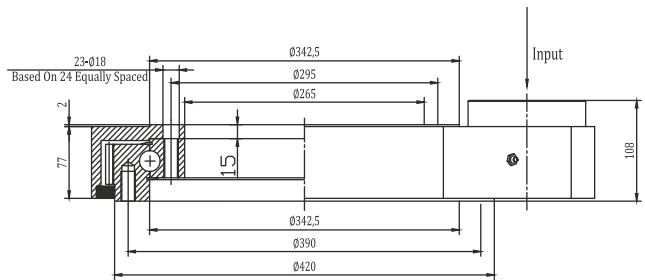
Load Chart
Axial Load & Tilting Moment



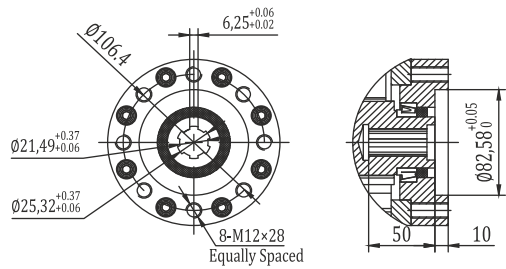
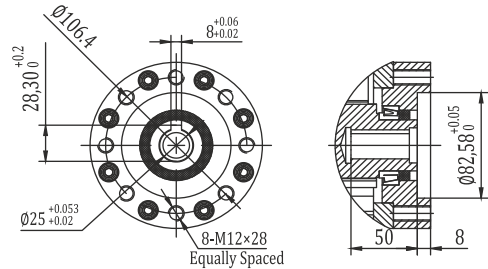
ESD14



VIEW B OPTION
INPUT Ø25 Hole



VIEW B OPTION
INPUT 6B SPLINE



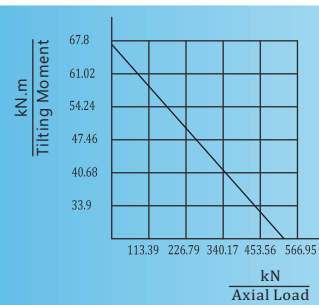
*Made to order input shaft and flange available upon request

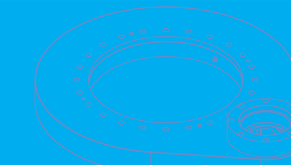
ESD14 Slew Drive Performance Parameters

Gear Ratio	7.2:1	
Output Torque (max.)	4 kN.m	2.95×10 ³ lbf.ft
Tilting Moment (max.)	67.8 kN.m	50×10 ³ lbf.ft
Static Axial Load Rating	555 kN	124.9×10 ³ lbf
Static Radial Load Rating	222 kN	11.9×10 ³ lbf
Mechanical Efficiency	85%~95%	

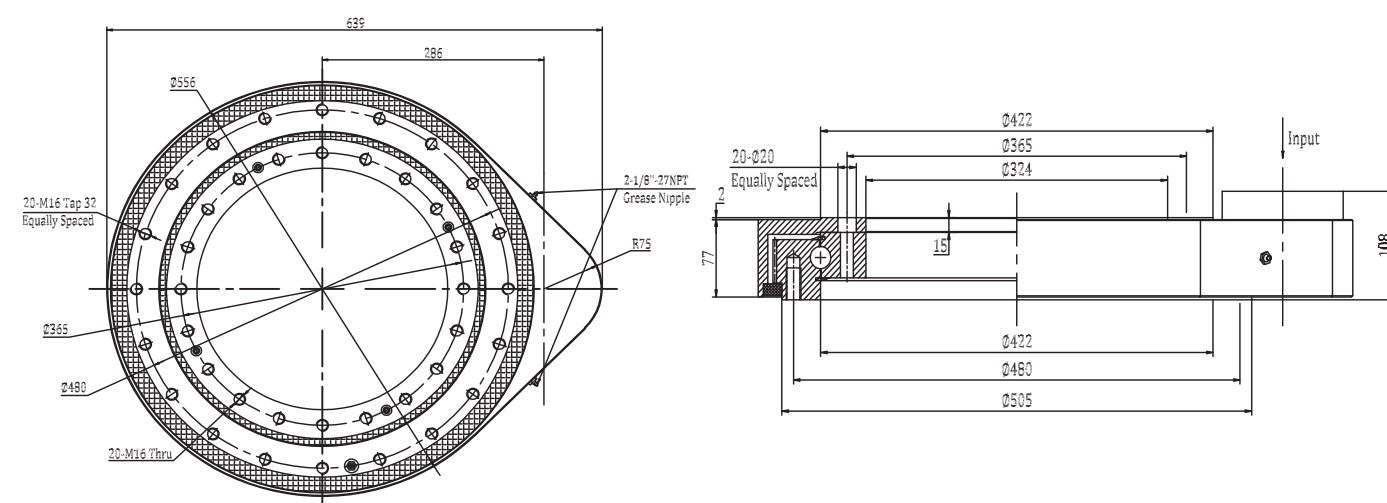
Precision	≤0.2
IP Class	IP65

Load Chart
Axial Load & Tilting Moment



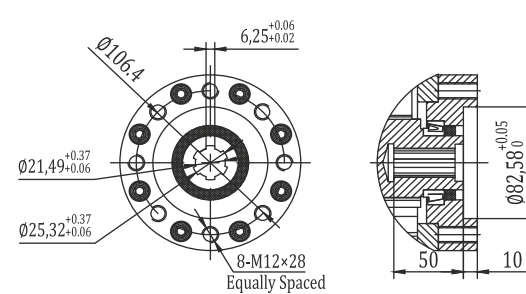
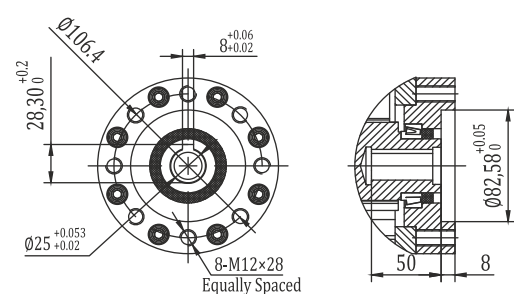


ESD17



VIEW B OPTION
INPUT Ø25 Hole

VIEW B OPTION
INPUT 6B SPLINE



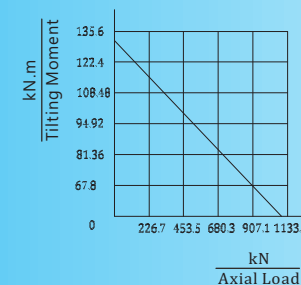
*Made to order input shaft and flange available upon request

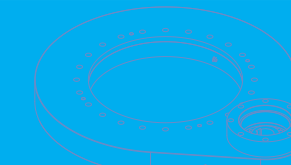
ESD17 Slew Drive Performance Parameters

Gear Ratio	5:1	
Output Torque (max.)	10kN.m	7.4x10 ³ lbf.ft
Tilting Moment (max.)	135.6kN.m	100x10 ³ lbf.ft
Static Axial Load Rating	970kN	218x10 ³ lbf
Static Radial Load Rating	390kN	88x10 ³ lbf
Mechanical Efficiency	85%~95%	

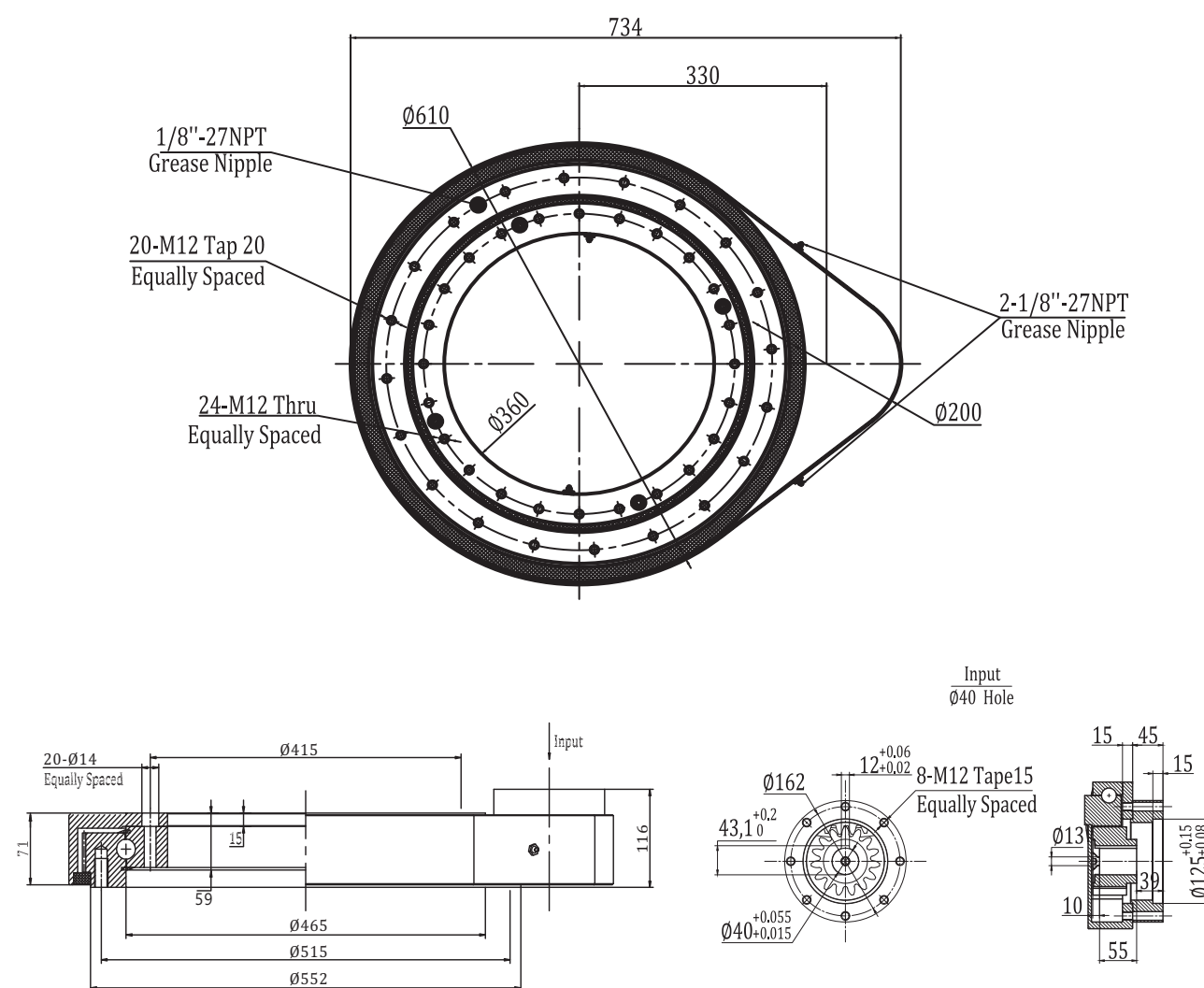
Precision	≤0.2°
IP Class	IP65

Load Chart
Axial Load & Tilting Moment





ESD18



*Made to order input shaft and flange available upon request

ESD18 Slew Drive Performance Parameters

Gear Ratio	6.33:1 Can be customized	
Output Torque (max.)	13.5kN.m	9.97x10 ³ lbf.ft
Tilting Moment (max.)	87kN.m	64x10 ³ lbf.ft
Static Axial Load Rating	778kN	175x10 ³ lbf
Static Radial Load Rating	333kN	74.9x10 ³ lbf
Mechanical Efficiency	85%~95%	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment

