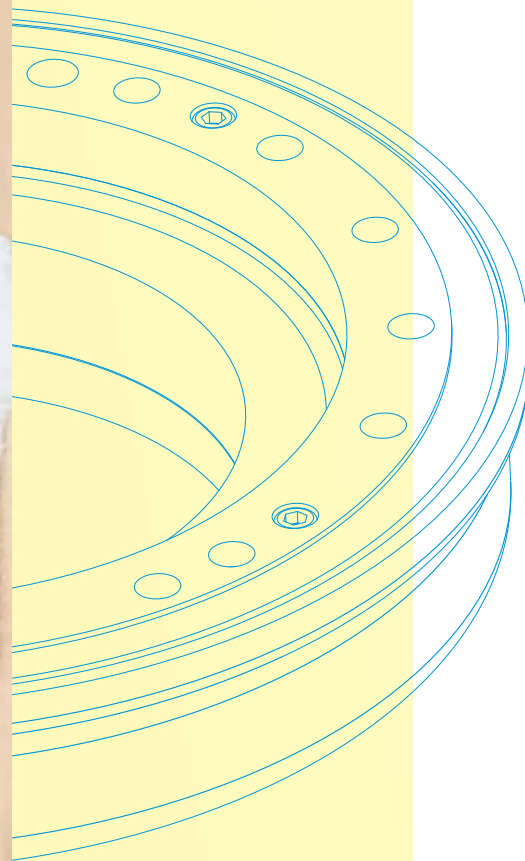
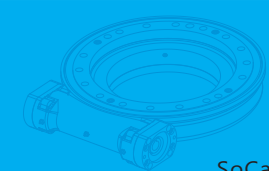
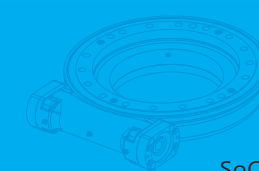
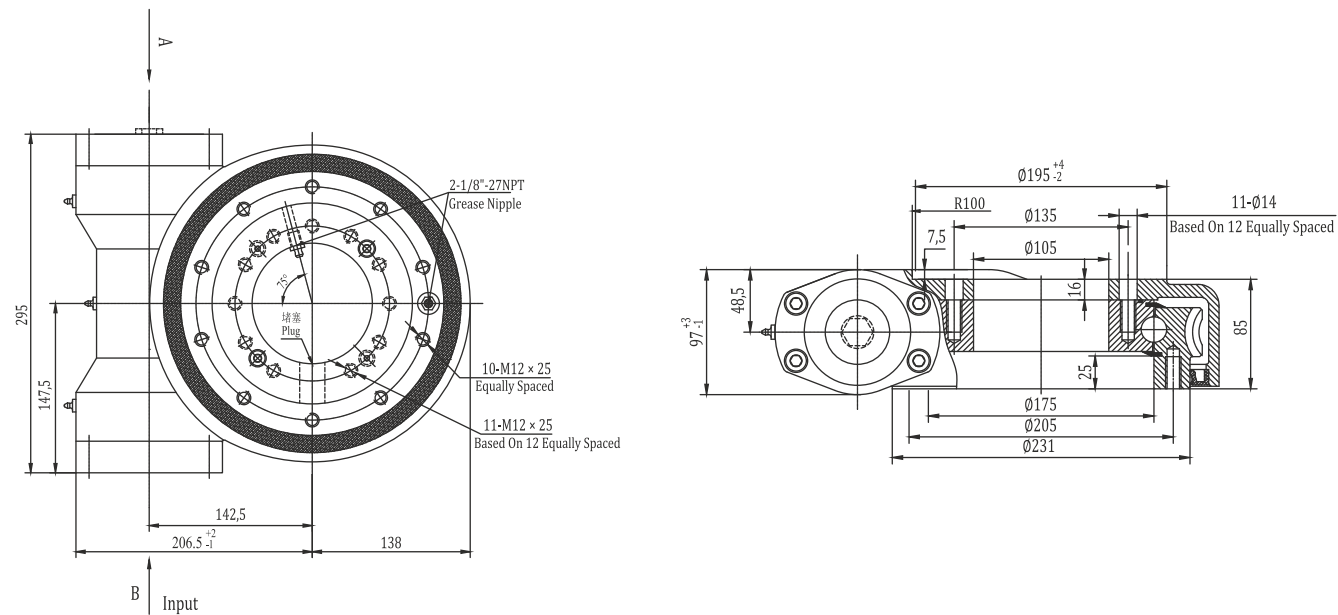
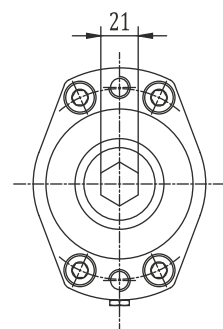
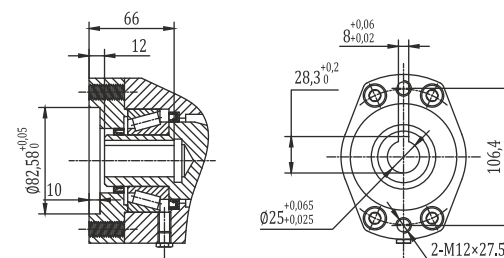




SoCare®
Slew Drive
WD Series



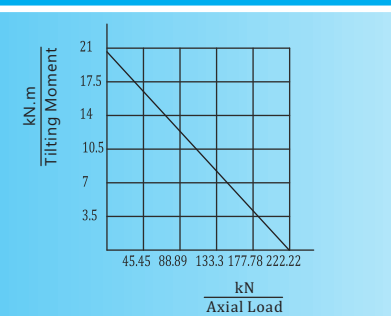
WD7

VIEW A OPTION
WITH HEXVIEW B OPTION
INPUT
Ø25 Hole

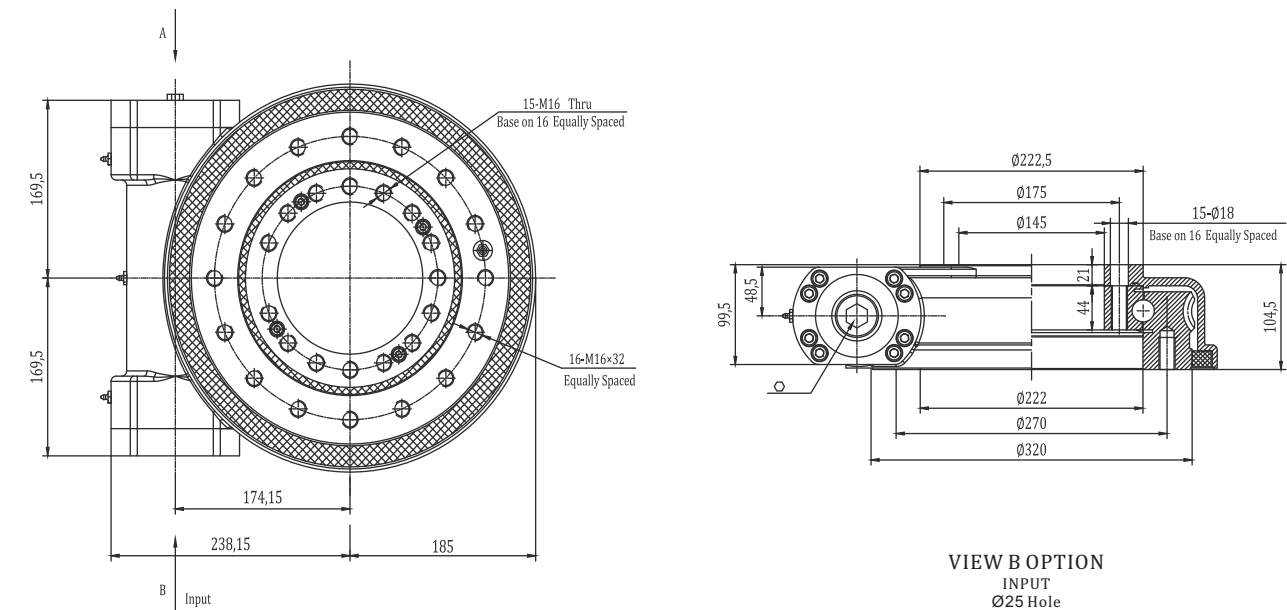
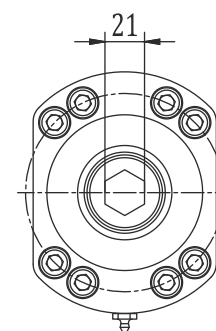
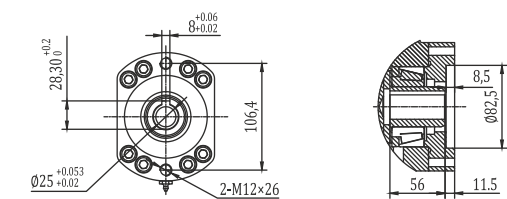
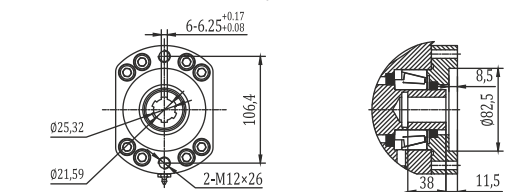
*Made to order input shaft and flange available upon request

WD7 Slew Drive Performance Parameters

Gear Ratio	47:1	
Output Torque (max.)	11.2 kN.m	8.27×10 ³ lbf.ft
Tilting Moment (max.)	20.8 kN.m	15.35×10 ³ lbf.ft
Holding Torque	24 kN.m	17.71×10 ³ lbf.ft
Static Axial Load Rating	220 kN	49.5×10 ³ lbf
Static Radial Load Rating	90 kN	20.25×10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment

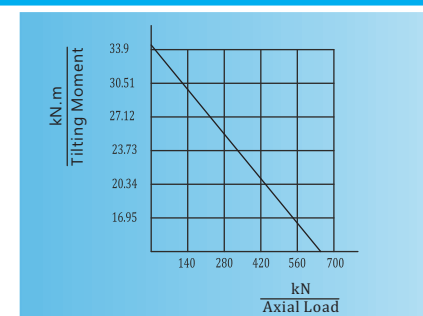
WD9

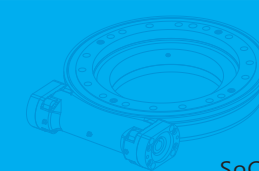
VIEW A OPTION
WITH HEXVIEW B OPTION
INPUT
Ø25 HoleINPUT
6BSpline

*Made to order input shaft and flange available upon request

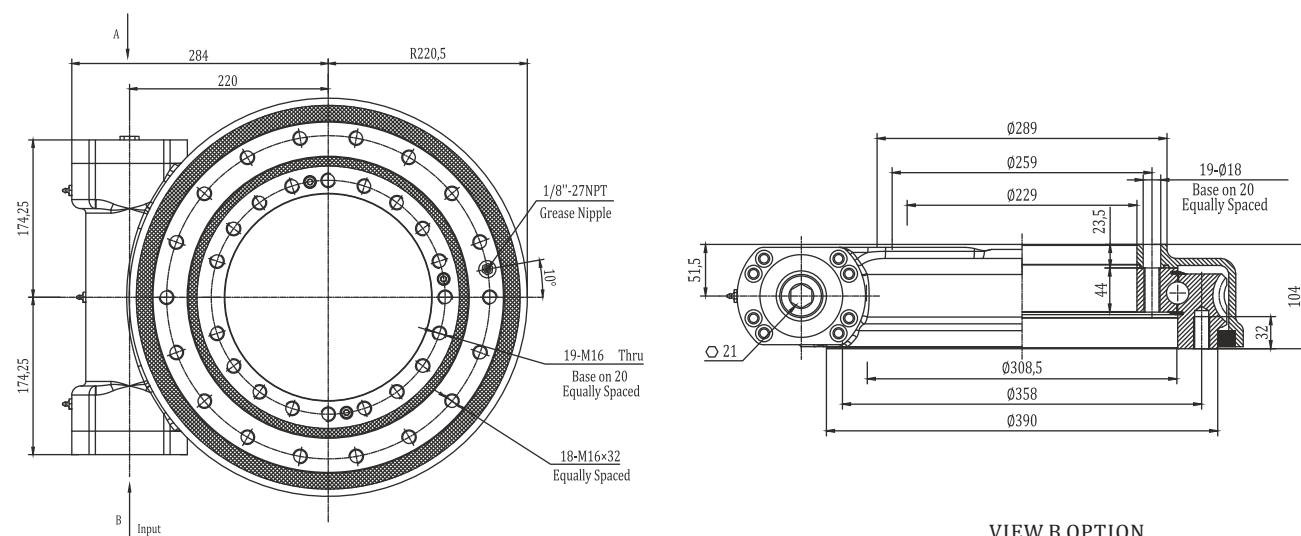
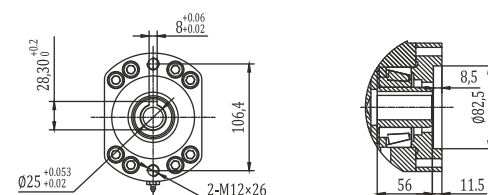
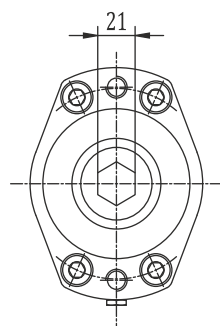
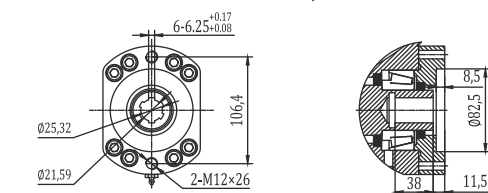
WD9 Slew Drive Performance Parameters

Gear Ratio	59:1	
Output Torque (max.)	14.2 kN.m	10.5×10 ³ lbf.ft
Tilting Moment (max.)	41.2 kN.m	30.4×10 ³ lbf.ft
Holding Torque	38.7 kN.m	28.5×10 ³ lbf.ft
Static Axial Load Rating	670 kN	150.7×10 ³ lbf
Static Radial Load Rating	280 kN	63×10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment



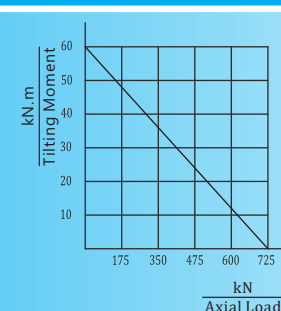
WD12

VIEW B OPTION
INPUT
Ø25 HoleVIEW A OPTION
WITH HEXINPUT
6BSpline

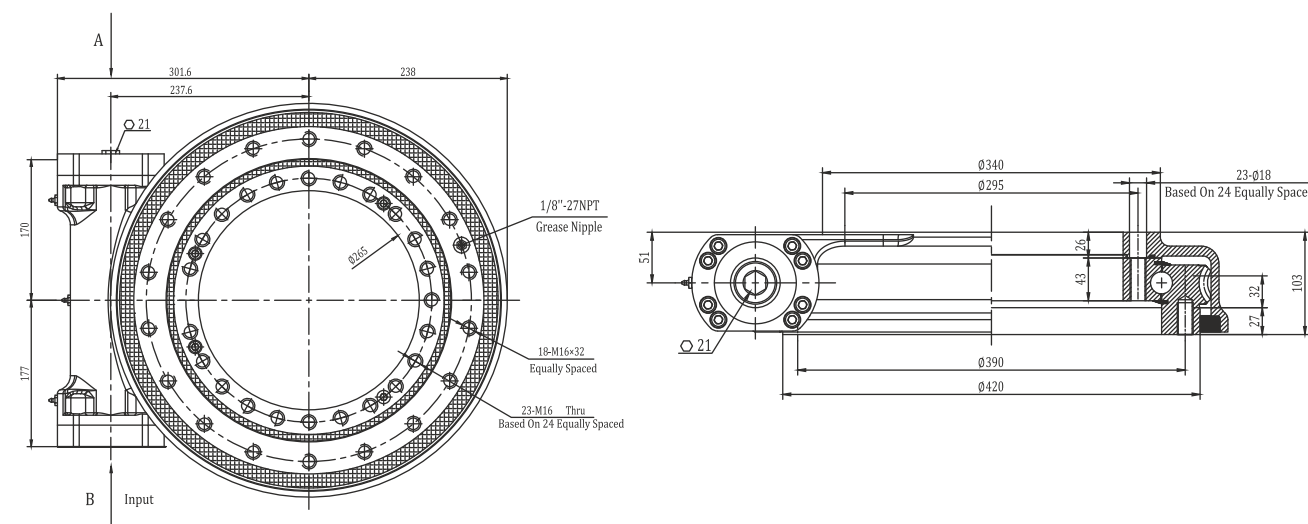
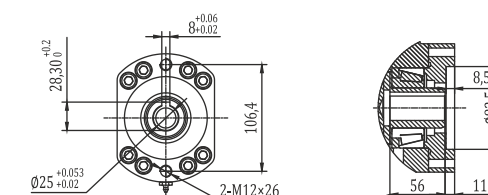
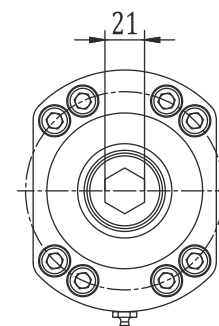
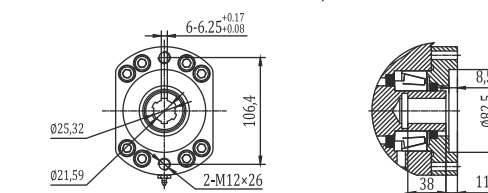
*Made to order input shaft and flange available upon request

WD12 Slew Drive Performance Parameters

Gear Ratio	77:1	
Output Torque (max.)	18.5 kN.m	13 7×10 ³ lbf.ft
Tilting Moment (max.)	60 kN.m	44.3×10 ³ lbf.ft
Holding Torque	51.2 kN.m	37.8×10 ³ lbf.ft
Static Axial Load Rating	725 kN	163.1×10 ³ lbf
Static Radial Load Rating	270 kN	60.7×10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment

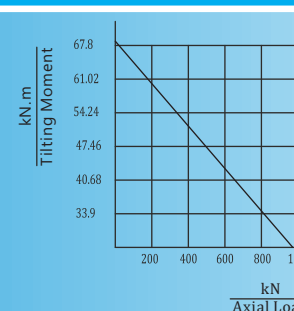
WD14

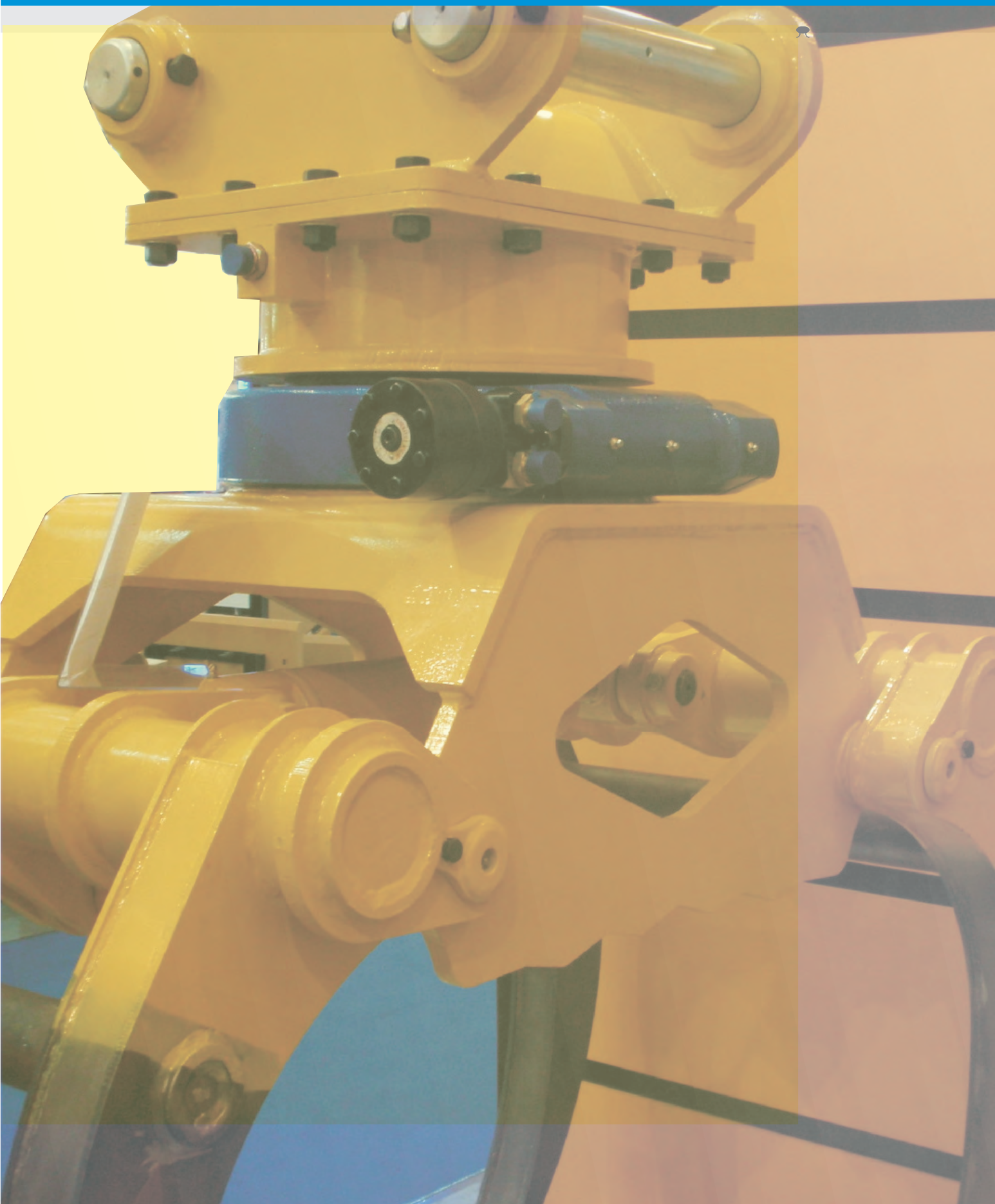
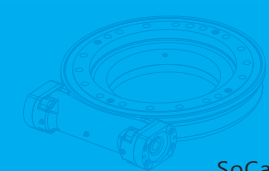
VIEW B OPTION
INPUT
Ø25 HoleVIEW A OPTION
WITH HEXINPUT
6BSpline

*Made to order input shaft and flange available upon request

WD14 Slew Drive Performance Parameters

Gear Ratio	84:1	
Output Torque (max.)	20.1 kN.m	14.8×10 ³ lbf.ft
Tilting Moment (max.)	72 kN.m	53×10 ³ lbf.ft
Holding Torque	56 kN.m	41.3×10 ³ lbf.ft
Static Axial Load Rating	970 kN	218×10 ³ lbf
Static Radial Load Rating	380 kN	85.5×10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment



Slew Drive

Slew drives are ready-to-mount modules which are capable of transmitting forces and high torques.

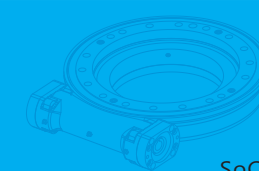
SoCare® slew drives consist of a ball bearing and a worm screw enclosed by a housing structure.

Possible applications for slewing drives are machines in the:

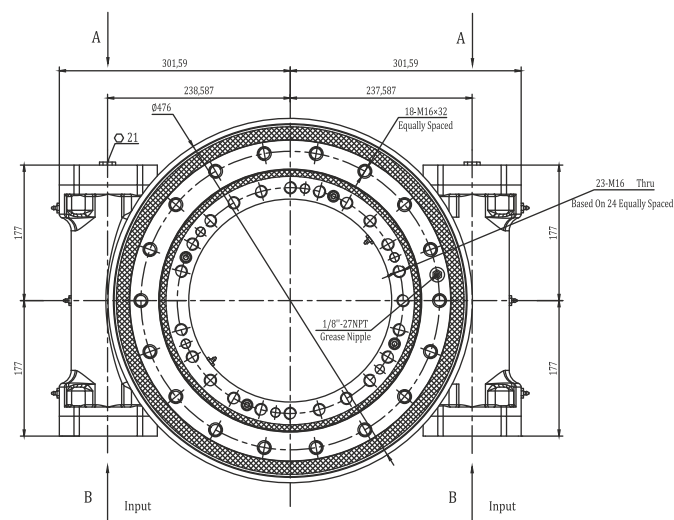
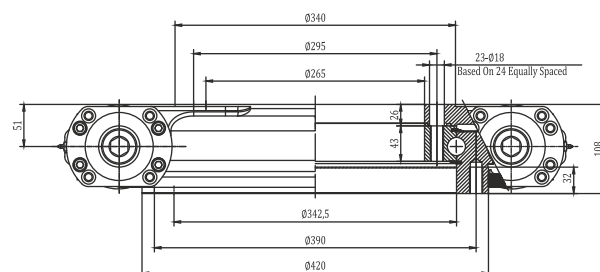
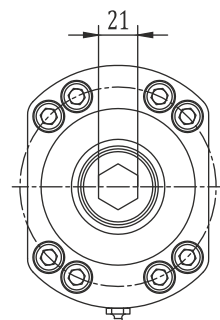
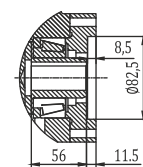
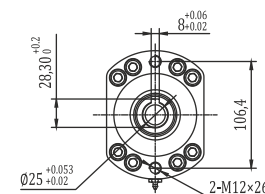
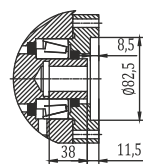
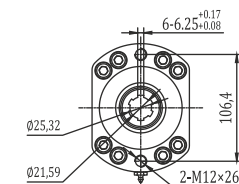
- *Construction
- *Agriculture
- *Forestry industries
- *Solar Tracking System

Examples include loading cranes, lifting platforms and steering systems for special vehicles.

SoCare® is at your side as a reliable manufacturer of slew drives. Please feel free to contact us via our contact info and arrange a non-binding consultation.



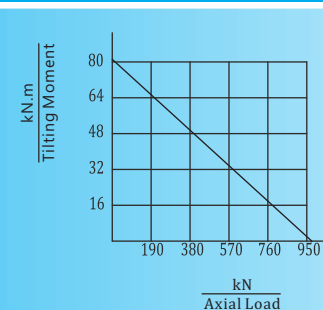
WD14-2

VIEW A OPTION
WITH HEXVIEW B OPTION
INPUT
Ø25 HoleINPUT
6BSpline

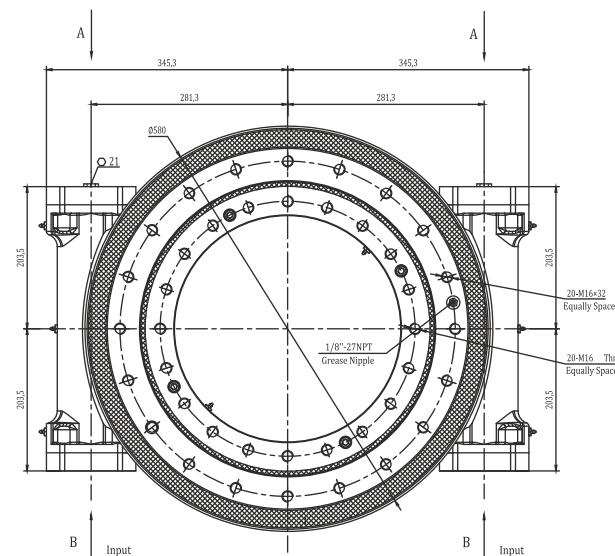
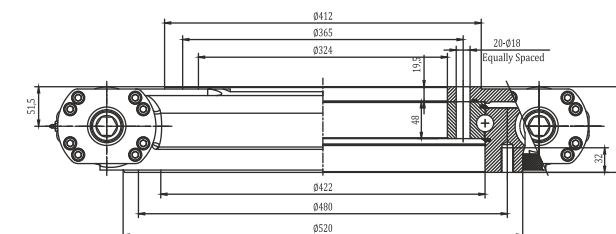
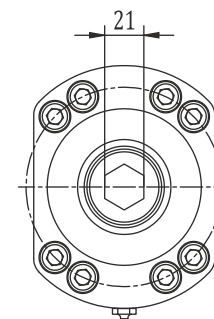
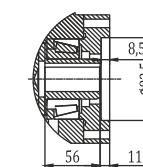
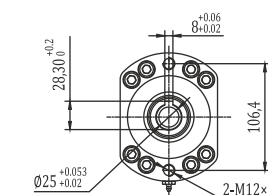
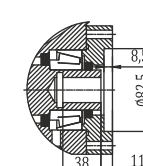
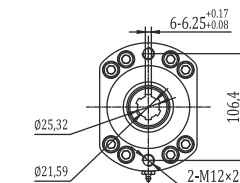
*Made to order input shaft and flange available upon request

WD14-2 Slew Drive Performance Parameters

Gear Ratio	84:1	
Output Torque (max.)	26.9 kN.m	19.9×10 ³ lbf.ft
Tilting Moment (max.)	81 kN.m	59.7×10 ³ lbf.ft
Holding Torque	102 kN.m	75.2×10 ³ lbf.ft
Static Axial Load Rating	970 kN	218×10 ³ lbf
Static Radial Load Rating	380 kN	85.5×10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment

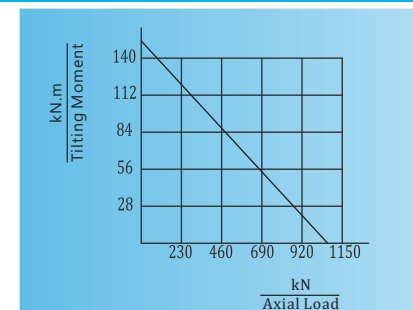
WD17-2

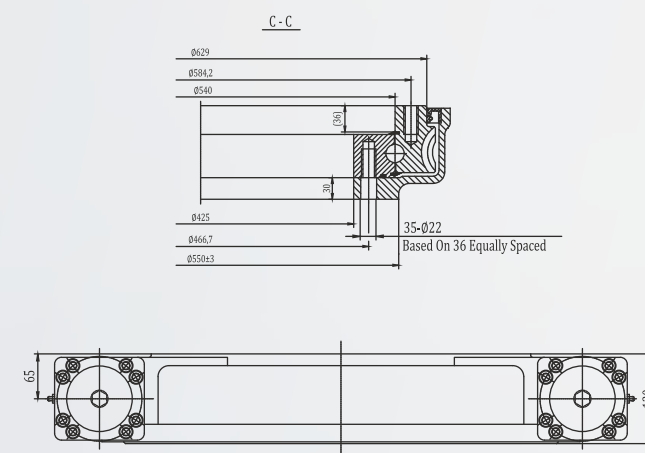
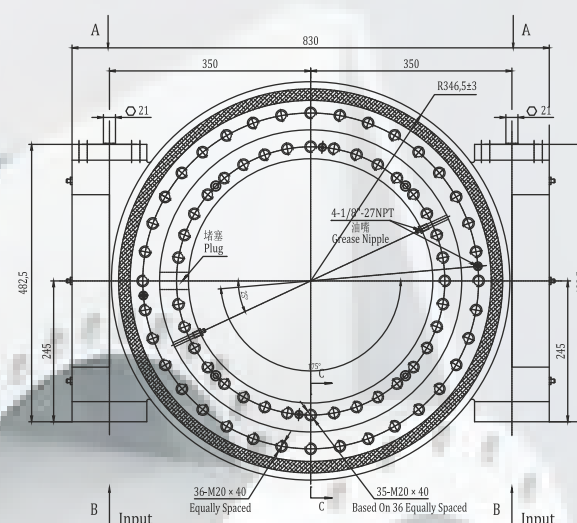
VIEW A OPTION
WITH HEXVIEW B OPTION
INPUT
Ø25 HoleINPUT
6BSpline

*Made to order input shaft and flange available upon request

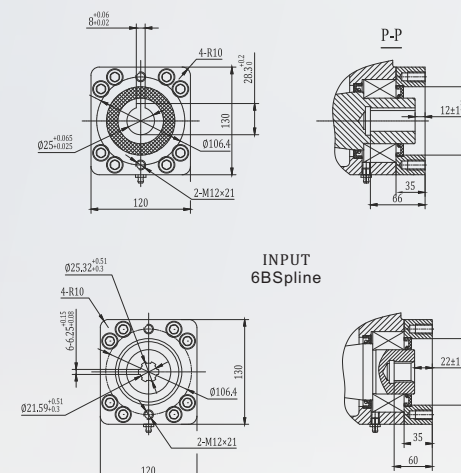
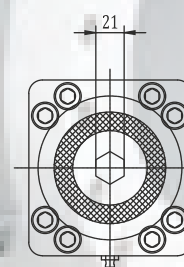
WD17-2 Slew Drive Performance Parameters

Gear Ratio	102:1	
Output Torque (max.)	32.6 kN.m	24.1×10 ³ lbf.ft
Tilting Moment (max.)	160 kN.m	118×10 ³ lbf.ft
Holding Torque	152 kN.m	112.2×10 ³ lbf.ft
Static Axial Load Rating	1110 kN	249.8×10 ³ lbf
Static Radial Load Rating	414 kN	93.2×10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

Load Chart
Axial Load & Tilting Moment



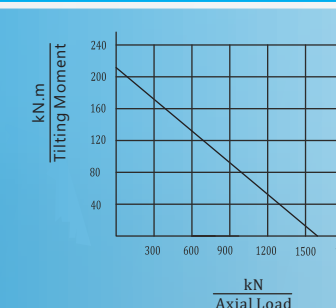
VIEW B OPTION
INPUT
Ø25 Hole

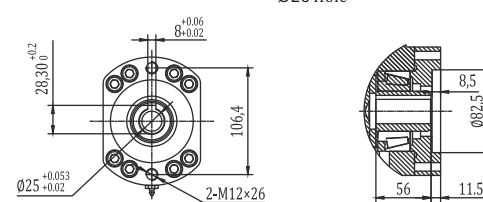
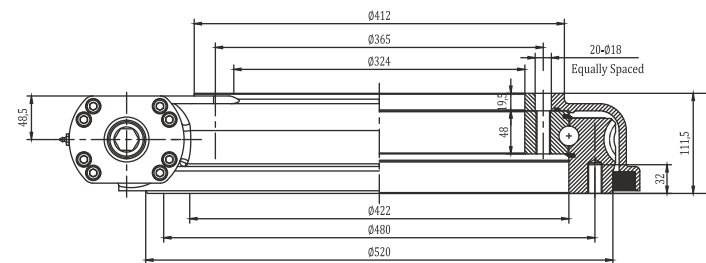


WD21-2 Slew Drive Performance Parameters

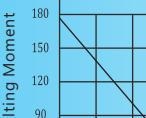
Load Chart

Axial Load & Tilting Moment





Technical drawing of the front and side views of a 4-hole flange. The front view shows a square flange with four mounting holes. Dimensions include a central hole diameter of Ø25.32, an outer hole diameter of Ø21.59, a total width of 106.4, and a mounting hole pitch of 66.25 (+0.17/-0.08). The side view shows a thickness of 8.5 and a central bore diameter of Ø2.5.



A line graph showing the relationship between Tilting Moment (kN.m) on the y-axis and Axial Load (kN) on the x-axis. The y-axis ranges from 0 to 180 in increments of 30. The x-axis ranges from 0 to 1200 in increments of 240. A straight line starts at (0, 180) and ends at (1200, 0).

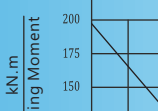
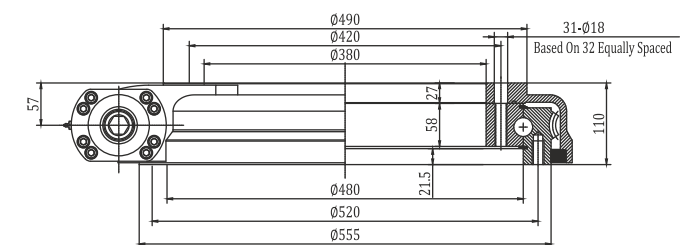
Axial Load (kN)	Tilting Moment (kN.m)
0	180
240	150
480	120
720	90
960	60
1200	0

35



Technical drawing of a circular component, likely a grease nipple or plug, showing dimensions and labels:

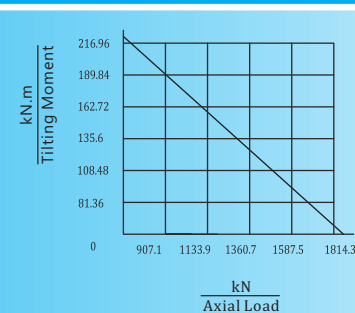
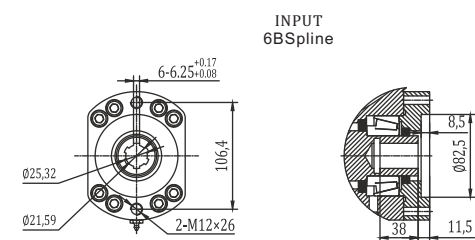
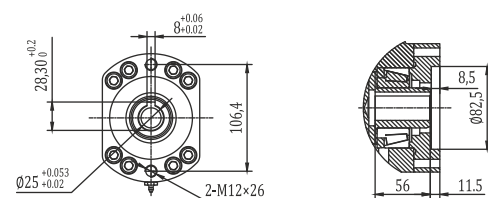
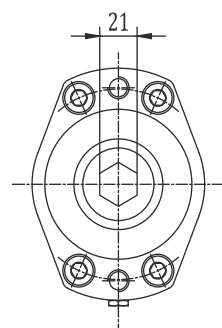
- Dimensions:**
 - Overall diameter: 305
 - Inner diameter: 306
 - Outer diameter: 369
 - Height of the main body: 224
 - Height of the base: 509.5
 - Height of the input section: 224
- Labels:**
 - Input:** Points to the input section on the left.
 - Plug:** Points to the central plug area.
 - 32-M16 x 32 Equally Spaced:** Points to the outer ring of holes.
 - 31-M16 x 32 Based On 32 Equally Spaced:** Points to the inner ring of holes.
 - 1/8"-27-NPT Grease Nipple:** Points to the top connection point.
- Other features:**
 - A vertical arrow labeled **A** points downwards from the top.
 - A vertical arrow labeled **B** points upwards from the bottom.
 - A horizontal arrow labeled **Input** points to the left.
 - A dimension line labeled **Ø21** indicates the diameter of the top connection.



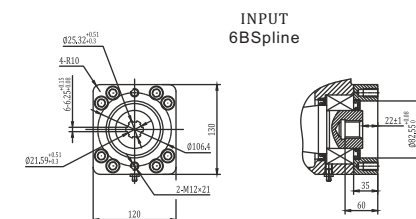
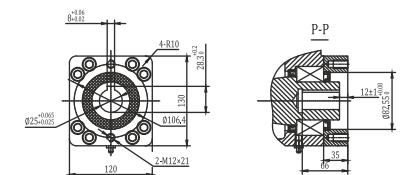
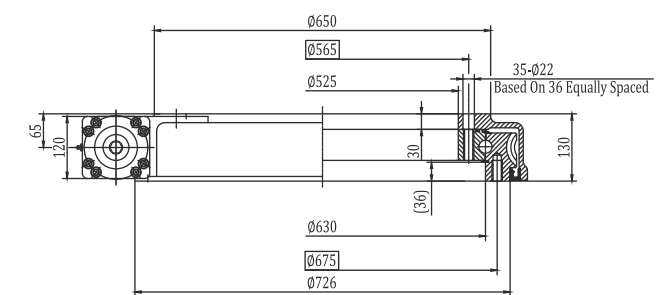
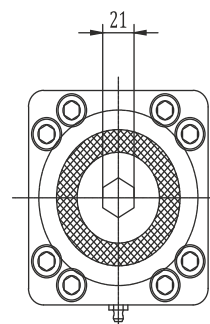
A line graph showing the relationship between Tilted Moment (kN.m) on the y-axis and Axial Load (kN) on the x-axis. The y-axis ranges from 75 to 200 in increments of 25. The x-axis ranges from 0 to 2000 in increments of 400. A straight line starts at (0, 200) and ends at (1800, 75).

Axial Load (kN)	Tilted Moment (kN.m)
0	200
400	175
800	150
1200	125
1600	100
1800	75

36



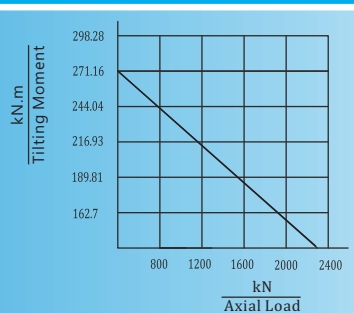
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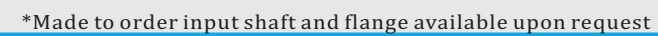
WD25 Slew Drive Performance Parameters

Load Chart

Axial Load & Tilting Moment



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Gear Ratio	102:1	
Output Torque (max.)	20.4 kN.m	15x10 ³ lbf.ft
Tilting Moment (max.)	148.6 kN.m	110x10 ³ lbf.ft
Holding Torque	73.5 kN.m	54.2x10 ³ lbf.ft
Static Axial Load Rating	1198 kN	269.6x10 ³ lbf
Static Radial Load Rating	452 kN	101.7x10 ³ lbf
Mechanical Efficiency	40%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

