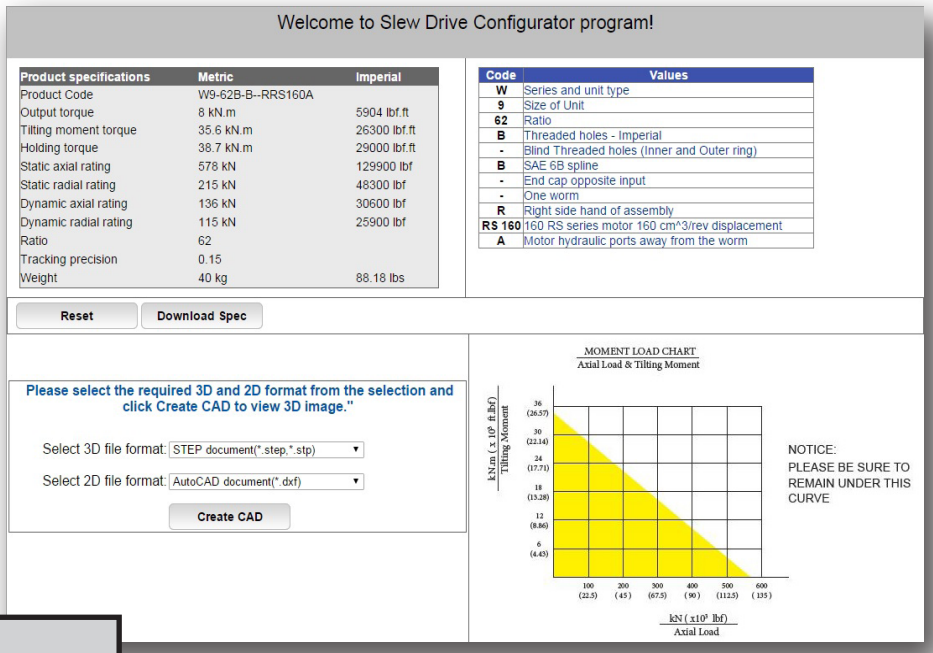
Cone Drive

SLEWING SOLUTIONS

Table of Contents

Configurator



Products Drawings & Models

Available for Download:

W Series

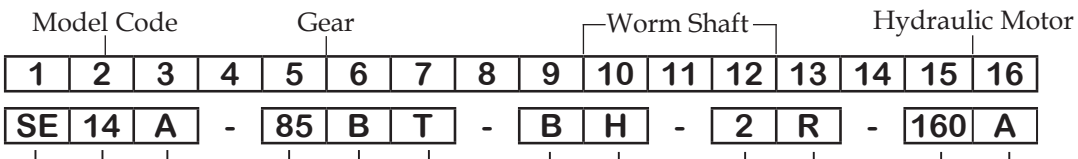
WE Series

WEA Series

Slew Drive Configurator

Visit *www.Conedrive.com*

Code Description



SE	--	Enclosed housing slewing drive
S	--	Open housing slewing drive
W	--	Open housing slew drive
WE	--	Enclosed housing slew drive
WEA	--	Enclosed housing slew drive with advanced sealing
HSE	--	Enclosed housing slew drive with increased torque

14	--	Diameter of raceway in inch

-	--	Original Revision
A	--	Updated Revisions A,B,C...

85	--	Reduction Ratio

-	--	Type of threaded holes: Metric
B	--	Type of threaded holes: Imperial

-	--	Mounting holes of inner and outer ring : Blind threaded holes
C	--	Mounting holes of inner and outer ring : Threaded holes, thru
T	--	Mounting holes of inner and outer ring : Mounting holes of inner ring : Thru holes Mounting holes of outer ring : Blind threaded holes

-	--	Omitted with hydraulic motor
B	--	SAE 68 spline
12	--	12mm keyed shaft
14	--	14mm keyed shaft
16	--	16mm keyed shaft
20	--	20mm keyed shaft
25	--	25mm keyed shaft
1'	--	1' keyed shaft

-	--	Shaft opposite to motor : solid
H	--	Shaft opposite to motor : with hex
E	--	Shaft opposite to motor : with encoder

-	--	Shaft number, None meaning is only one worm
2	--	Dual worm drive

R	--	Hydraulic motor position, right side
L	--	Hydraulic motor position, left side

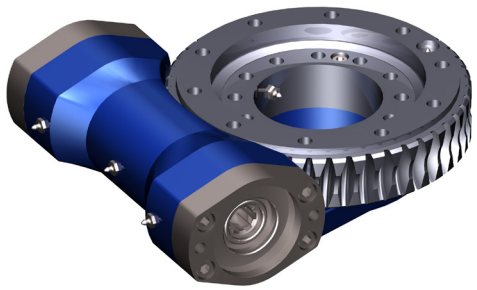
160	--	Hydraulic motor's displacement, cc/rev. (by design,such as "160")

A	--	Away (oil port)
I	--	Inside (oil port)
U	--	Up (oil port)
D	--	Down (oil port)

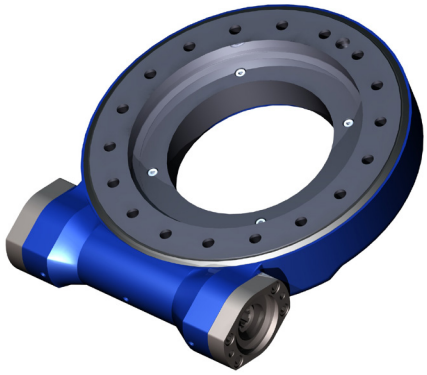
Cone Drive reserves the right to improve or change product design and specifications without notice.

Column 1 - 5

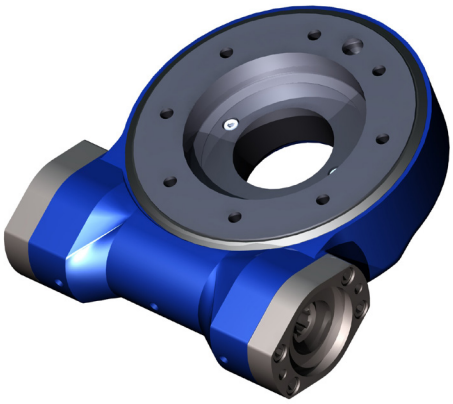
S/W : Open Gearing



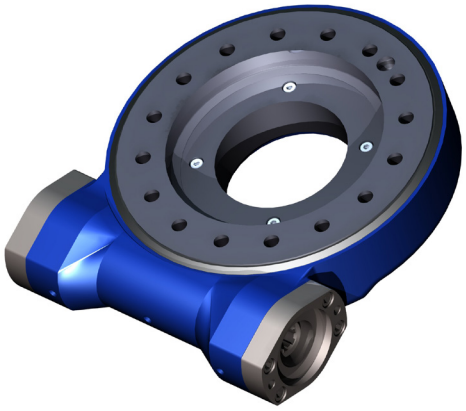
SE/WE: Enclosed Gearing



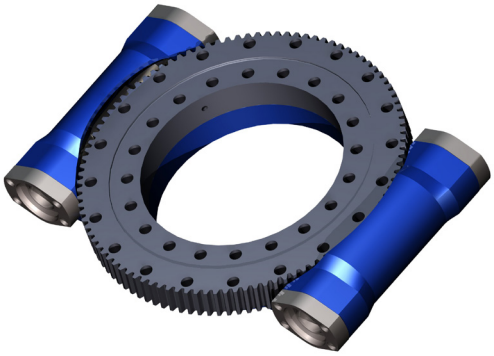
WEA: Enclosed Gearing with Advanced sealing



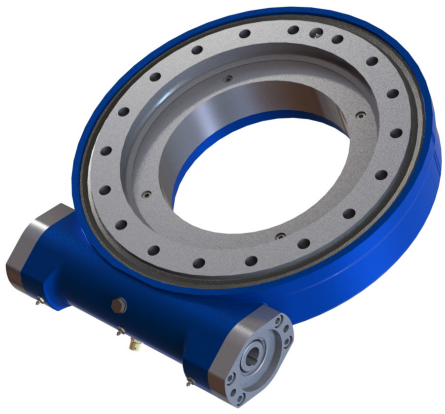
PE: Enclosed Gearing With Reduced backlash



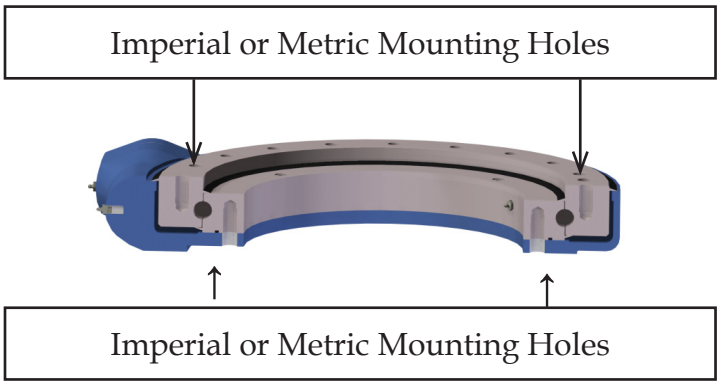
S-2/SE-2: Dual Worm

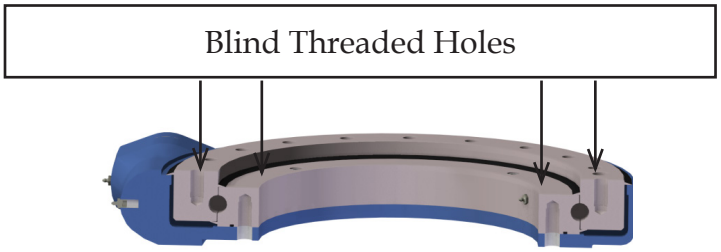


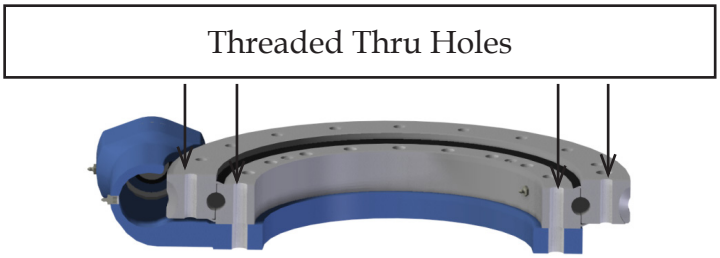
HSE: Enclosed gearing with improved Dynamic Performance

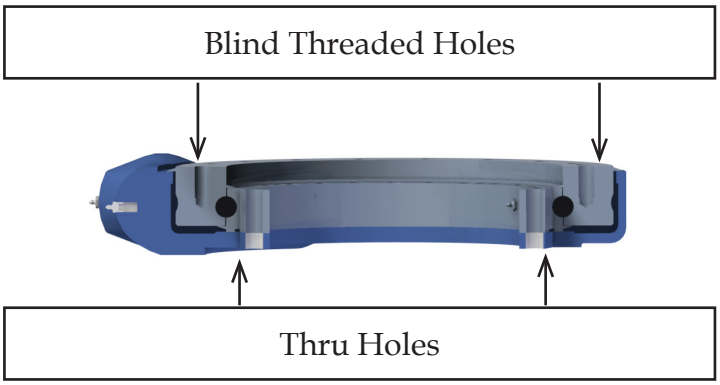


Column 6 - 8



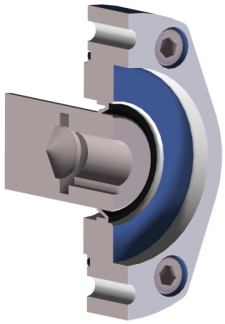


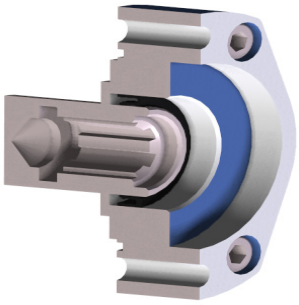




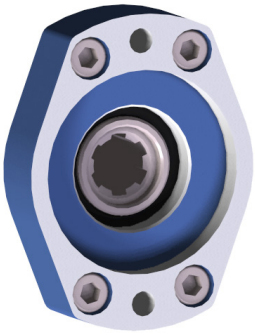
Cone Drive reserves the right to improve or change product design and specifications without notice.

Column 9 - 11

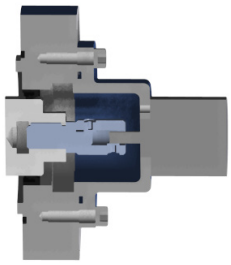


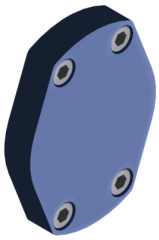


Keyed Shaft

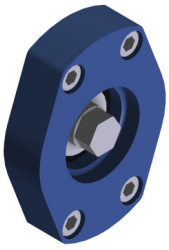


SAE 6B Splined Shaft

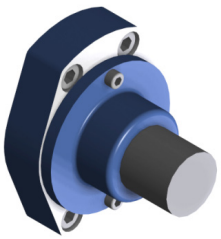




Solid

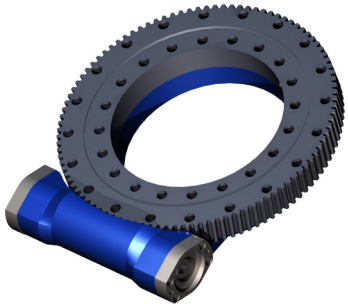


Hex

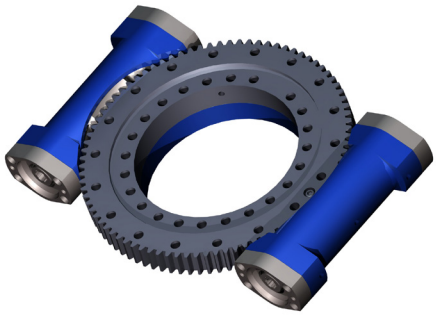


Encoder

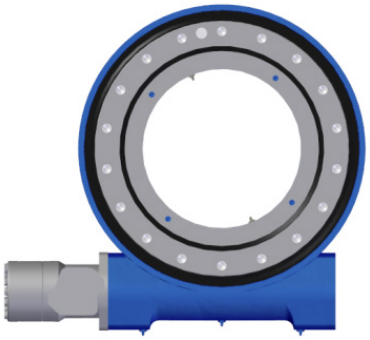
Column 12 - 14



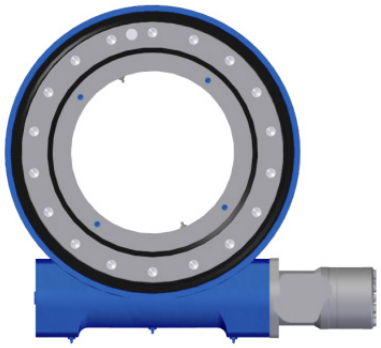
One Worm



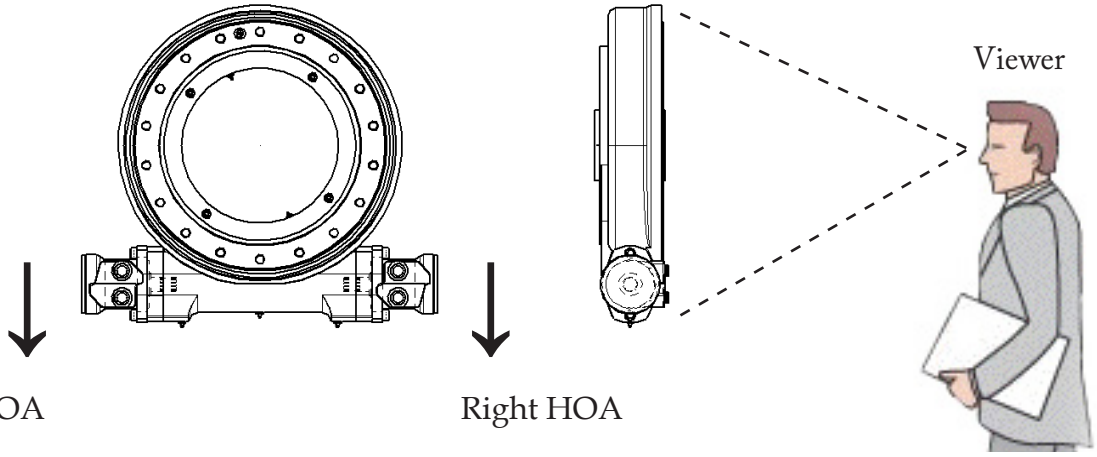
Two Worms



Left Hand of Assembly



Right Hand of Assembly

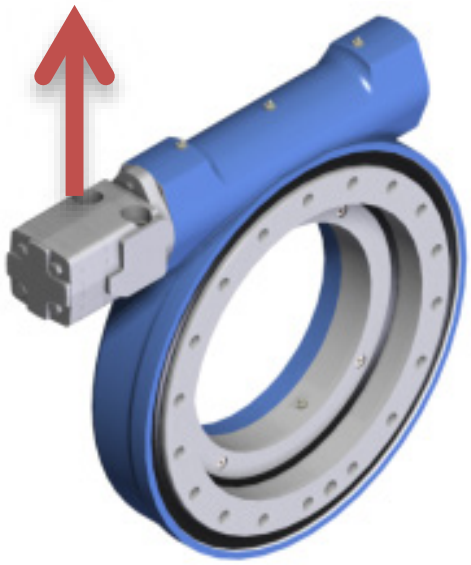


Cone Drive reserves the right to improve or change product design and specifications without notice.

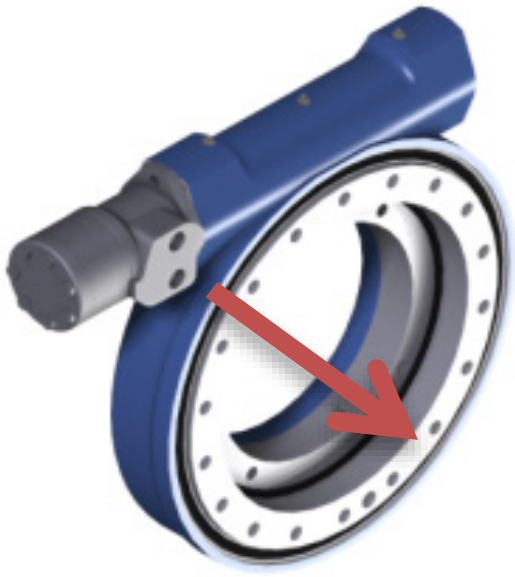
Column 15

Slew Drive Size (in)	Recommended Motor Displacement (CM^3/Rev)				
7	50	80			
9	100	130	160		
12	100	130	160	200	
14	130	160	200	250	
17	130	160	200	250	
19	130	160	200	250	
21	160	200	250	315	400
25	160	200	250	315	400

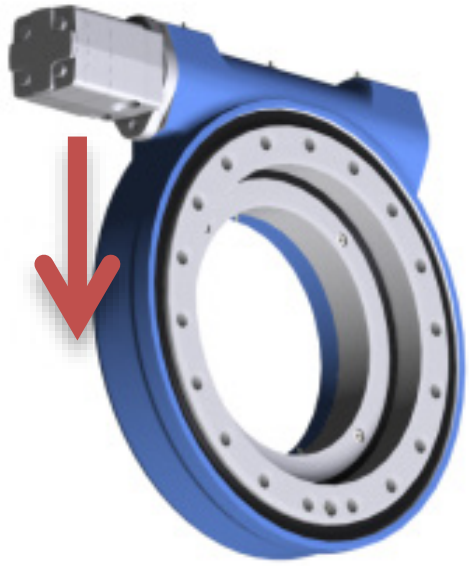
Column 16



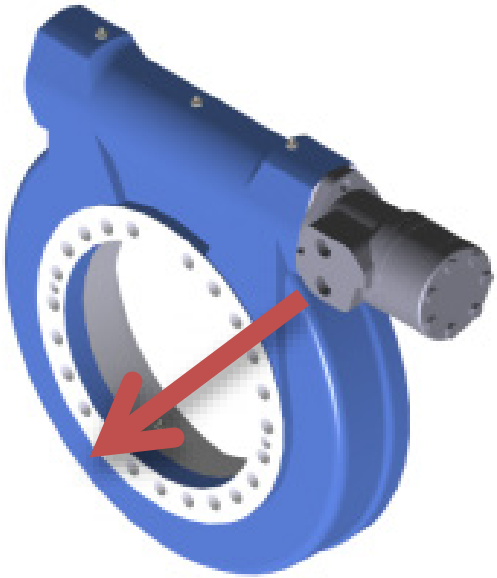
Away



Up



Inside



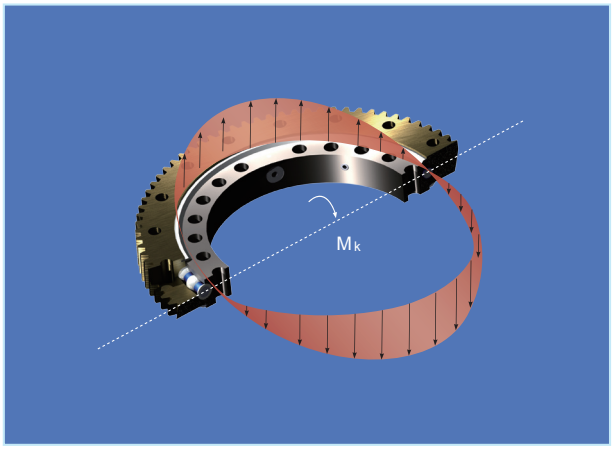
Down

Cone Drive reserves the right to improve or change product design and specifications without notice.

Glossary

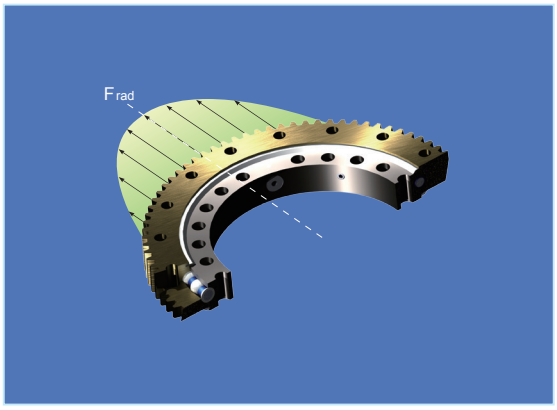
Tilting Moment:

Tilting Moment is the force multiplied by the distance from that force to the center of the slewing ring.



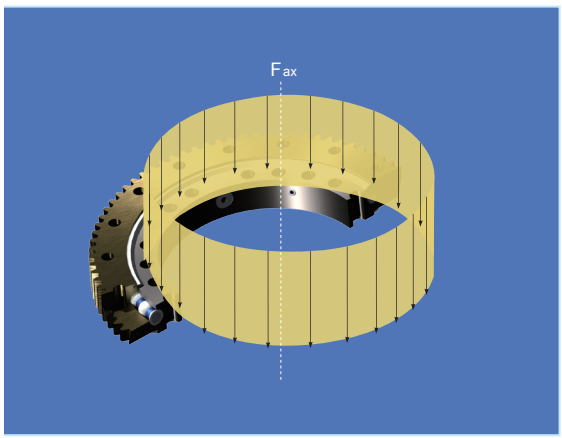
Radial load:

Radial Load is the force perpendicular to the slewing ring axis.



Axial load:

Axial Load is the force parallel to the slewing ring axis.

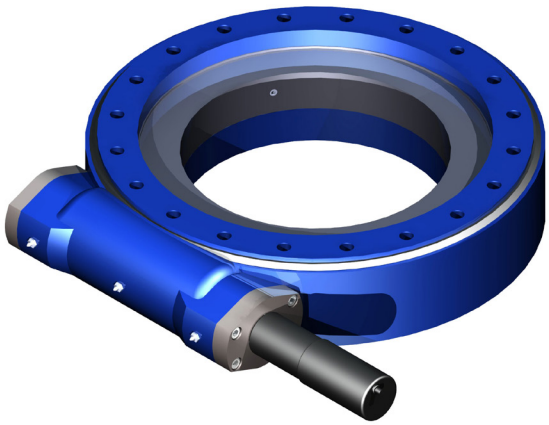


Holding torque:

The maximum static (held) back driving torque, that the unit can react without damage to the drive.

Self-locking:

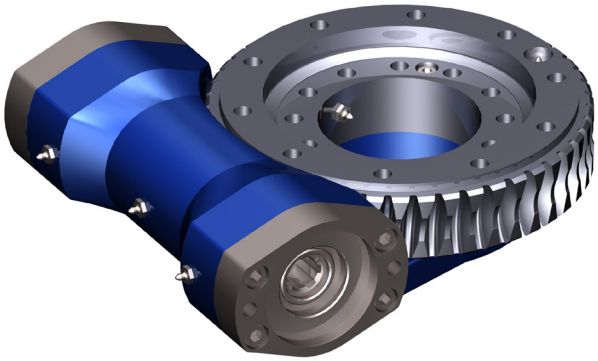
Self-Locking is the ability of the slewing drive to resist rotation when holding torque is applied to the slewing bearing.



Summary

WS, HSE Series Slew Drive:

Model	5″	7″	9″	12″	14″	17″	19″	21″	25″
Ratio	62	47	62	79	86	104	93	90	104



Housing Options:
Opened Housing/Enclosed Housing/
Enclosed Housing with Reinforced Seal

Output Torque:
600N.m ~34.2 kN.m (25,240 ft.lbf)

Holding Torque:
5500 N.m~158.3 kN.m (117,000 ft.lbf)

Moment Torque:
3000 N.m~310 kN.m (229,000 ft.lbf)

Other Features:

- Curved gear teeth, more contact and higher torque
- Special processed gear prevents gear wear and adhesion
- Fit for heavy duty and medium speed application

SS/PE Series Slewing Drive:

Model	3″	5″	7″	9″	12″	14″	17″	21″	25″
Ratio	62	62	73	61	78	85	102	125	150

Housing Options:
Opened Housing/Enclosed Housing/
Dual Drive Housing

Output torque:
400N.m ~28 kN.m (20,652 ft.lbf)

Holding torque:
2000 N.m~269.1 kN.m (198,900 ft.lbf)

Moment torque:
1100 N.m~271 kN.m (200,000 ft.lbf)

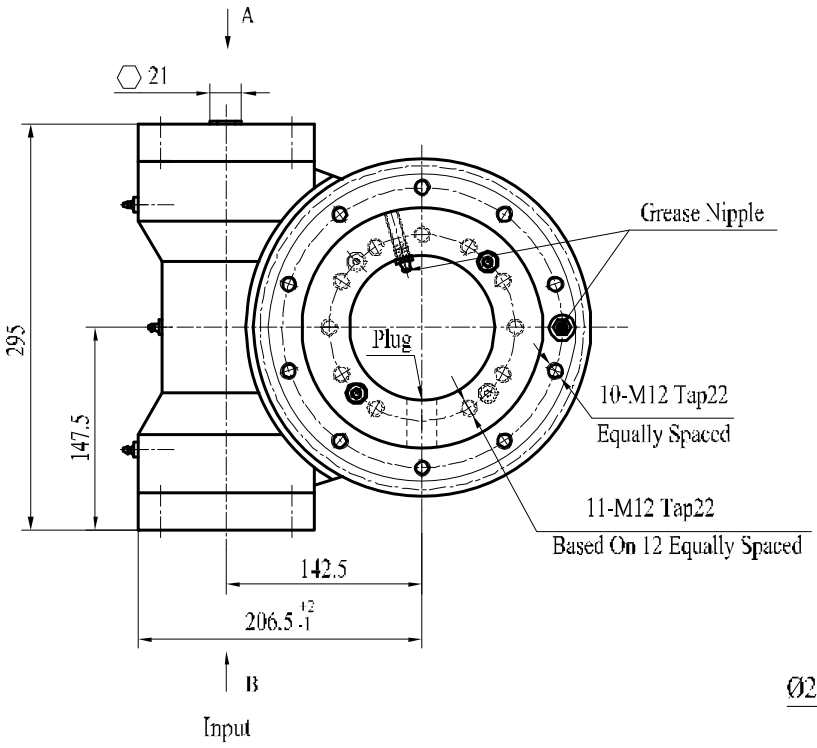
Other Features:

- Enveloping worm gearing, more contact and higher torque
- Fit for light duty, low speed, multiple precision options

Cone Drive reserves the right to improve or change
product design and specifications without notice.

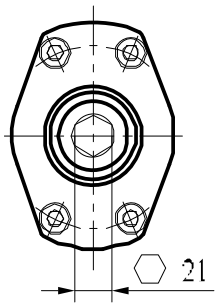
W7 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

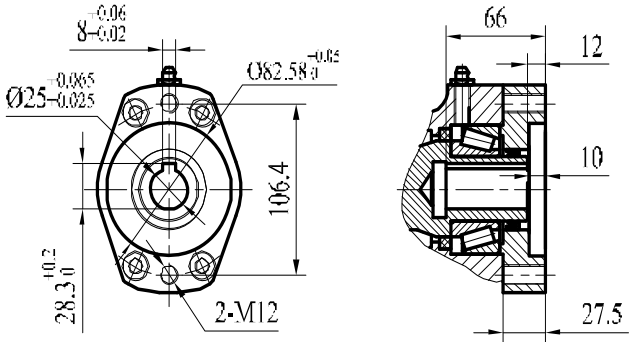


29 kg

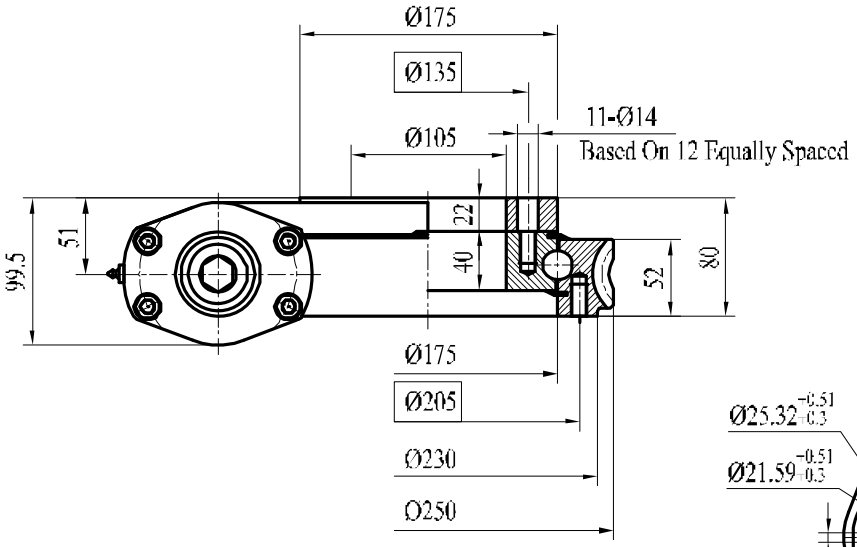
VIEW A OPTION
With HEX



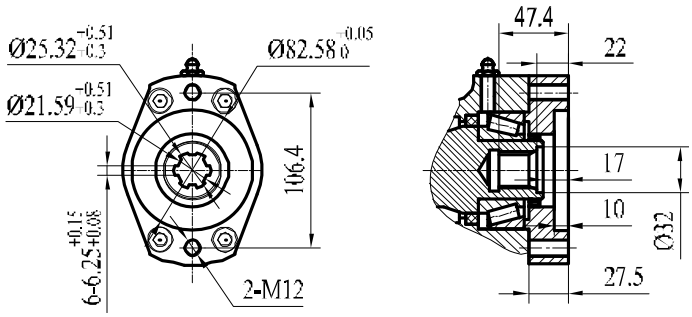
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



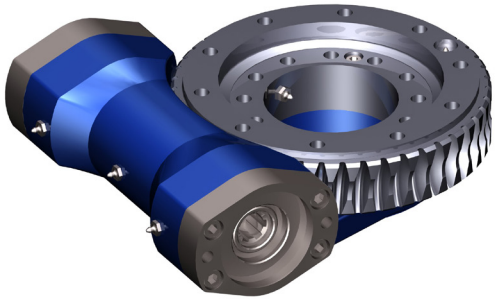
VIEW B OPTION

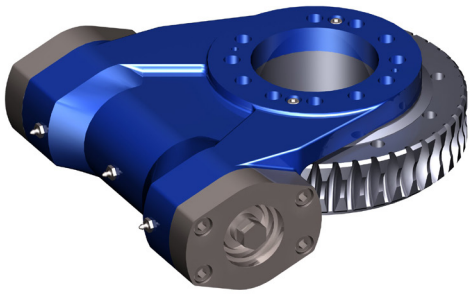


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

W7 | Slew Drive

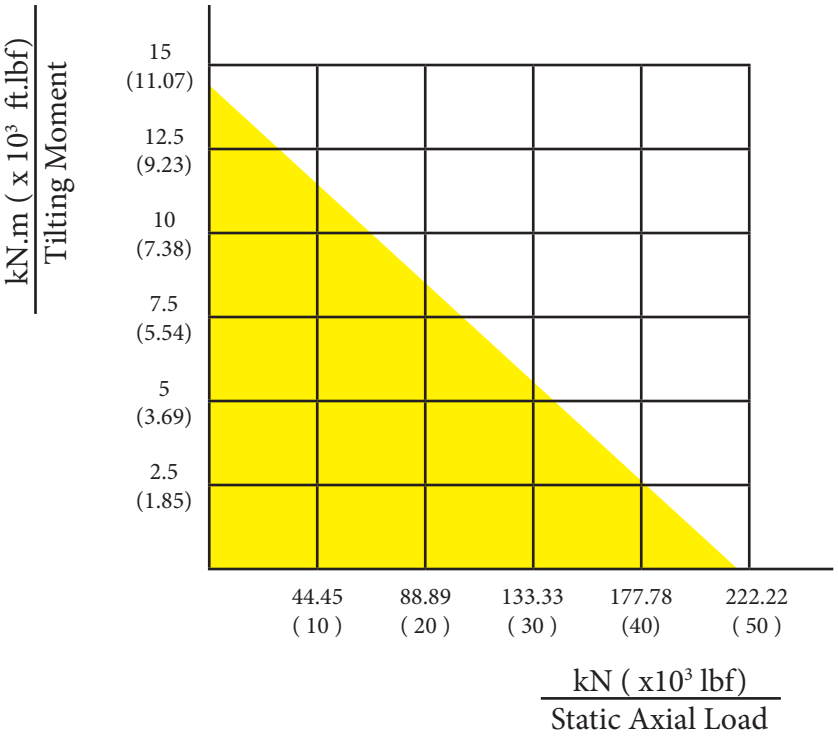




W7 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W7	3.5 kN.m	14.2 kN.m	20 kN.m	220 kN	90 kN	63 kN	48 kN	47 : 1	≤ 0.15 °	29 kg
	2583 ft.lbf	10.5 x 10^3 ft.lbf	14.8 x 10^3 ft.lbf	49.5 x 10^3 lbf	20.2 x 10^3 lbf	14.2 x 10^3 lbf	10.8 x 10^3 lbf			

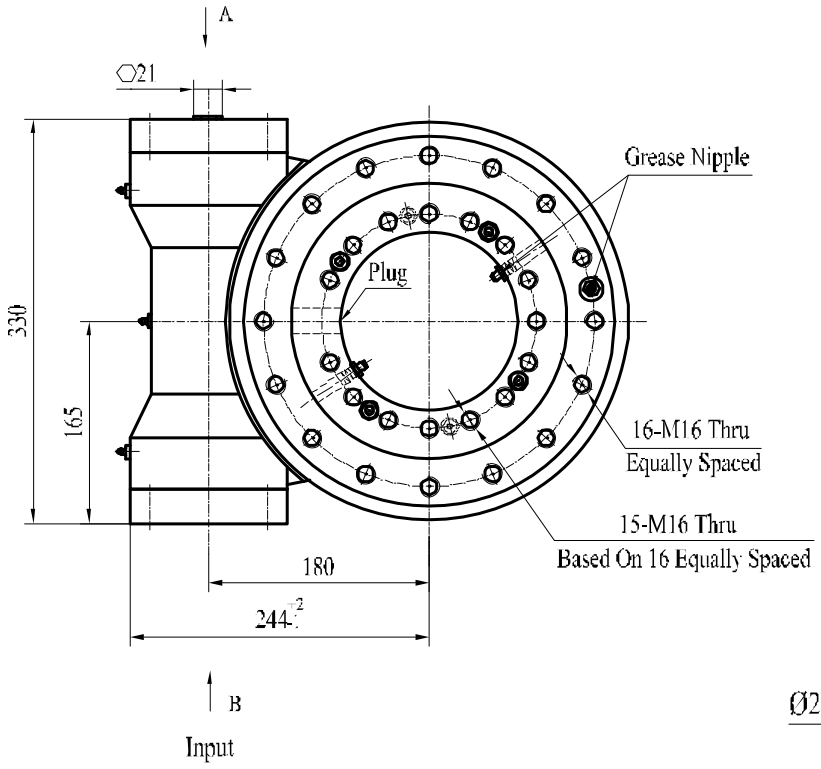
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

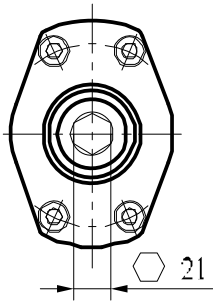
W9 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

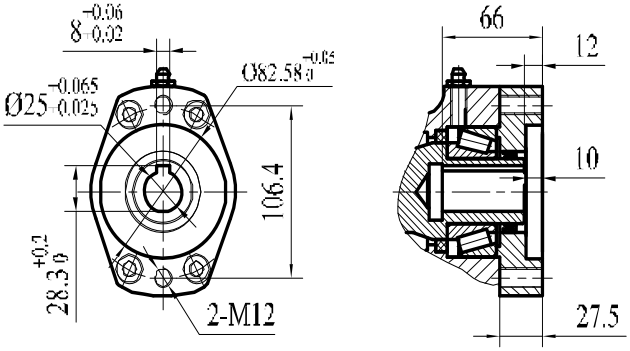


40 kg

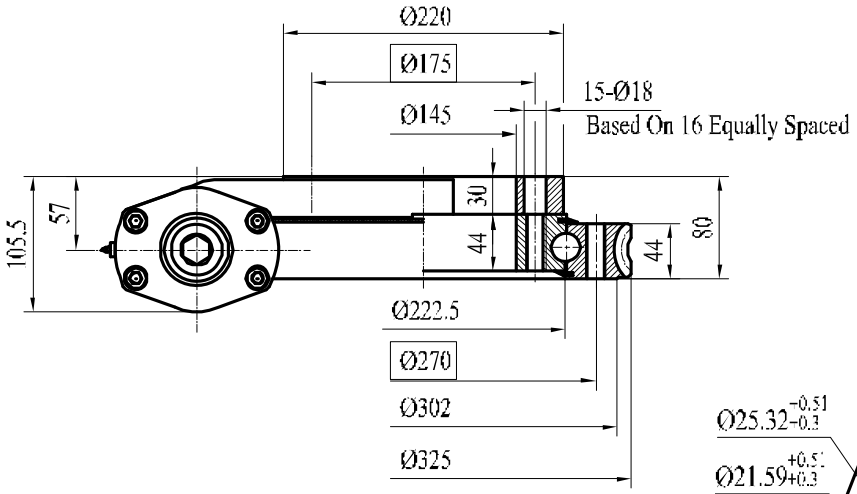
VIEW A OPTION
With HEX



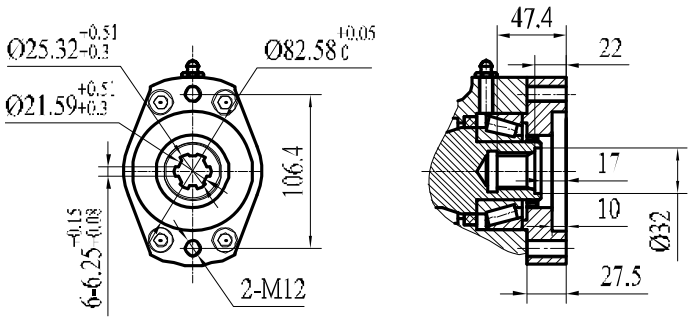
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



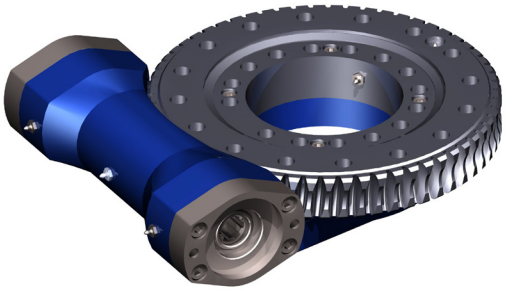
VIEW B OPTION

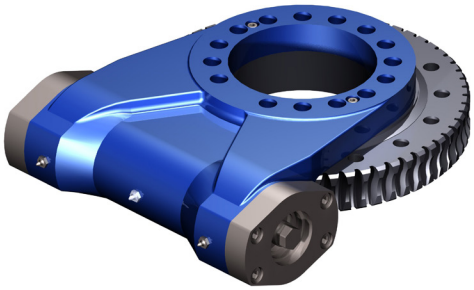


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

W9 | Slew Drive

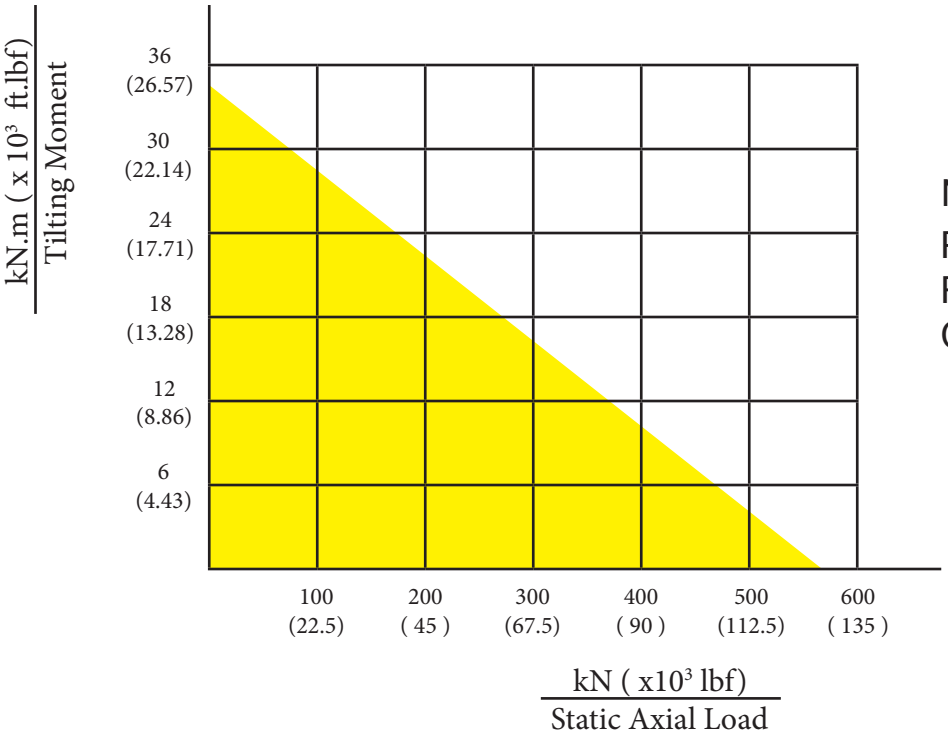




W9 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W9	8 kN.m	35.6 kN.m	38.7 kN.m	578 kN	215 kN	136 kN	115 kN	62 : 1	≤ 0.15 °	40 kg
	5904 ft.lbf	26.3 x 10^3 ft.lbf	29 x 10^3 ft.lbf	129.9 x 10^3 lbf	48.3 x 10^3 lbf	30.6 x 10^3 lbf	25.9 x 10^3 lbf			

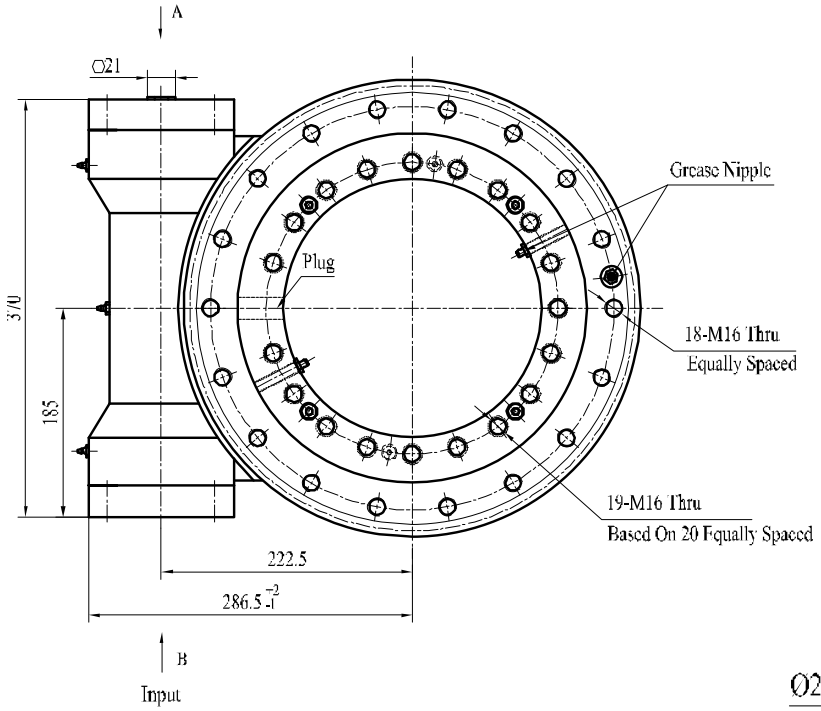
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

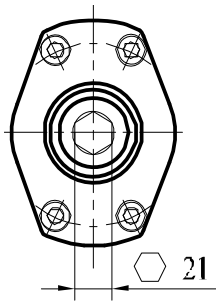
W12 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

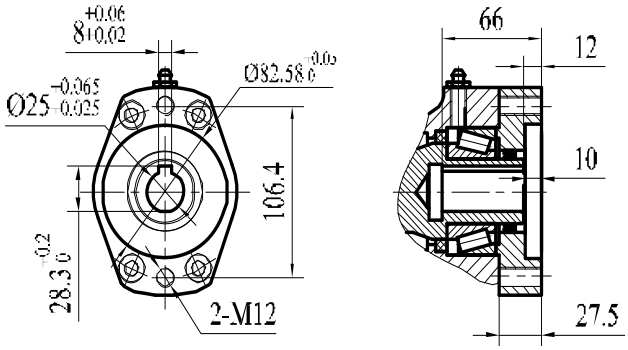


52 kg

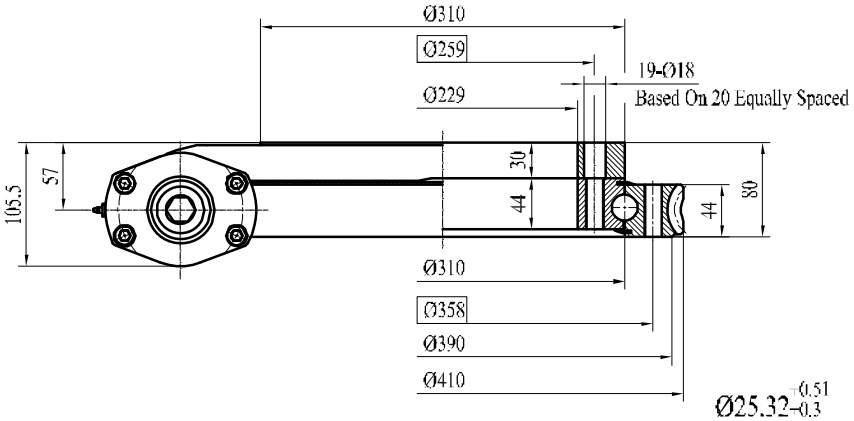
VIEW A OPTION
With HEX



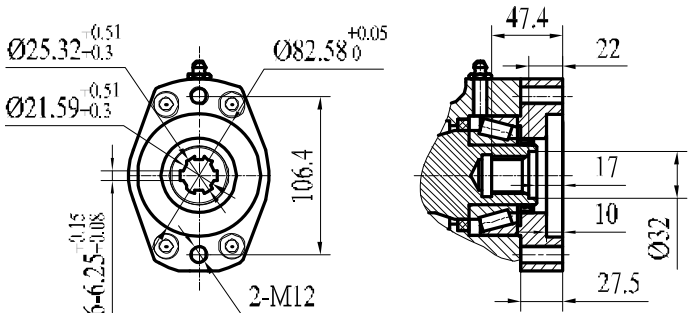
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



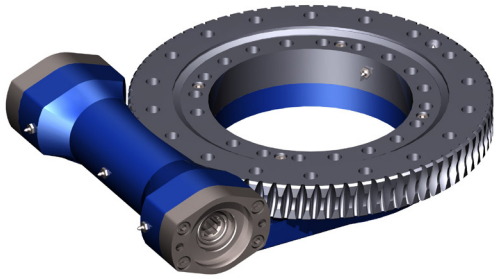
VIEW B OPTION

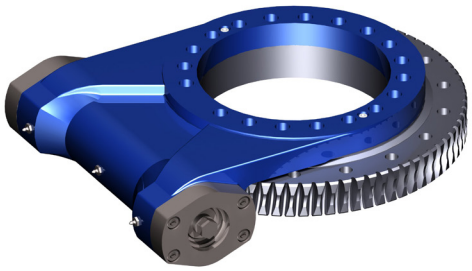


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

W12 | Slew Drive

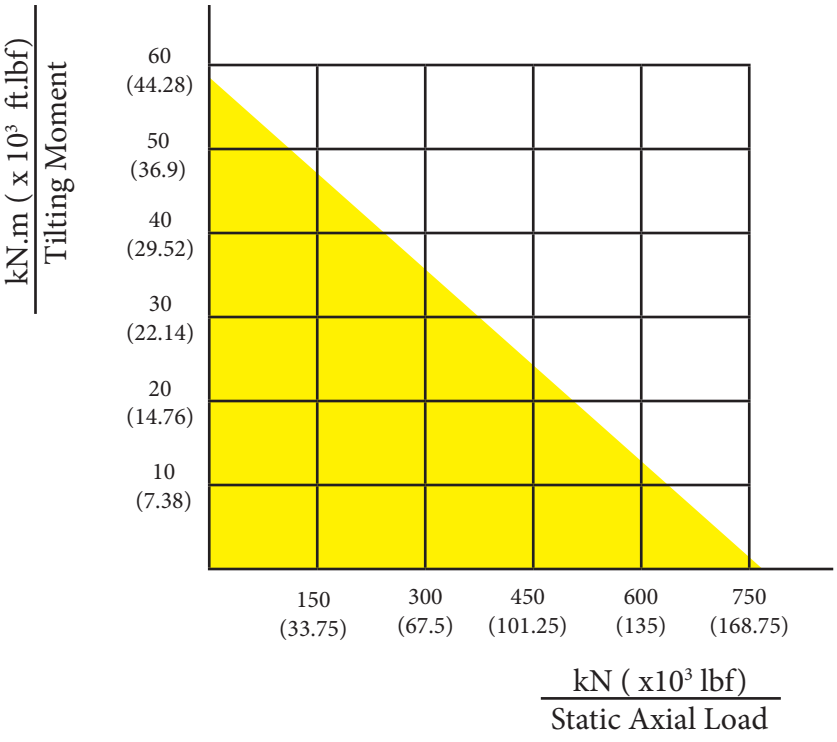




W12 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W12	9.5 kN.m	57 kN.m	43 kN.m	760 kN	280 kN	190 kN	148 kN	79 : 1	≤ 0.15 °	52 kg
	7011 ft.lbf	42.1 x 10^3 ft.lbf	32 x 10^3 ft.lbf	171.1 x 10^3 lbf	62.9 x 10^3 lbf	42.7 x 10^3 lbf	33.3 x 10^3 lbf			

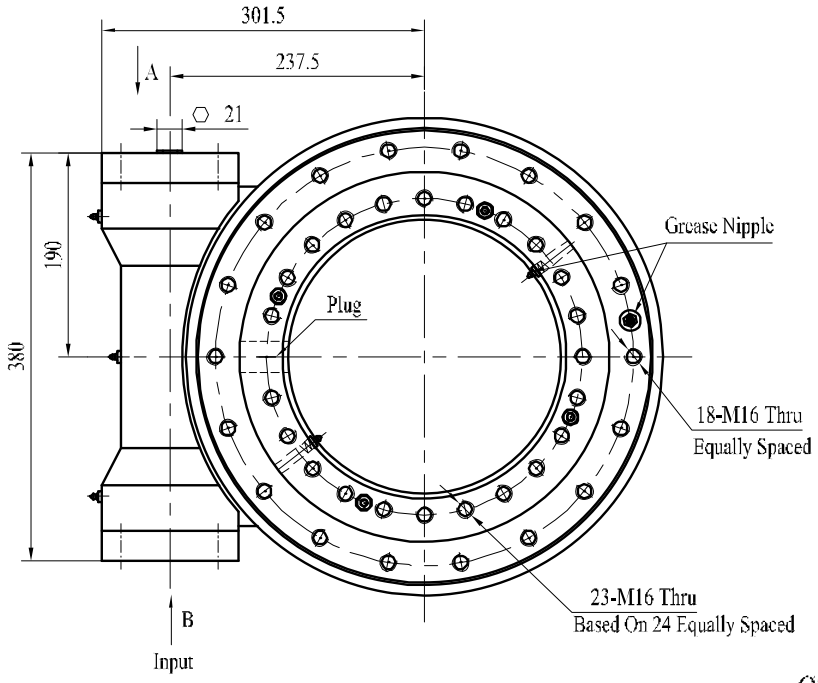
MOMENT LOAD CHART
Axial Load & Tilting Moment



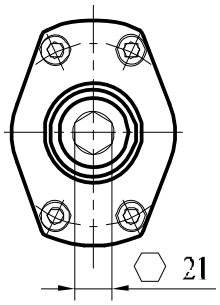
NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

W14 | Slew Drive

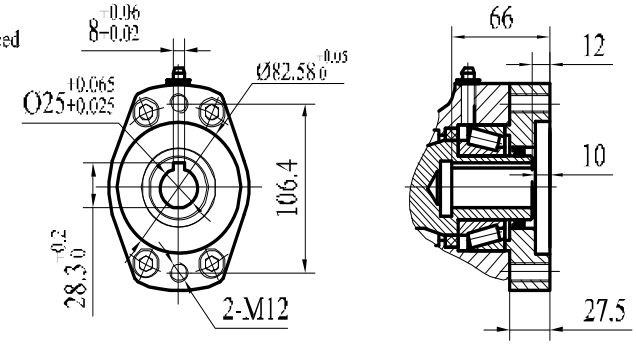
UNITS : mm
1 inch = 25.4 mm



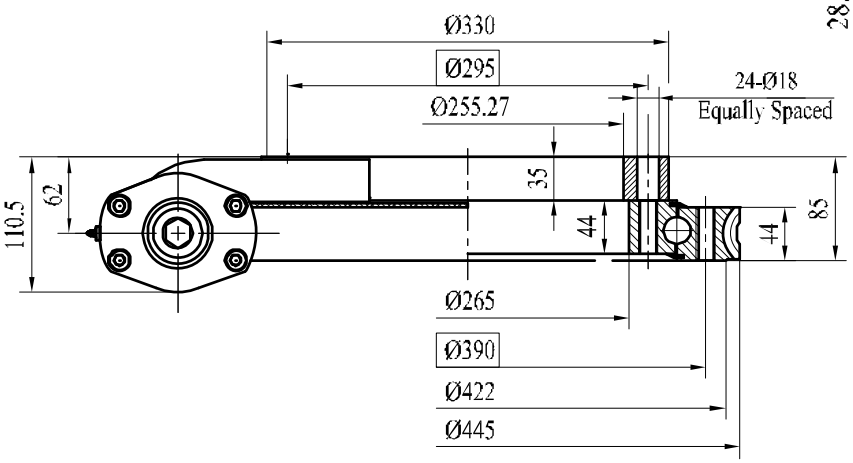
VIEW A OPTION
With HEX



VIEW B OPTION

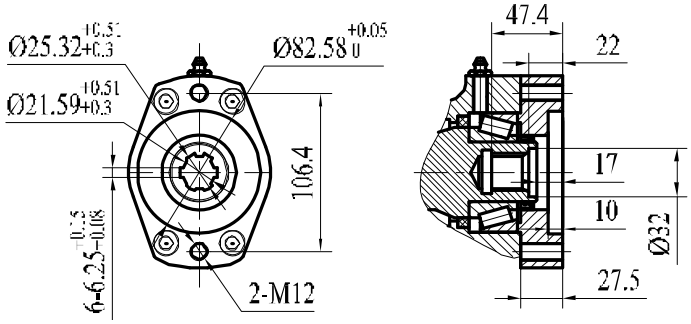


62 kg



↑12, ↑14, ↑16, ↑20, ↑25

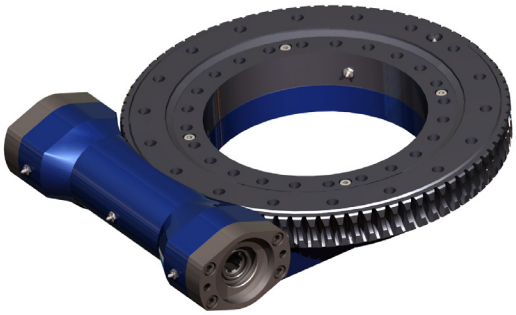
VIEW B OPTION

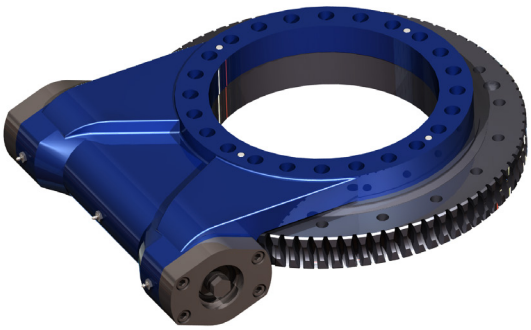


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

W14 | Slew Drive

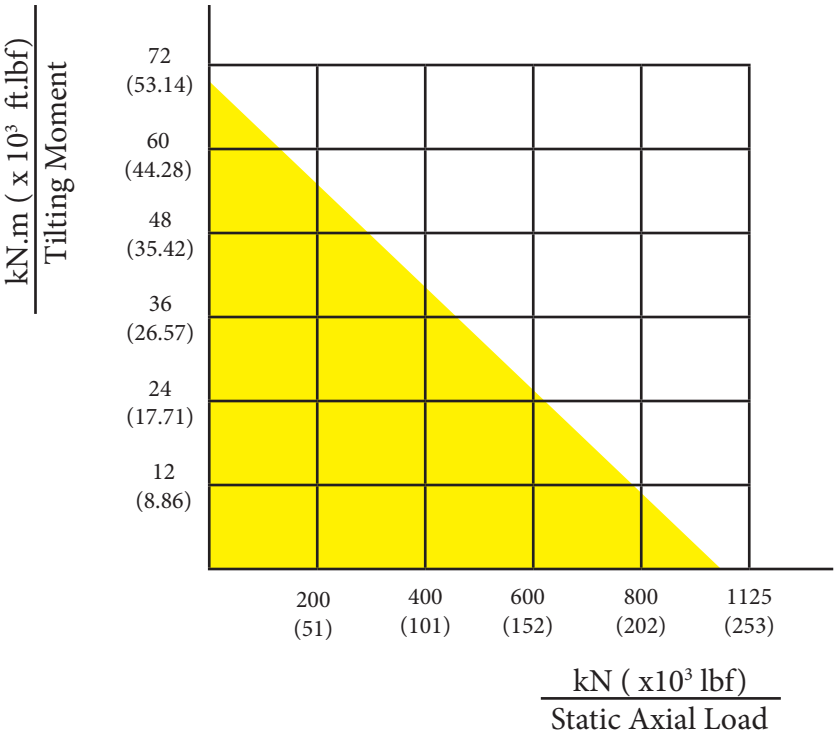




W14 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W14	10.8 kN.m	71.2 kN.m	48 kN.m	960 kN	360 kN	230 kN	200 kN	86 : 1	≤ 0.13 °	62 kg
	7970 ft.lbf	52.6 x 10^3 ft.lbf	35 x 10^3 ft.lbf	215.8 x 10^3 lbf	80.9 x 10^3 lbf	51.7 x 10^3 lbf	44.9 x 10^3 lbf			

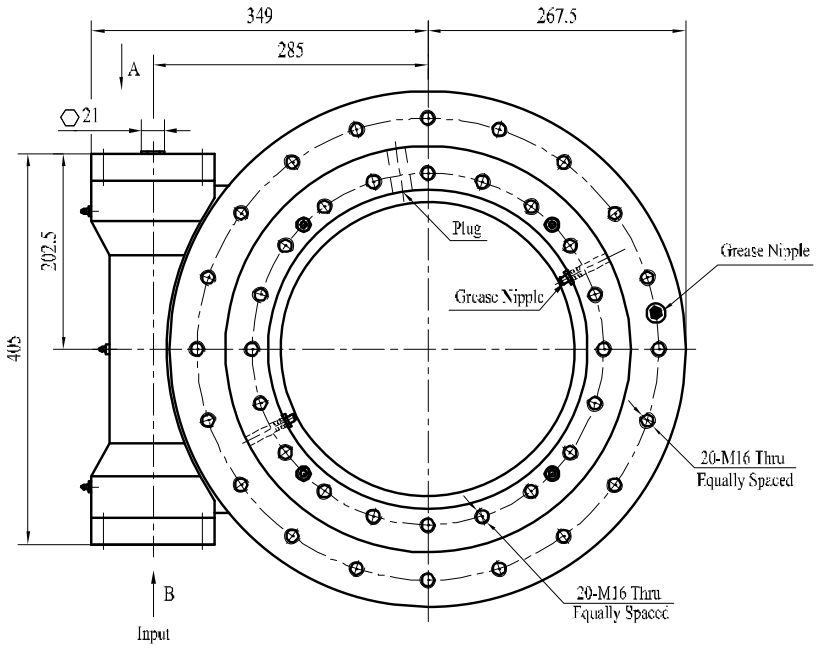
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

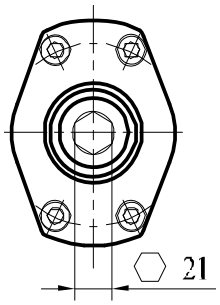
W17 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

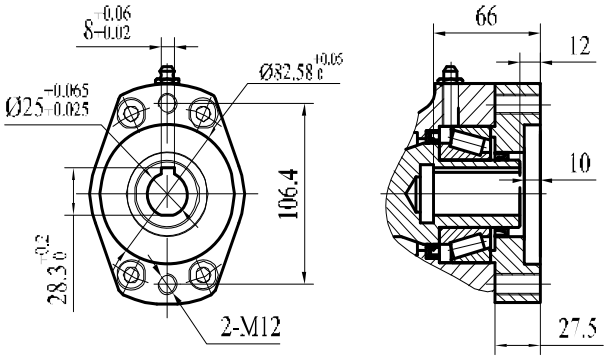


82 kg

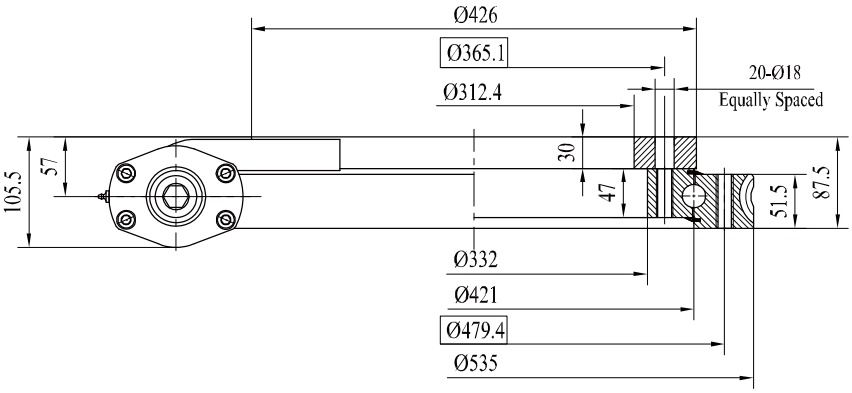
VIEW A OPTION
With HEX



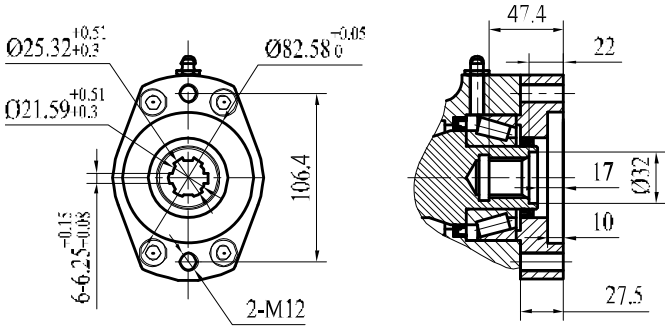
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



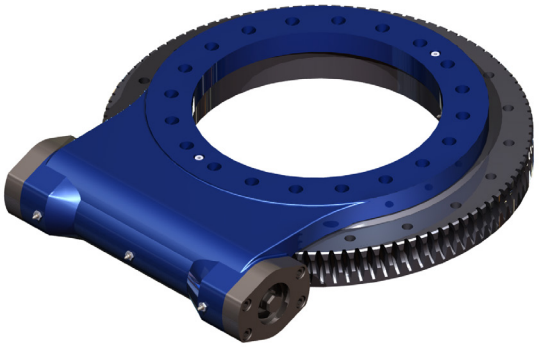
VIEW B OPTION



SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

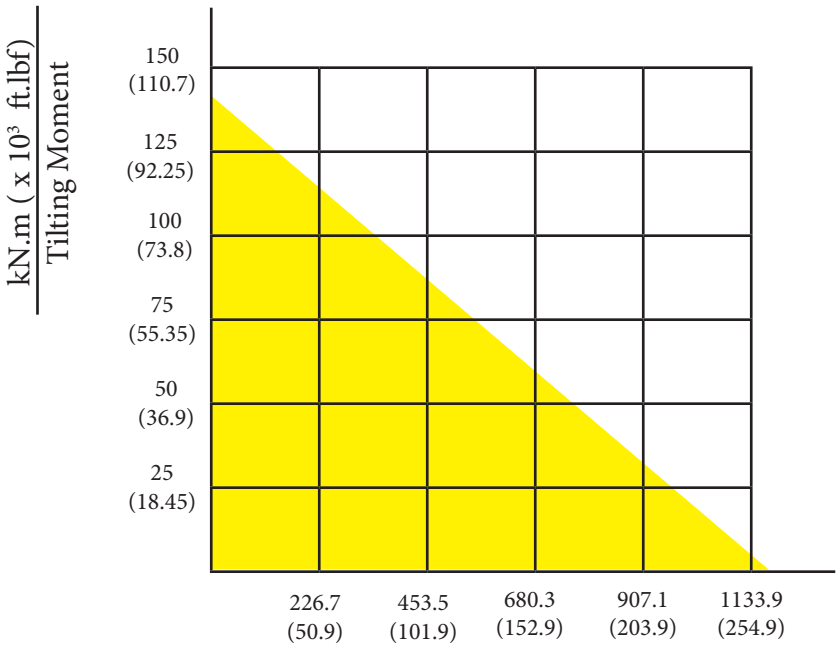
W17 | Slew Drive



W17 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W17	12.96 kN.m	142.4 kN.m	72.3 kN.m	1166 kN	435 kN	280 kN	231 kN	104 : 1	≤ 0.1°	82 kg
	9564 ft.lbf	105 x 10^3 ft.lbf	53.4 x 10^3 ft.lbf	262 x 10^3 lbf	97.8 x 10^3 lbf	62.9 x 10^3 lbf	51.9 x 10^3 lbf			

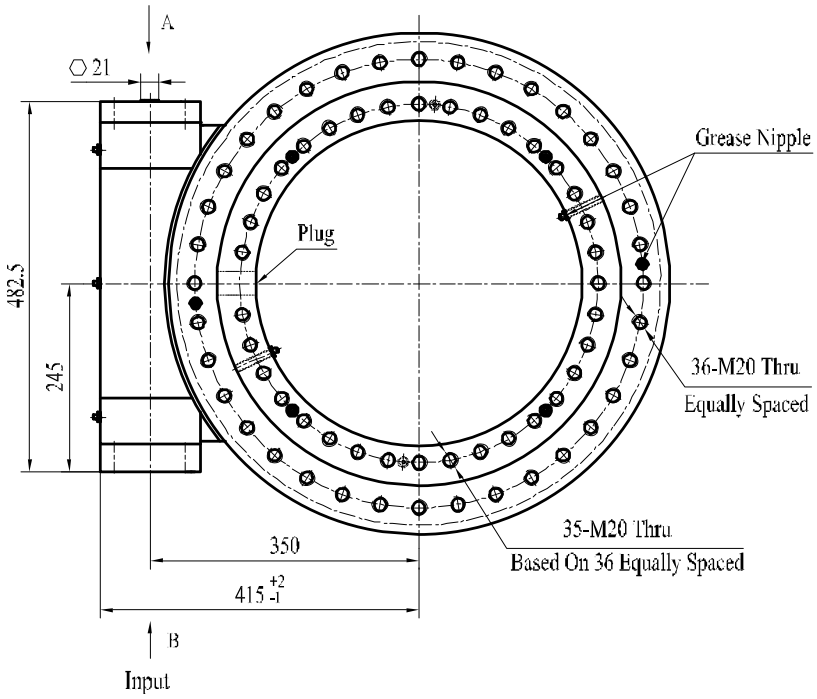
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

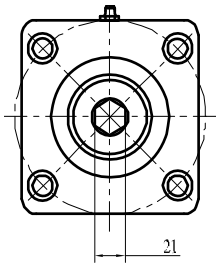
W21 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

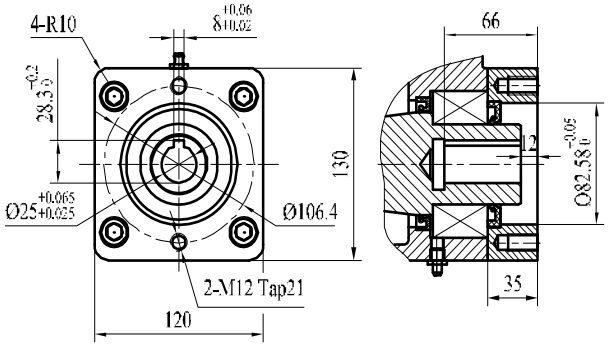


139 kg

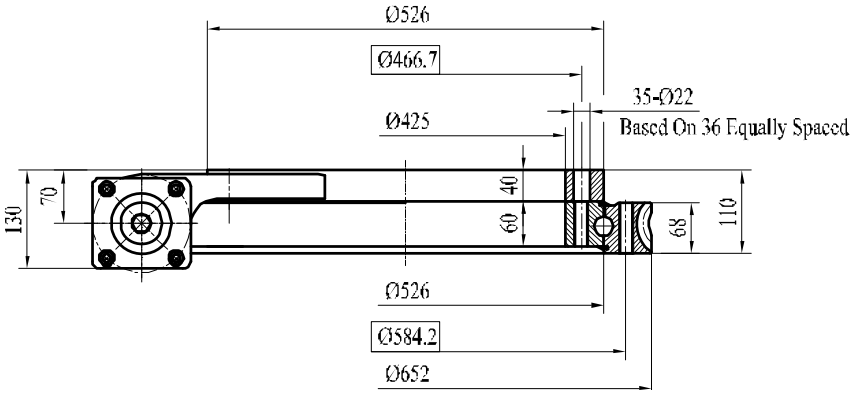
VIEW A OPTION
With HEX



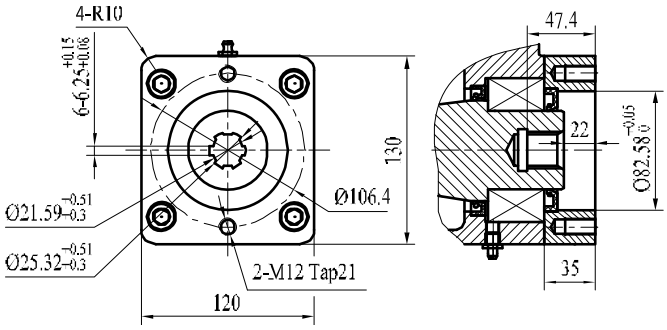
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



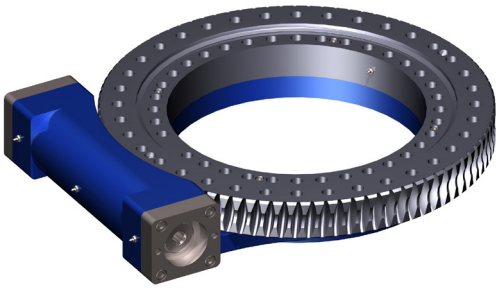
VIEW B OPTION

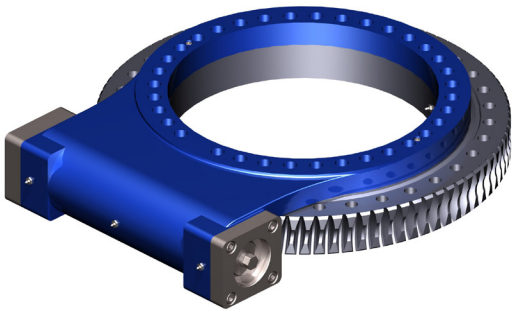


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

W21 | Slew Drive

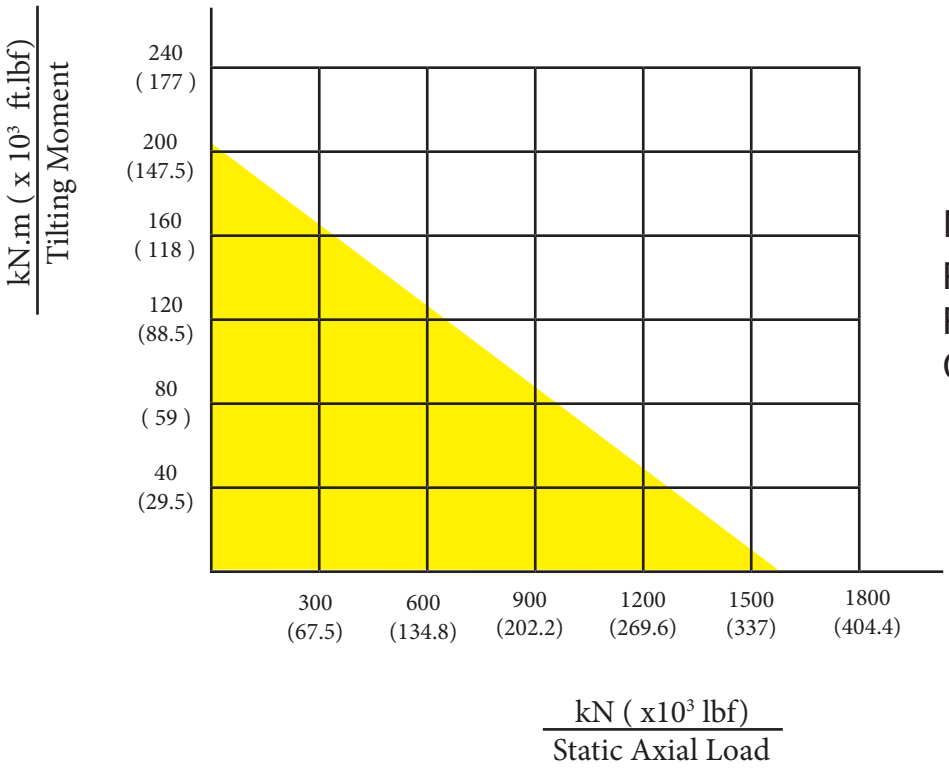




W21 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W21	28.7 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	90 : 1	≤ 0.1°	139 kg
	21180 ft.lbf	150 x 10^3 ft.lbf	78 x 10^3 ft.lbf	359 x 10^3 lbf	144 x 10^3 lbf	87 x 10^3 lbf	75 x 10^3 lbf			

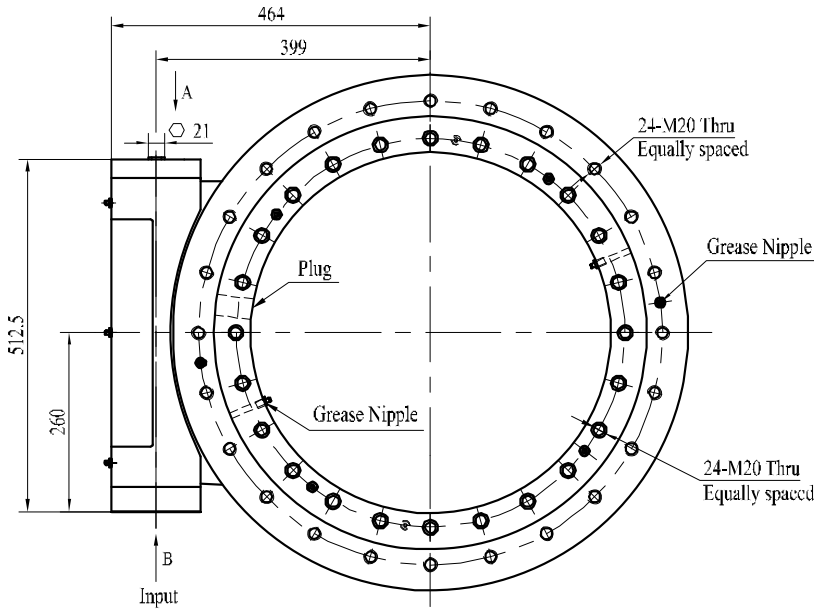
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

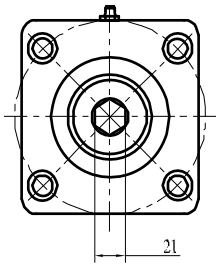
W25 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

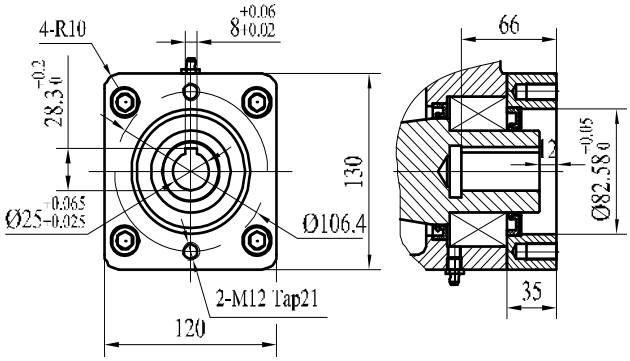


176 kg

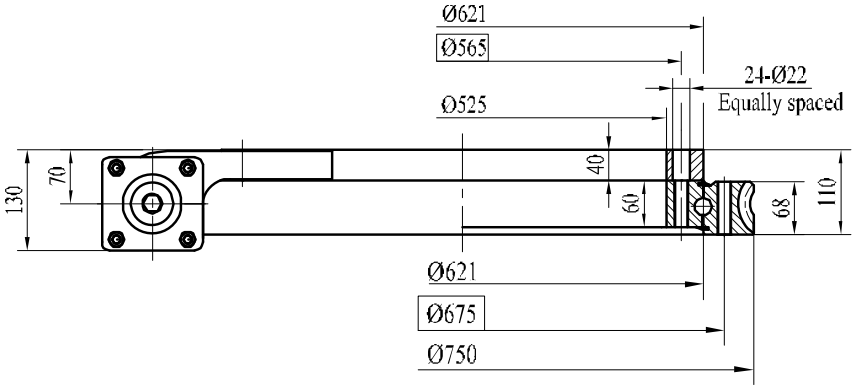
VIEW A OPTION
With HEX



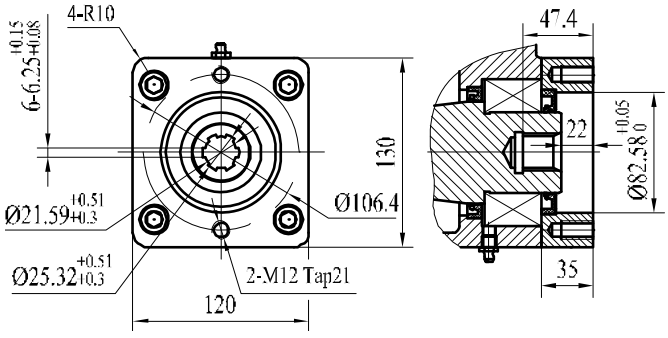
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



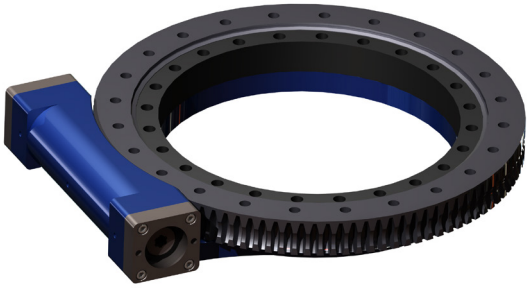
VIEW B OPTION

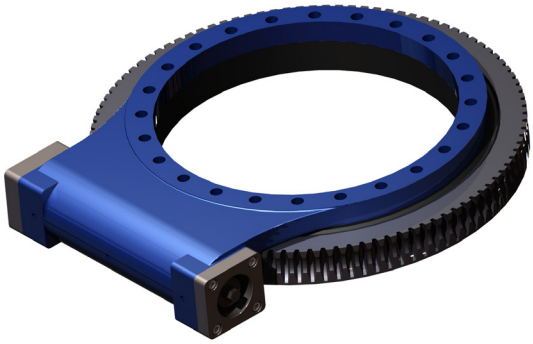


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

W25 | Slew Drive

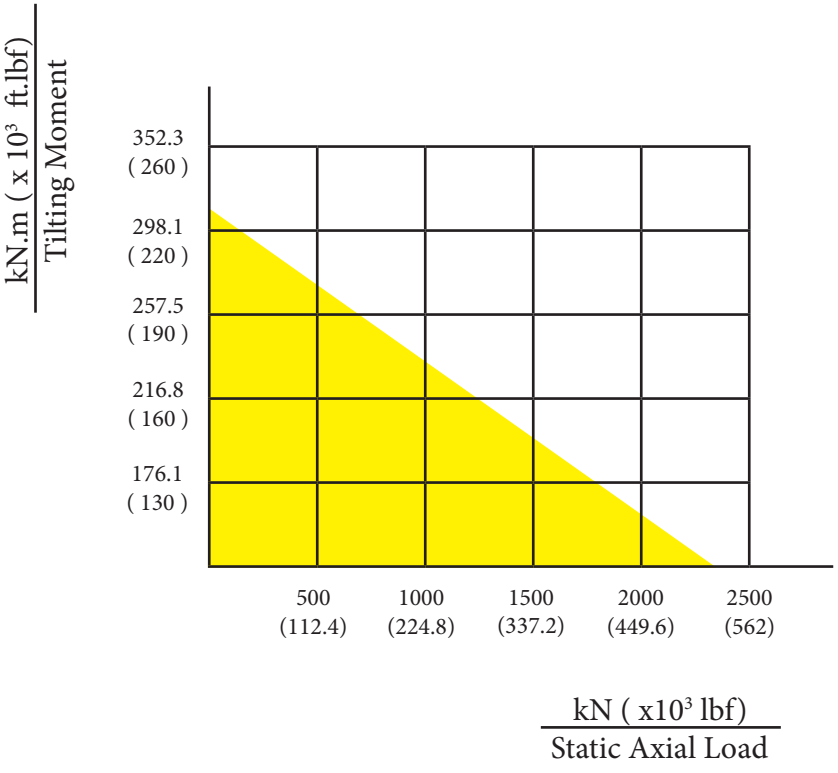




W25 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
W25	34.2 kN.m	310 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	104 : 1	≤ 0.1°	176 kg
	25240 ft.lbf	229 x 10^3 ft.lbf	117 x 10^3 ft.lbf	531 x 10^3 lbf	212 x 10^3 lbf	133 x 10^3 lbf	106 x 10^3 lbf			

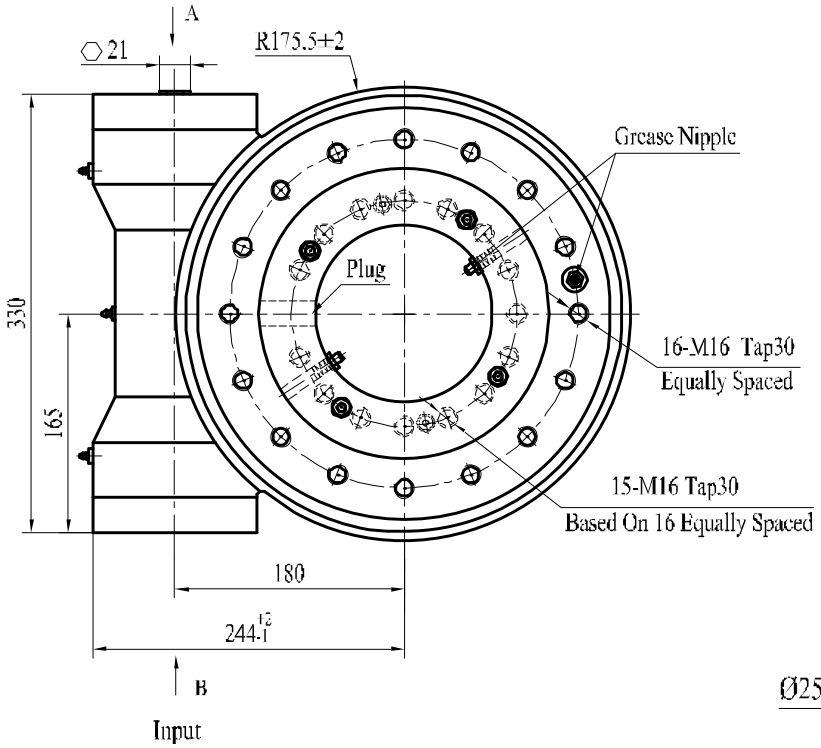
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

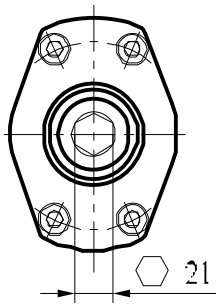
WE9 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

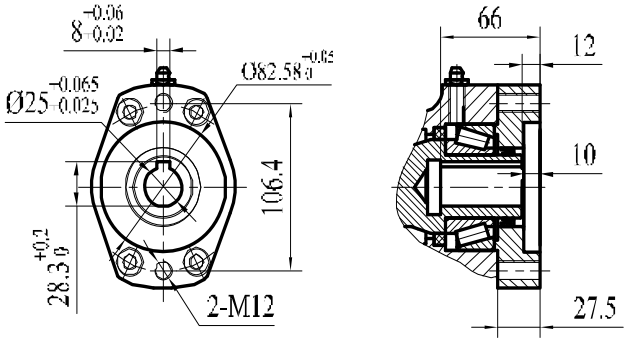


48.5 kg

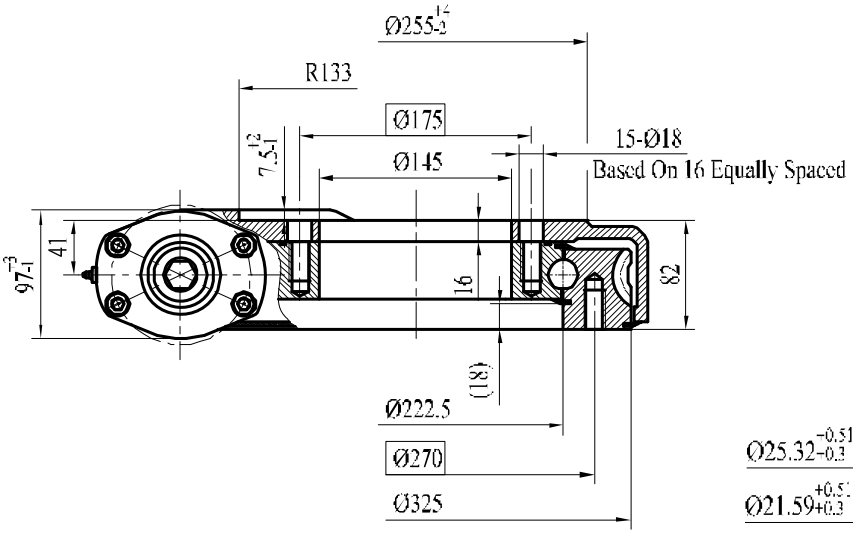
VIEW A OPTION
With HEX



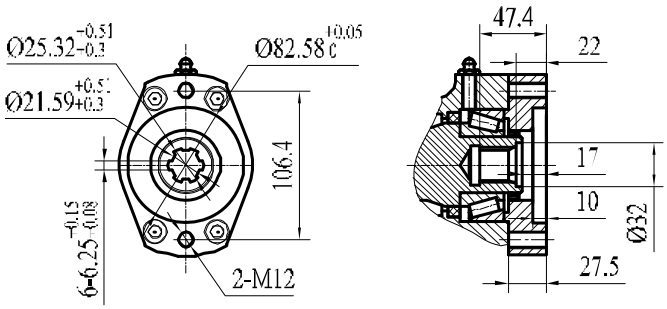
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



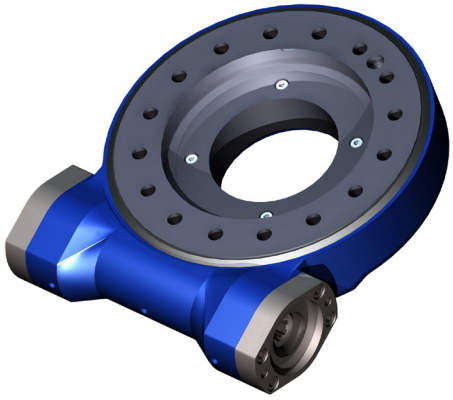
VIEW B OPTION

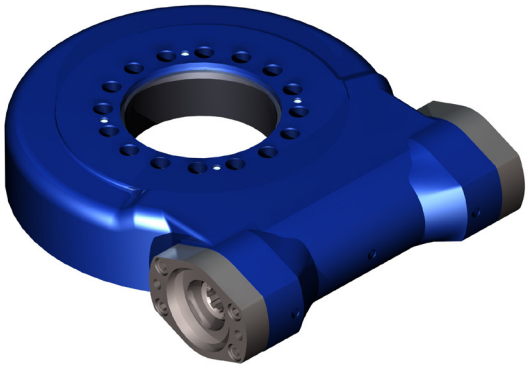


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WE9 | Slew Drive

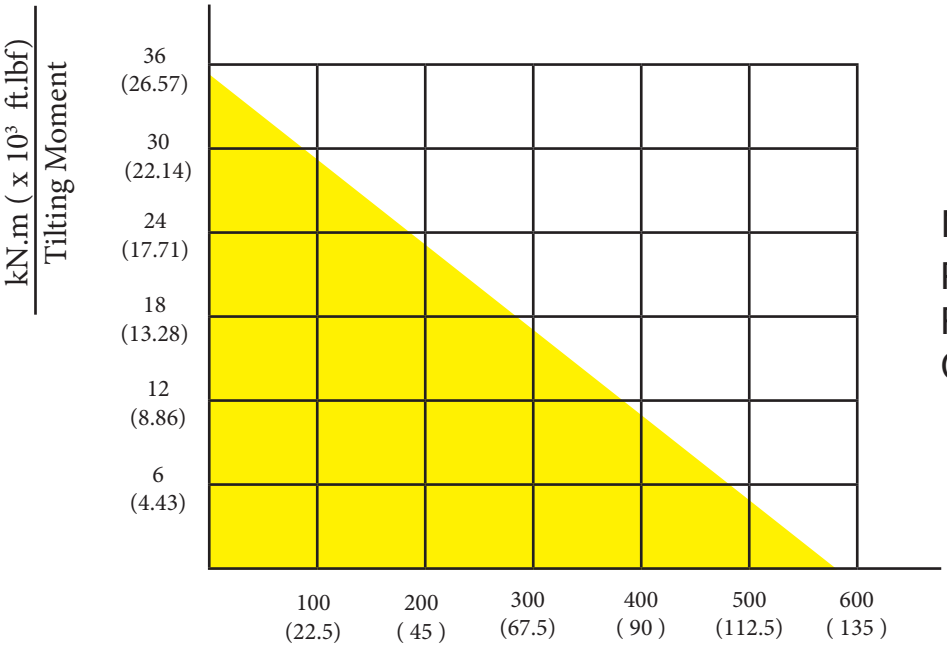




WE9 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WE9	8 kN.m	35.6 kN.m	38.7 kN.m	578 kN	215 kN	136 kN	115 kN	62 : 1	≤ 0.15°	48.5 kg
	5904 ft.lbf	26.3 x 10^3 ft.lbf	29 x 10^3 ft.lbf	129.9 x 10^3 lbf	48.3 x 10^3 lbf	30.6 x 10^3 lbf	25.9 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment

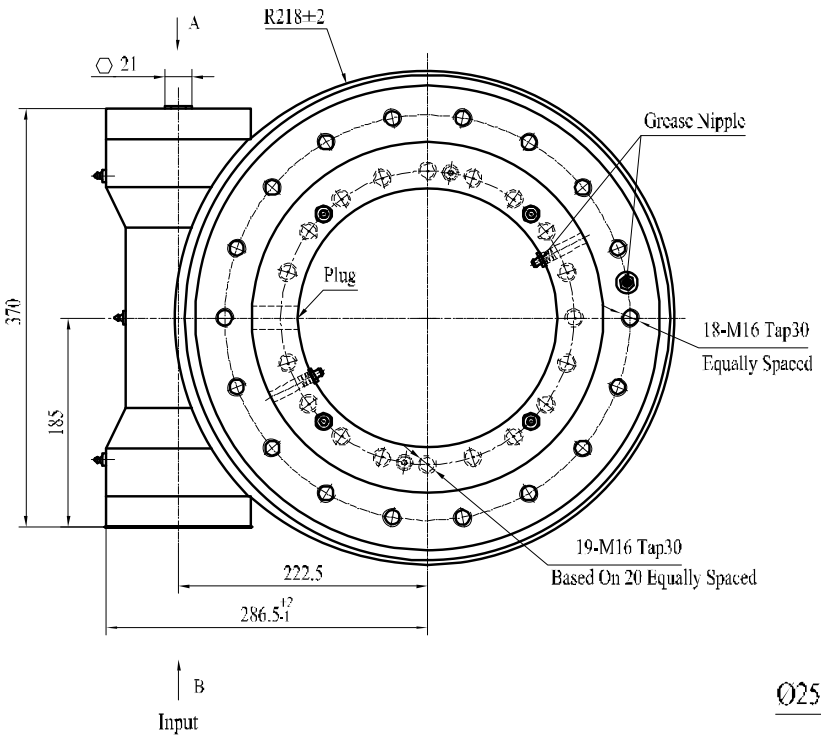


kN (x10^3 lbf)
Static Axial Load

NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

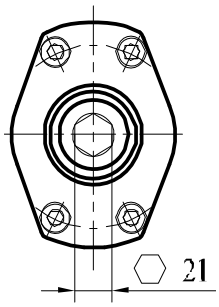
WE12 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

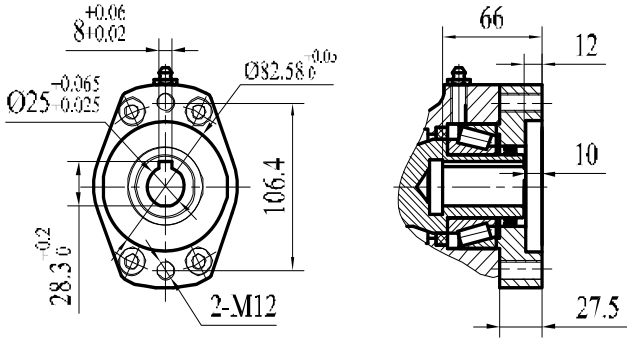


61 kg

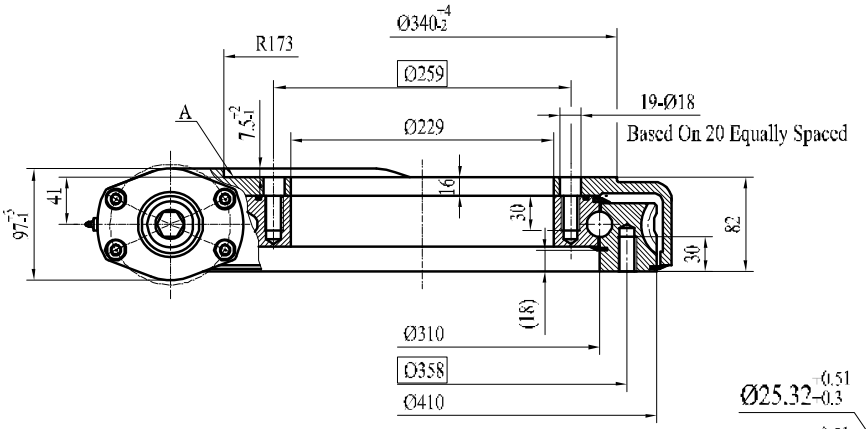
VIEW A OPTION
With HEX



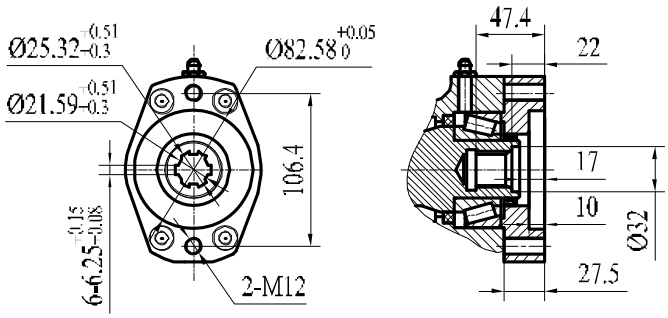
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



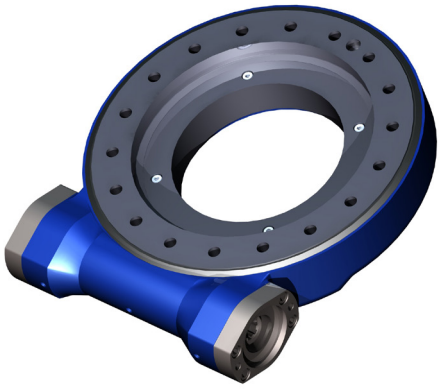
VIEW B OPTION

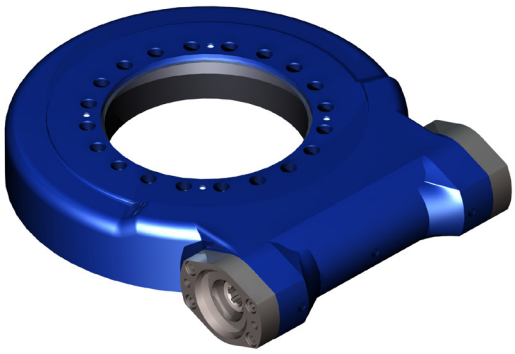


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WE12 | Slew Drive

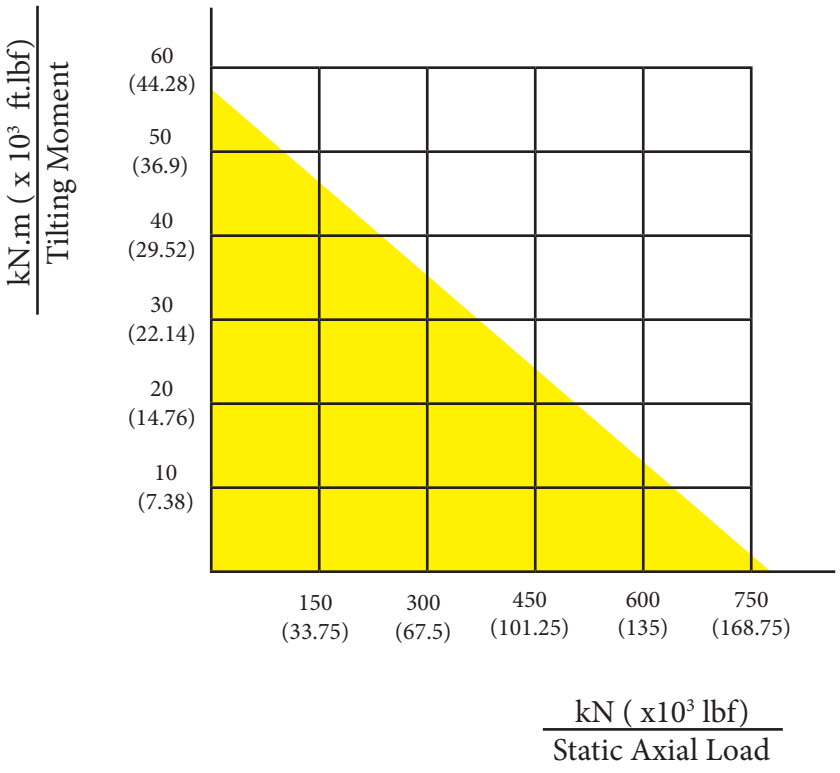




WE12 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WE12	9.5 kN.m	57 kN.m	43 kN.m	760 kN	280 kN	190 kN	148 kN	79 : 1	≤ 0.15°	61 kg
	7011 ft.lbf	42.1 x 10^3 ft.lbf	32 x 10^3 ft.lbf	171.1 x 10^3 lbf	62.9 x 10^3 lbf	42.7 x 10^3 lbf	33.3 x 10^3 lbf			

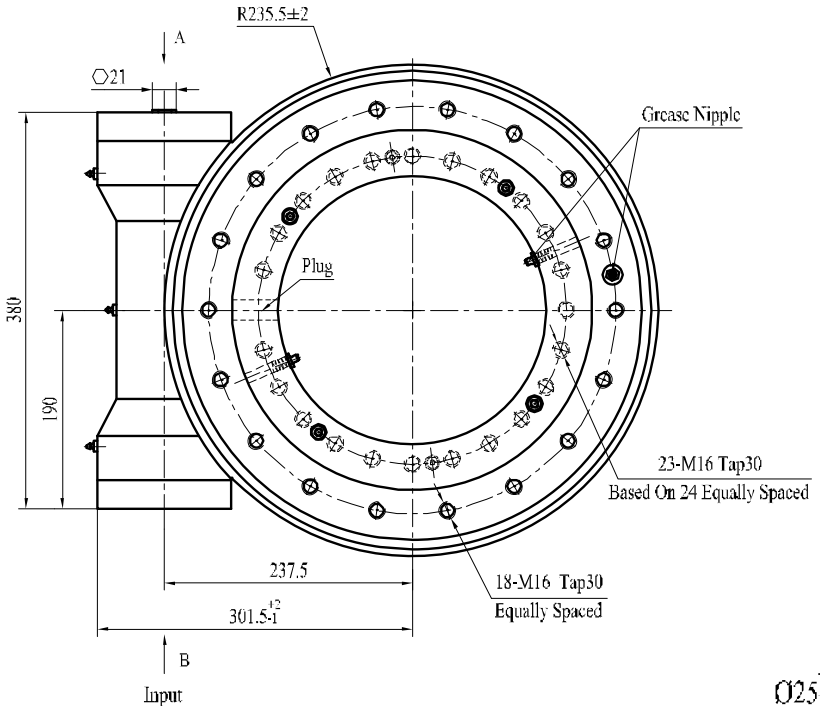
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

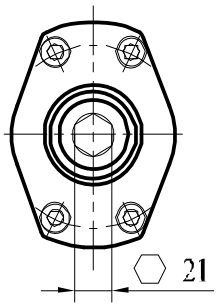
WE14 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

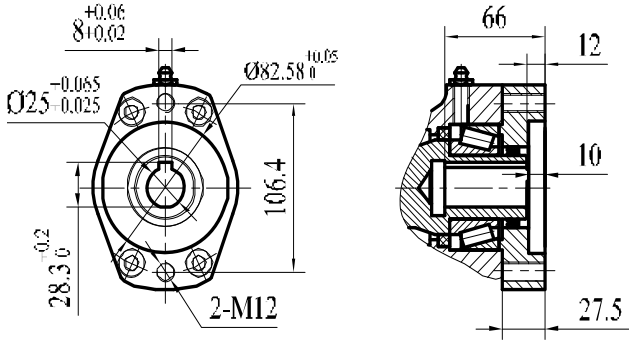


68 kg

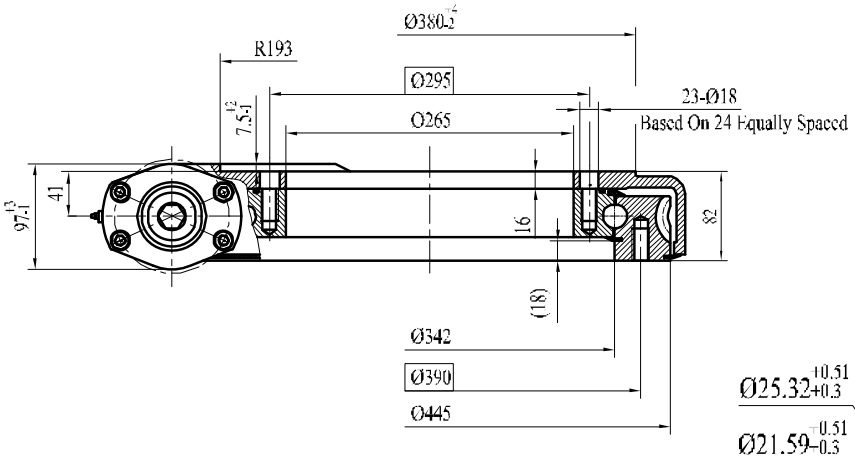
VIEW A OPTION
With HEX



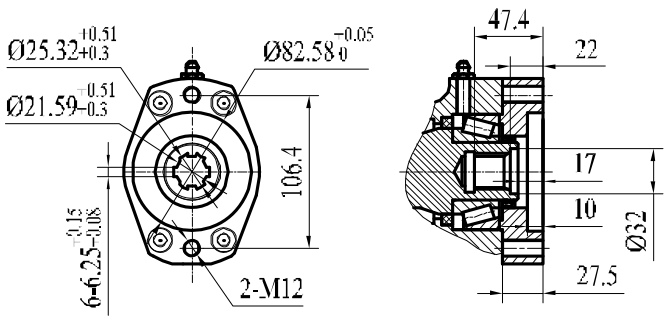
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



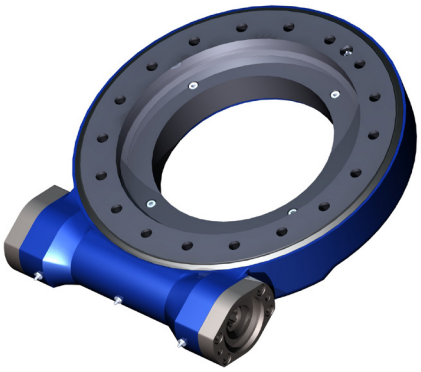
VIEW B OPTION

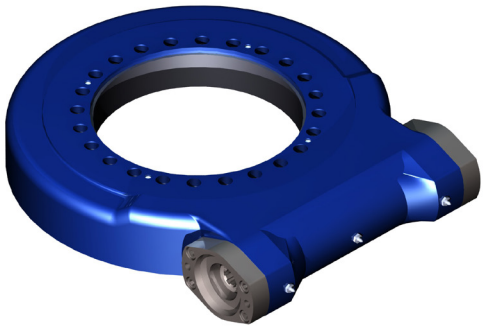


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WE14 | Slew Drive

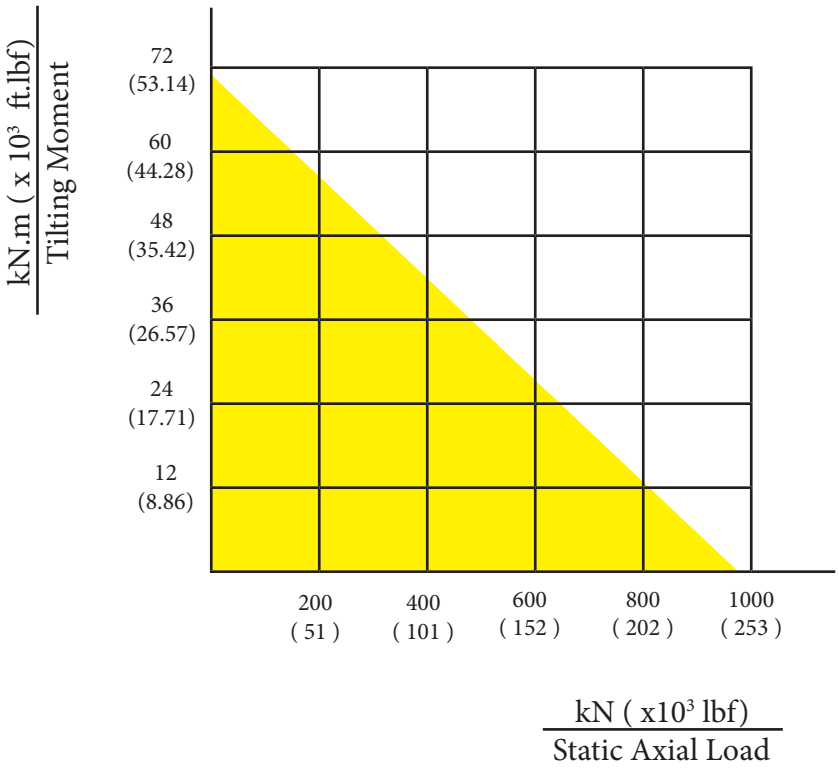




WE14 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WE14	10.8 kN.m	71.2 kN.m	48 kN.m	960 kN	360 kN	230 kN	200 kN	86 : 1	≤ 0.13°	68 kg
	7970 ft.lbf	52.6 x 10^3 ft.lbf	35 x 10^3 ft.lbf	215.8 x 10^3 lbf	80.9 x 10^3 lbf	51.7 x 10^3 lbf	44.9 x 10^3 lbf			

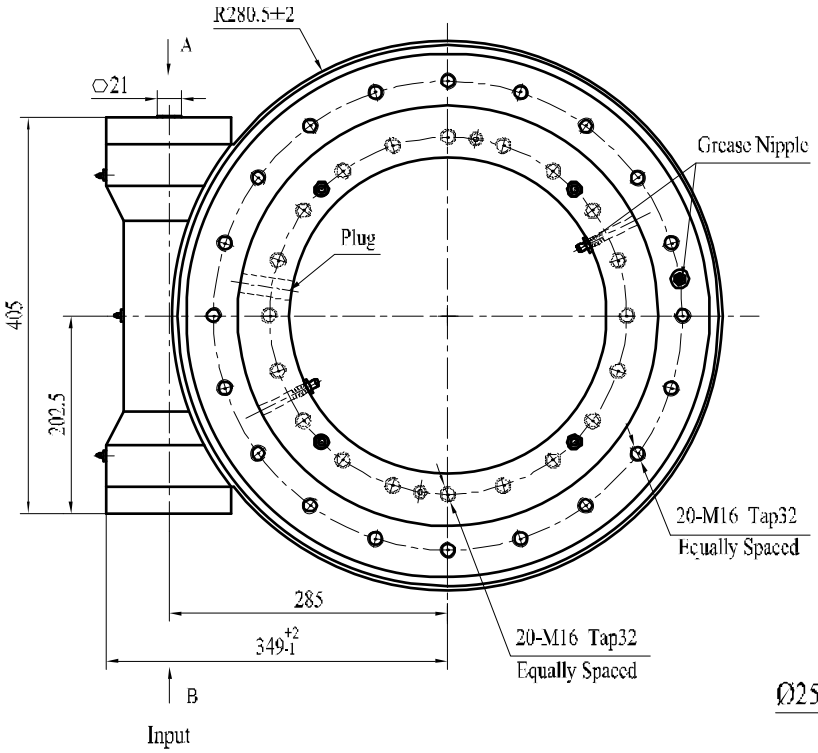
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

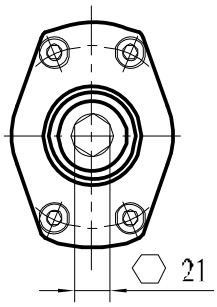
WE17 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

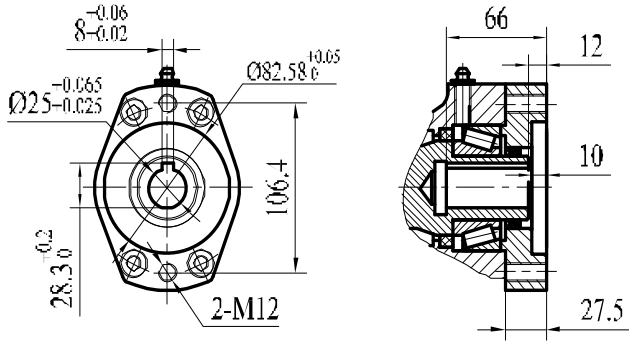


90 kg

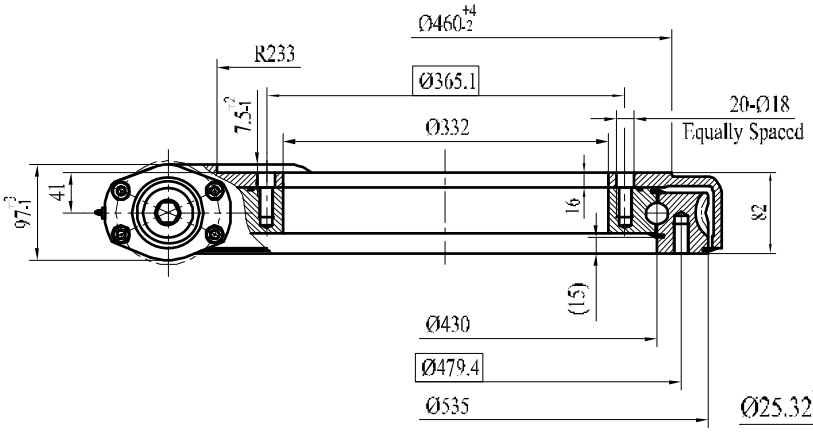
VIEW A OPTION
With HEX



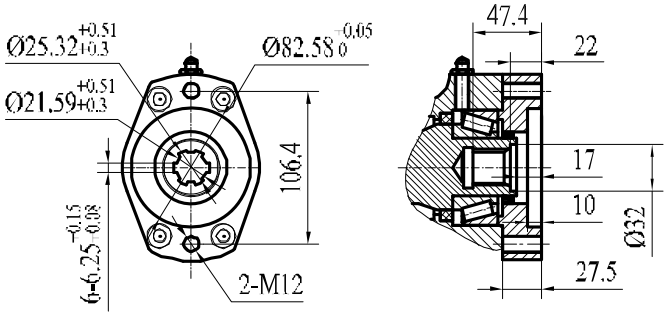
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



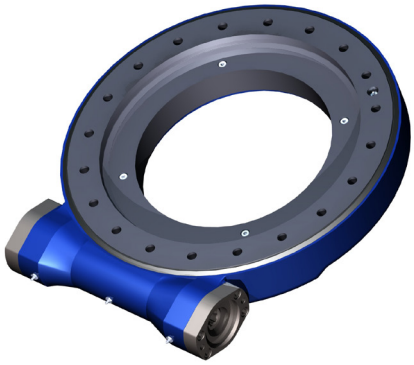
VIEW B OPTION

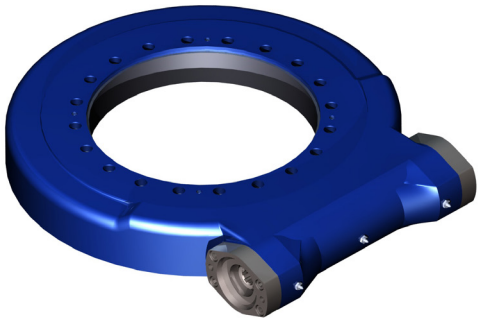


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WE17 | Slew Drive

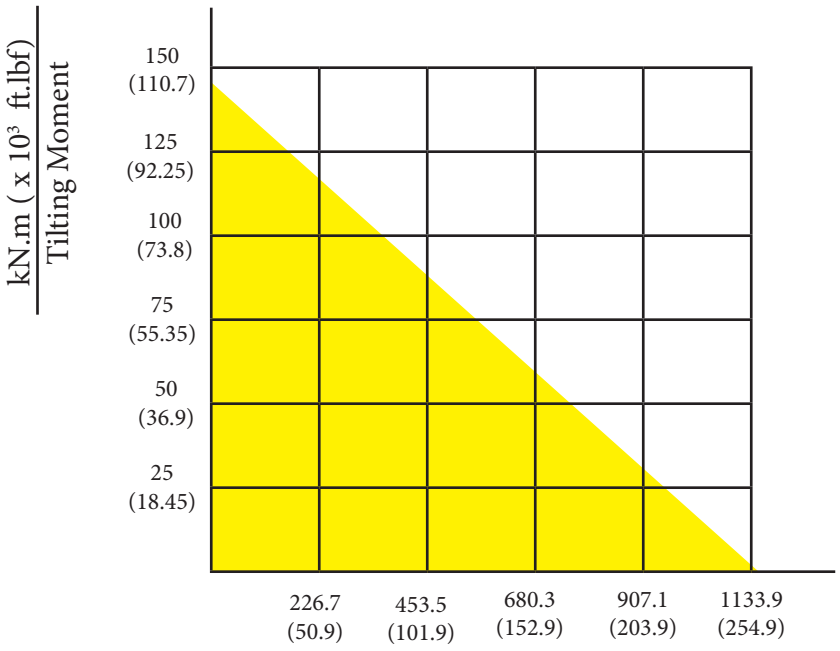




WE17 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WE17	12.96 kN.m	142.4 kN.m	72.3 kN.m	1166 kN	435 kN	280 kN	231 kN	104 : 1	≤ 0.1°	90 kg
	9564 ft.lbf	105 x 10^3 ft.lbf	53.4 x 10^3 ft.lbf	262 x 10^3 lbf	97.8 x 10^3 lbf	62.9 x 10^3 lbf	51.9 x 10^3 lbf			

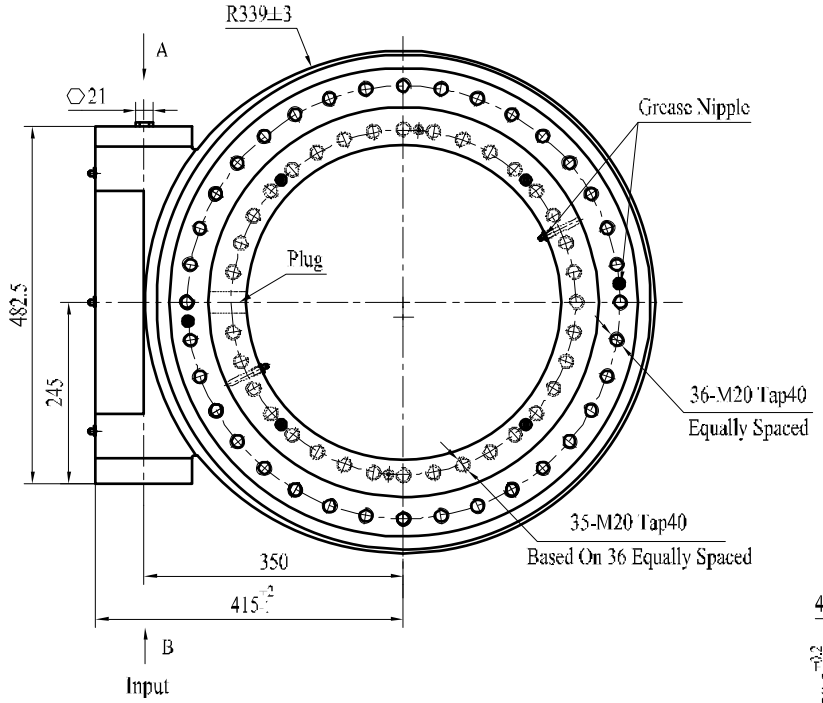
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

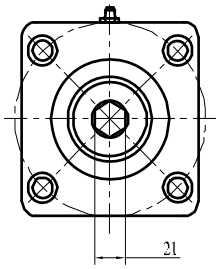
WE21 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

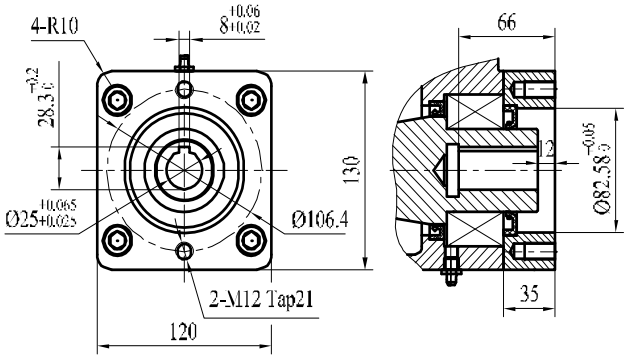


169 kg

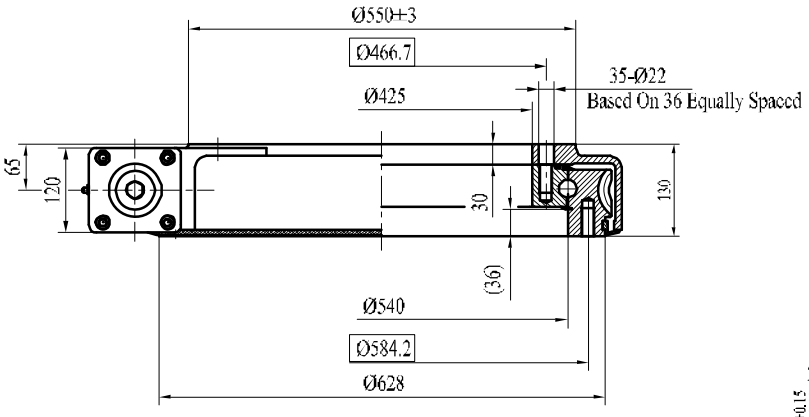
VIEW A OPTION
With HEX



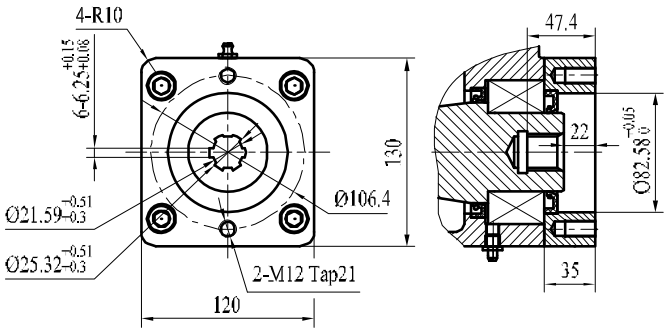
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



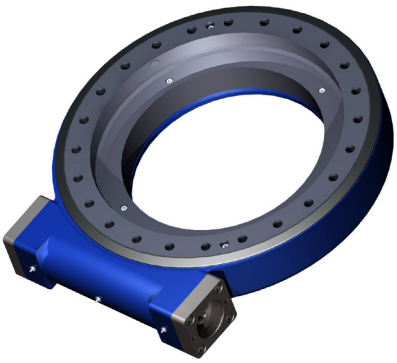
VIEW B OPTION

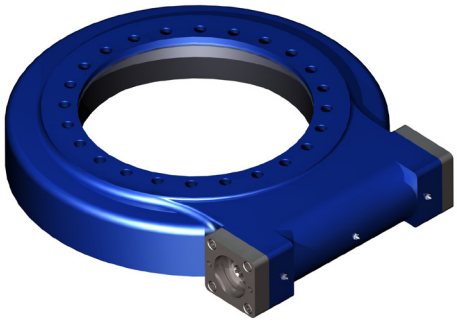


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WE21 | Slew Drive

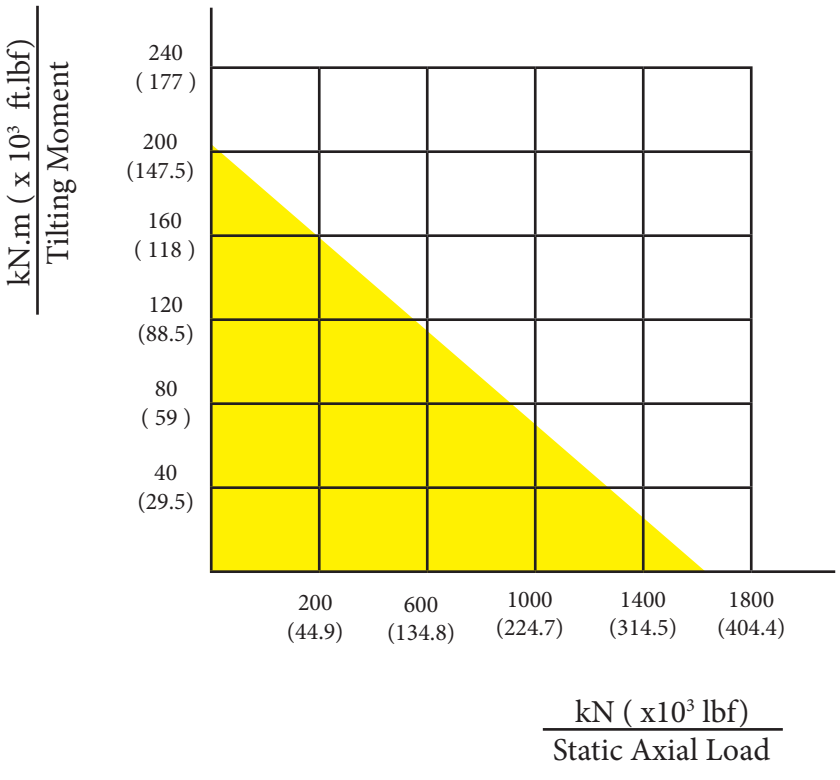




WE21 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WE21	28.7 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	90 : 1	≤ 0.1°	169 kg
	21180 ft.lbf	150 x 10^3 ft.lbf	78.1 x 10^3 ft.lbf	359 x 10^3 lbf	144 x 10^3 lbf	87 x 10^3 lbf	75 x 10^3 lbf			

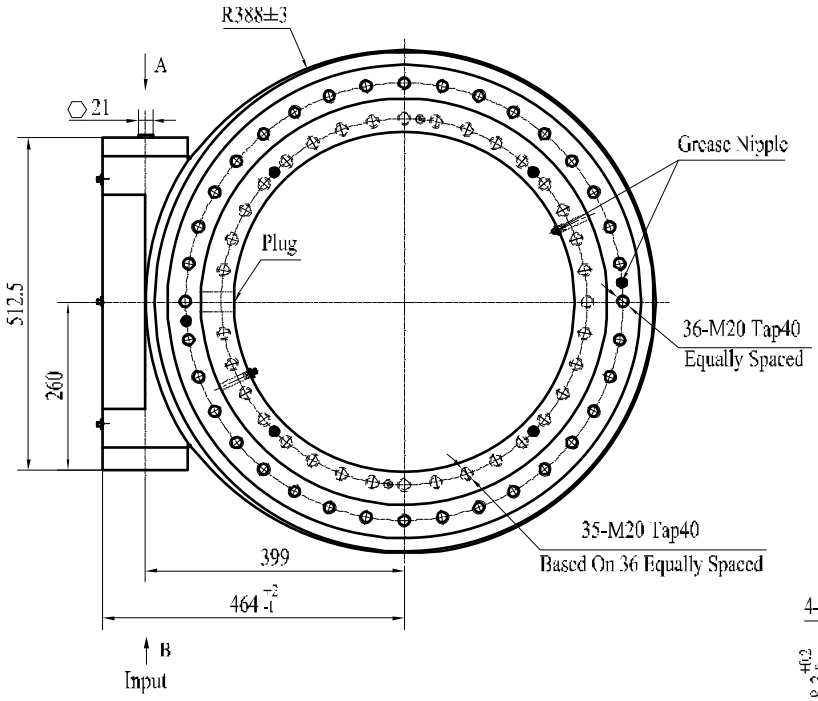
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

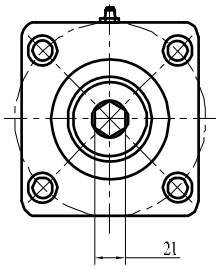
WE25 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

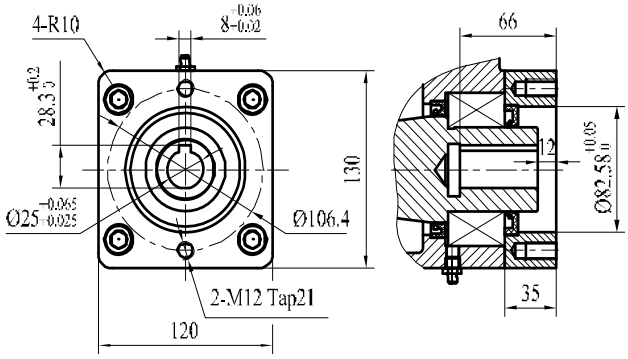


199 kg

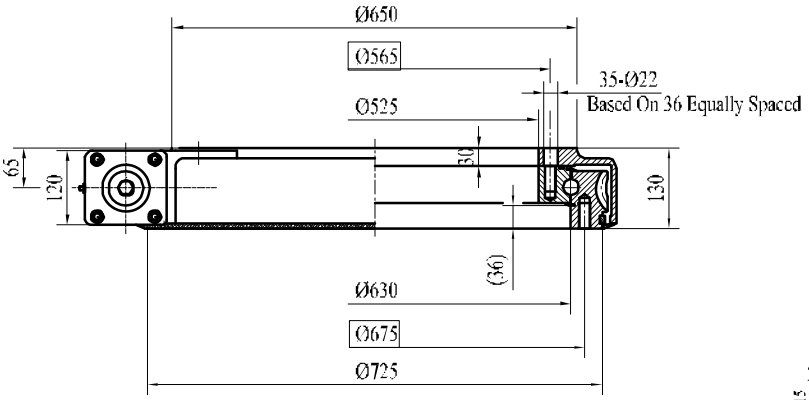
VIEW A OPTION
With HEX



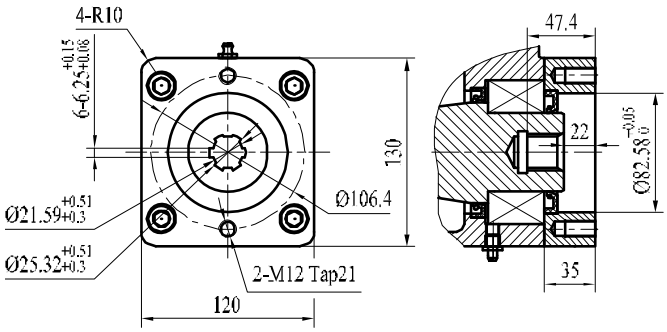
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



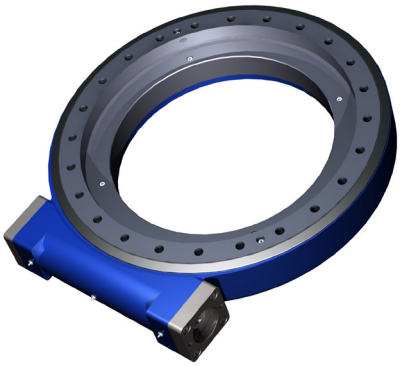
VIEW B OPTION

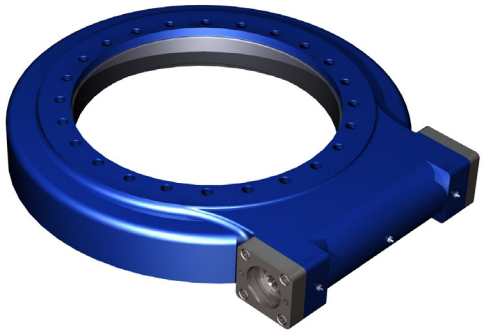


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WE25 | Slew Drive

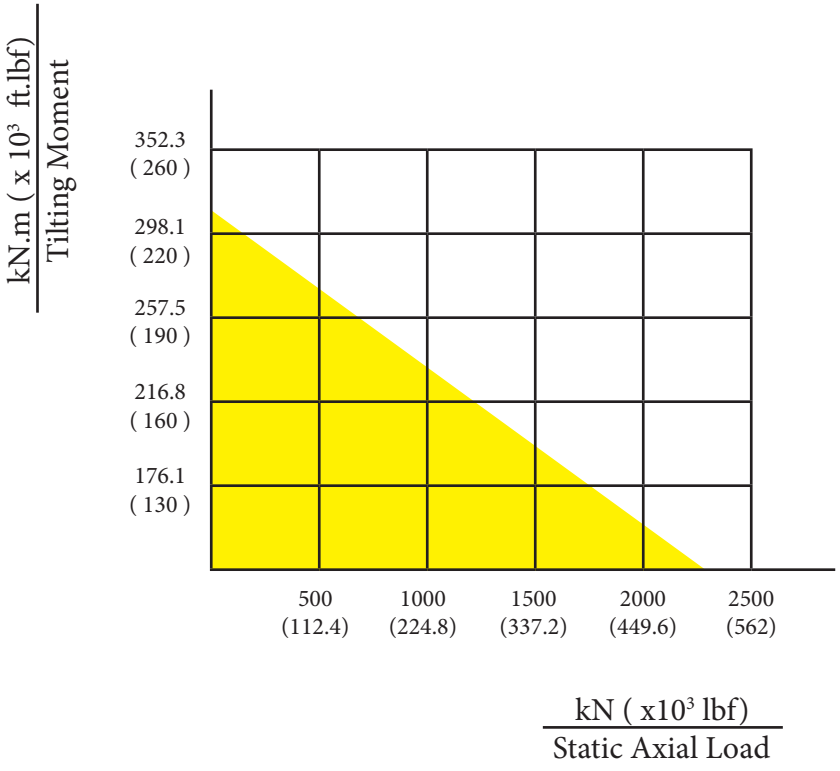




WE25 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WE25	34.2 kN.m	310 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	104 : 1	≤ 0.1°	199 kg
	25240 ft.lbf	229 x 10^3 ft.lbf	117 x 10^3 ft.lbf	531 x 10^3 lbf	212 x 10^3 lbf	133 x 10^3 lbf	106 x 10^3 lbf			

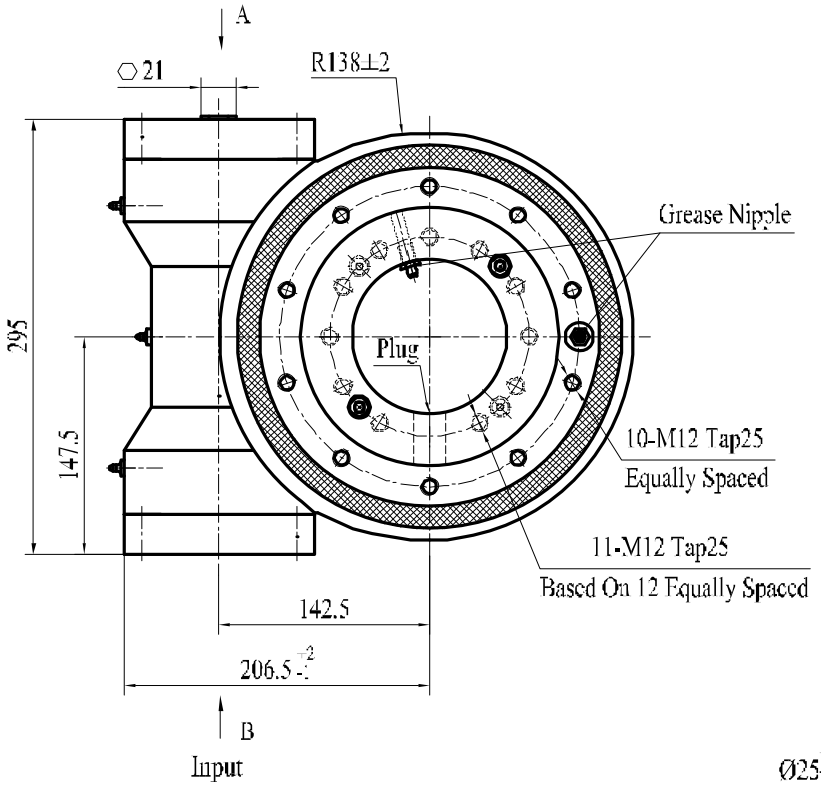
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

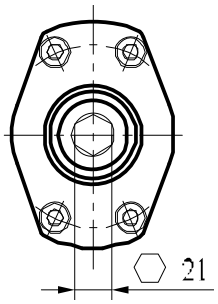
WEA7 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

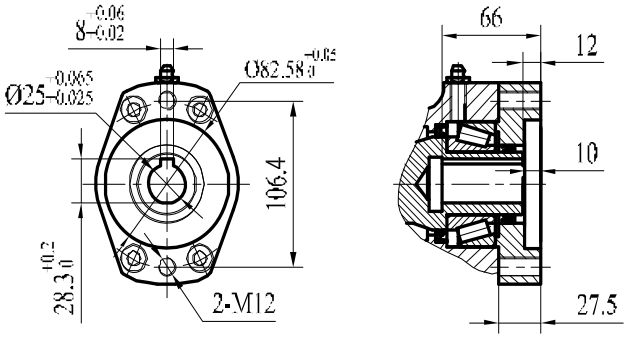


35 kg

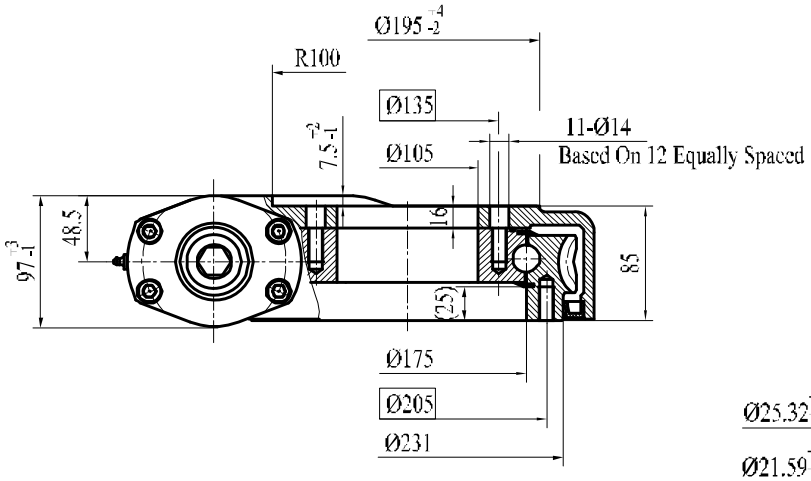
VIEW A OPTION
With HEX



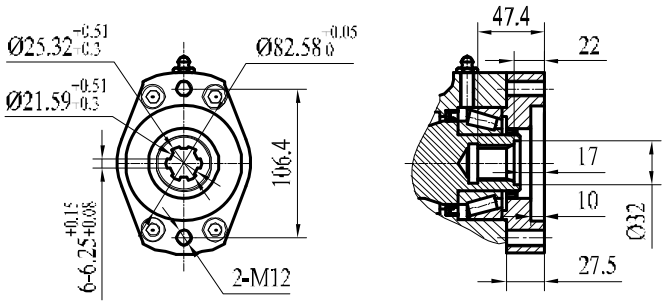
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



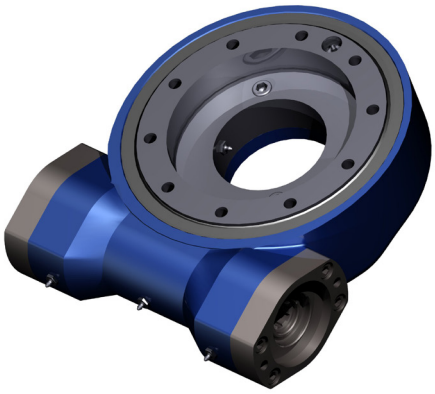
VIEW B OPTION

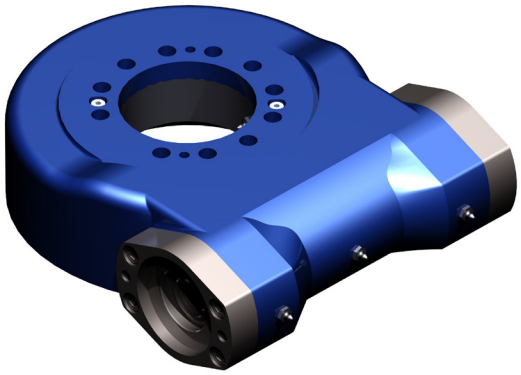


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA7 | Slew Drive

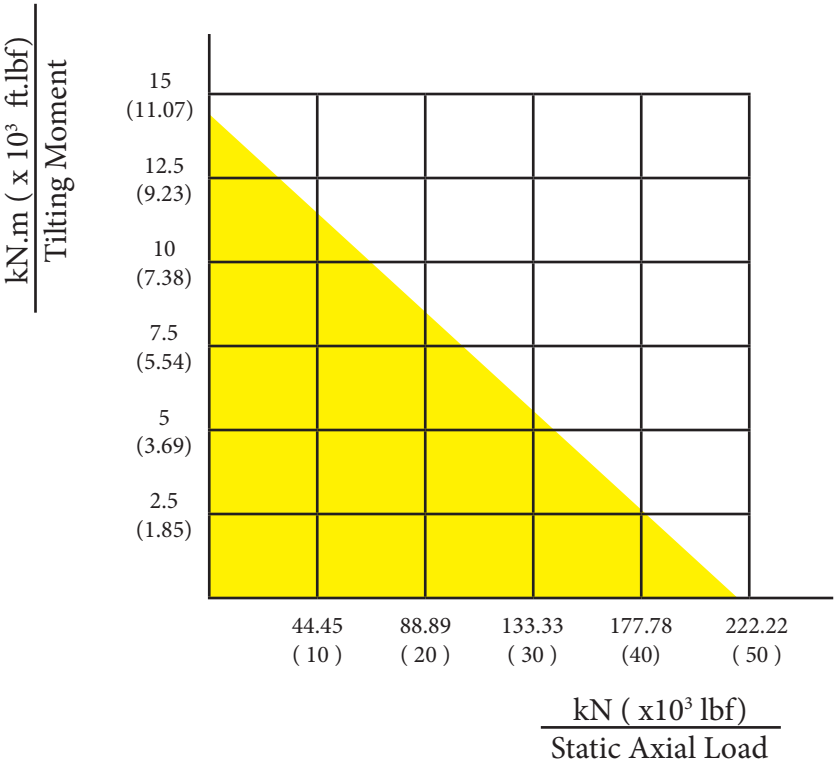




WEA7 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA7	3.5 kN.m	14.2 kN.m	20 kN.m	220 kN	90 kN	63 kN	48 kN	47 : 1	≤ 0.15°	35 kg
	2583 ft.lbf	10.5 x 10^3 ft.lbf	14.8 x 10^3 ft.lbf	49.5 x 10^3 lbf	20.2 x 10^3 lbf	14.2 x 10^3 lbf	10.8 x 10^3 lbf			

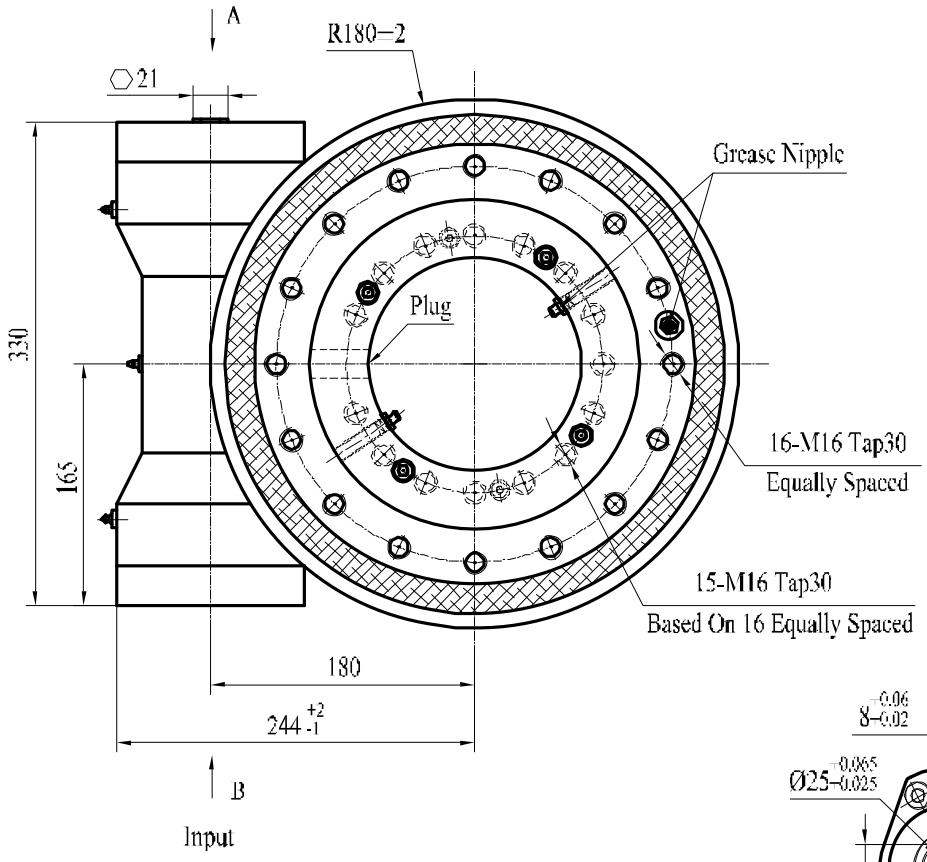
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

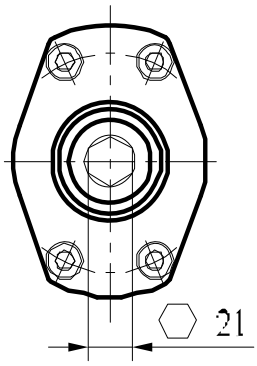
WEA9 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

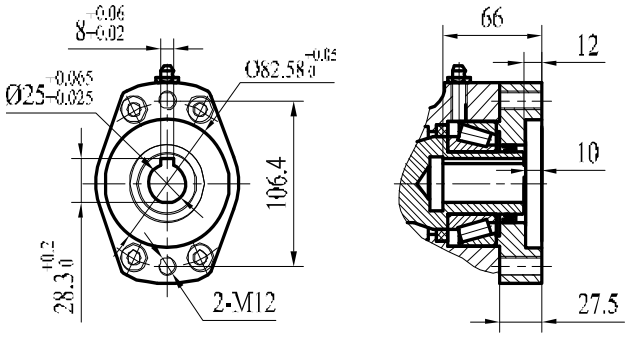


53 kg

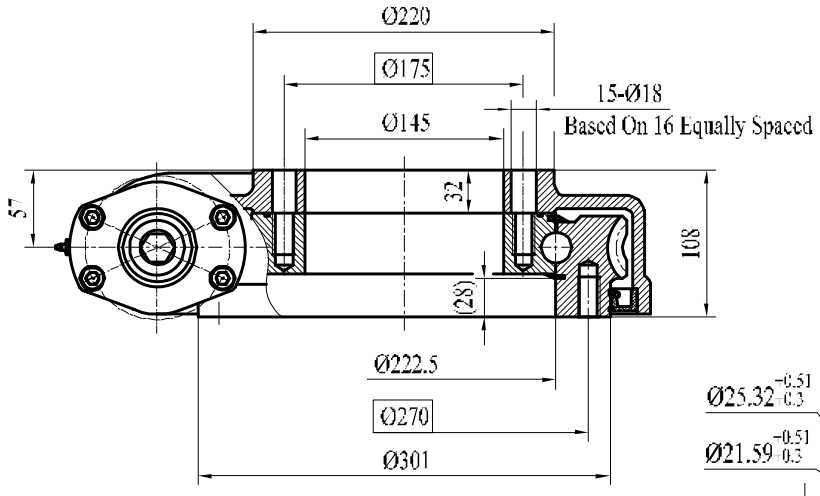
VIEW A OPTION
With HEX



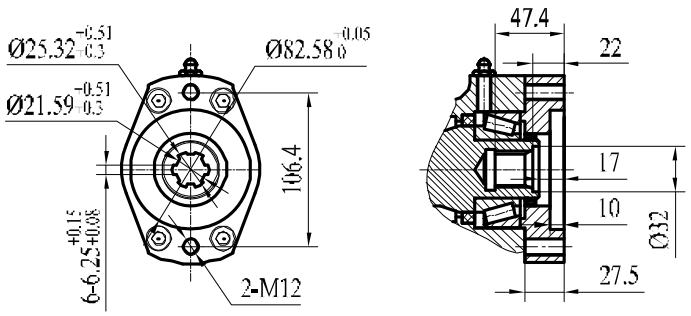
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



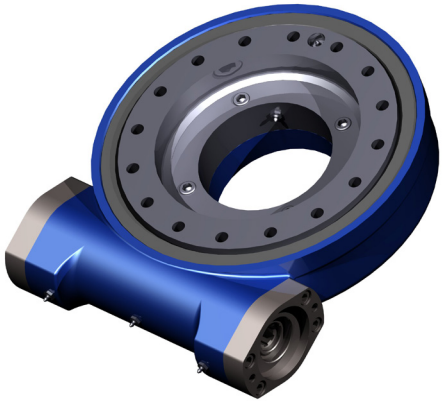
VIEW B OPTION

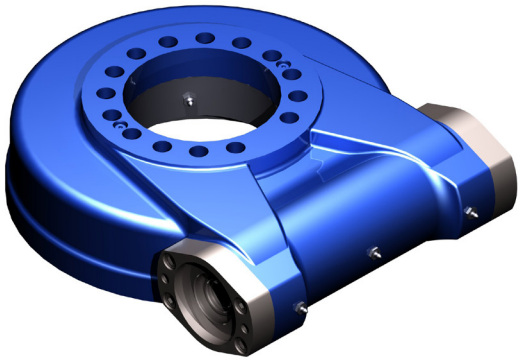


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA9 | Slew Drive

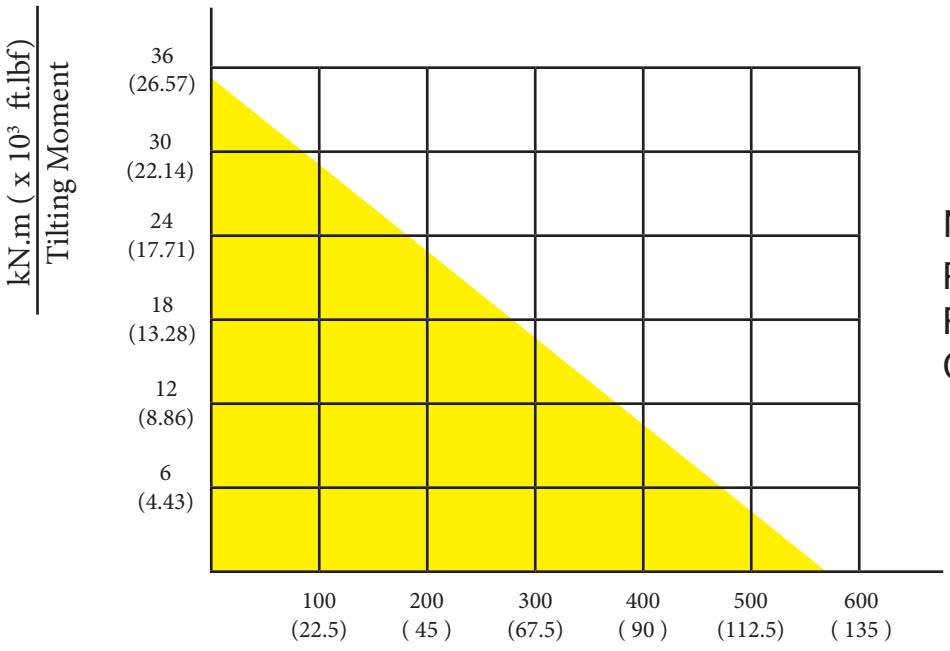




WEA9 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA9	8 kN.m	35.6 kN.m	38.7 kN.m	578 kN	215 kN	136 kN	115 kN	62 : 1	≤ 0.15°	53 kg
	5904 ft.lbf	26.3 x 10^3 ft.lbf	29 x 10^3 ft.lbf	129.9 x 10^3 lbf	48.3 x 10^3 lbf	30.6 x 10^3 lbf	25.9 x 10^3 lbf			

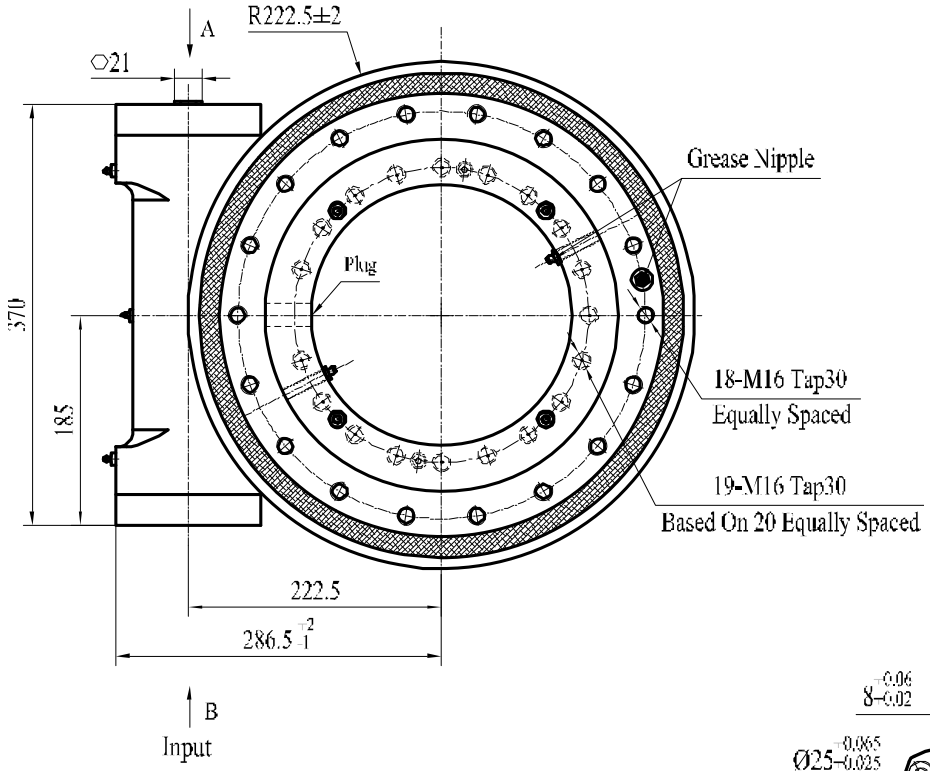
MOMENT LOAD CHART
Axial Load & Tilting Moment



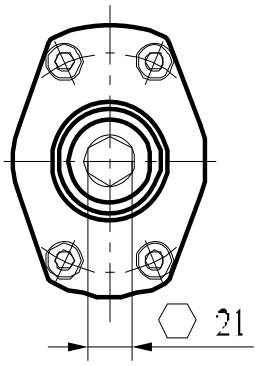
NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

WEA12 | Slew Drive

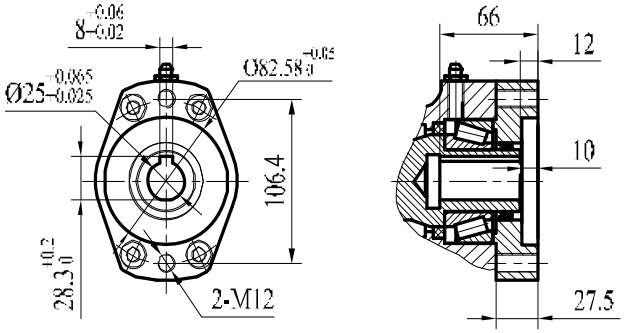
UNITS : mm
1 inch = 25.4 mm



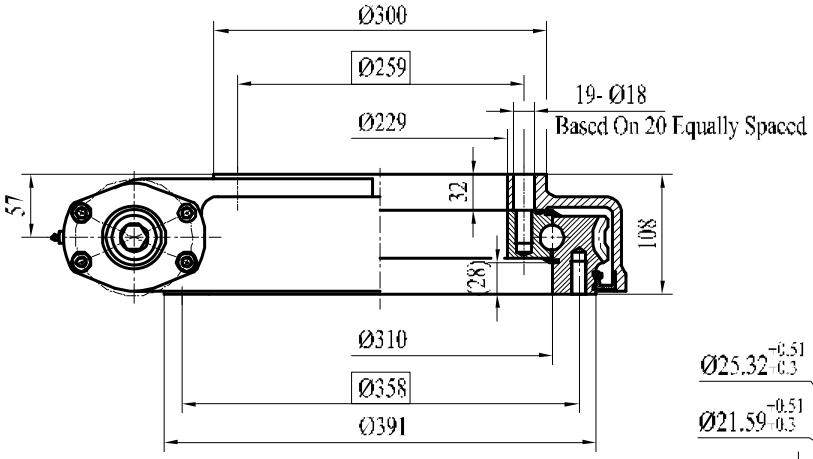
VIEW A OPTION
With HEX



VIEW B OPTION

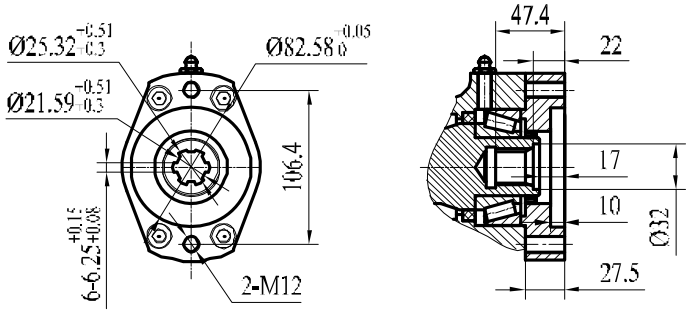


66.8 kg



↑12, ↑14, ↑16, ↑20, ↑25

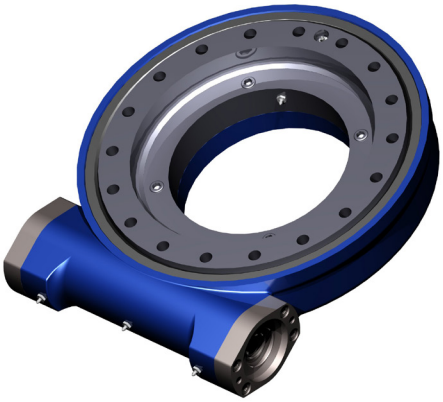
VIEW B OPTION

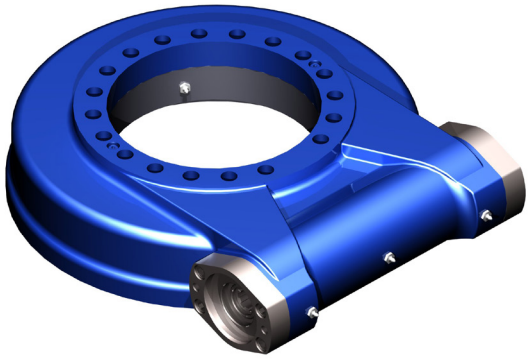


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA12 | Slew Drive

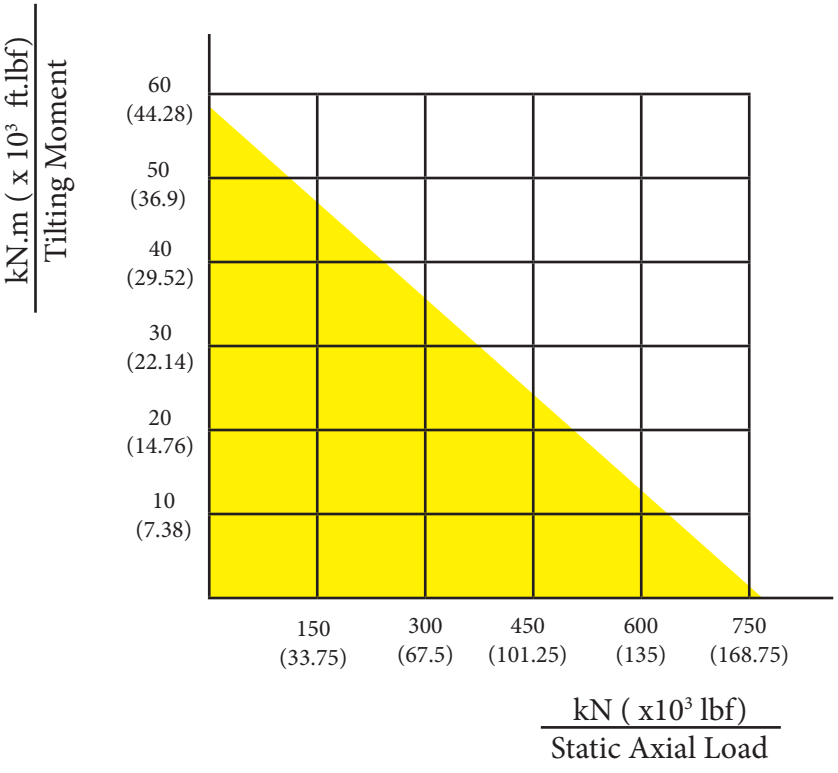




WEA12 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA12	9.5 kN.m	57 kN.m	43 kN.m	760 kN	280 kN	190 kN	148 kN	79 : 1	≤ 0.15°	66.8 kg
	7011 ft.lbf	42.1 x 10^3 ft.lbf	32 x 10^3 ft.lbf	171.1 x 10^3 lbf	62.9 x 10^3 lbf	42.7 x 10^3 lbf	33.3 x 10^3 lbf			

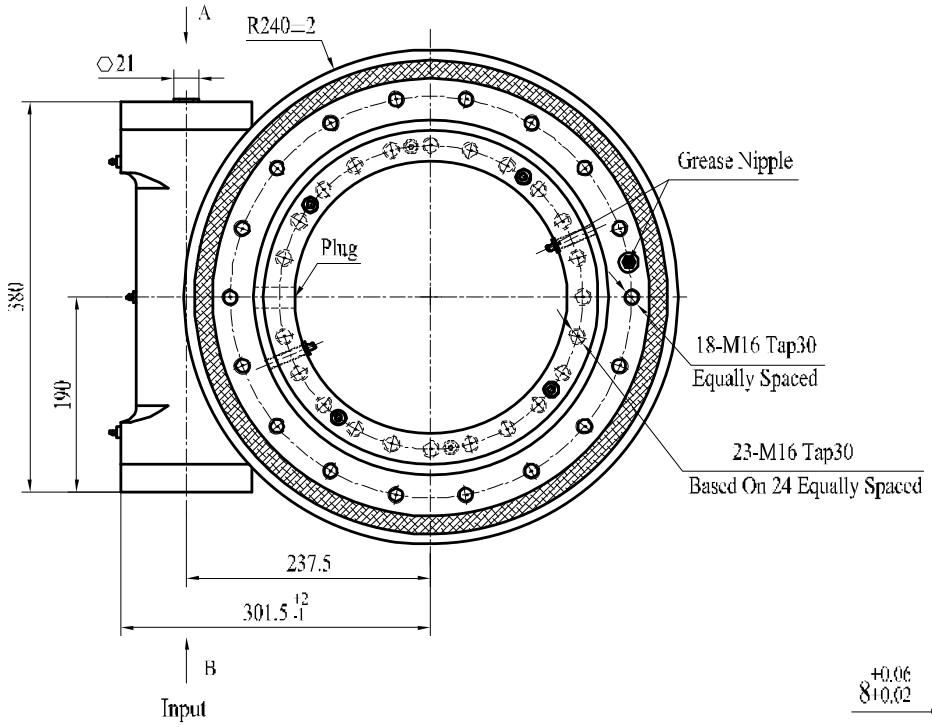
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

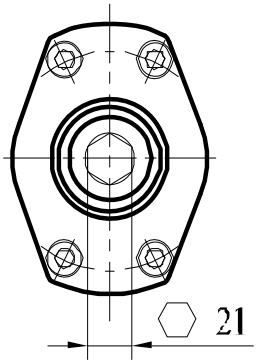
WEA14 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

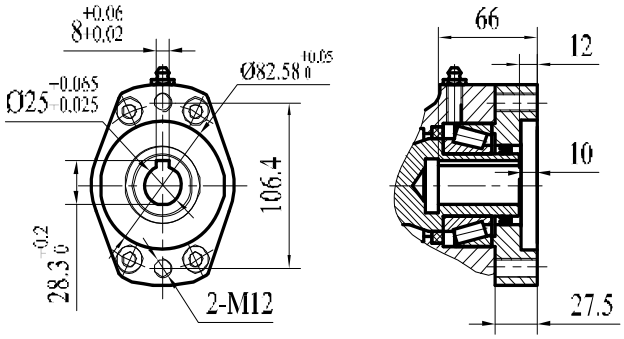


75 kg

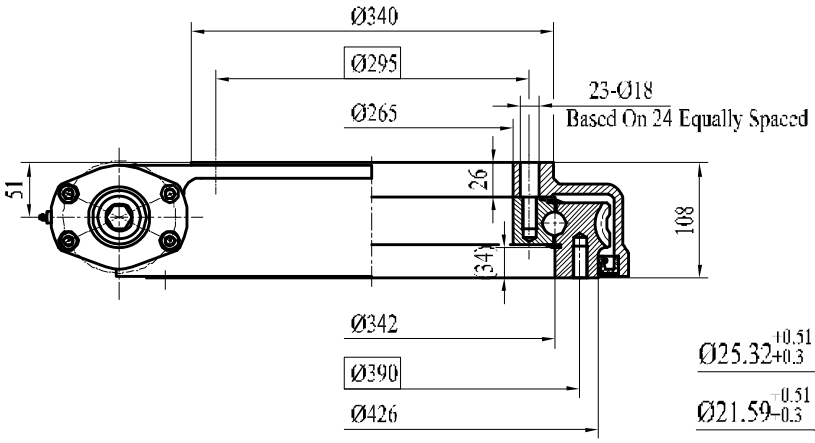
VIEW A OPTION
With HEX



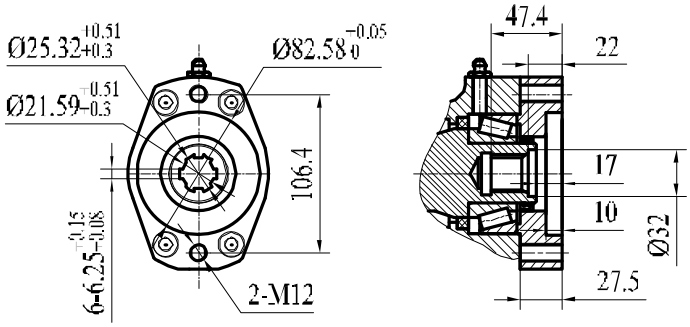
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



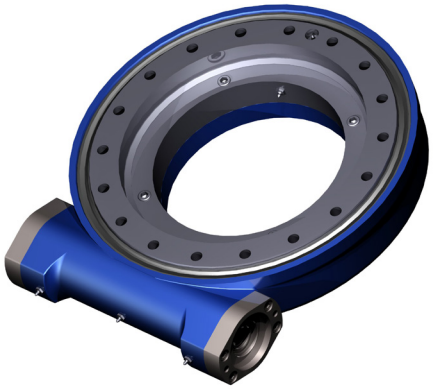
VIEW B OPTION

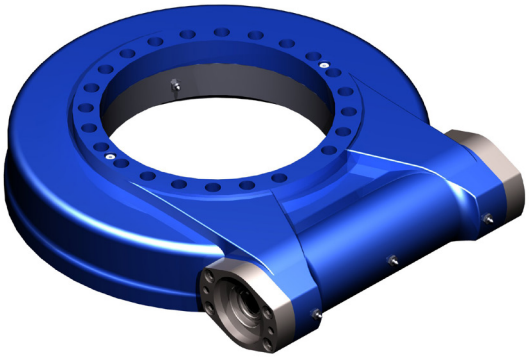


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA14 | Slew Drive

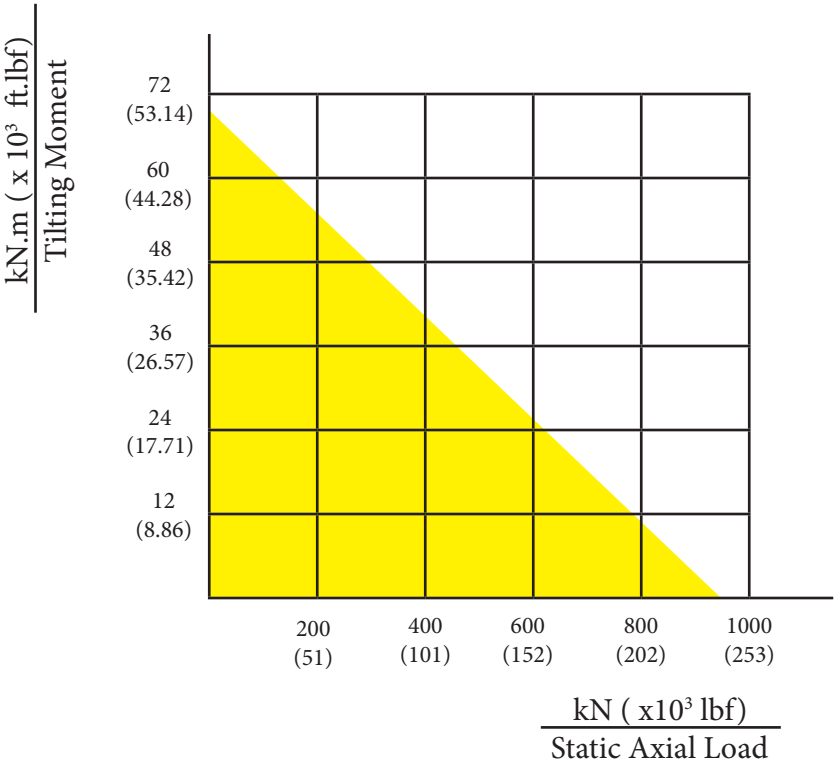




WEA14 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA14	10.8 kN.m	71.2 kN.m	48 kN.m	960 kN	360 kN	230 kN	200 kN	86 : 1	≤ 0.13°	75 kg
	7970 ft.lbf	52.6 x 10^3 ft.lbf	35 x 10^3 ft.lbf	215.8 x 10^3 lbf	80.9 x 10^3 lbf	51.7 x 10^3 lbf	44.9 x 10^3 lbf			

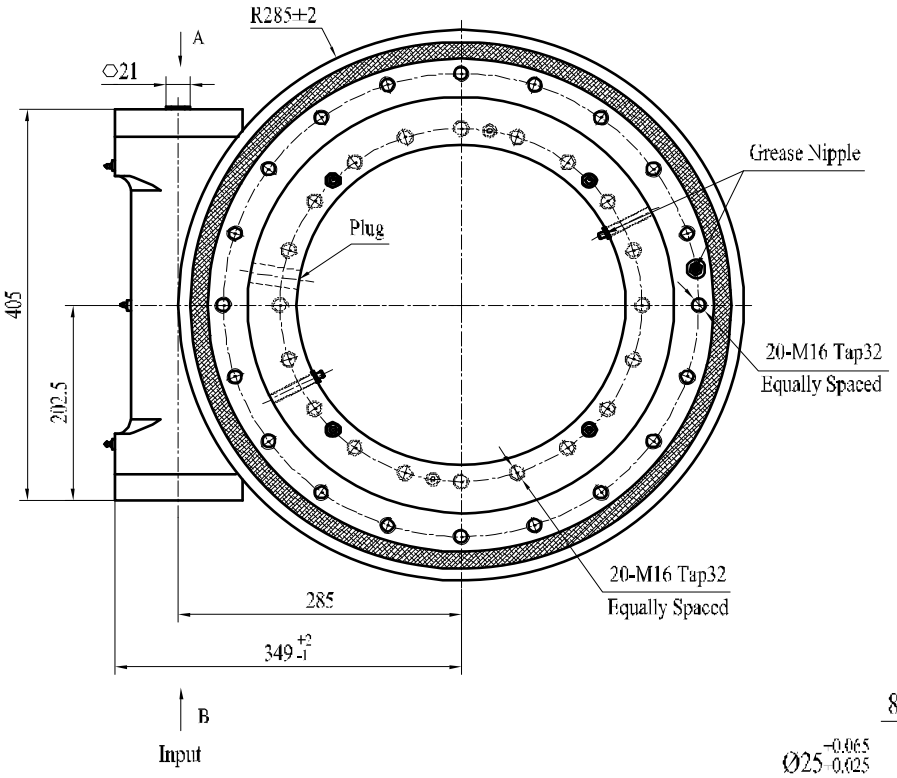
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

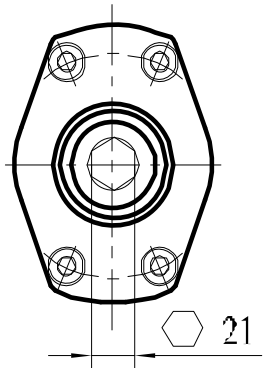
WEA17 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

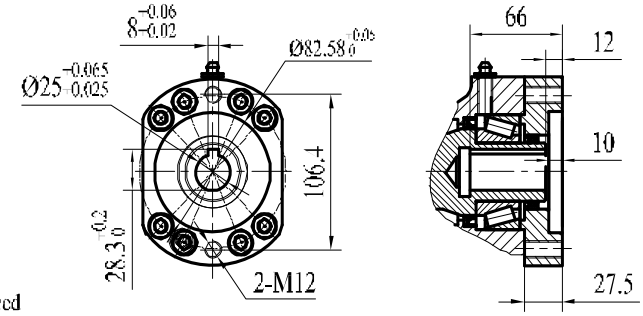


96 kg

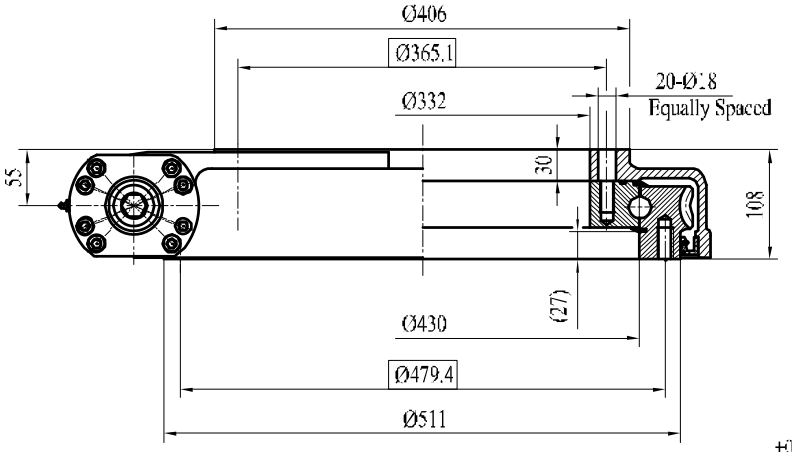
VIEW A OPTION
With HEX



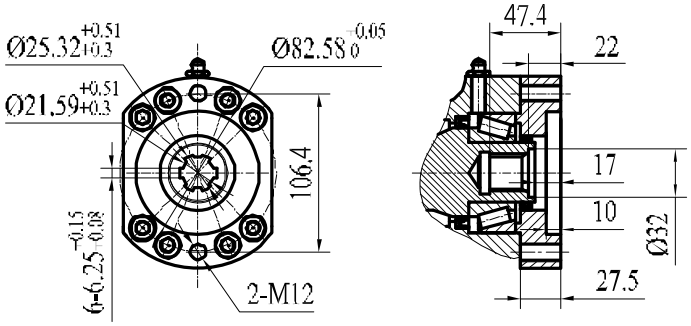
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



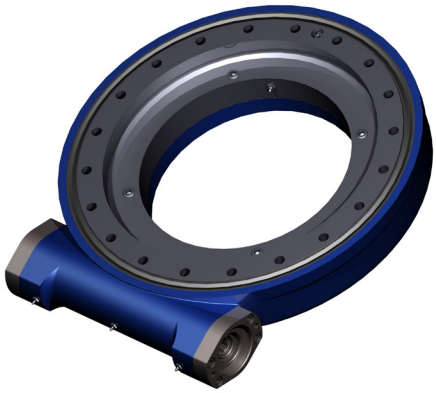
VIEW B OPTION

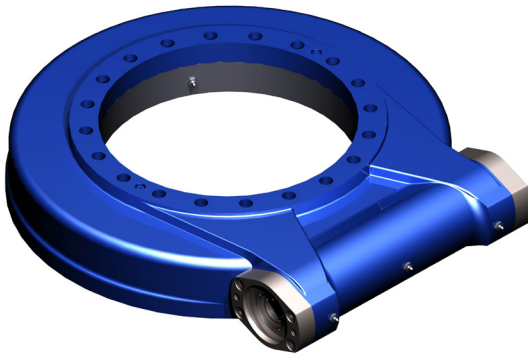


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA17 | Slew Drive

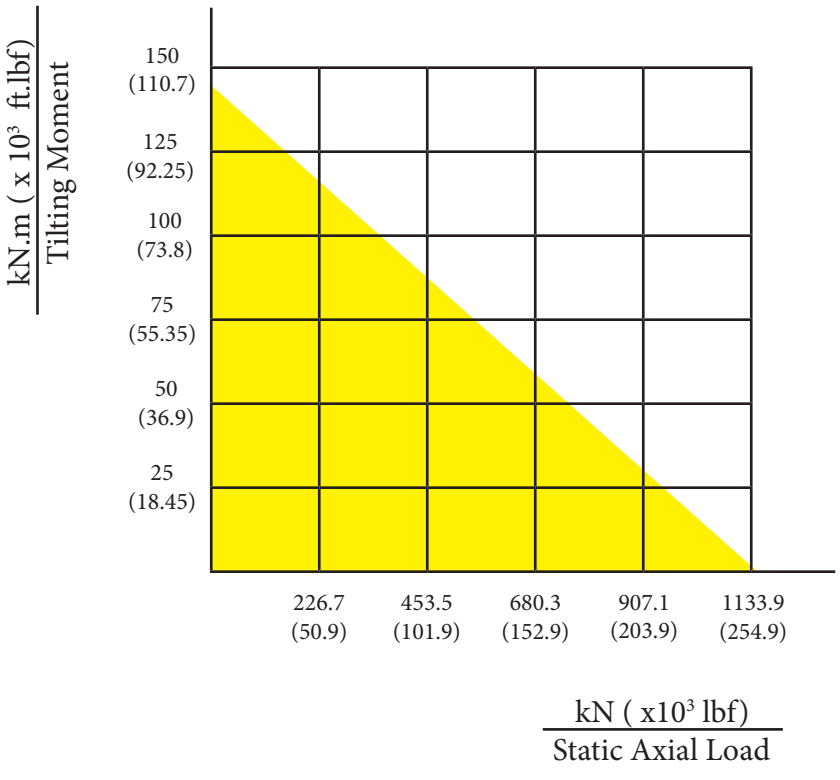




WEA17 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA17	12.96 kN.m	142.4 kN.m	72.3 kN.m	1166 kN	435 kN	280 kN	231 kN	104 : 1	≤ 0.1°	96 kg
	9564 ft.lbf	105 x 10^3 ft.lbf	53.4 x 10^3 ft.lbf	262 x 10^3 lbf	97.8 x 10^3 lbf	62.9 x 10^3 lbf	51.9 x 10^3 lbf			

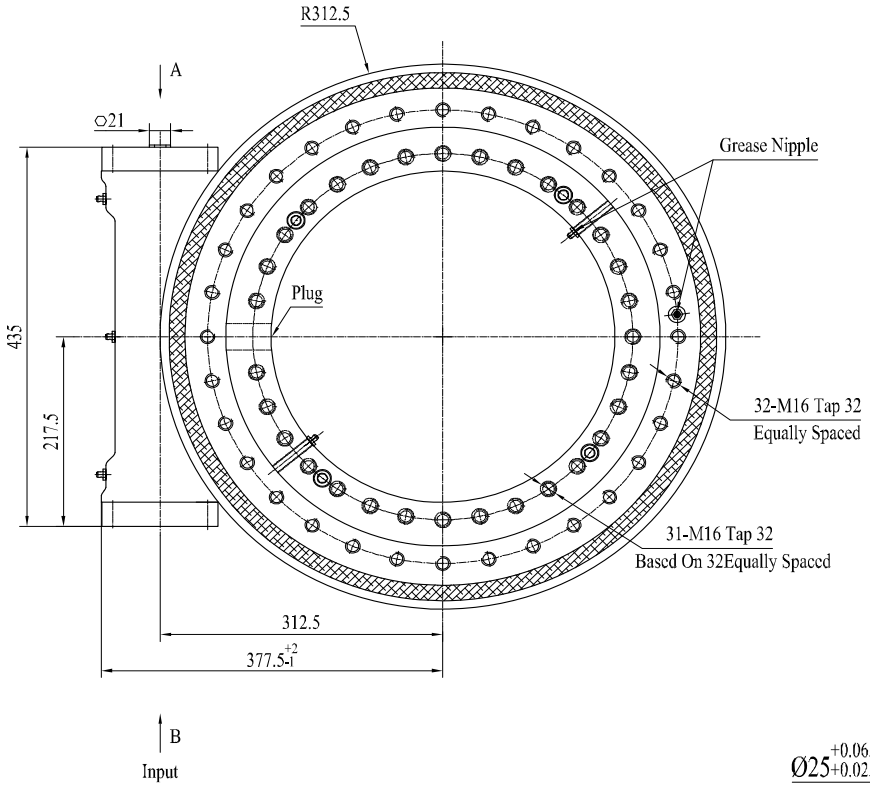
MOMENT LOAD CHART
Axial Load & Tilting Moment



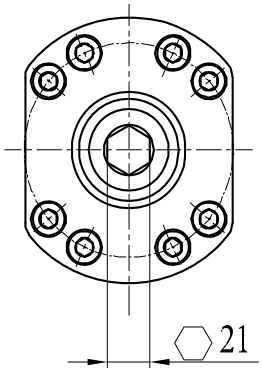
NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

WEA19B | Slew Drive

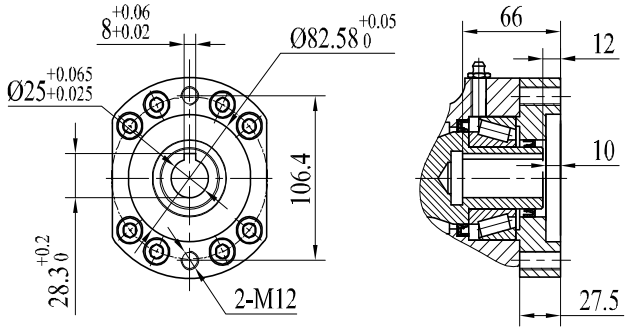
UNITS : mm
1 inch = 25.4 mm



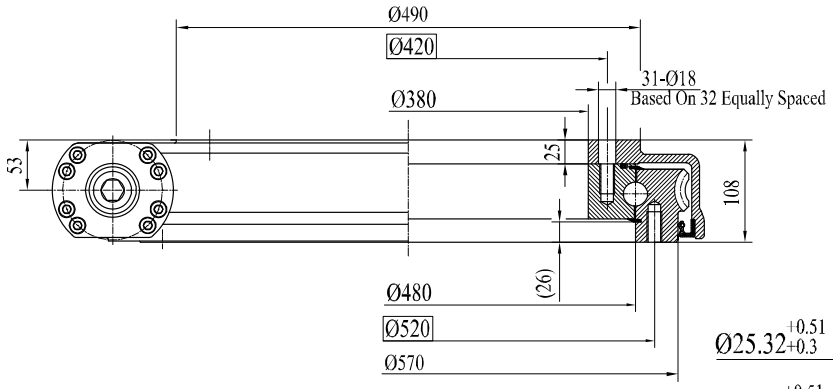
VIEW A OPTION
With HEX



VIEW B OPTION

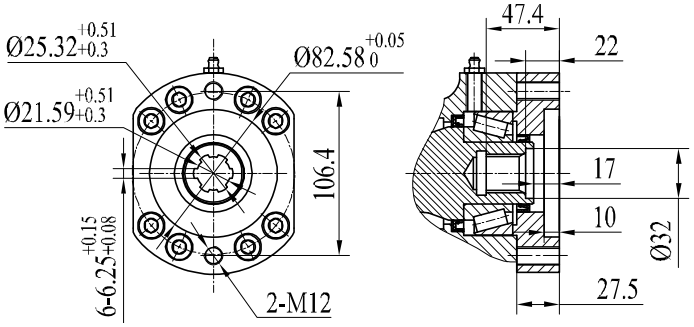


118 kg



↑12, ↑14, ↑16, ↑20, ↑25

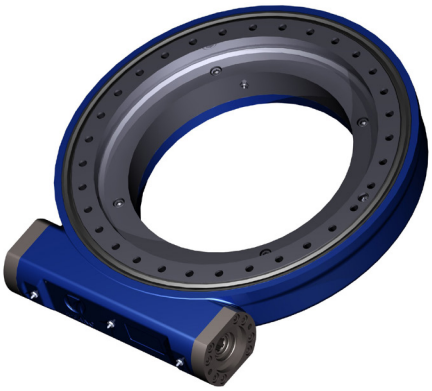
VIEW B OPTION

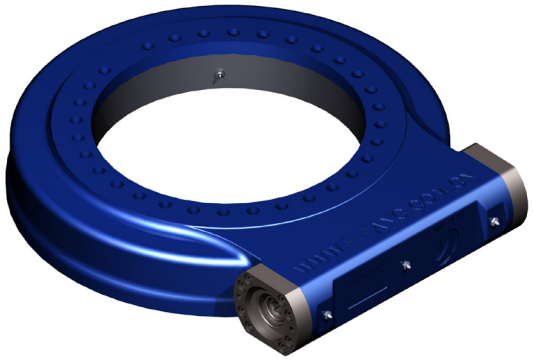


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA19B | Slew Drive

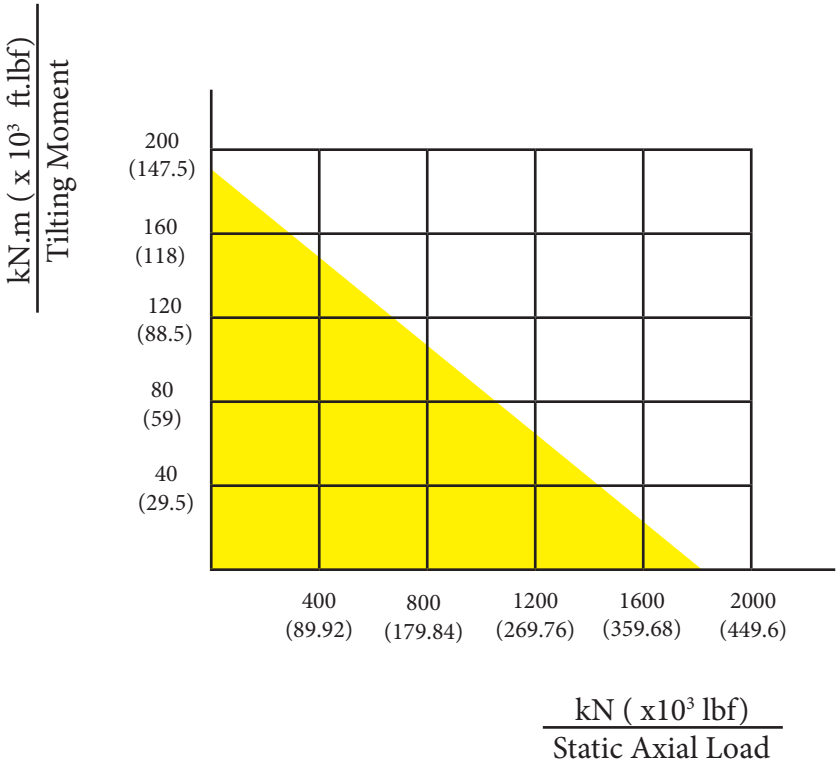




WEA19B | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA19B	18.5 kN.m	196 kN.m	80.1 kN.m	1800 kN	675 kN	290 kN	250 kN	94 : 1	≤ 0.1°	118 kg
	13653 ft.lbf	144.6 x 10^3 ft.lbf	59.1 x 10^3 ft.lbf	404.6 x 10^3 lbf	151.7 x 10^3 lbf	65.2 x 10^3 lbf	56.2 x 10^3 lbf			

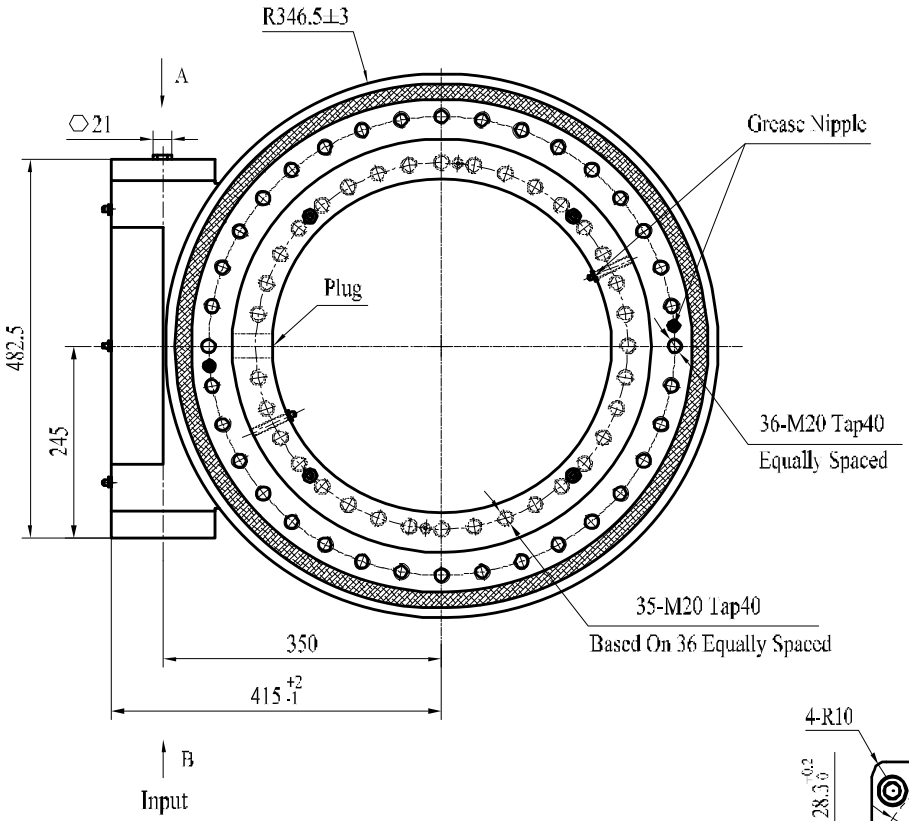
MOMENT LOAD CHART
Axial Load & Tilting Moment



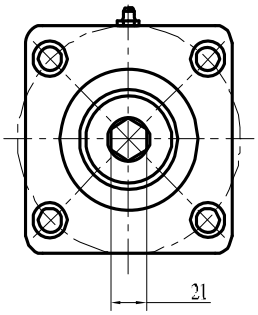
NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

WEA21 | Slew Drive

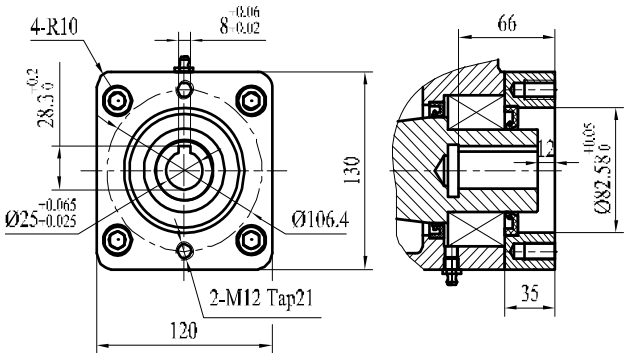
UNITS : mm
1 inch = 25.4 mm



VIEW A OPTION
With HEX

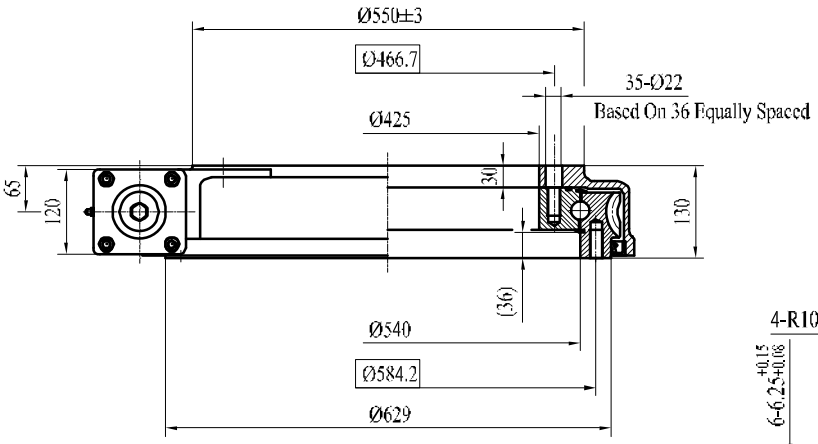


VIEW B OPTION

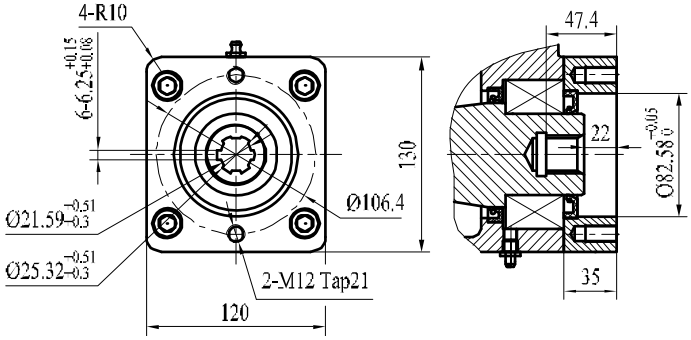


↑12, ↑14, ↑16, ↑20, ↑25

172 kg



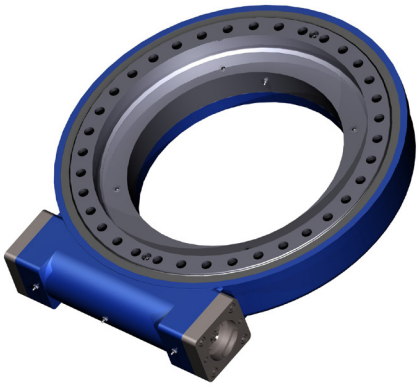
VIEW B OPTION

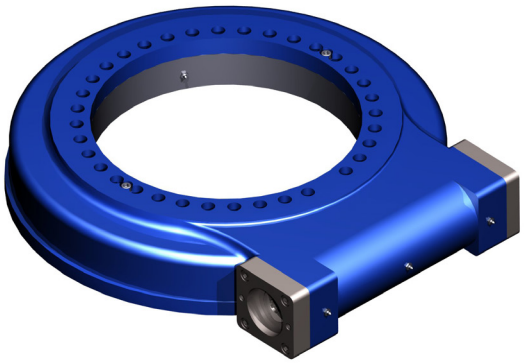


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA21 | Slew Drive

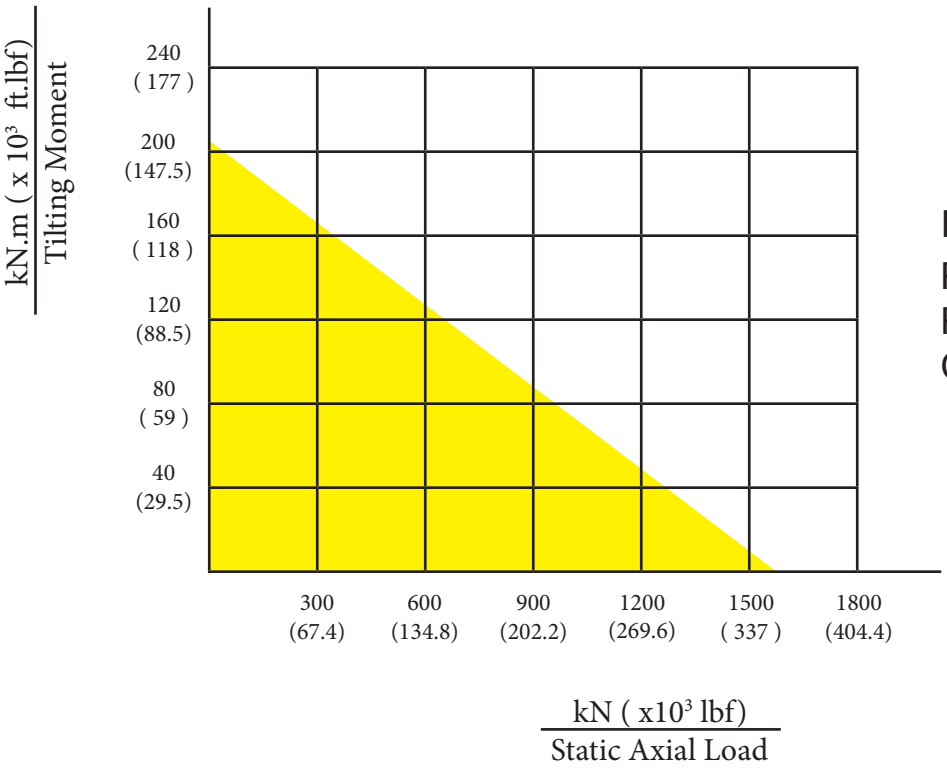




WEA21 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA21	28.7 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	90 : 1	≤ 0.1°	172 kg
	21180 ft.lbf	150 x 10^3 ft.lbf	78.1 x 10^3 ft.lbf	359 x 10^3 lbf	144 x 10^3 lbf	87 x 10^3 lbf	75 x 10^3 lbf			

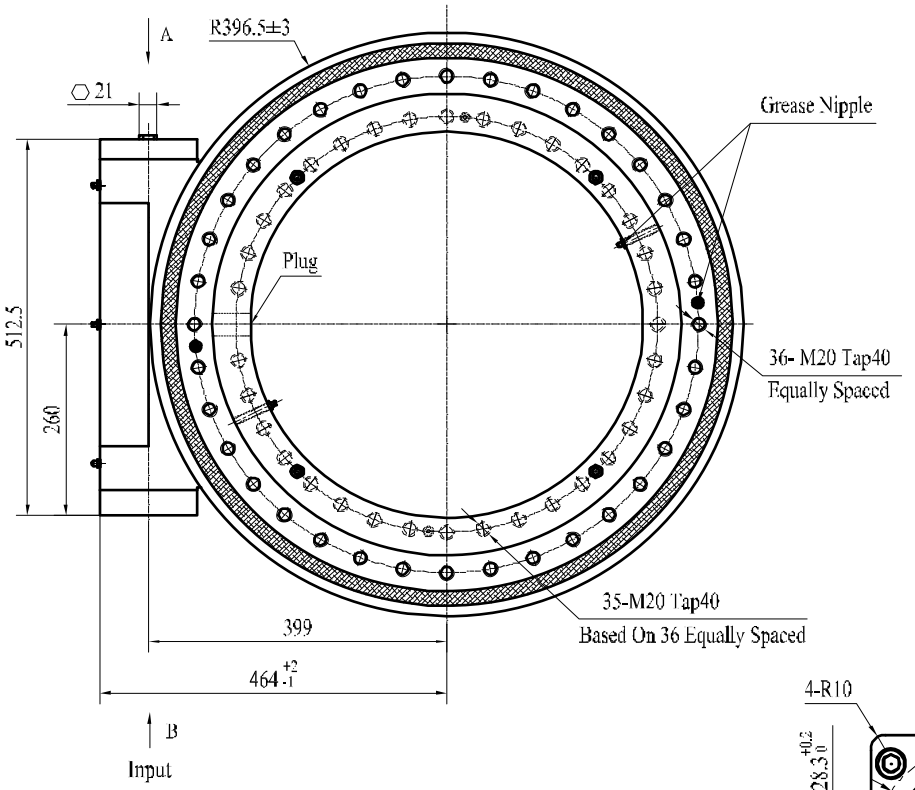
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

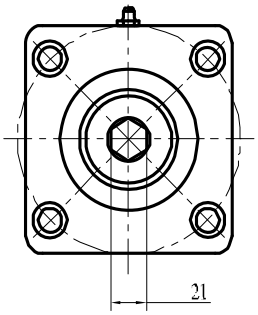
WEA25 | Slew Drive

UNITS : mm
1 inch = 25.4 mm

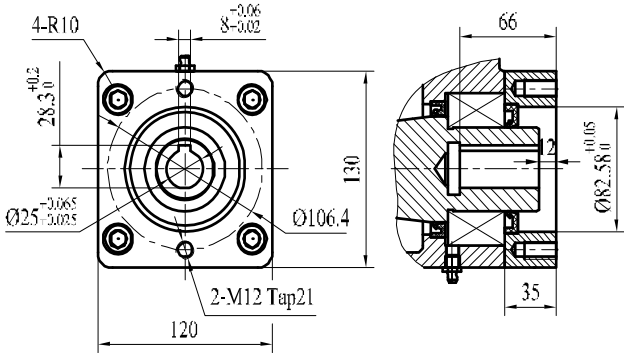


202 kg

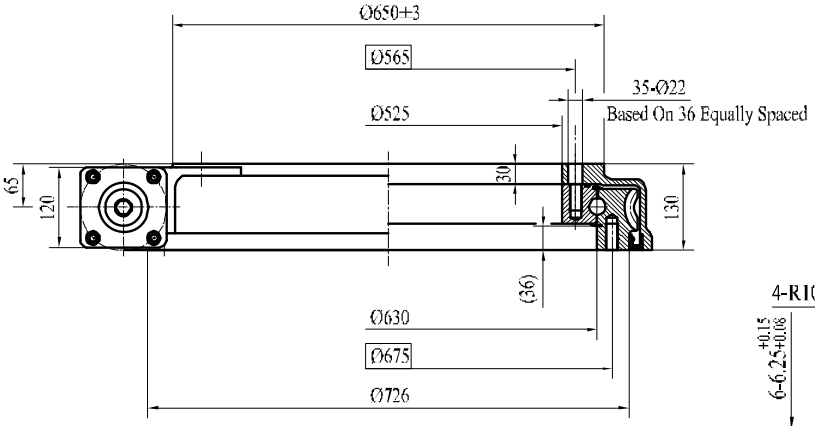
VIEW A OPTION
With HEX



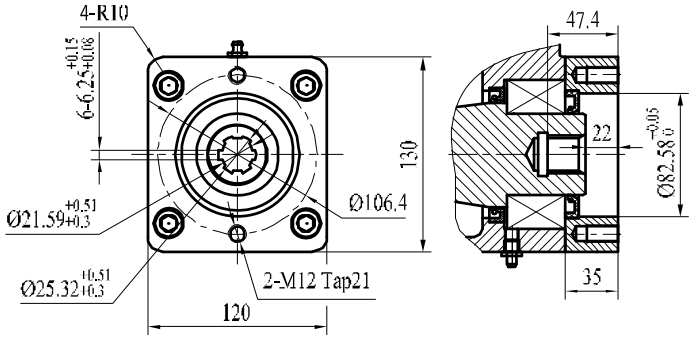
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



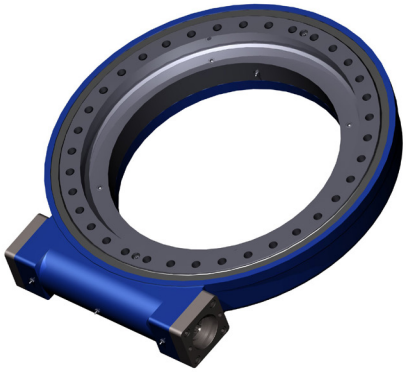
VIEW B OPTION

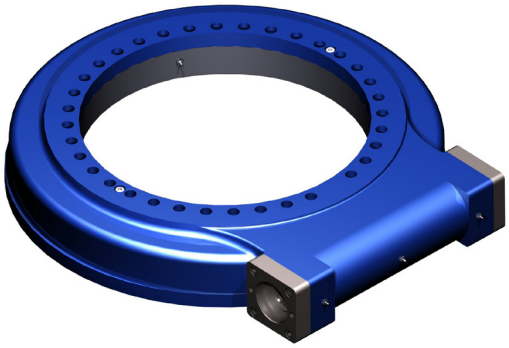


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

WEA25 | Slew Drive

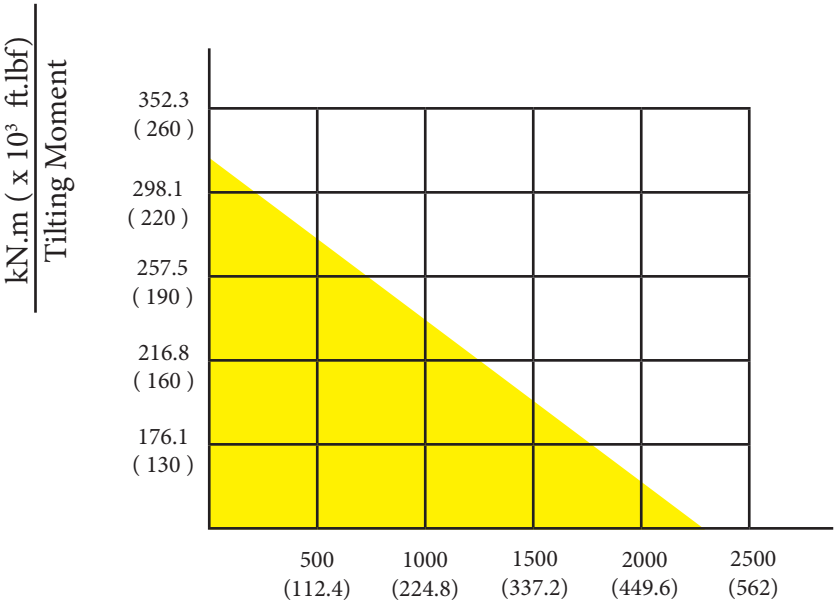




WEA25 | Slew Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
WEA25	34.2 kN.m	310 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	104 : 1	≤ 0.1°	202 kg
	25240 ft.lbf	229 x 10^3 ft.lbf	117 x 10^3 ft.lbf	531 x 10^3 lbf	212 x 10^3 lbf	133 x 10^3 lbf	106 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment

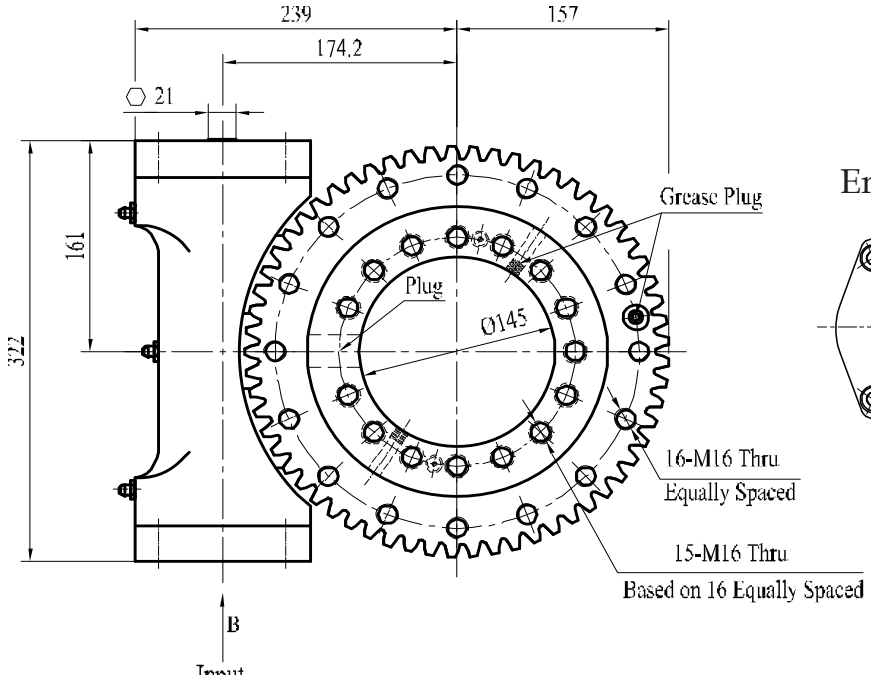


kN (x10^3 lbf)
Static Axial Load

NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

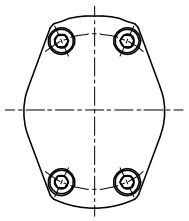
S9 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

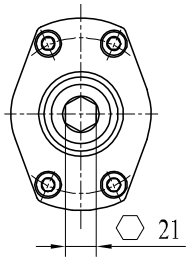


VIEW A OPTION

End Cap

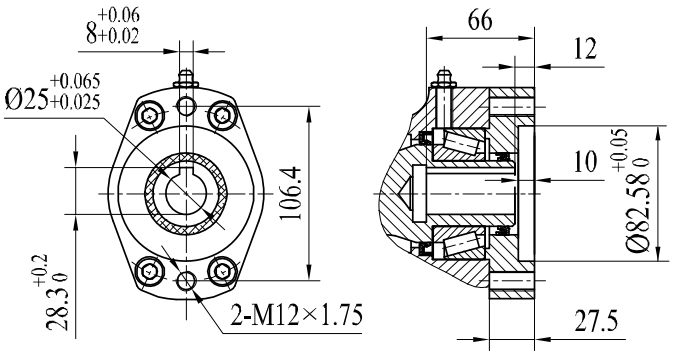


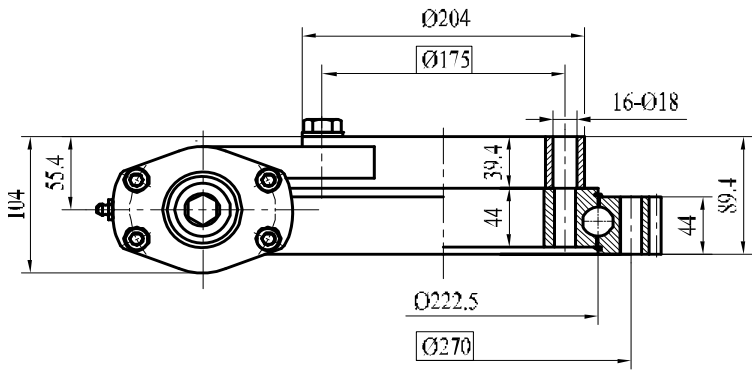
With Hex



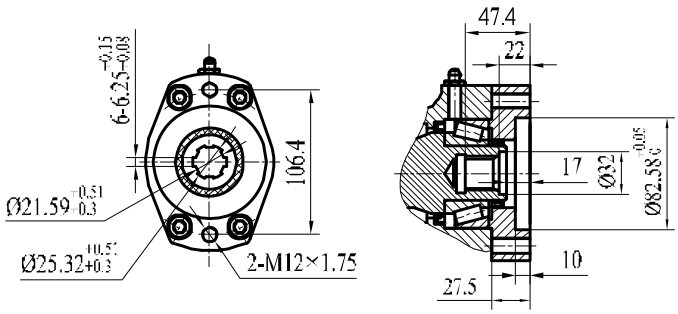
37 kg

VIEW B OPTION





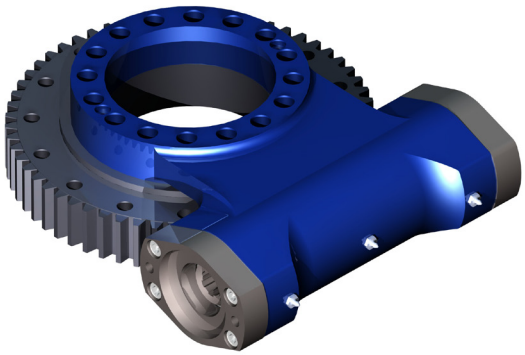
↑12, ↑14, ↑16, ↑20, ↑25



SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

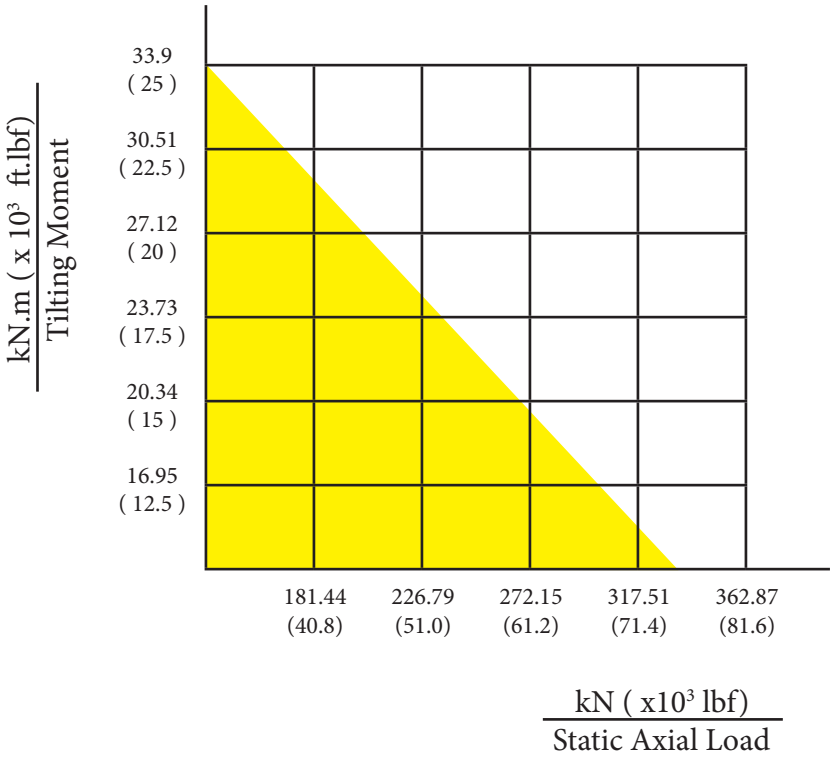
S9 | Slewing Drive



S9 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
S9	6.5 kN.m	33.9 kN.m	38.7 kN.m	338 kN	135 kN	81 kN	71 kN	61 : 1	≤ 0.17°	37 kg
	4794 ft.lbf	25 x 10^3 ft.lbf	29 x 10^3 ft.lbf	76 x 10^3 lbf	30 x 10^3 lbf	18 x 10^3 lbf	16 x 10^3 lbf			

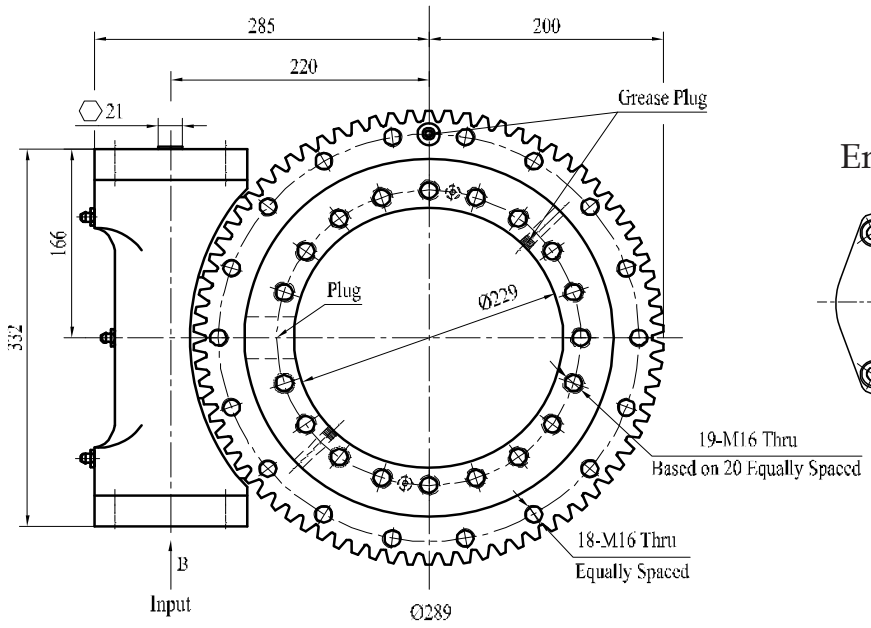
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

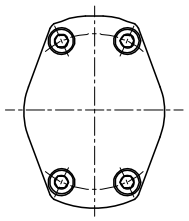
S12 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

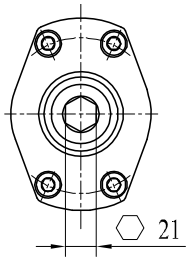


VIEW A OPTION

End Cap

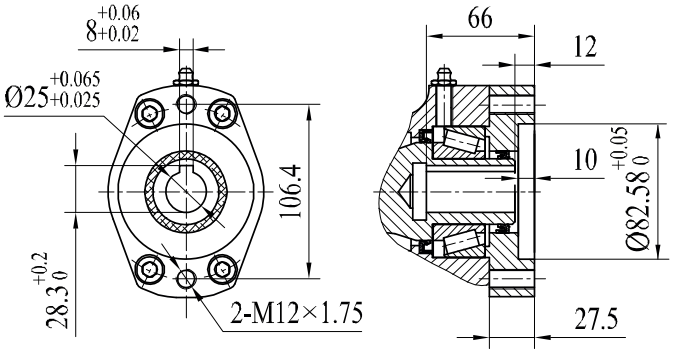


With Hex

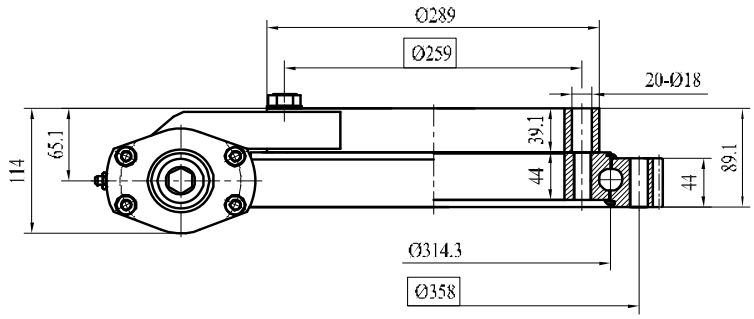


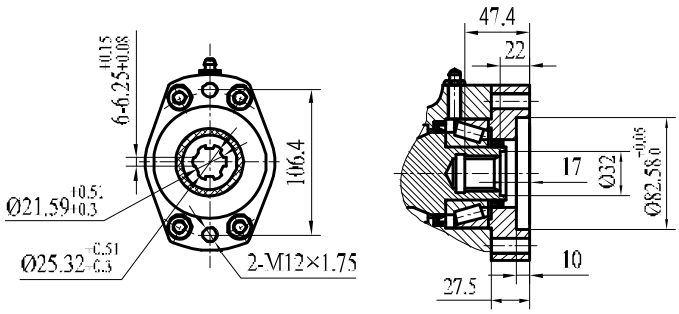
41 kg

VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25

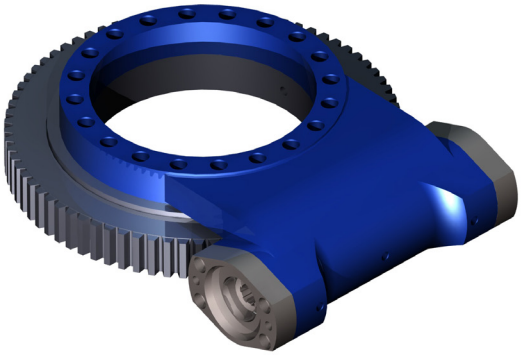




SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

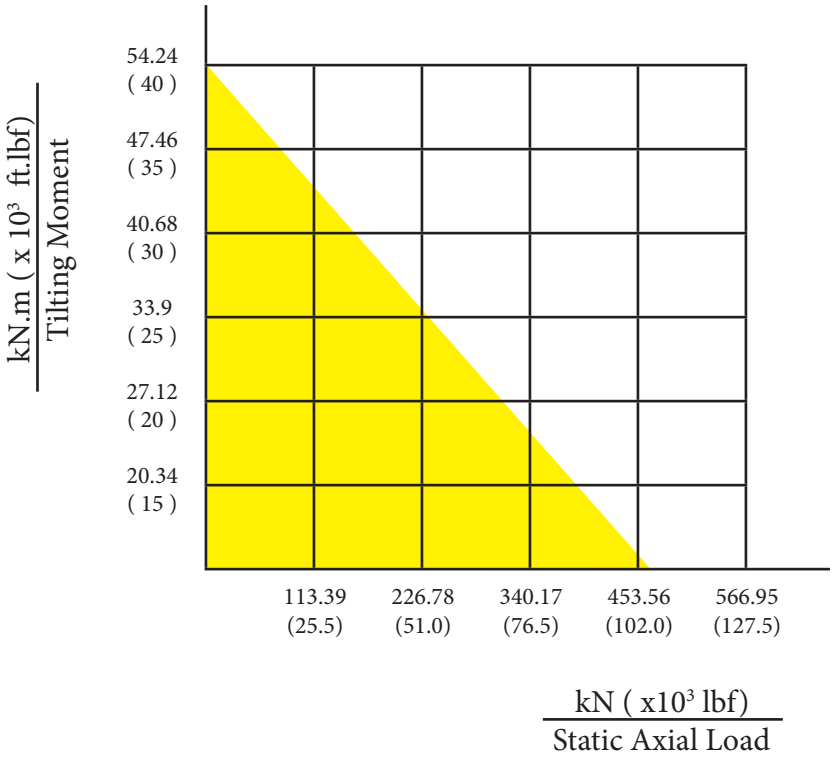
S12 | Slewing Drive



S12 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
S12	7.5 kN.m	54.3 kN.m	43 kN.m	475 kN	190 kN	114 kN	100 kN	78 : 1	≤ 0.17°	41 kg
	5532 ft.lbf	40 x 10^3 ft.lbf	32 x 10^3 ft.lbf	107 x 10^3 lbf	43 x 10^3 lbf	26 x 10^3 lbf	23 x 10^3 lbf			

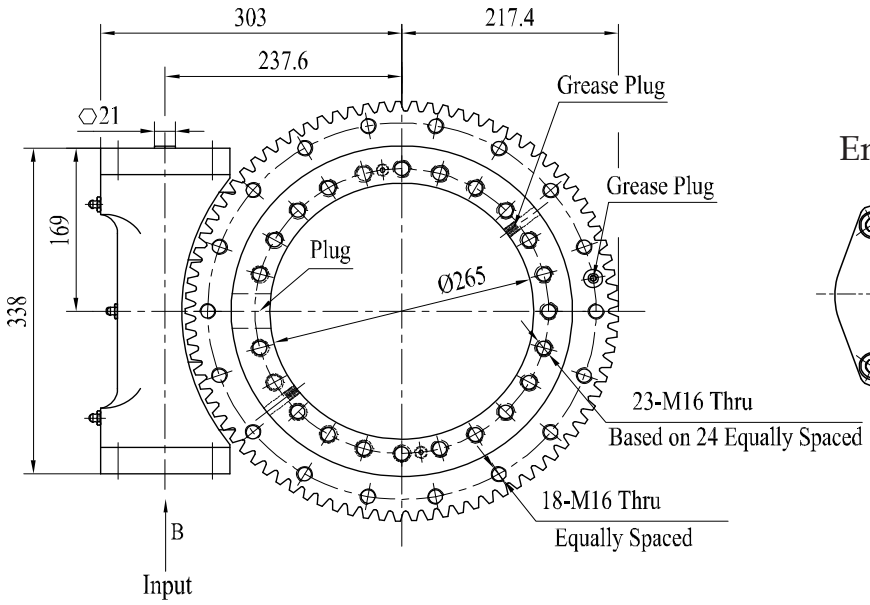
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

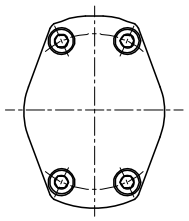
S14 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

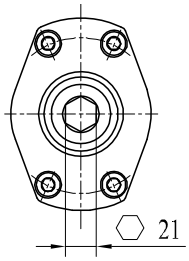


VIEW A OPTION

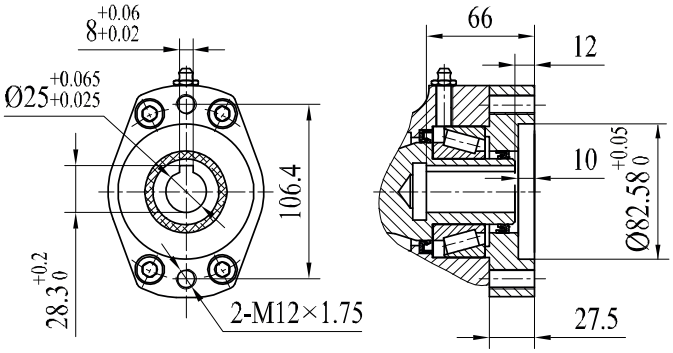
End Cap



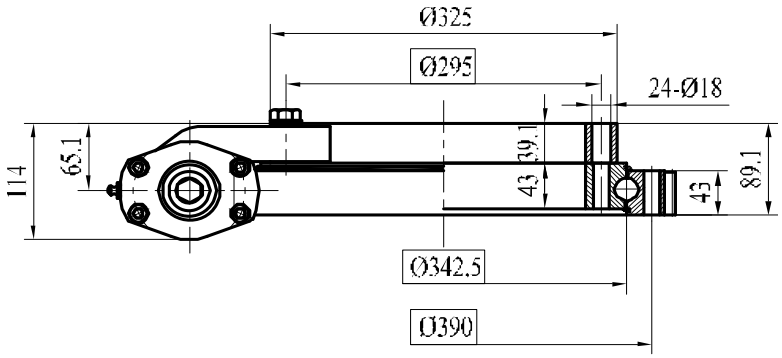
With Hex



VIEW B OPTION

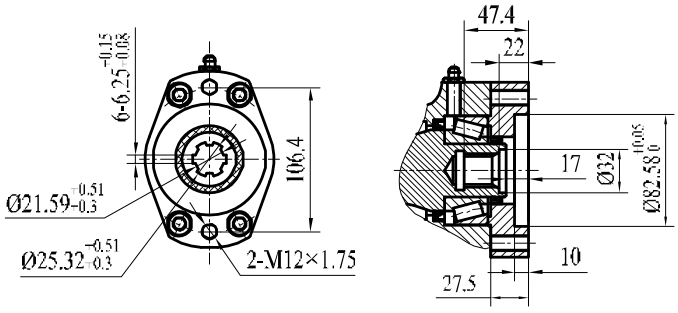


47 kg



↑12, ↑14, ↑16, ↑20, ↑25

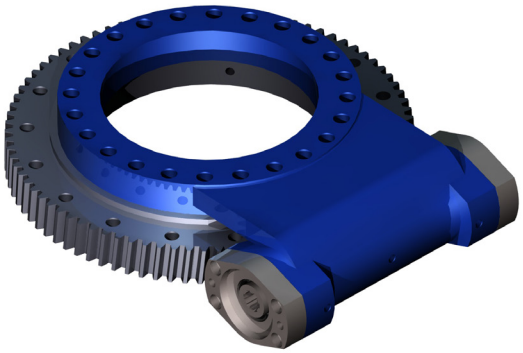
VIEW B OPTION



SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

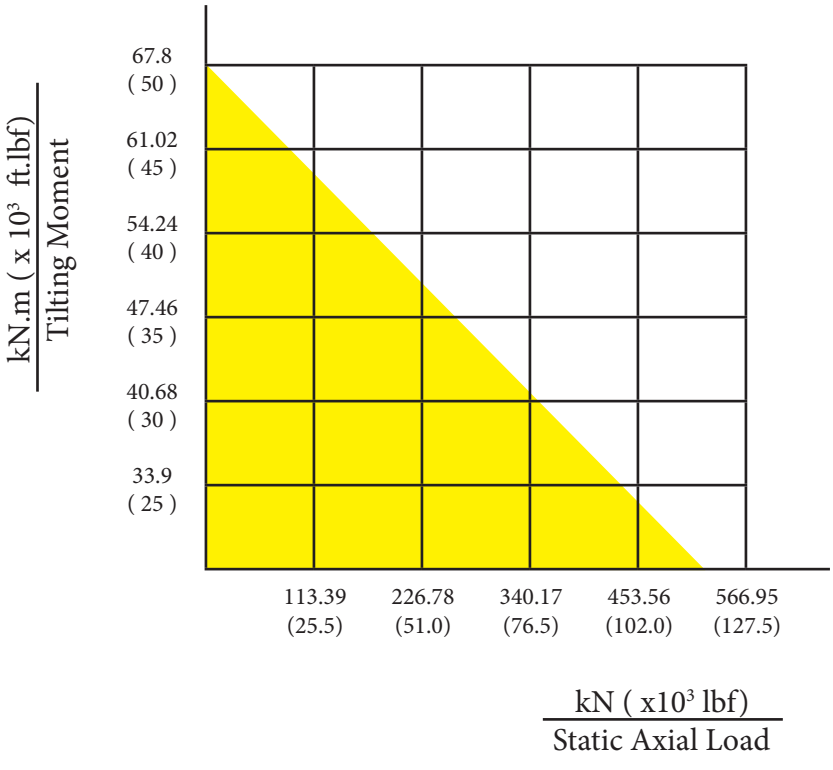
S14 | Slewing Drive



S14 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
S14	8 kN.m	67.8 kN.m	48 kN.m	555 kN	222 kN	133 kN	117 kN	85 : 1	≤ 0.17°	47 kg
	5900 ft.lbf	50 x 10^3 ft.lbf	35 x 10^3 ft.lbf	125 x 10^3 lbf	50 x 10^3 lbf	30 x 10^3 lbf	26 x 10^3 lbf			

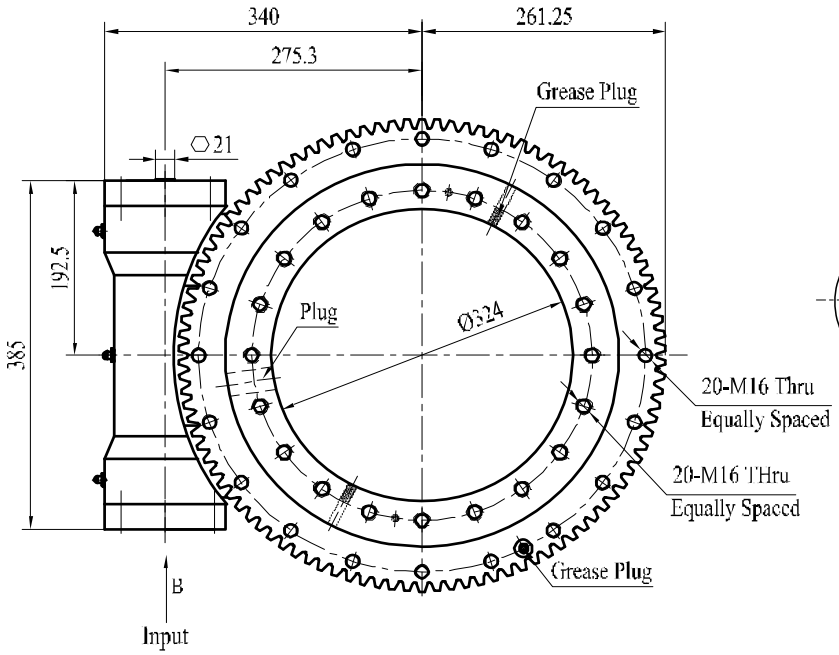
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

S17 | Slewing Drive

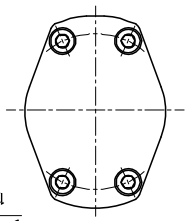
UNITS : mm
1 inch = 25.4 mm



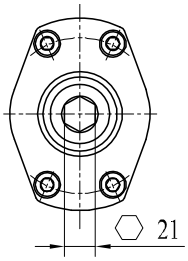
87 kg

VIEW A OPTION

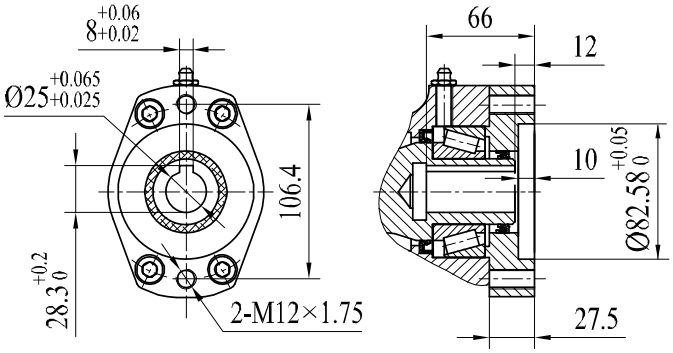
End Cap



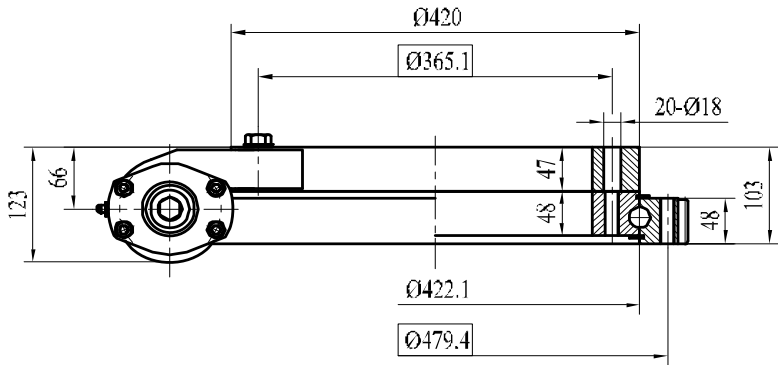
With Hex



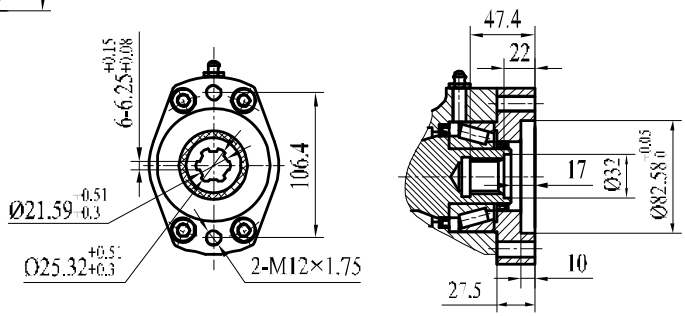
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



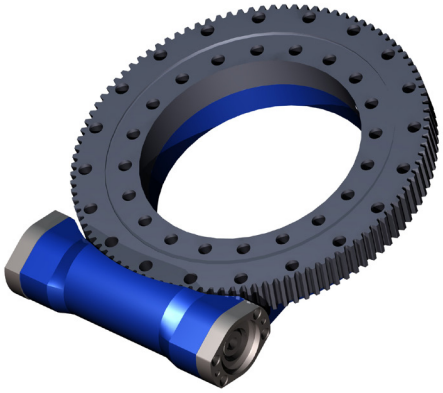
VIEW B OPTION

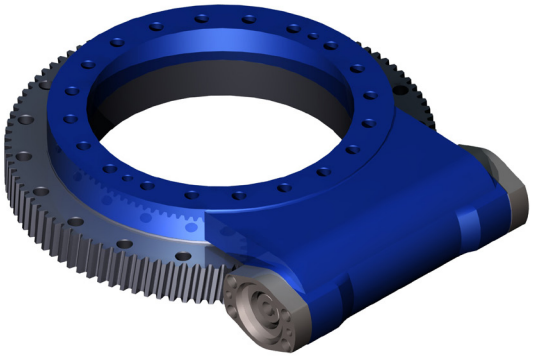


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

S17 | Slewing Drive

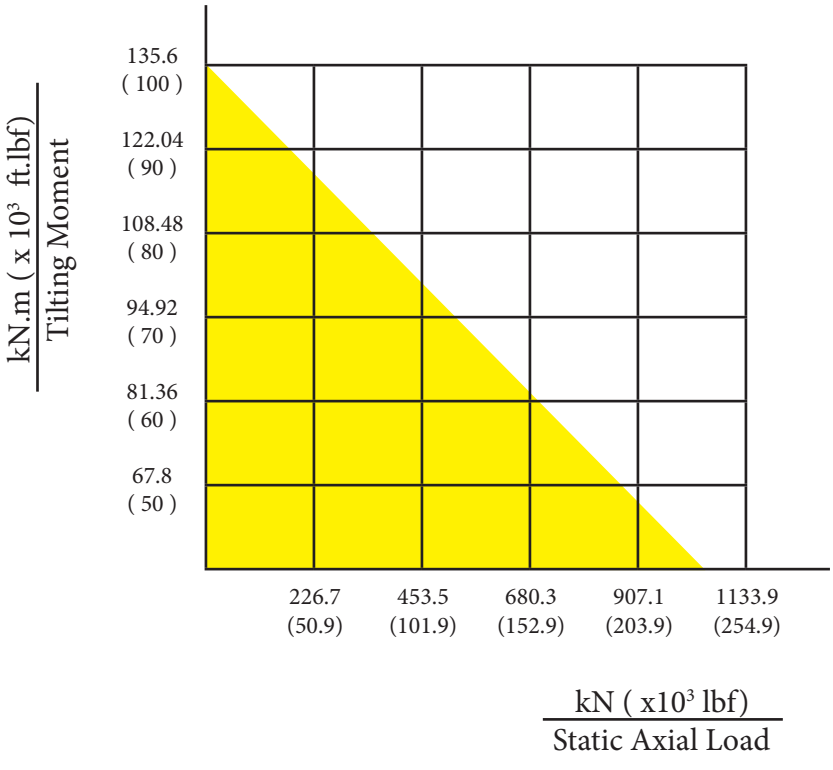




S17 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
S17	10 kN.m	135.6 kN.m	72.3 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	≤ 0.15°	87 kg
	7400 ft.lbf	100 x 10^3 ft.lbf	53 x 10^3 ft.lbf	218 x 10^3 lbf	88 x 10^3 lbf	53 x 10^3 lbf	46 x 10^3 lbf			

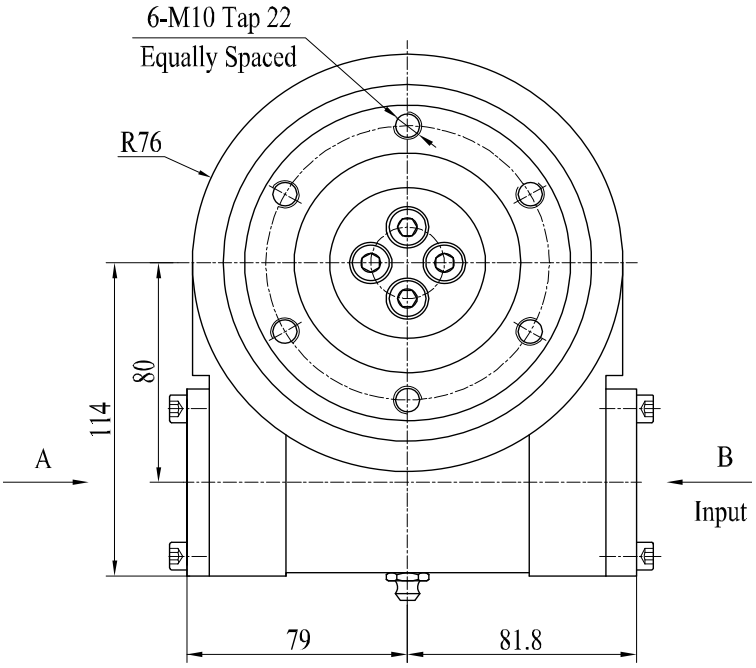
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

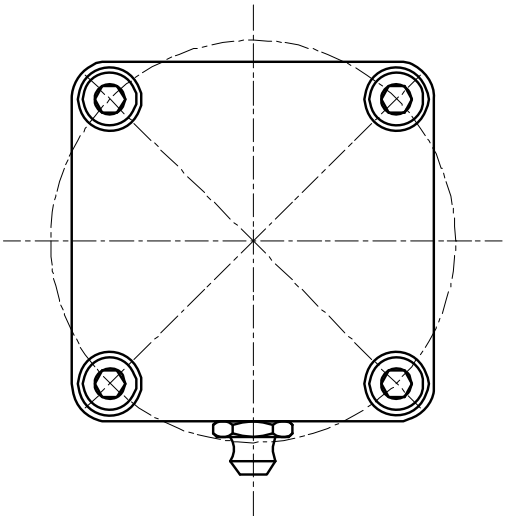
SE3C/PE3C | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

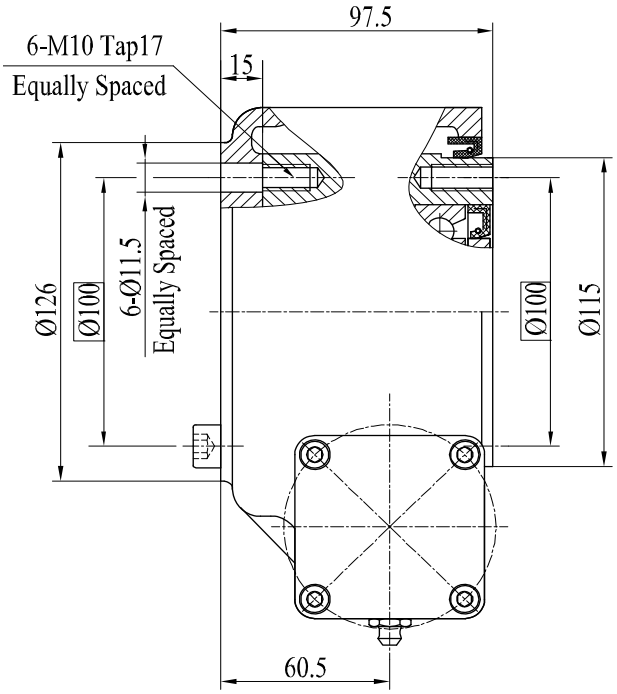


VIEW A OPTION

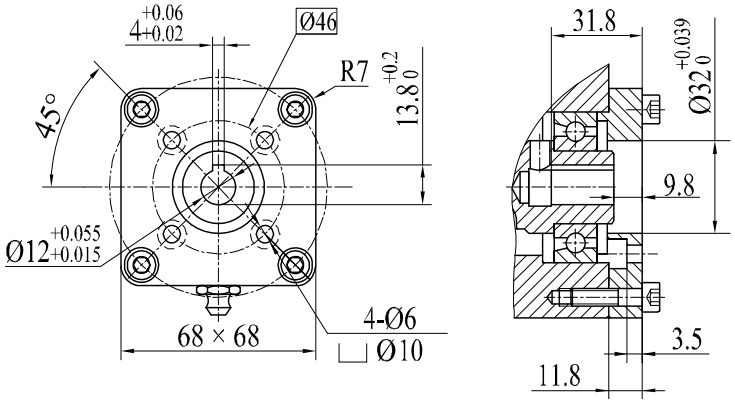
END CAP



12 kg



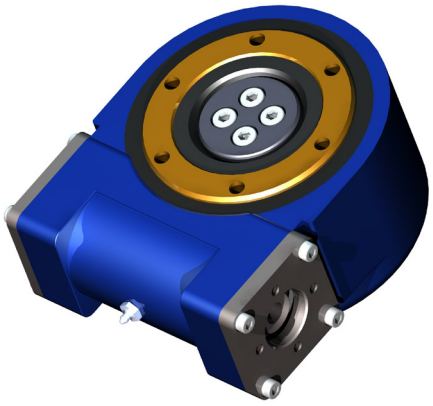
VIEW B OPTION

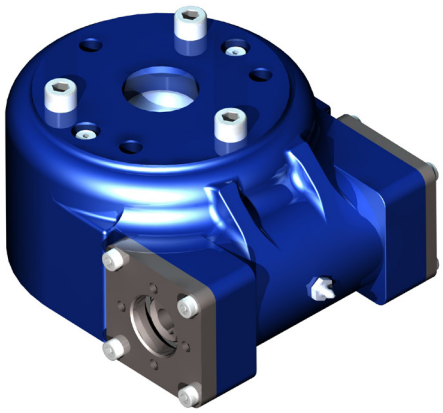


↑12, ↑14, ↑16

Cone Drive reserves the right to improve or change product design and specifications without notice.

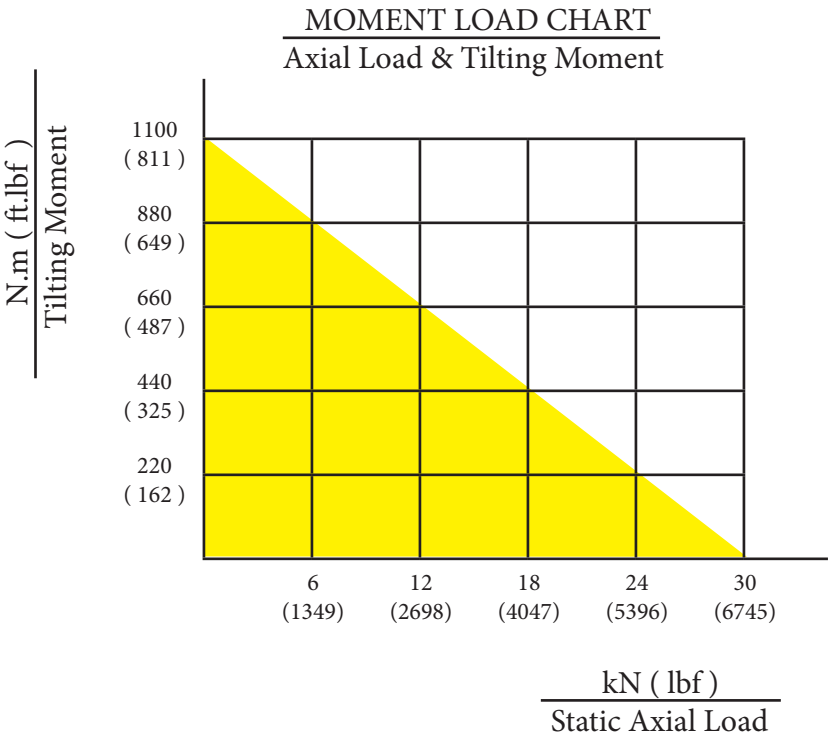
SE3C/PE3C | Slewing Drive





SE3C/PE3C | Slewing Drive Performance Parameters

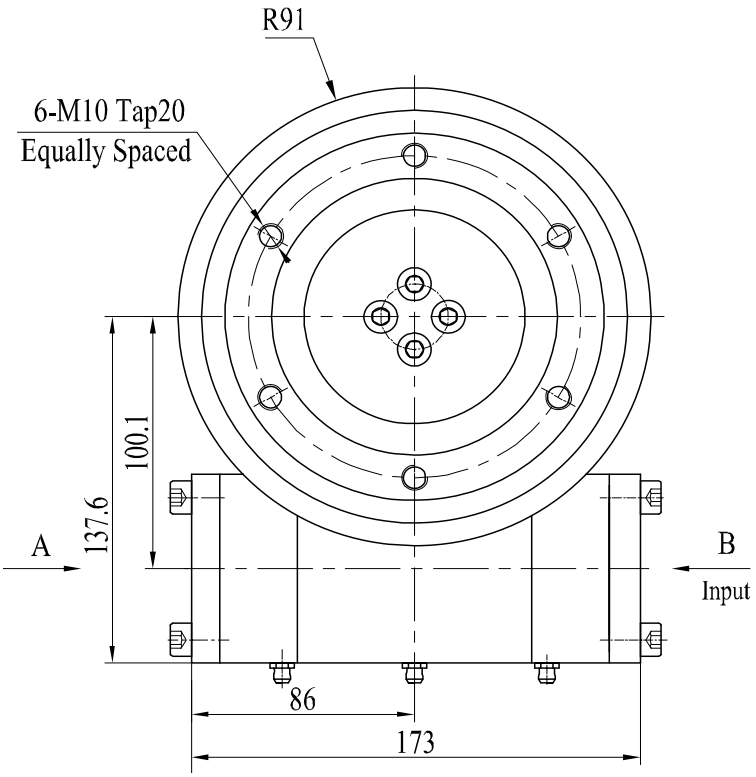
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE3C	400 N.m	1100 N.m	2000 N.m	30 kN	16.6 kN	9.6 kN	8.4 kN	62 : 1	≤ 0.2°	12 kg
	295 ft.lbf	811 ft.lbf	1475 ft.lbf	6744 lbf	3732 lbf	2158 lbf	1888 lbf			
PE3C	400 N.m	1100 N.m	2000 N.m	30 kN	16.6 kN	9.6 kN	8.4 kN	62 : 1	II : ≤ 0.12° III : ≤ 0.15°	12 kg
	295 ft.lbf	811 ft.lbf	1475 ft.lbf	6744 lbf	3732 lbf	2158 lbf	1888 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

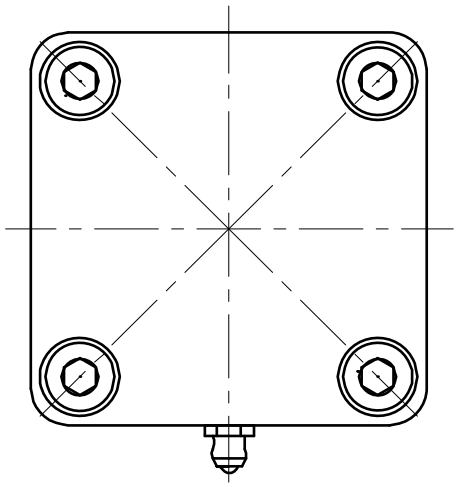
SE5A/PE5A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

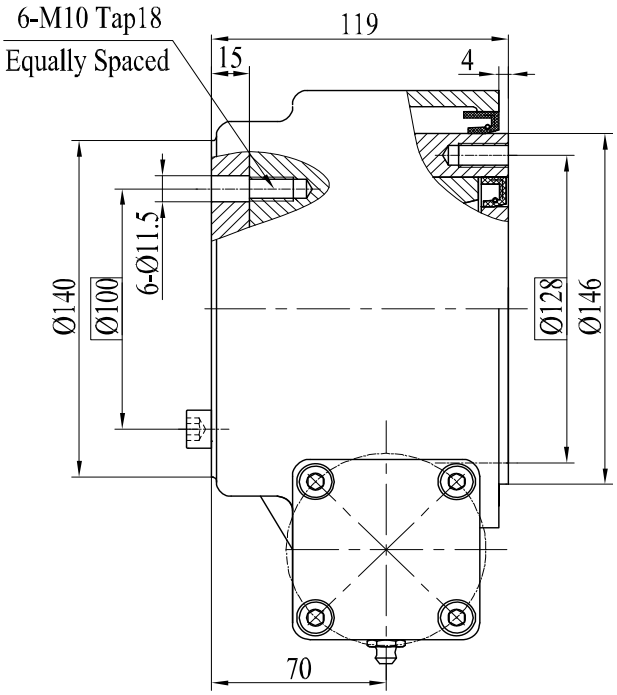


VIEW A OPTION

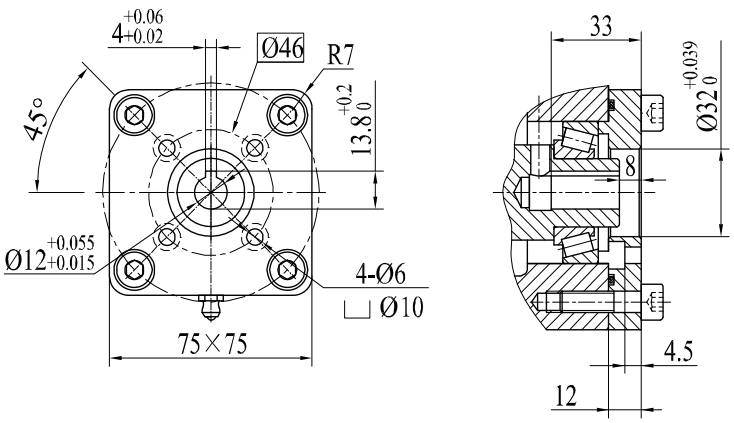
END CAP



20 kg



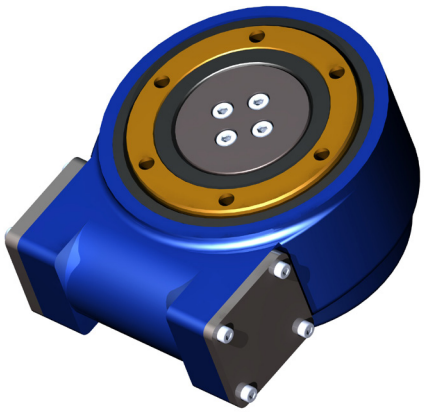
VIEW B OPTION

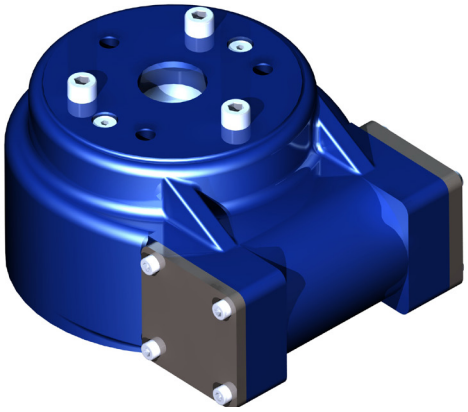


↑12, ↑14, ↑16

Cone Drive reserves the right to improve or change product design and specifications without notice.

SE5A/PE5A | Slewing Drive

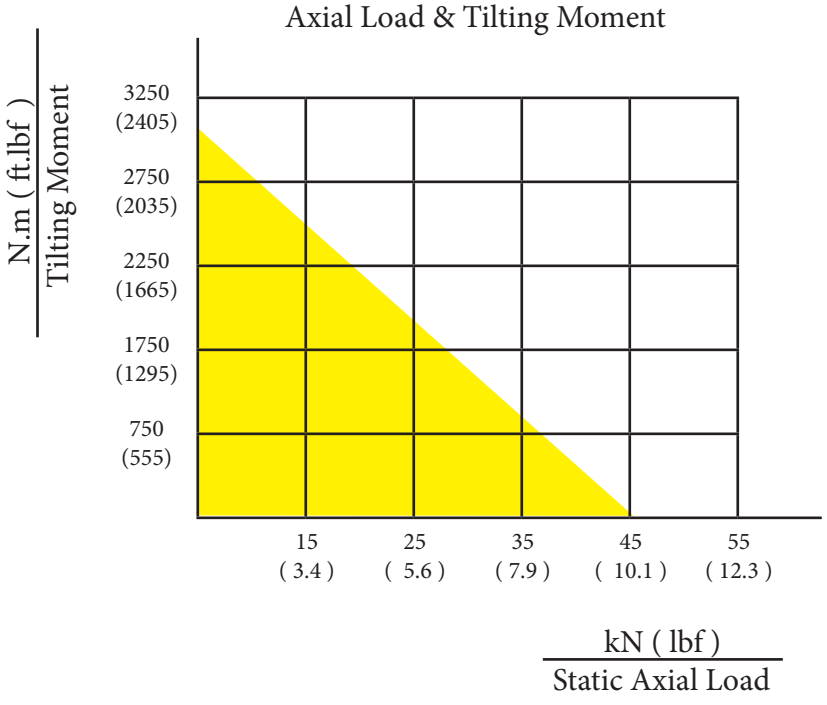




SE5A/PE5A | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE5A	600 N.m	3000 N.m	5500 N.m	45 kN	22 kN	14.4 kN	11.1 kN	62 : 1	≤ 0.2°	20 kg
	442.5 ft.lbf	2212.5 ft.lbf	4056.25 ft.lbf	10116 lbf	4945.6 lbf	3237.1 lbf	2495.3 lbf			
PE5A	600 N.m	3000 N.m	5500 N.m	45 kN	22 kN	14.4 kN	11.1 kN	62 : 1	II : ≤ 0.08° III : ≤ 0.12°	20 kg
	442.5 ft.lbf	2212.5 ft.lbf	4056.25 ft.lbf	10116 lbf	4945.6 lbf	3237.1 lbf	2495.3 lbf			

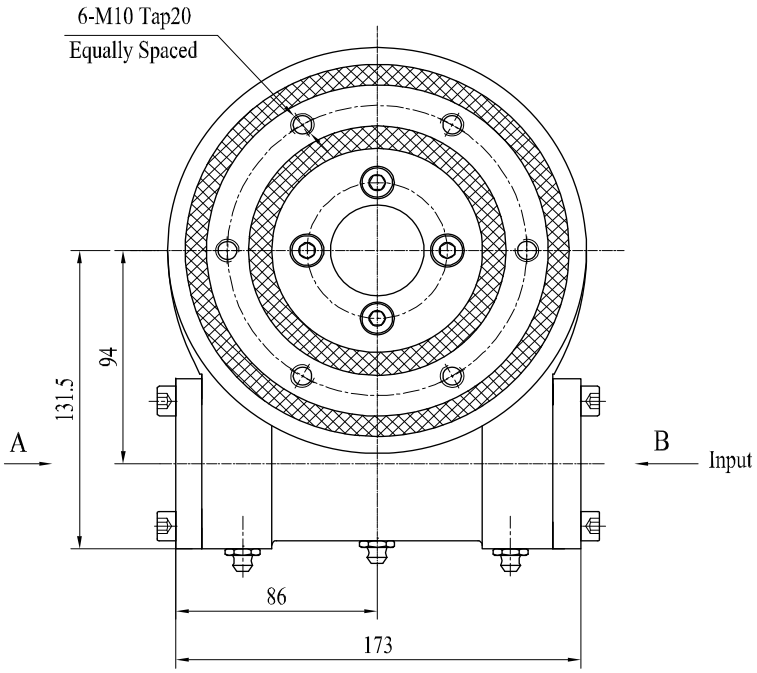
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

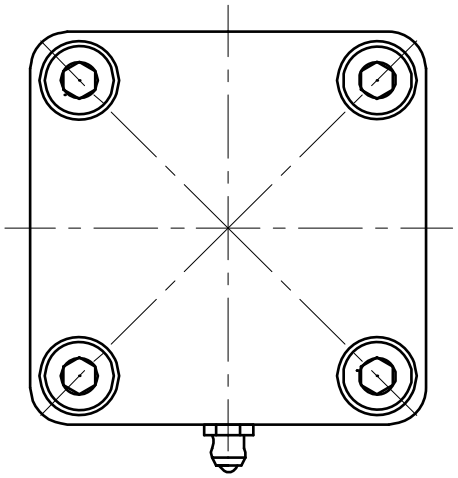
SE5C/PE5C | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

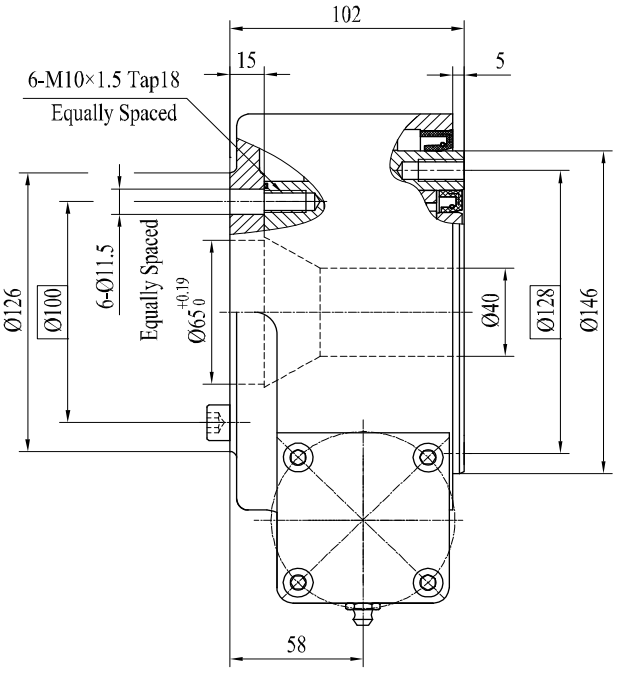


VIEW A OPTION

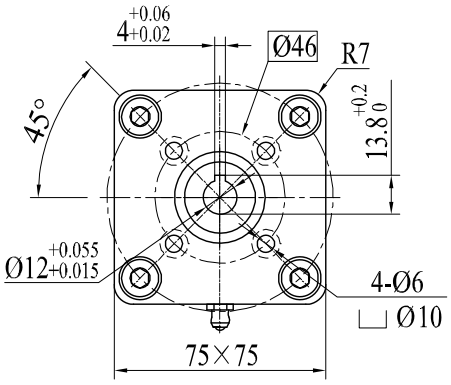
END CAP

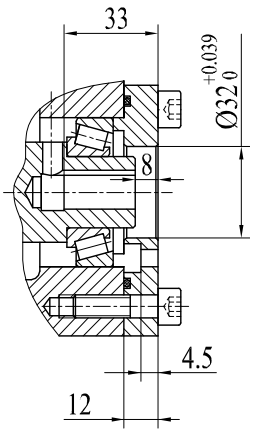


16 kg



VIEW B OPTION

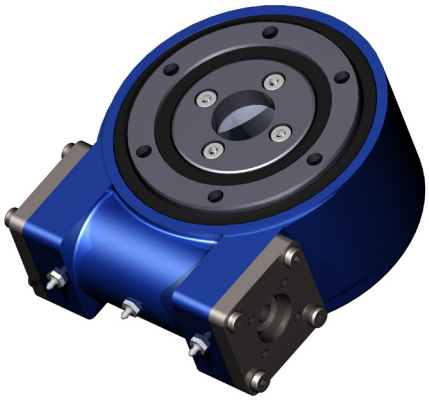


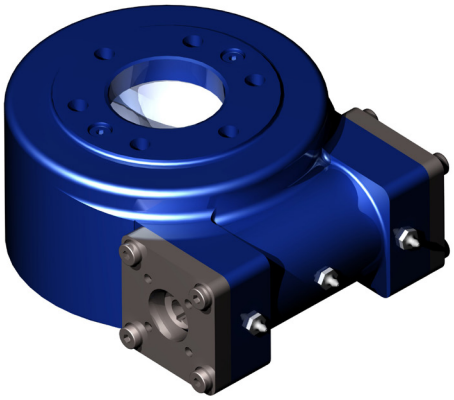


↑12, ↑14, ↑16

Cone Drive reserves the right to improve or change product design and specifications without notice.

SE5C/PE5C | Slewing Drive

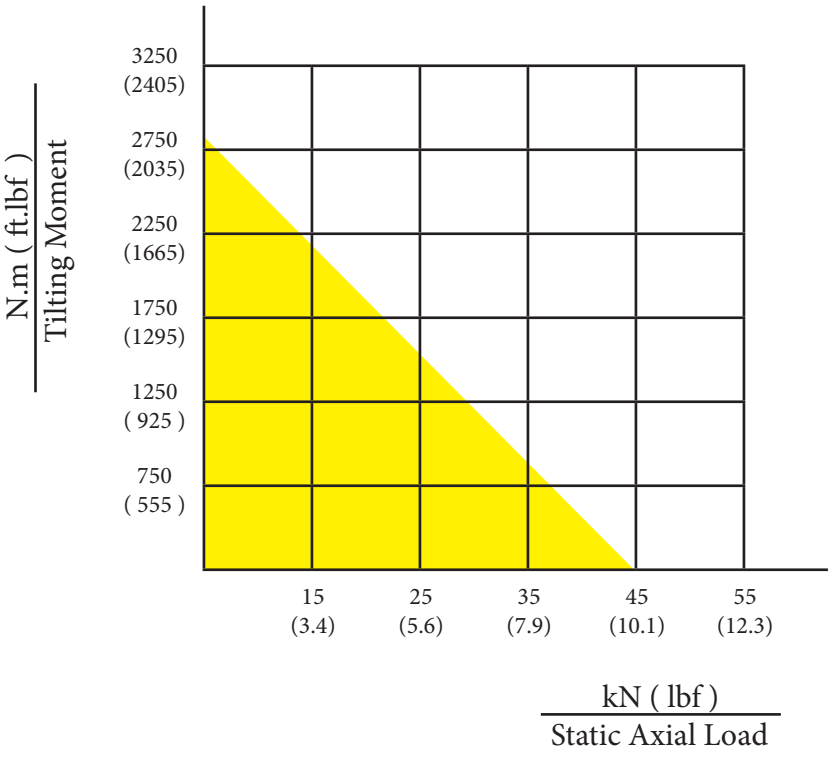




SE5C/PE5C | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE5C	600 N.m	2800 N.m	5000 N.m	45 kN	22 kN	14.4 kN	11.1 kN	62 : 1	≤ 0.2°	16 kg
	442.5 ft.lbf	2066.4 ft.lbf	3690 ft.lbf	10116 lbf	4945.6 lbf	3237.1 lbf	2495.3 lbf			
PE5C	600 N.m	2800 N.m	5000 N.m	45 kN	22 kN	14.4 kN	11.1 kN	62 : 1	II : ≤ 0.08° III : ≤ 0.12°	16 kg
	442.5 ft.lbf	2066.4 ft.lbf	3690 ft.lbf	10116 lbf	4945.6 lbf	3237.1 lbf	2495.3 lbf			

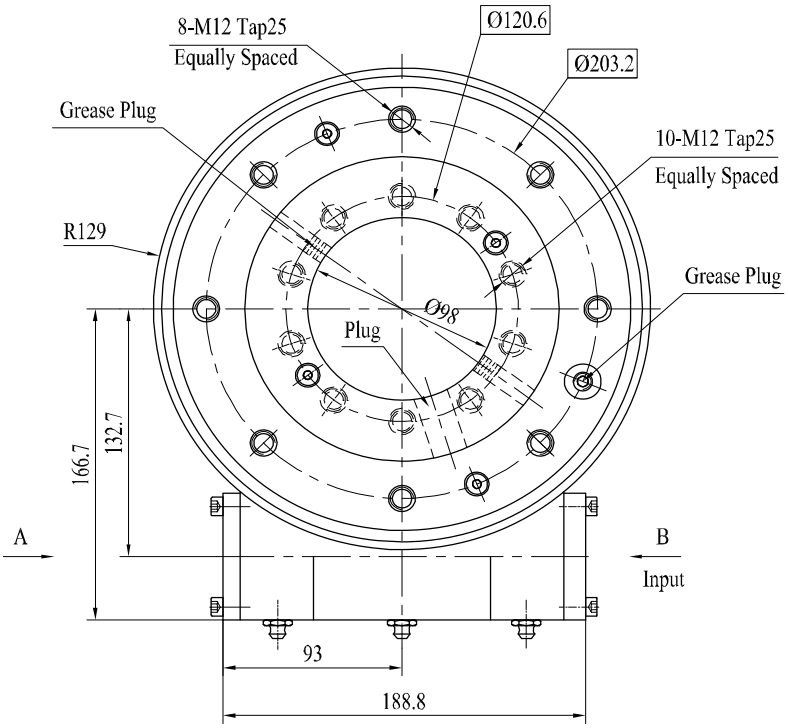
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

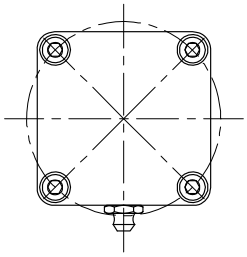
SE7/PE7 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

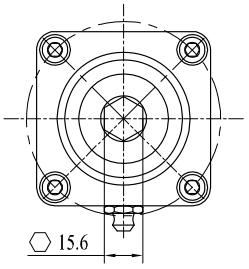


VIEW A OPTION

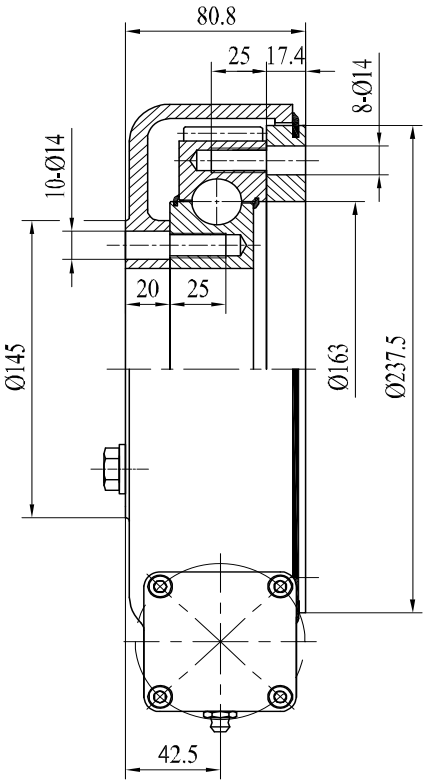
End Cap



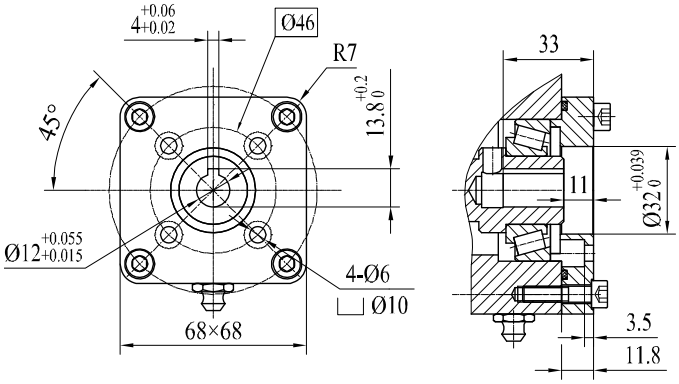
With Hex



21 kg



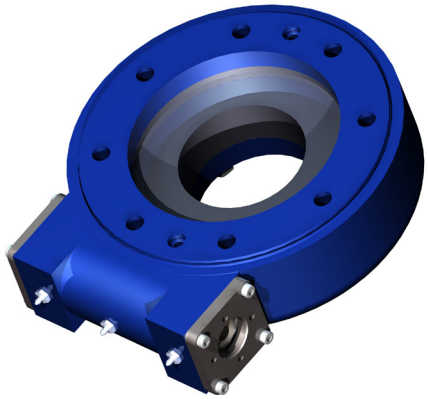
VIEW B OPTION

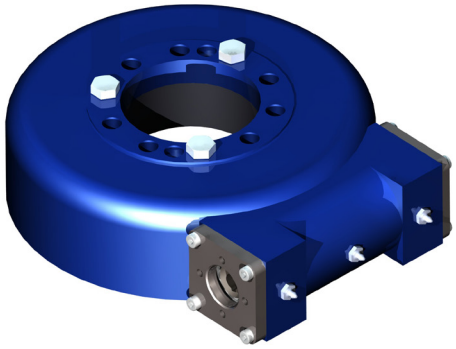


↑12, ↑14, ↑16

Cone Drive reserves the right to improve or change product design and specifications without notice.

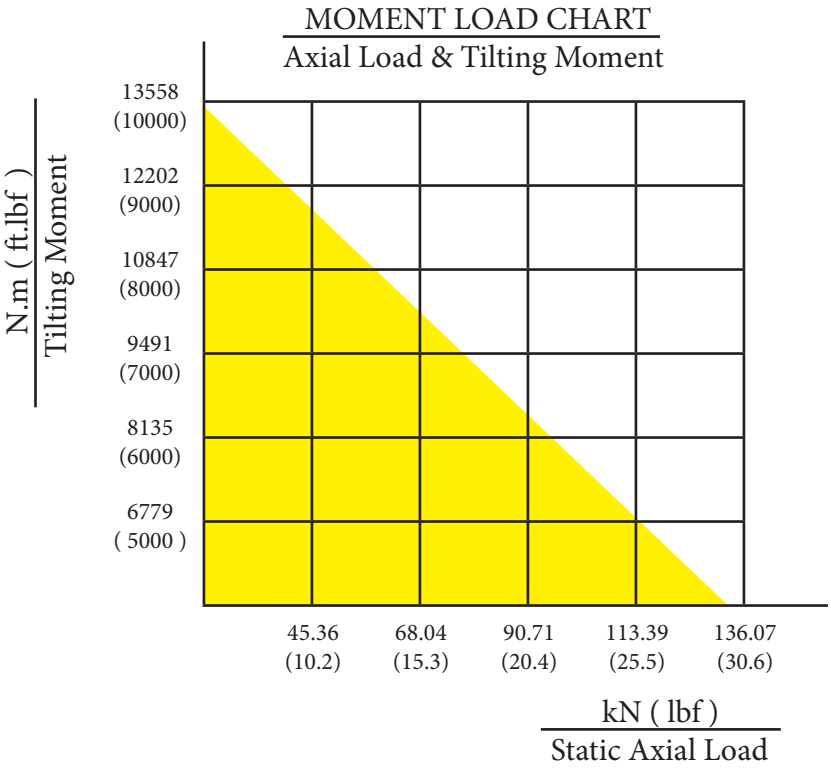
SE7/PE7 | Slewing Drive





SE7/PE7 | Slewing Drive Performance Parameters

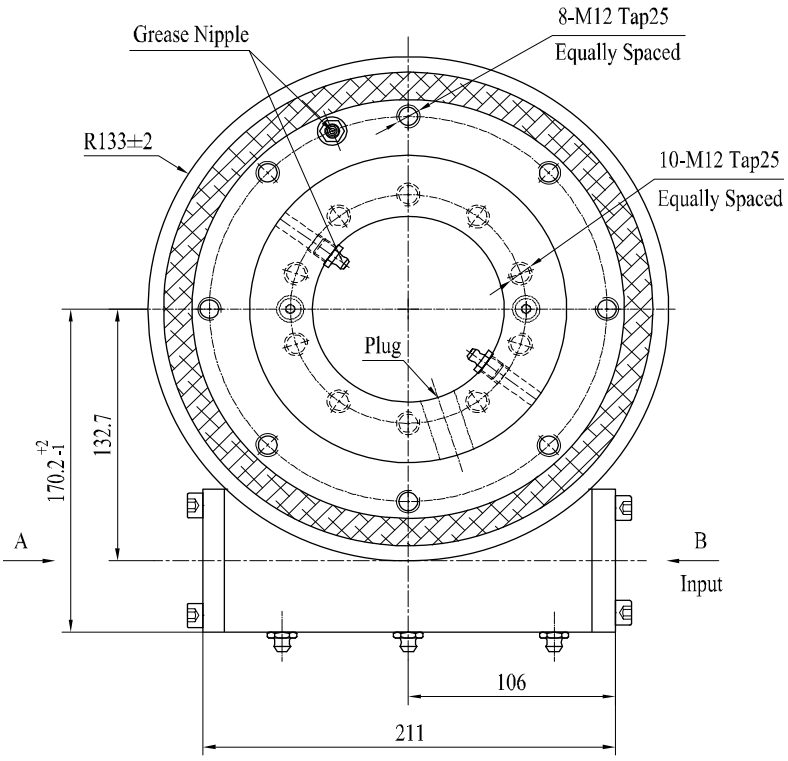
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE7	1500 N.m	13500 N.m	10400 N.m	133 kN	53 kN	32 kN	28 kN	73 : 1	≤ 0.2°	21 kg
	1107 ft.lbf	9957 ft.lbf	7671 ft.lbf	29900 lbf	11915 lbf	7194 lbf	6295 lbf			
PE7	1500 N.m	13500 N.m	10400 N.m	133 kN	53 kN	32 kN	28 kN	73 : 1	II : ≤ 0.07° III : ≤ 0.11°	21 kg
	1107 ft.lbf	9957 ft.lbf	7671 ft.lbf	29900 lbf	11915 lbf	7194 lbf	6295 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

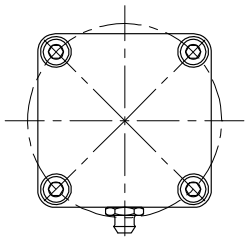
SE7A/PE7A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

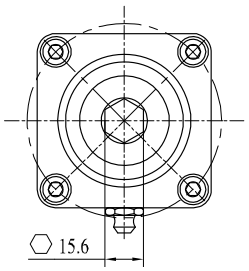


VIEW A OPTION

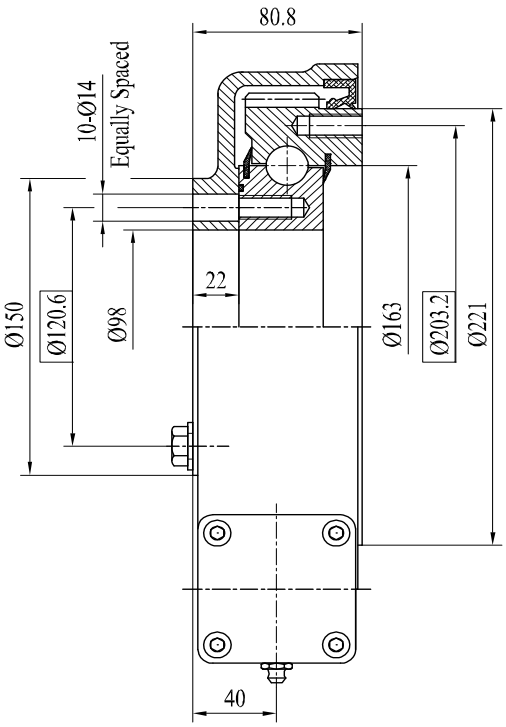
End Cap



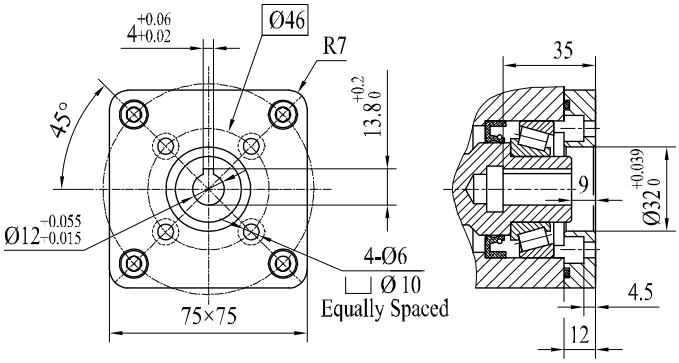
With Hex



25 kg



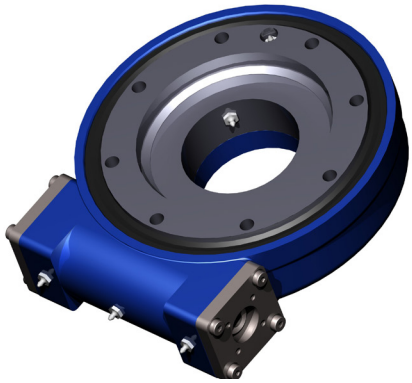
VIEW B OPTION

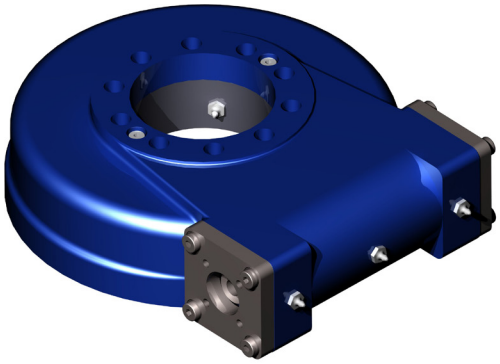


↑12, ↑14, ↑16

Cone Drive reserves the right to improve or change product design and specifications without notice.

SE7A/PE7A | Slewing Drive

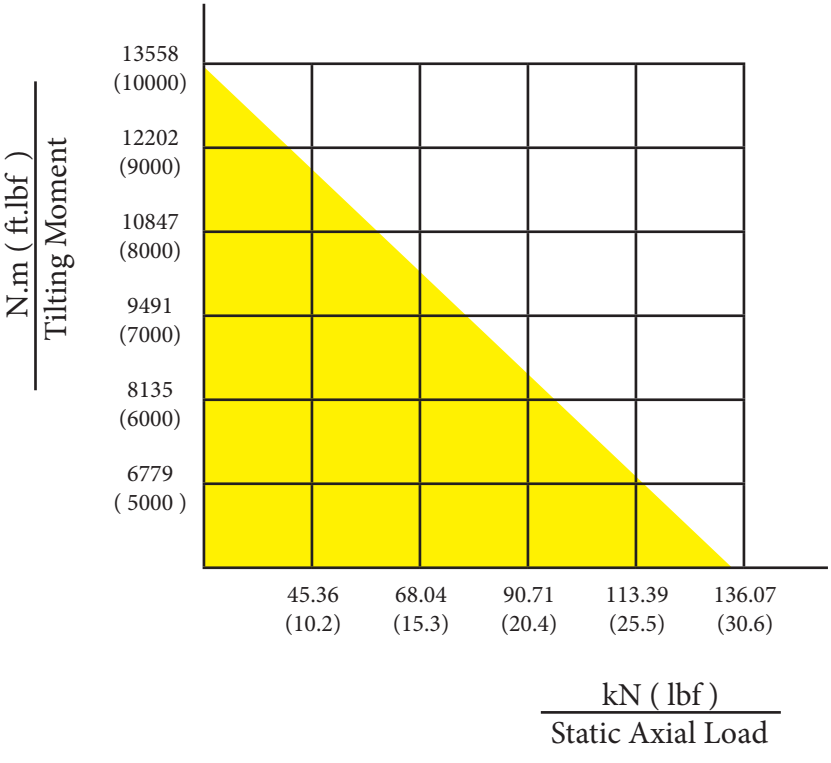




SE7A/PE7A | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE7A	1500 N.m	13500 N.m	10400 N.m	133 kN	53 kN	32 kN	28 kN	73 : 1	≤ 0.2°	25 kg
	1107 ft.lbf	9957 ft.lbf	7671 ft.lbf	29900 lbf	11915 lbf	7194 lbf	6295 lbf			
PE7A	1500 N.m	13500 N.m	10400 N.m	133 kN	53 kN	32 kN	28 kN	73 : 1	II : ≤ 0.07° III : ≤ 0.11°	25 kg
	1107 ft.lbf	9957 ft.lbf	7671 ft.lbf	29900 lbf	11915 lbf	7194 lbf	6295 lbf			

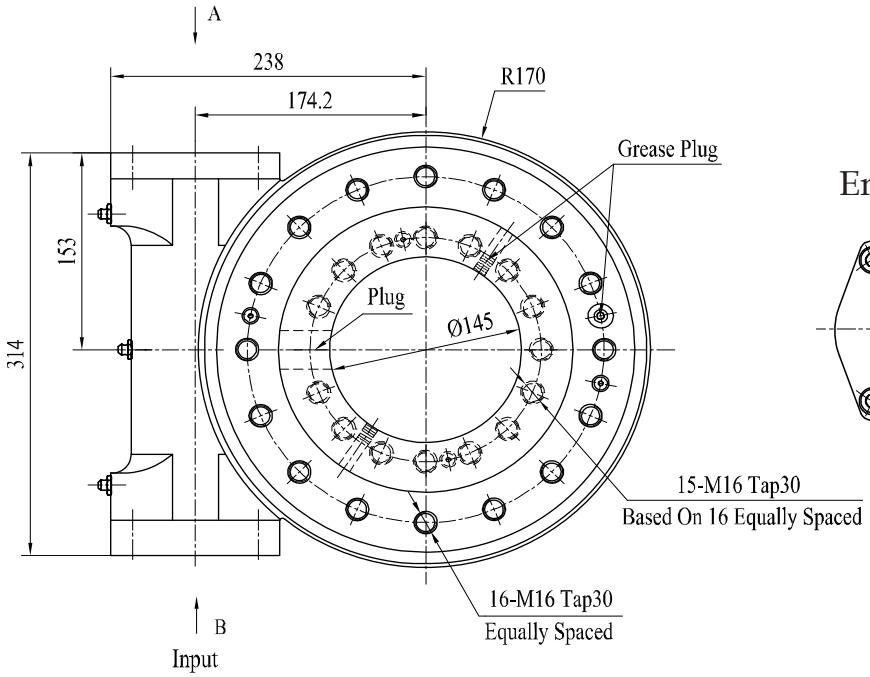
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

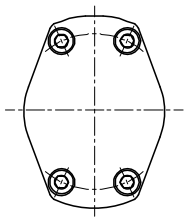
SE9A/PE9A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

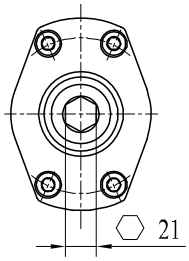


VIEW A OPTION

End Cap

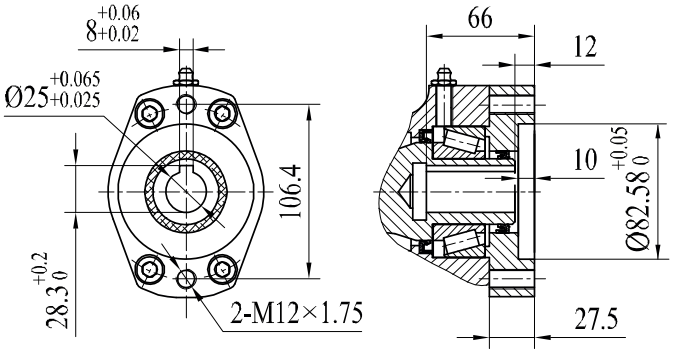


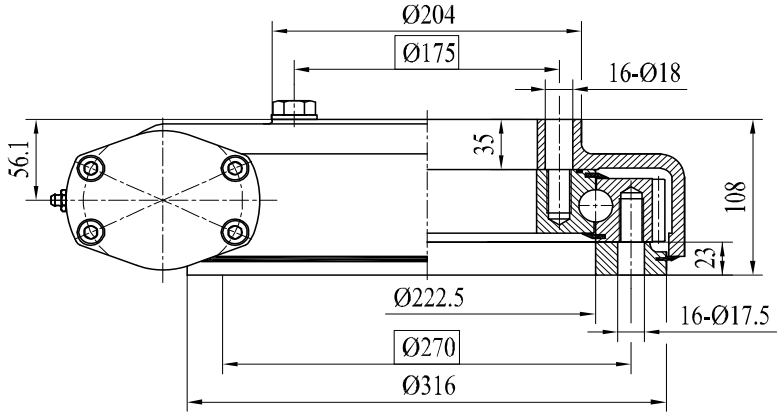
With Hex



49 kg

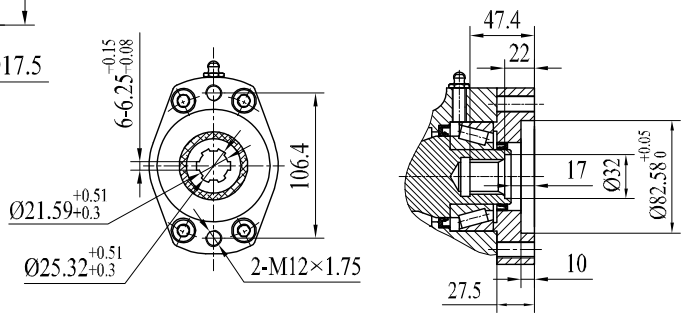
VIEW B OPTION





↑12, ↑14, ↑16, ↑20, ↑25

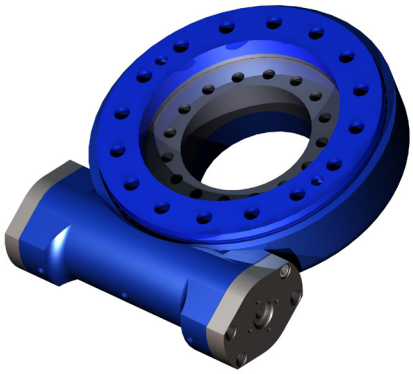
VIEW B OPTION

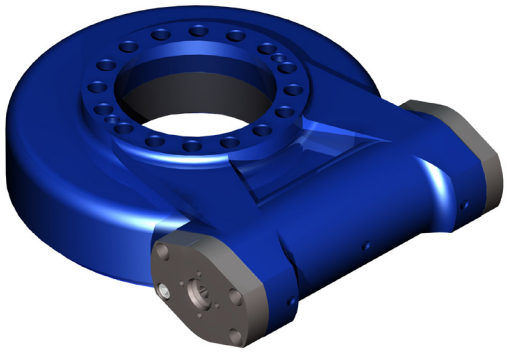


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

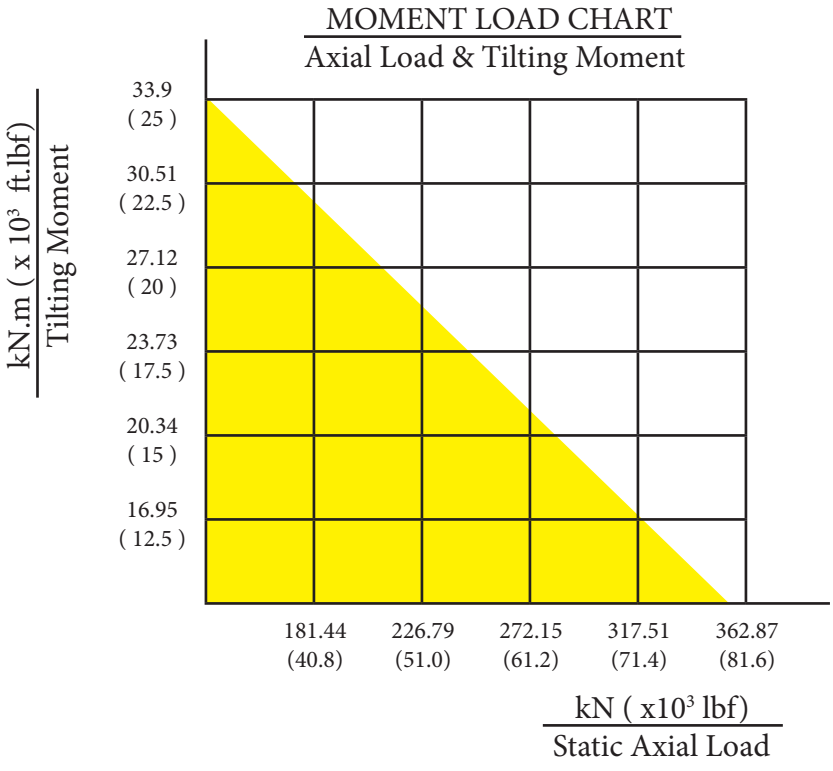
SE9A/PE9A | Slewing Drive





SE9A/PE9A | Slewing Drive Performance Parameters

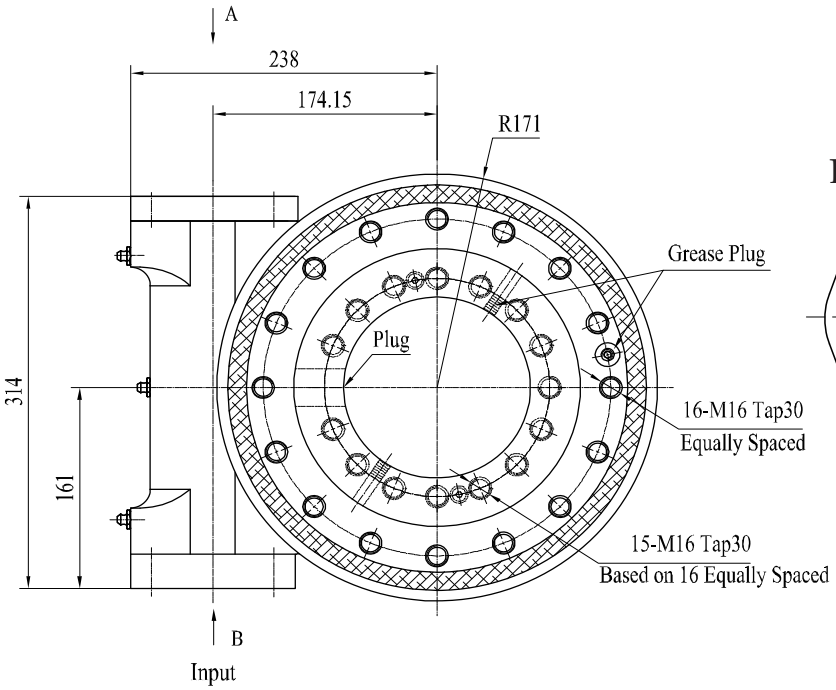
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE9A	6.5 kN.m	33.9 kN.m	38.7 kN.m	338 kN	135 kN	81 kN	71 kN	61 : 1	≤ 0.17°	49 kg
	4794 ft.lbf	25 X 10^3 ft.lbf	29 X 10^3 ft.lbf	76 X 10^3 lbf	30 X 10^3 lbf	18 X 10^3 lbf	16 X 10^3 lbf			
PE9A	6.5 kN.m	33.9 kN.m	38.7 kN.m	338 kN	135 kN	81 kN	71 kN	61 : 1	II : ≤ 0.07° III : ≤ 0.09°	49 kg
	4794 ft.lbf	25 X 10^3 ft.lbf	29 X 10^3 ft.lbf	76 X 10^3 lbf	30 X 10^3 lbf	18 X 10^3 lbf	16 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

SEA9/PEA9 | Slewing Drive

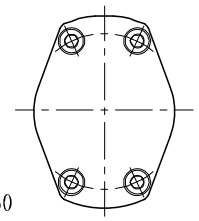
UNITS : mm
1 inch = 25.4 mm



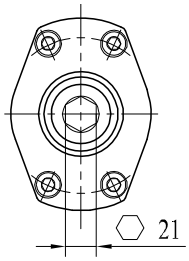
48 kg

VIEW A OPTION

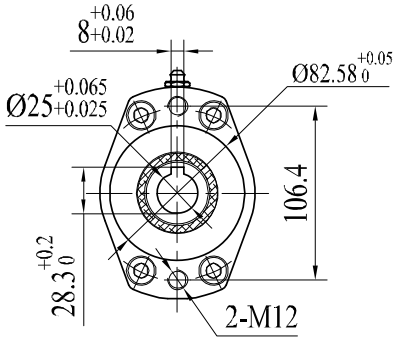
End Cap

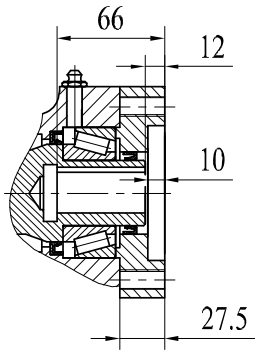


With Hex

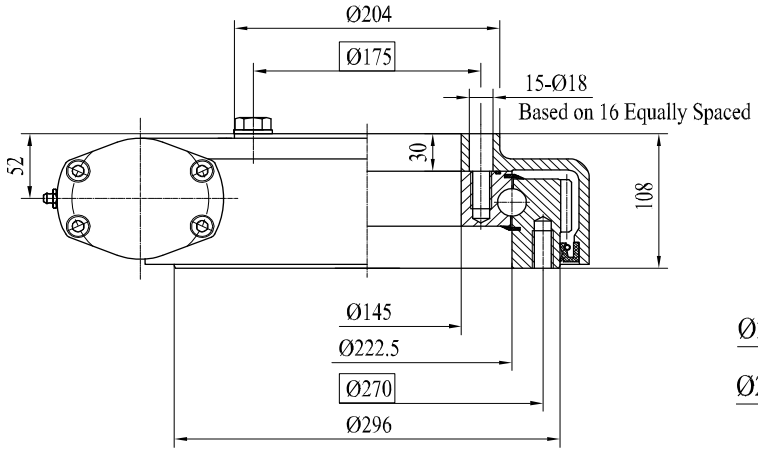


VIEW B OPTION

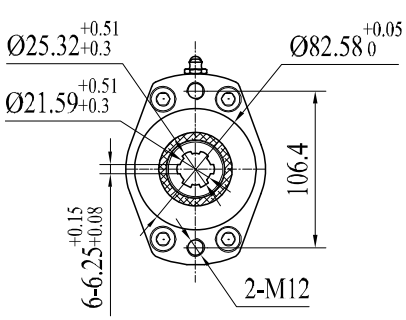


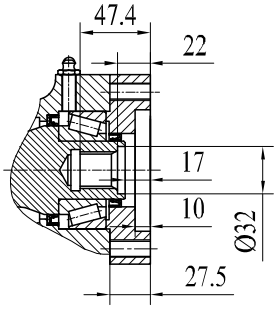


↑12, ↑14, ↑16, ↑20, ↑25



VIEW B OPTION

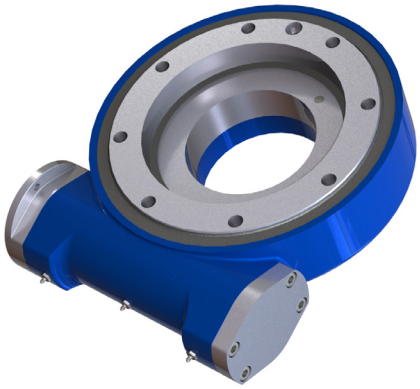


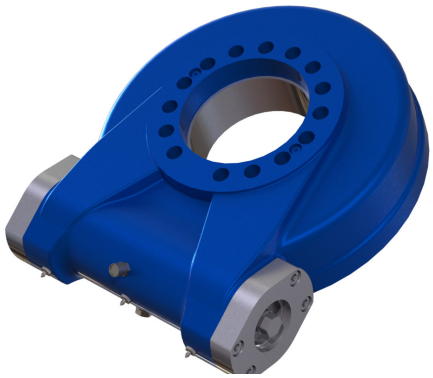


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

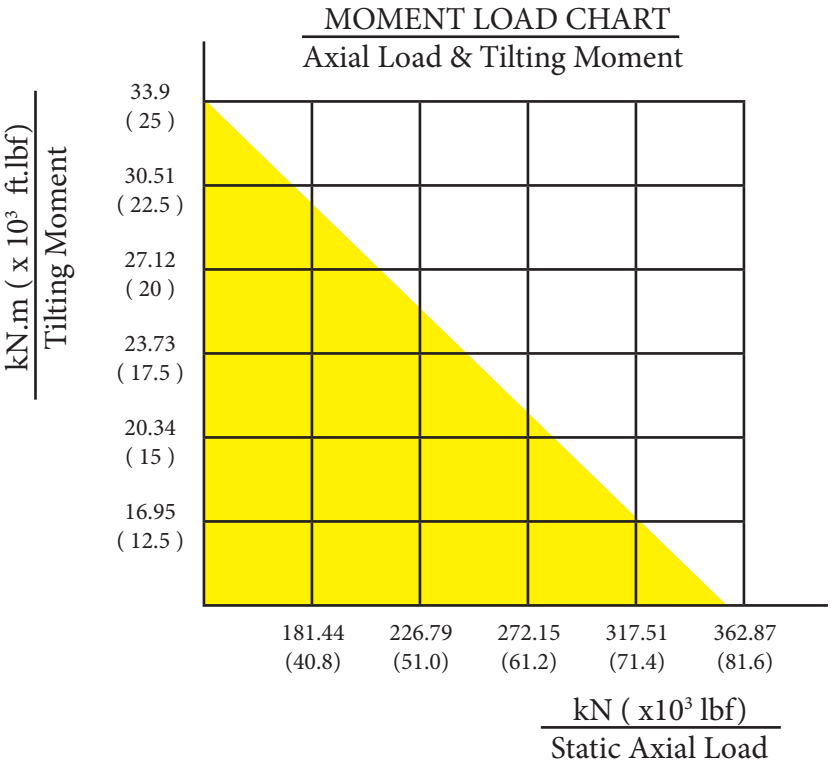
SEA9/PEA9 | Slewing Drive





SEA9/PEA9 | Slewing Drive Performance Parameters

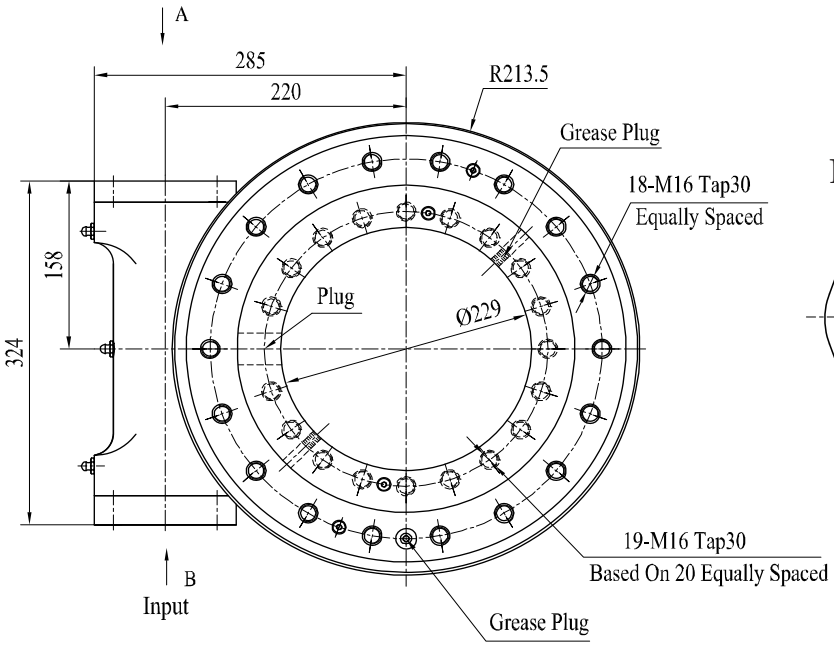
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SEA9	6.5 kN.m	33.9 kN.m	38.7 kN.m	338 kN	135 kN	81 kN	71 kN	61 : 1	≤ 0.17°	48 kg
	4794 ft.lbf	25 X 10^3 ft.lbf	29 X 10^3 ft.lbf	76 X 10^3 lbf	30 X 10^3 lbf	18 X 10^3 lbf	16 X 10^3 lbf			
PEA9	6.5 kN.m	33.9 kN.m	38.7 kN.m	338 kN	135 kN	81 kN	71 kN	61 : 1	II : ≤ 0.07° III : ≤ 0.09°	48 kg
	4794 ft.lbf	25 X 10^3 ft.lbf	29 X 10^3 ft.lbf	76 X 10^3 lbf	30 X 10^3 lbf	18 X 10^3 lbf	16 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

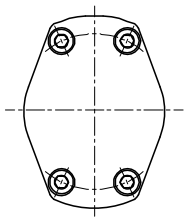
SE12A/PE12A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

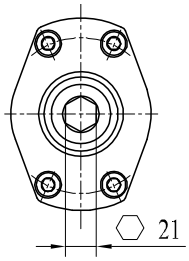


VIEW A OPTION

End Cap

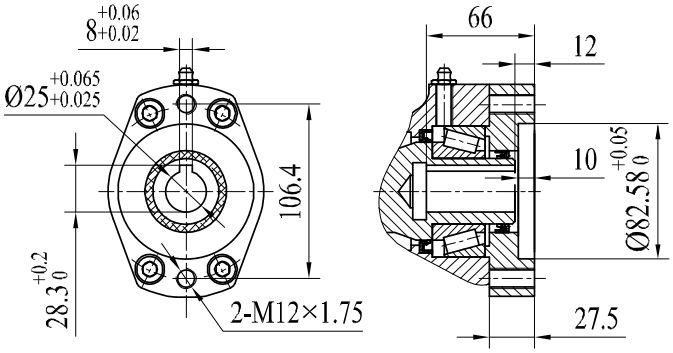


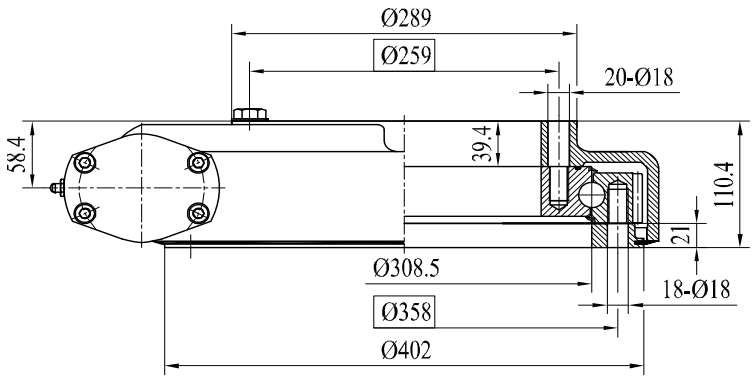
With Hex



61 kg

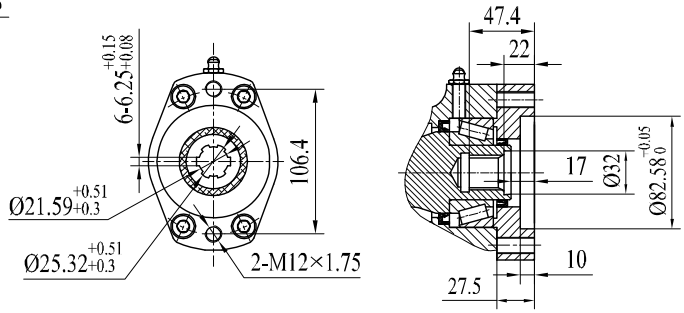
VIEW B OPTION





↑12, ↑14, ↑16, ↑20, ↑25

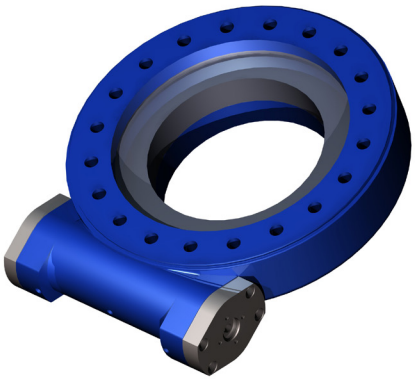
VIEW B OPTION

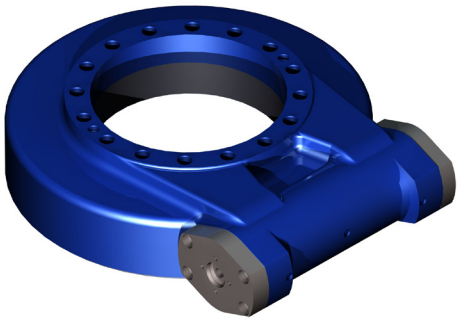


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

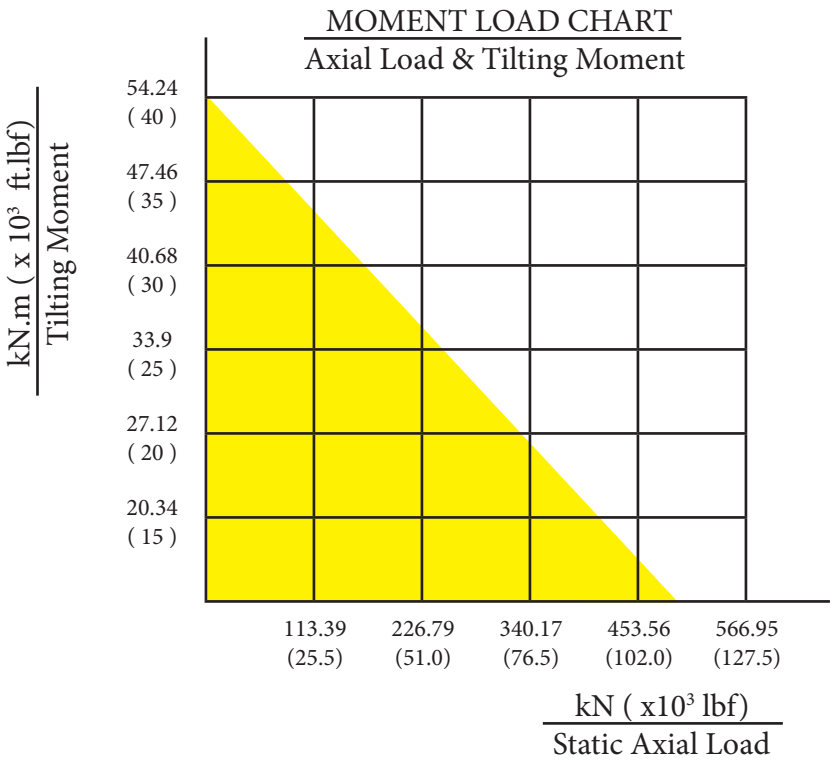
SE12A/PE12A | Slewing Drive





SE12A/PE12A | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE12A	7.5 kN.m	54.3 kN.m	43 kN.m	475 kN	190 kN	114 kN	100 kN	78 : 1	≤ 0.17°	61 kg
	5532 ft.lbf	40 X 10^3 ft.lbf	32 X 10^3 ft.lbf	107 X 10^3 lbf	43 X 10^3 lbf	26 X 10^3 lbf	23 X 10^3 lbf			
PE12A	7.5 kN.m	54.3 kN.m	43 kN.m	475 kN	190 kN	114 kN	100 kN	78 : 1	II : ≤ 0.05° III : ≤ 0.07°	61 kg
	5532 ft.lbf	40 X 10^3 ft.lbf	32 X 10^3 ft.lbf	107 X 10^3 lbf	43 X 10^3 lbf	26 X 10^3 lbf	23 X 10^3 lbf			

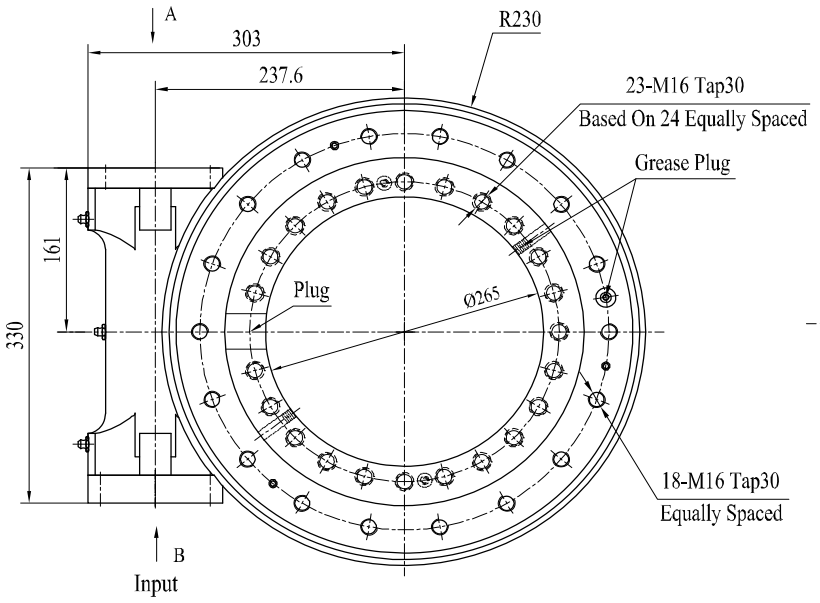


NOTICE:

PLEASE BE SURE TO REMAIN UNDER THIS CURVE

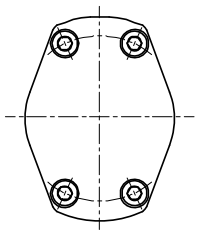
SE14A/PE14A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

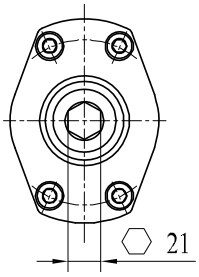


VIEW A OPTION

End Cap

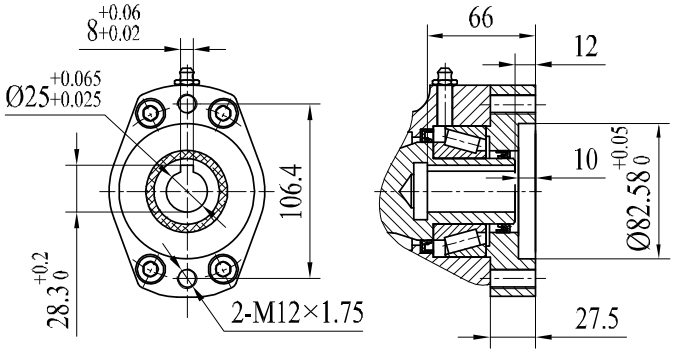


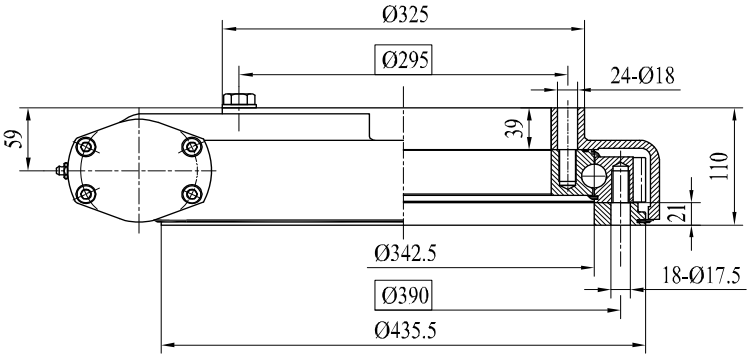
With Hex



VIEW B OPTION

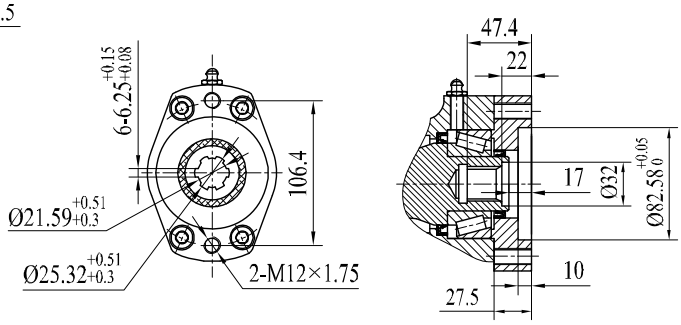
64 kg





↑12, ↑14, ↑16, ↑20, ↑25

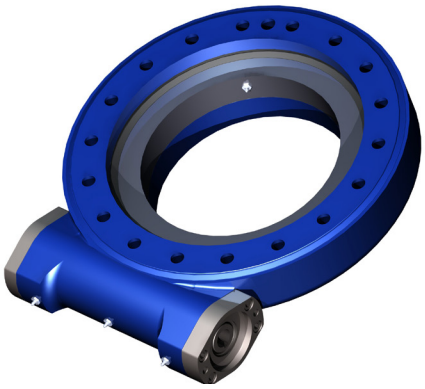
VIEW B OPTION

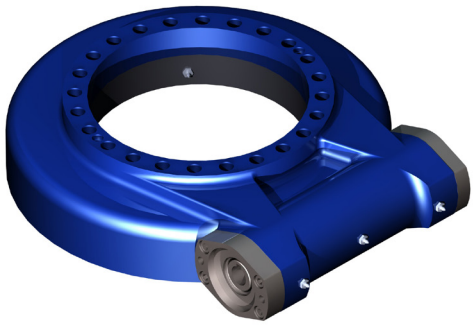


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

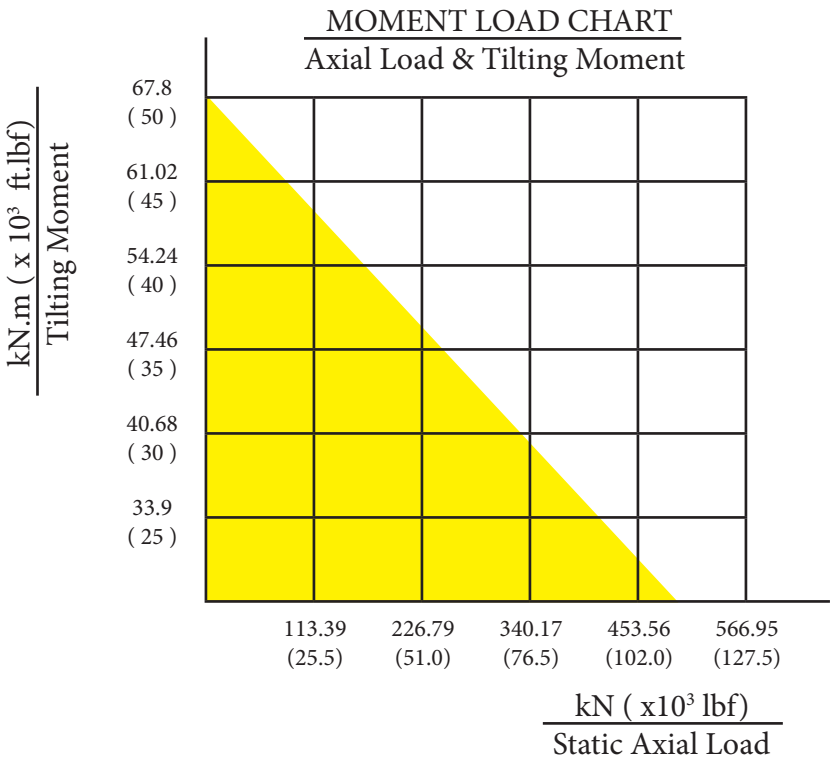
SE14A/PE14A | Slewing Drive





SE14A/PE14A | Slewing Drive Performance Parameters

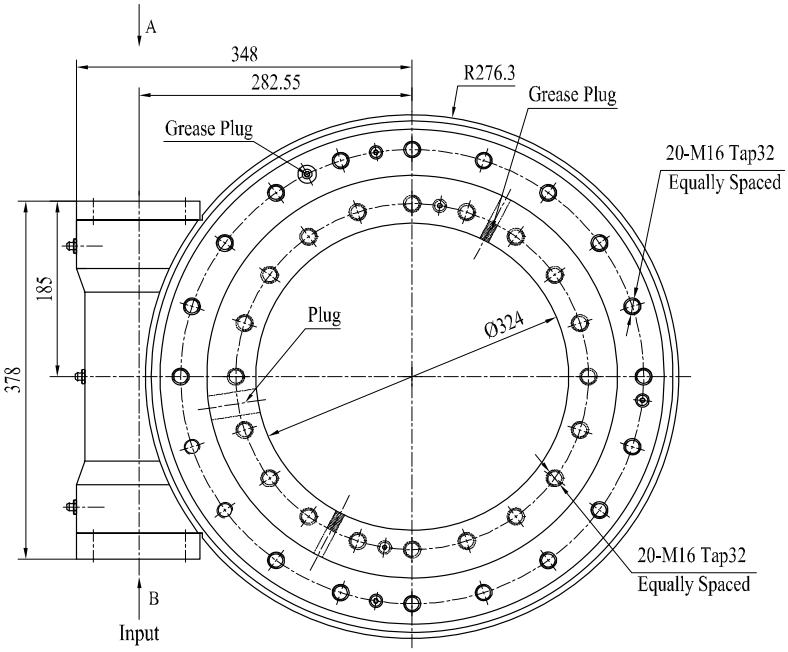
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE14A	8 kN.m	67.8 kN.m	48 kN.m	555 kN	222 kN	133 kN	117 kN	85 : 1	≤ 0.17°	64 kg
	5900 ft.lbf	50 X 10^3 ft.lbf	35 X 10^3 ft.lbf	125 X 10^3 lbf	50 X 10^3 lbf	30 X 10^3 lbf	26 X 10^3 lbf			
PE14A	8 kN.m	67.8 kN.m	48 kN.m	555 kN	222 kN	133 kN	117 kN	85 : 1	II : ≤ 0.05° III : ≤ 0.07° IV : ≤ 0.09°	64 kg
	5900 ft.lbf	50 X 10^3 ft.lbf	35 X 10^3 ft.lbf	125 X 10^3 lbf	50 X 10^3 lbf	30 X 10^3 lbf	26 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

SE17A/PE17A | Slewing Drive

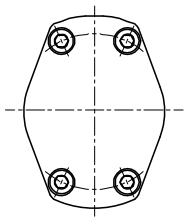
UNITS : mm
1 inch = 25.4 mm



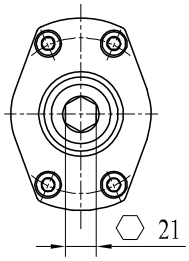
105 kg

VIEW A OPTION

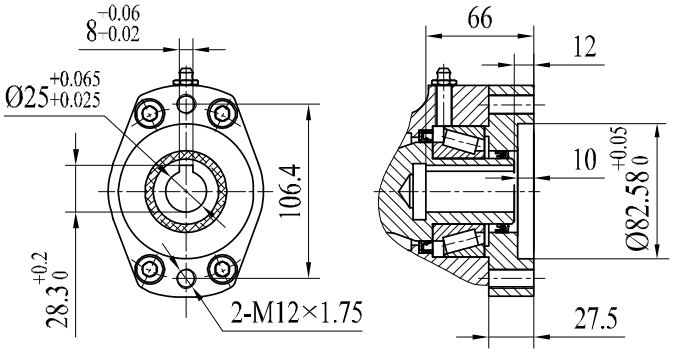
End Cap



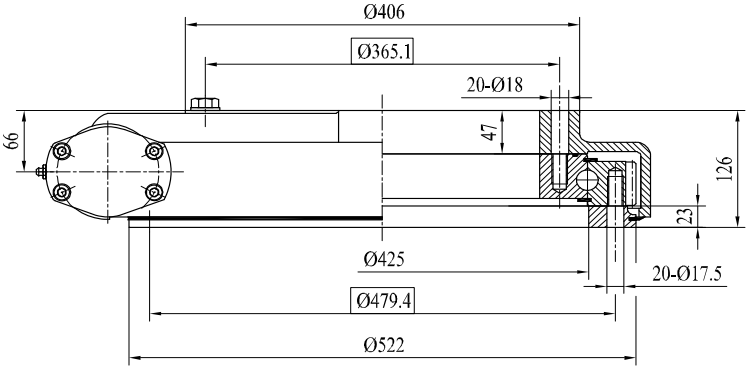
With Hex



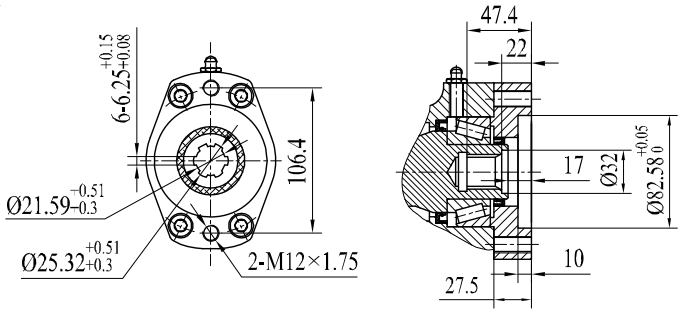
VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25



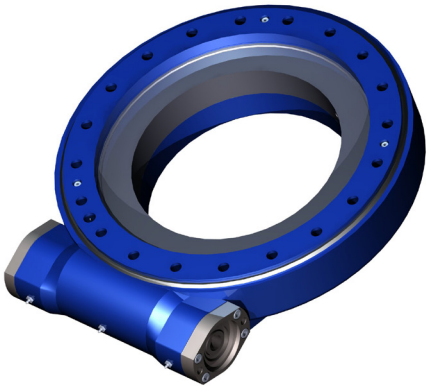
VIEW B OPTION

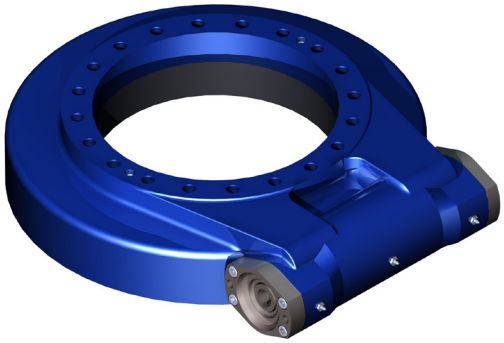


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

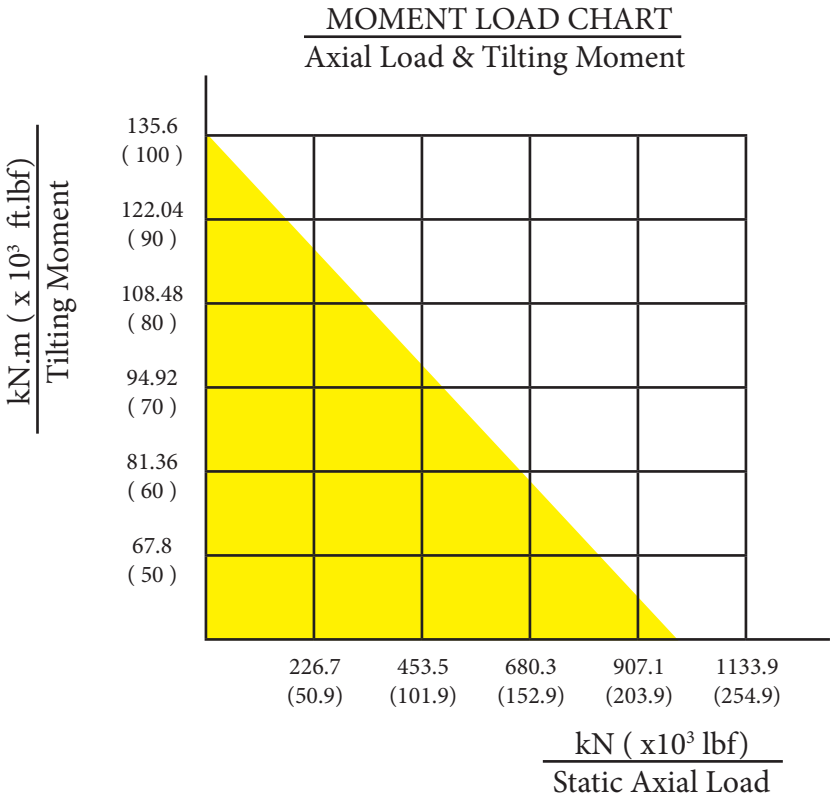
SE17A/PE17A | Slewing Drive





SE17A/PE17A | Slewing Drive Performance Parameters

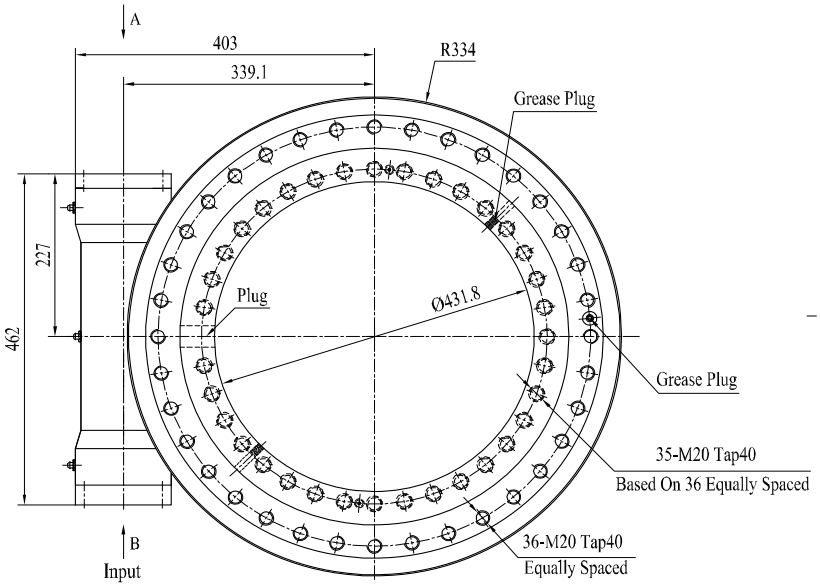
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE17A	10 kN.m	135.6 kN.m	72.3 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	≤ 0.15°	105 kg
	7400 ft.lbf	100 X 10^3 ft.lbf	53 X 10^3 ft.lbf	218 X 10^3 lbf	88 X 10^3 lbf	53 X 10^3 lbf	46 X 10^3 lbf			
PE17A	10 kN.m	135.6 kN.m	72.3 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	II : ≤ 0.05° III : ≤ 0.07° IV : ≤ 0.09°	105 kg
	7400 ft.lbf	100 X 10^3 ft.lbf	53 X 10^3 ft.lbf	218 X 10^3 lbf	88 X 10^3 lbf	53 X 10^3 lbf	46 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

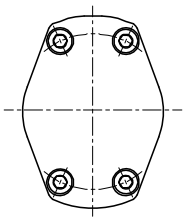
SE21/PE21 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

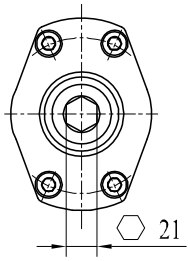


VIEW A OPTION

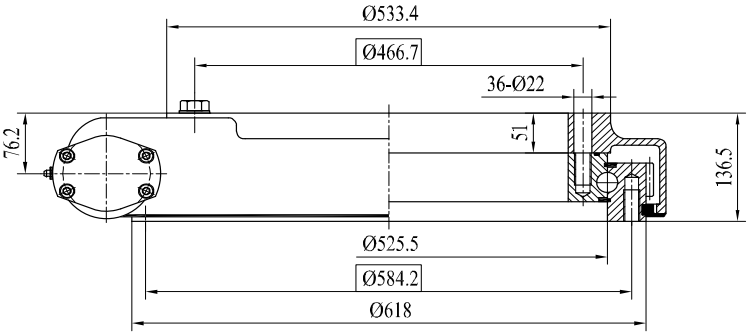
End Cap



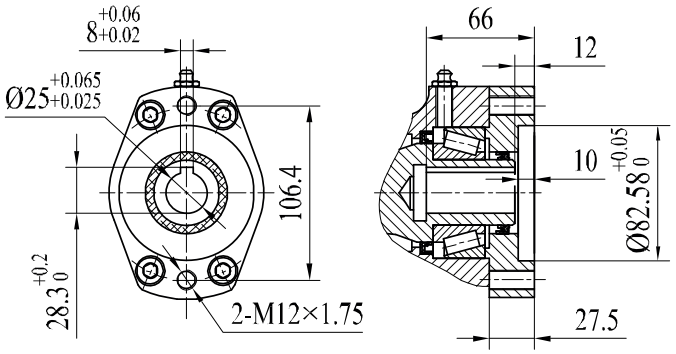
With Hex



149 kg

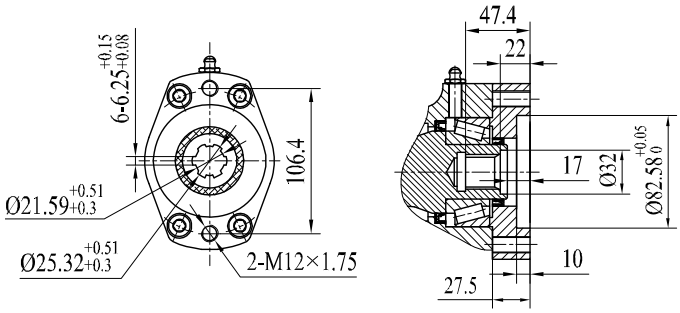


VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25

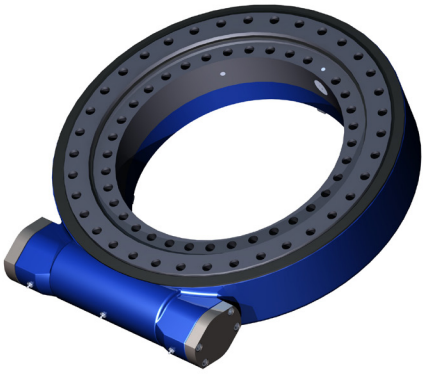
VIEW B OPTION

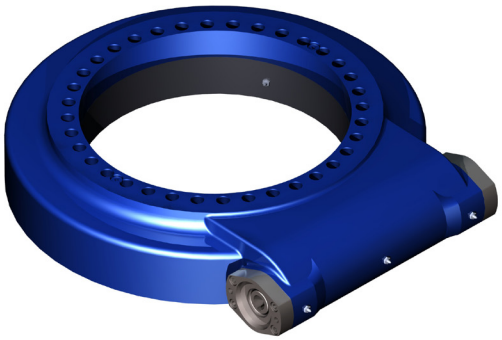


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

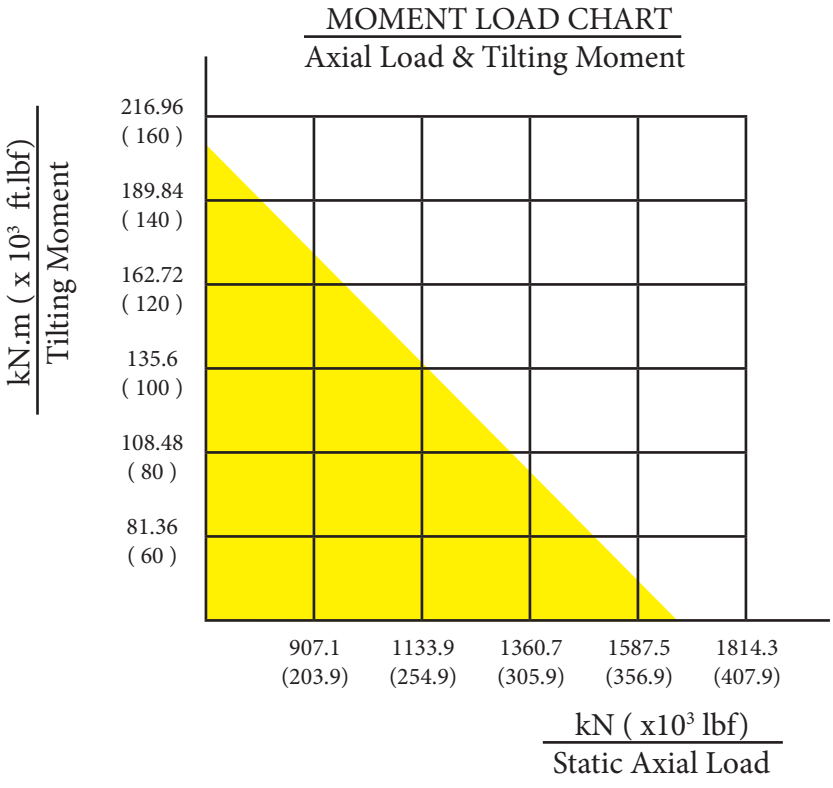
SE21/PE21 | Slewing Drive





SE21/PE21 | Slewing Drive Performance Parameters

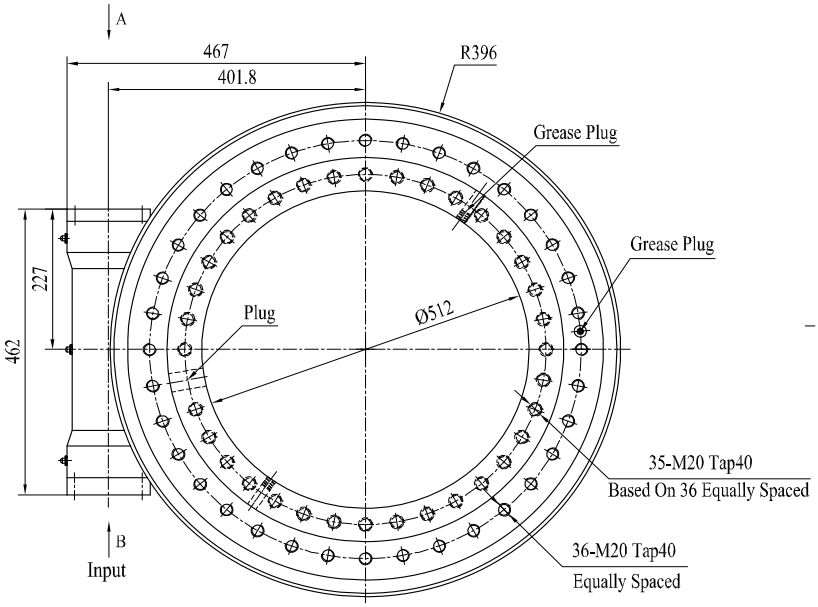
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE21	15 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	125 : 1	≤ 0.15°	149 kg
	11000 ft.lbf	150 X 10^3 ft.lbf	78 X 10^3 ft.lbf	359 X 10^3 lbf	144 X 10^3 lbf	87 X 10^3 lbf	75 X 10^3 lbf			
PE21	15 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	125 : 1	II : ≤ 0.05° III : ≤ 0.07° IV : ≤ 0.09°	149 kg
	11000 ft.lbf	150 X 10^3 ft.lbf	78 X 10^3 ft.lbf	359 X 10^3 lbf	144 X 10^3 lbf	87 X 10^3 lbf	75 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

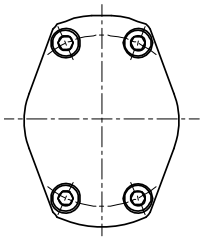
SE25/PE25 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

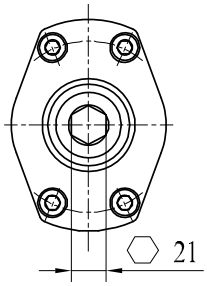


VIEW A OPTION

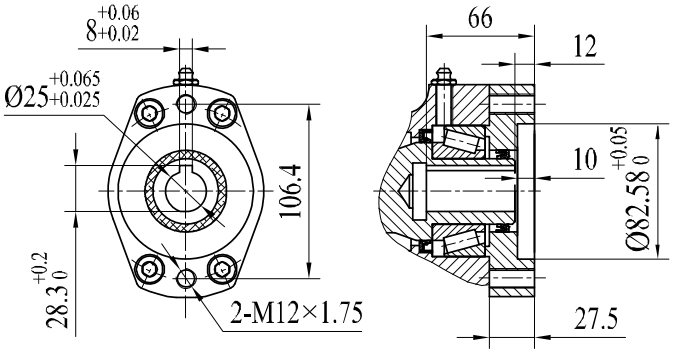
End Cap



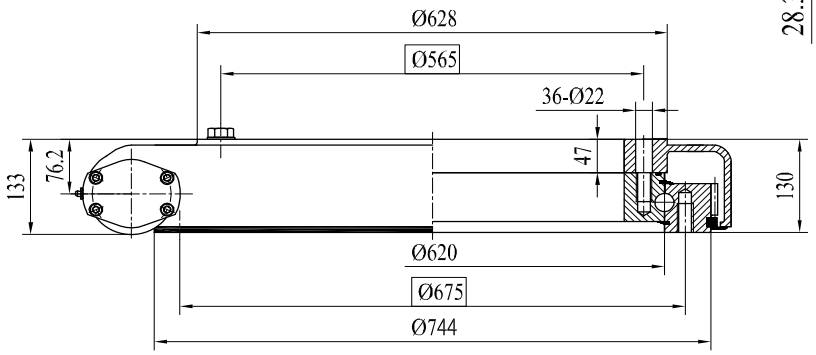
With Hex



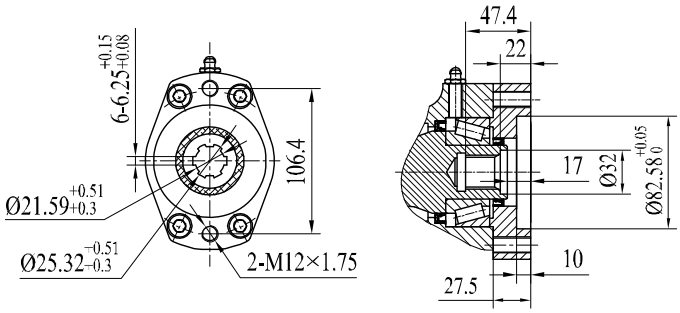
204 kg



↑12, ↑14, ↑16, ↑20, ↑25



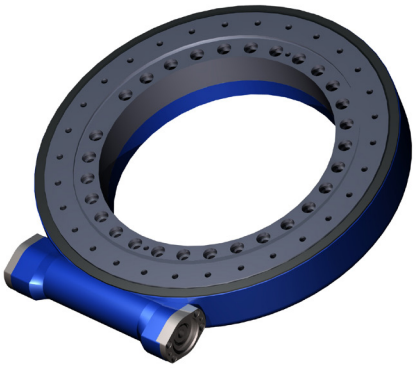
VIEW B OPTION

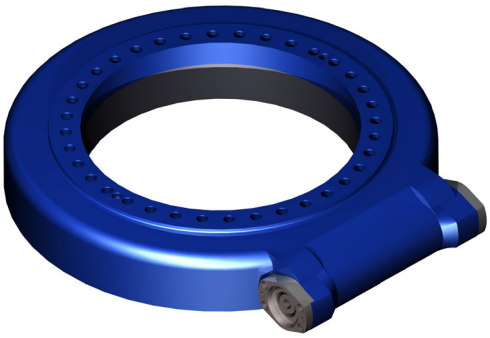


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

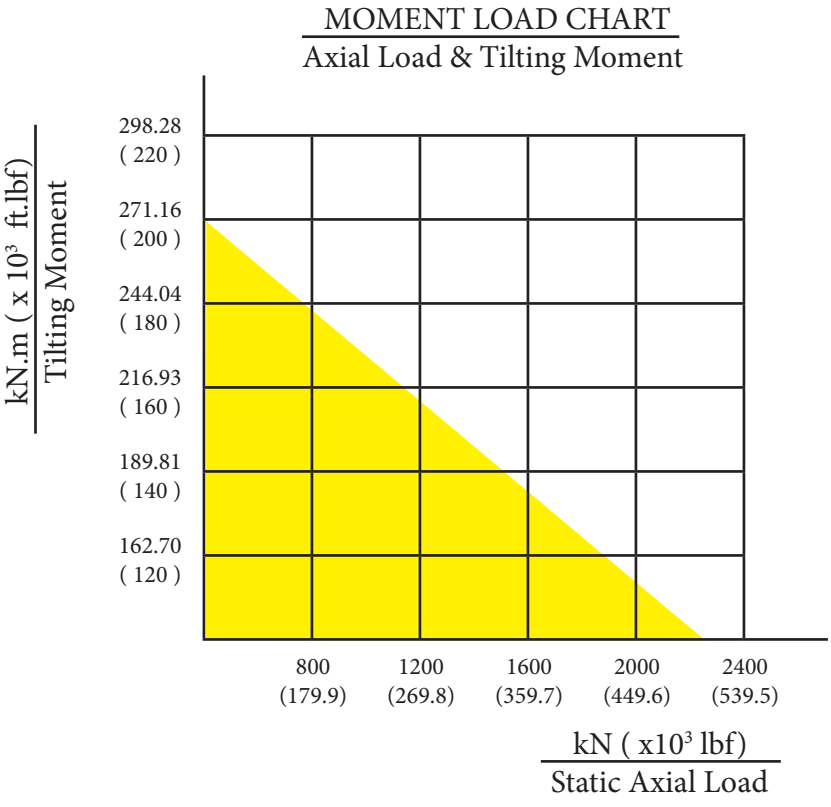
SE25/PE25 | Slewing Drive





SE25/PE25 | Slewing Drive Performance Parameters

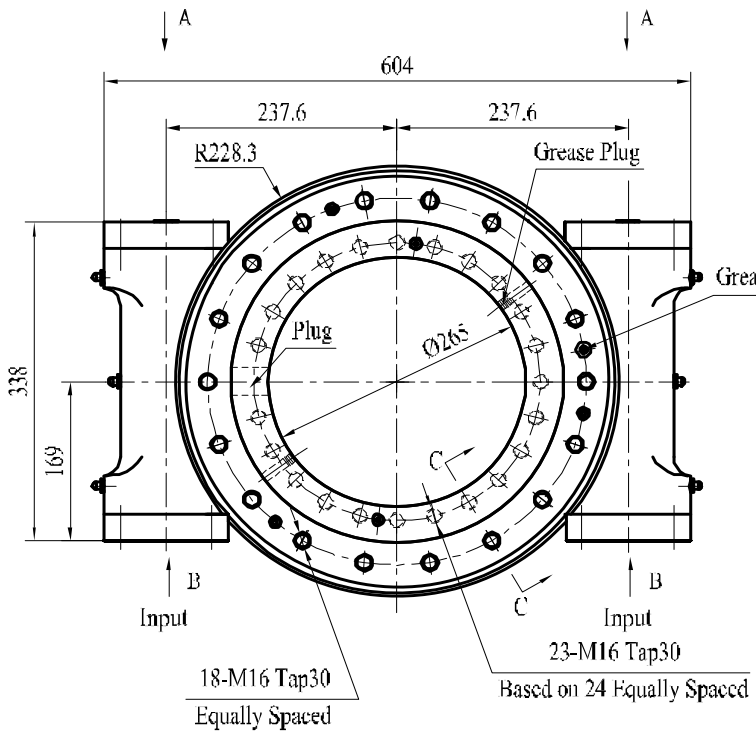
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE25	18 kN.m	271 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	150 : 1	≤ 0.15°	204 kg
	13300 ft.lbf	200 X 10^3 ft.lbf	117 X 10^3 ft.lbf	531 X 10^3 lbf	212 X 10^3 lbf	133 X 10^3 lbf	106 X 10^3 lbf			
PE25	18 kN.m	271 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	150 : 1	II : ≤ 0.05° III : ≤ 0.07° IV : ≤ 0.09°	204 kg
	13300 ft.lbf	200 X 10^3 ft.lbf	117 X 10^3 ft.lbf	531 X 10^3 lbf	212 X 10^3 lbf	133 X 10^3 lbf	106 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

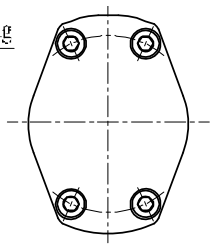
SE14-2/S14-2 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

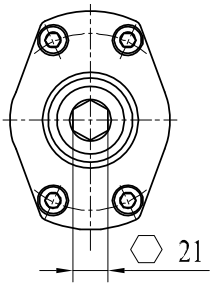


VIEW A OPTION

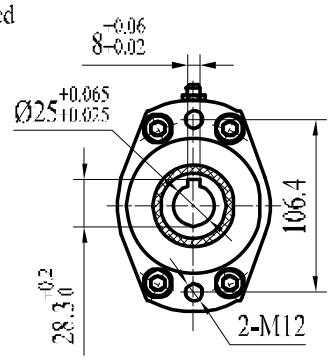
END CAP

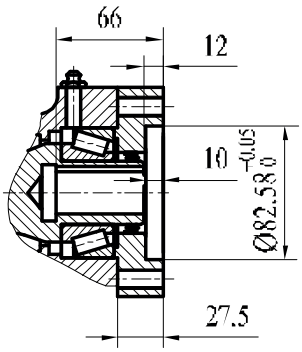


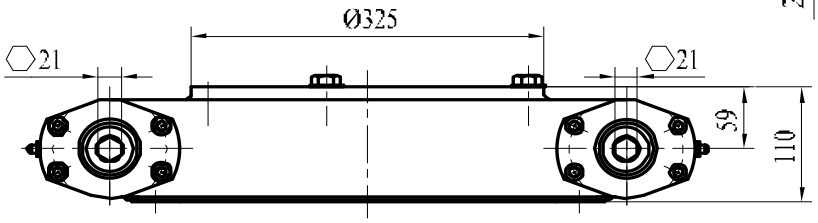
WITH HEX



VIEW B OPTION

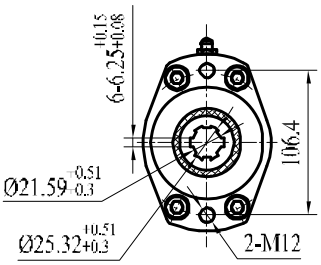


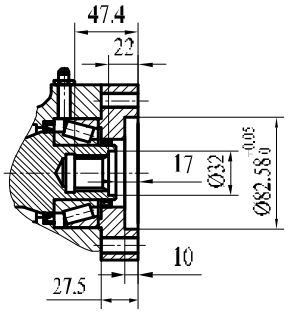




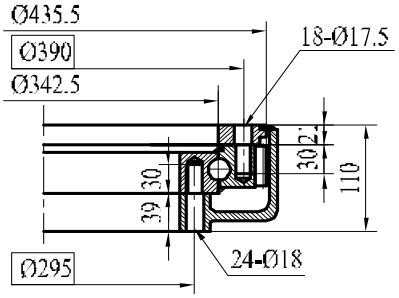
↑12, ↑14, ↑16, ↑20, ↑25

VIEW B OPTION





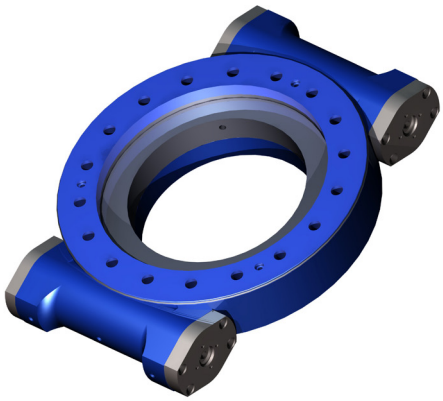
SECTION C
BLIND HOLE

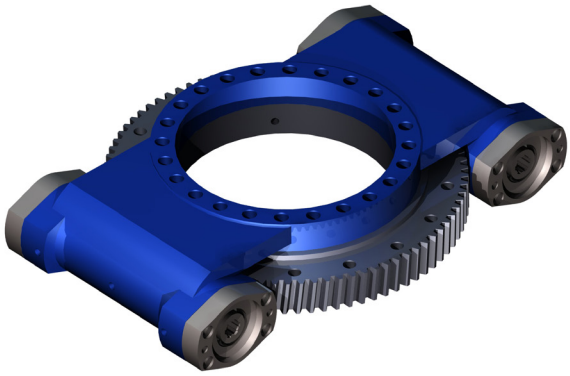


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

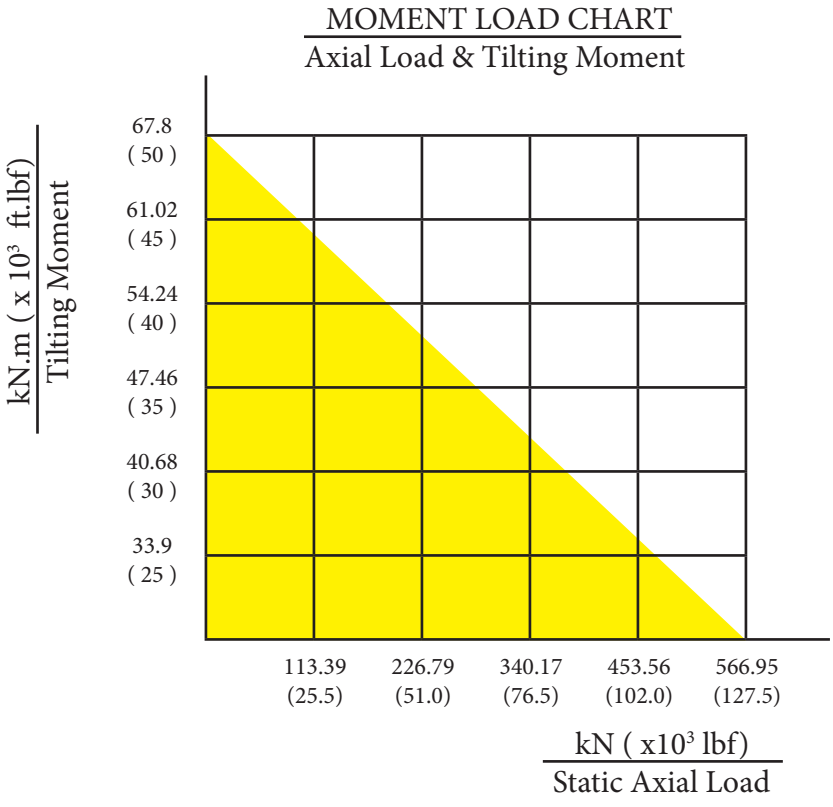
SE14-2/S14-2 | Slewing Drive





SE14-2/S14-2 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE14-2	12 kN.m	67.8 kN.m	81.6 kN.m	555 kN	222 kN	133 kN	117 kN	85 : 1	≤ 0.17°	76 kg
	8851 ft.lbf	50 X 10^3 ft.lbf	59.5 X 10^3 ft.lbf	125 X 10^3 lbf	50 X 10^3 lbf	30 X 10^3 lbf	26 X 10^3 lbf			
S14-2	12 kN.m	67.8 kN.m	81.6 kN.m	555 kN	222 kN	133 kN	117 kN	85 : 1	≤ 0.17°	62 kg
	8851 ft.lbf	50 X 10^3 ft.lbf	59.5 X 10^3 ft.lbf	125 X 10^3 lbf	50 X 10^3 lbf	30 X 10^3 lbf	26 X 10^3 lbf			

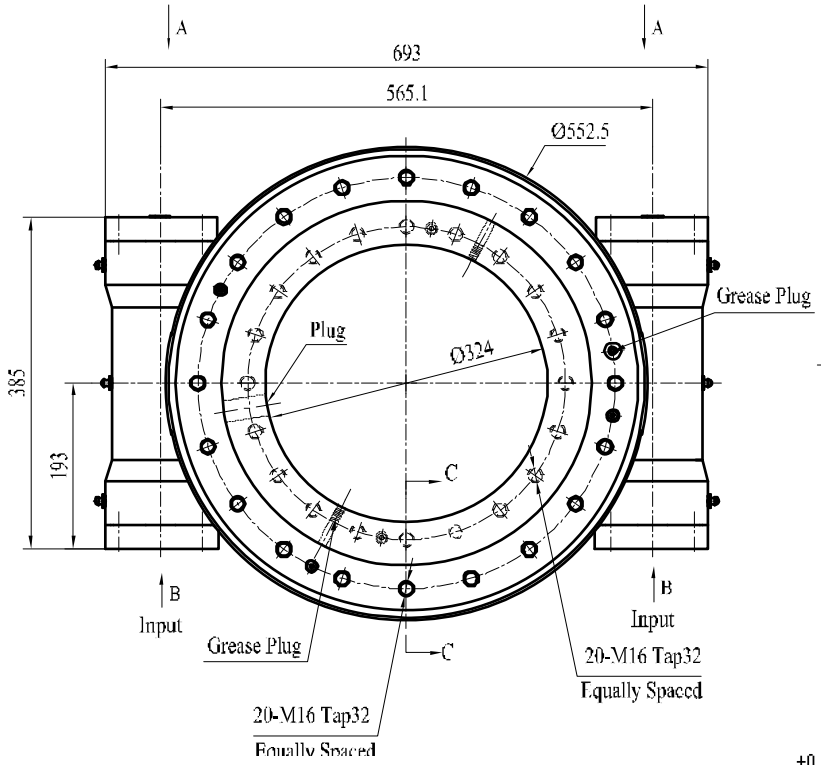


NOTICE:

PLEASE BE SURE TO REMAIN UNDER THIS CURVE

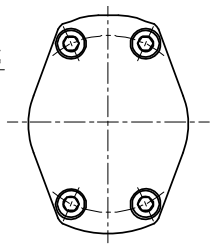
SE17A-2/S17-2 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

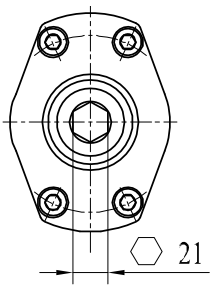


VIEW A OPTION

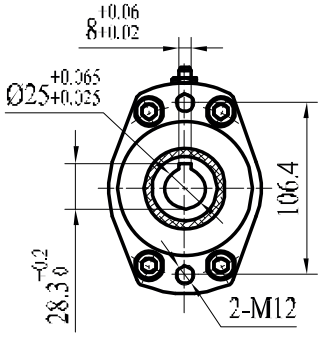
END CAP

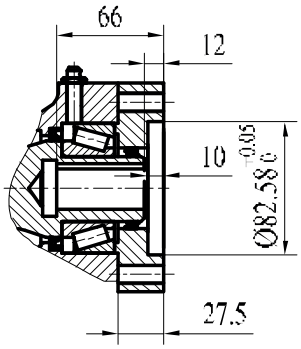


WITH HEX

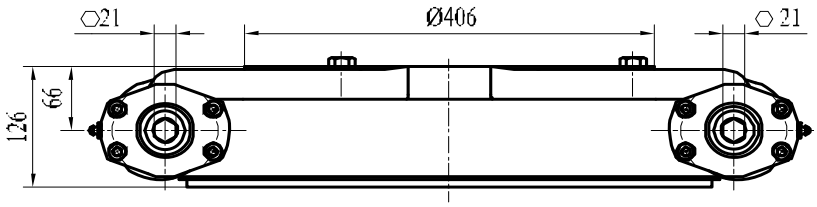


VIEW B OPTION

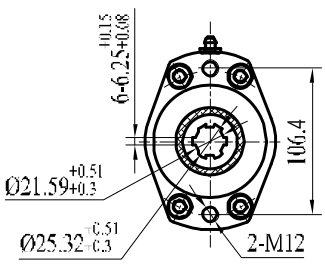


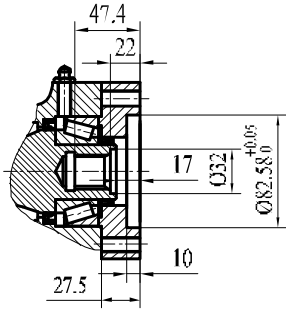


↑12, ↑14, ↑16, ↑20, ↑25

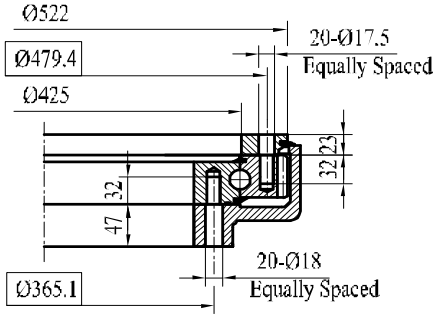


VIEW B OPTION





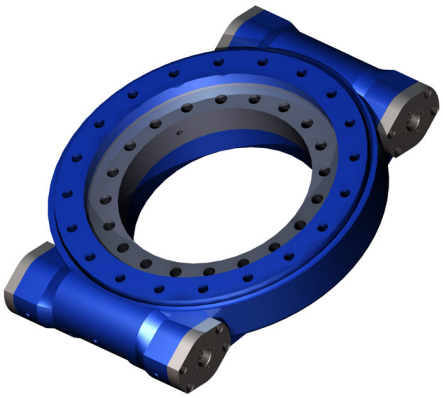
SECTION C
BLIND HOLE

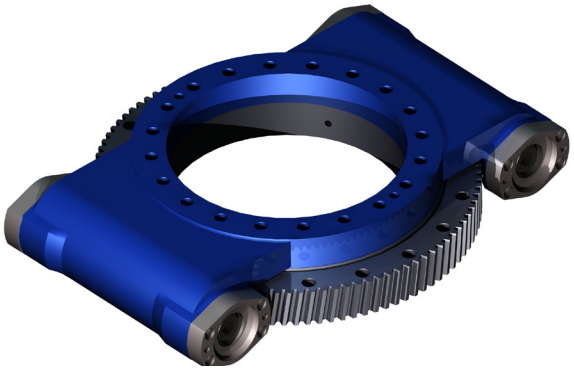


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

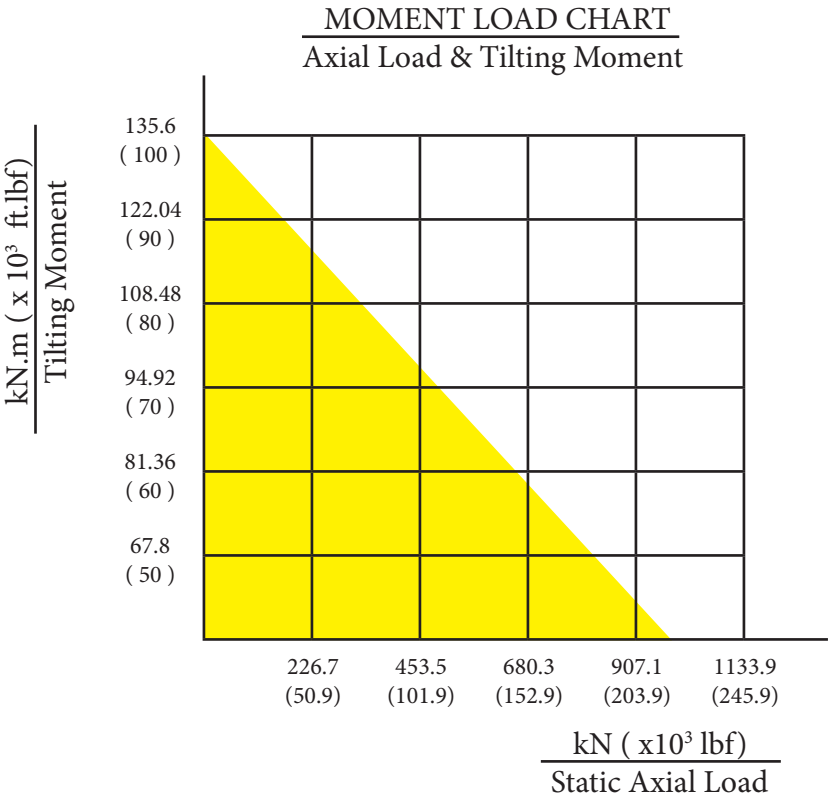
SE17A-2/S17-2 | Slewing Drive





SE17A-2/S17-2 | Slewing Drive Performance Parameters

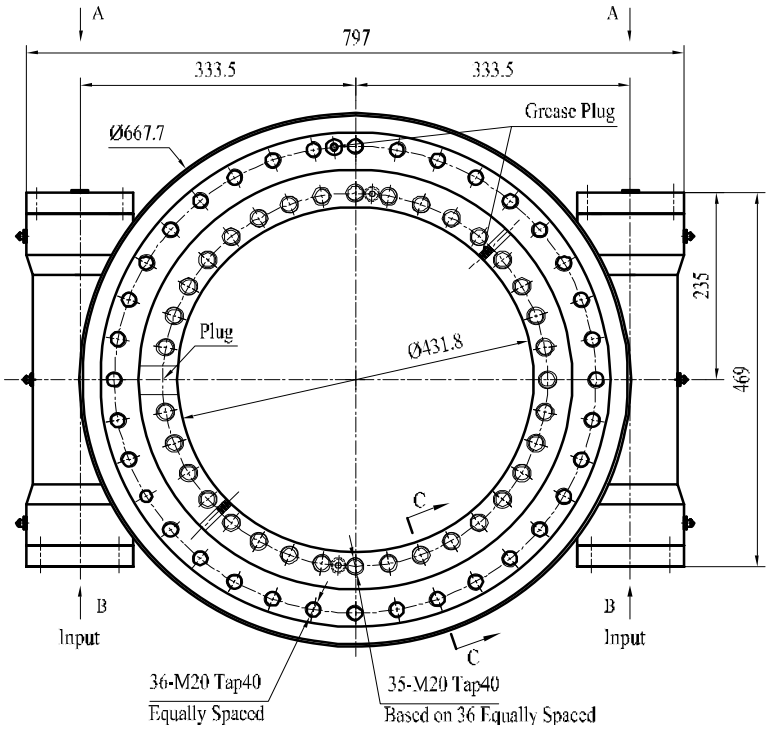
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE17A-2	16.8 kN.m	135.6 kN.m	122.9 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	≤ 0.15°	119 kg
	12390 ft.lbf	100 X 10^3 ft.lbf	90 X 10^3 ft.lbf	218 X 10^3 lbf	88 X 10^3 lbf	53 X 10^3 lbf	46 X 10^3 lbf			
S17-2	16.8 kN.m	135.6 kN.m	122.9 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	≤ 0.15°	102 kg
	12390 ft.lbf	100 X 10^3 ft.lbf	90 X 10^3 ft.lbf	218 X 10^3 lbf	88 X 10^3 lbf	53 X 10^3 lbf	46 X 10^3 lbf			



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

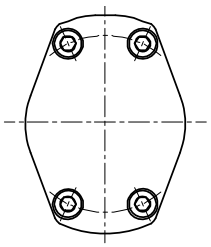
SE21-2/S21-2 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

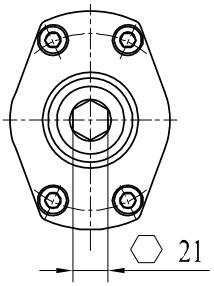


VIEW A OPTION

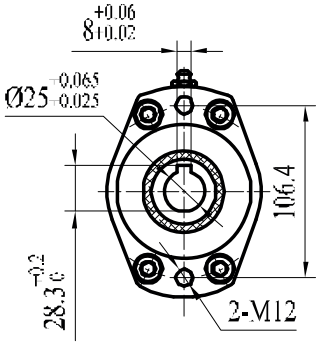
END CAP

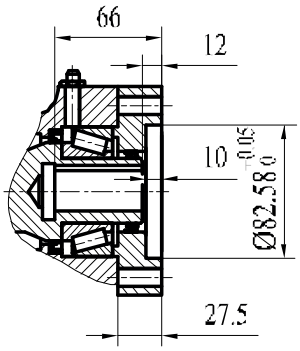


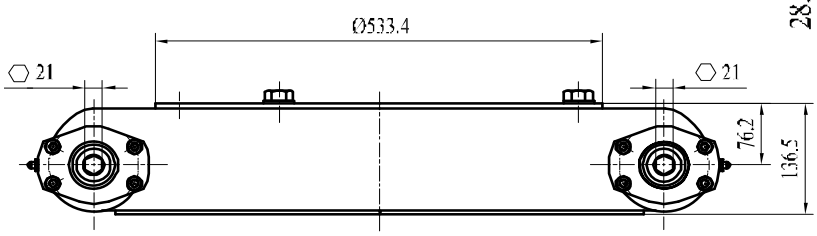
WITH HEX



VIEW B OPTION



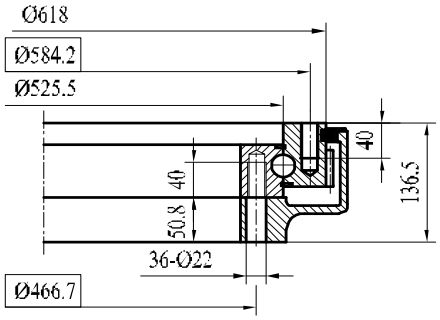


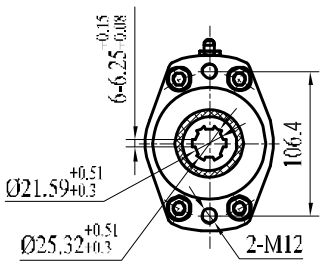


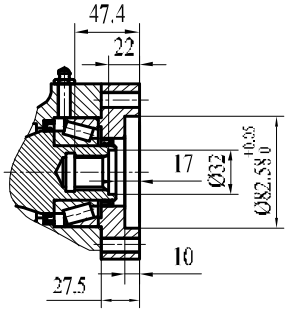
↑12, ↑14, ↑16, ↑20, ↑25

VIEW B OPTION

SECTION C
BLIND HOLE



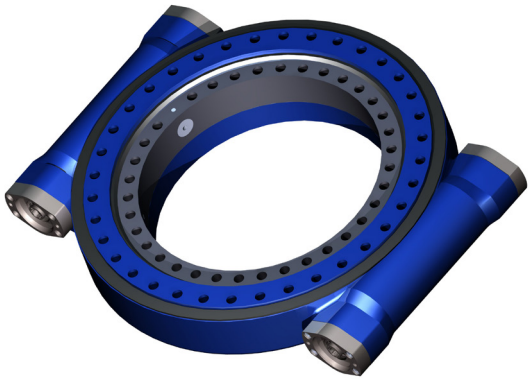


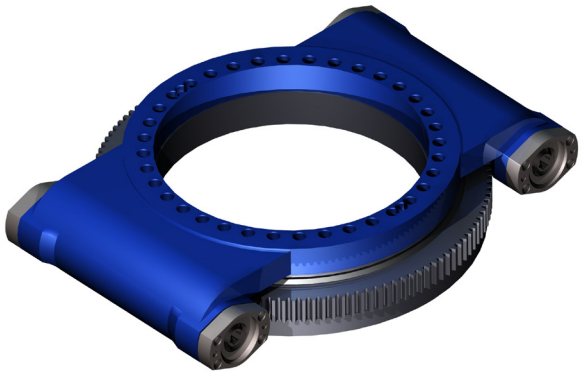


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

SE21-2/S21-2 | Slewing Drive

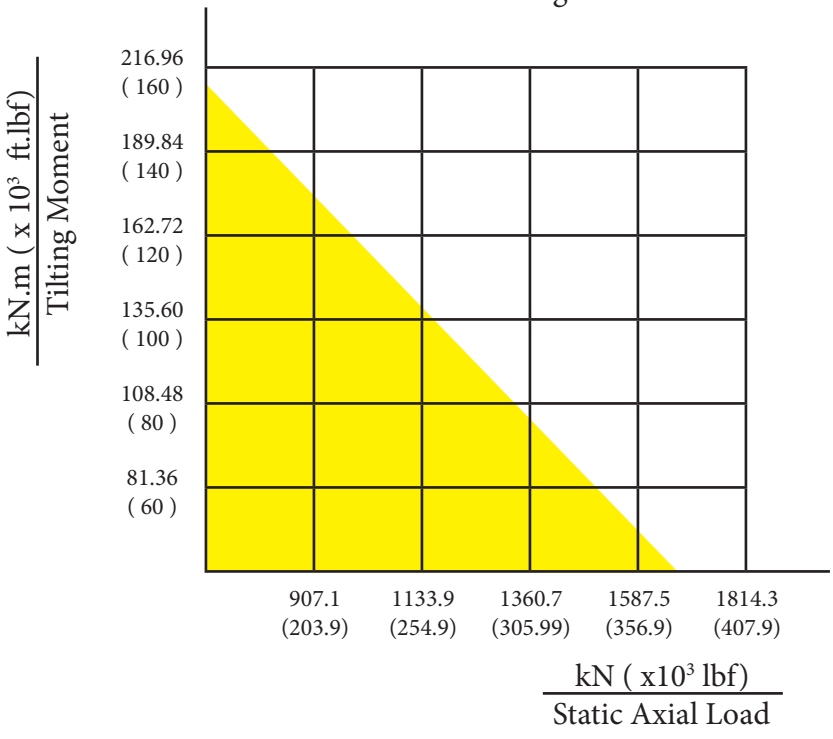




SE21-2/S21-2 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE21-2	20.6 kN.m	203 kN.m	179.9 kN.m	1598 kN	640 kN	385 kN	335 kN	125 : 1	≤ 0.15°	161 kg
	15194 ft.lbf	150 X 10^3 ft.lbf	132.6 X 10^3 ft.lbf	359 X 10^3 lbf	144 X 10^3 lbf	87 X 10^3 lbf	75 X 10^3 lbf			
S21-2	20.6 kN.m	203 kN.m	179.9 kN.m	1598 kN	640 kN	385 kN	335 kN	125 : 1	≤ 0.15°	143 kg
	15194 ft.lbf	150 X 10^3 ft.lbf	132.6 X 10^3 ft.lbf	359 X 10^3 lbf	144 X 10^3 lbf	87 X 10^3 lbf	75 X 10^3 lbf			

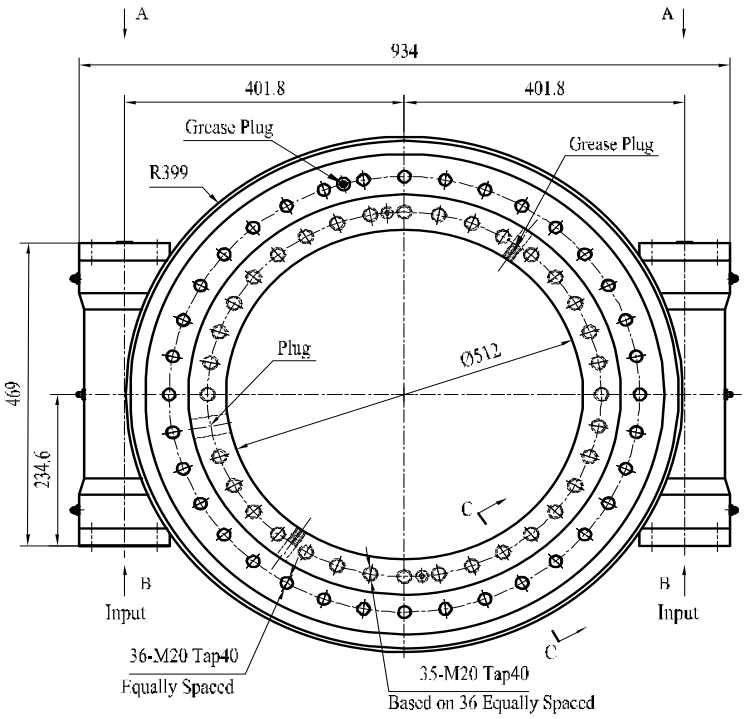
MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

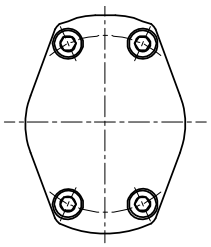
SE25-2/S25-2 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

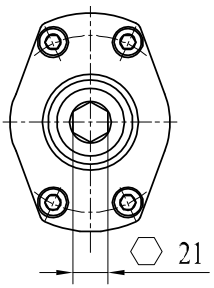


VIEW A OPTION

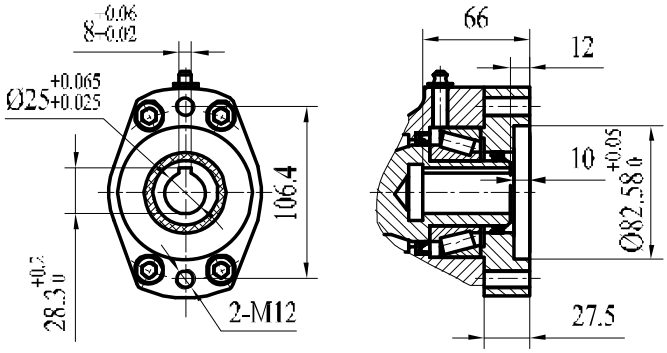
END CAP

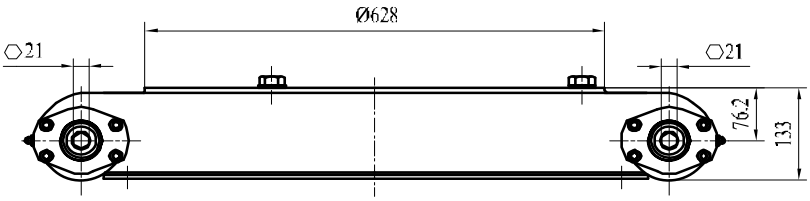


WITH HEX



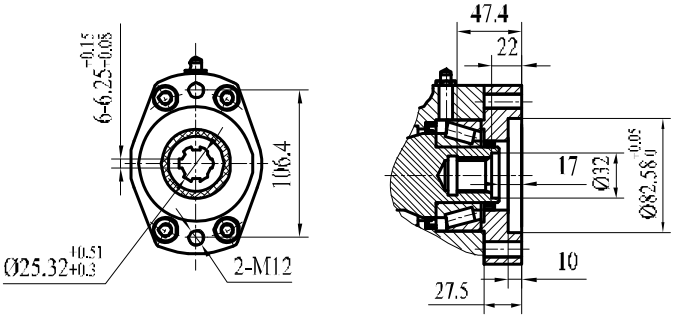
VIEW B OPTION



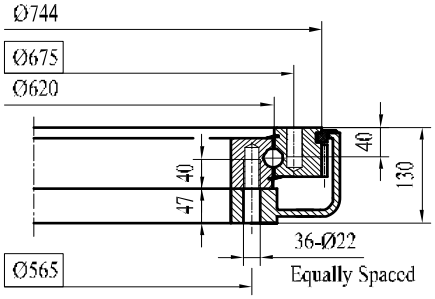


↑12, ↑14, ↑16, ↑20, ↑25

VIEW B OPTION



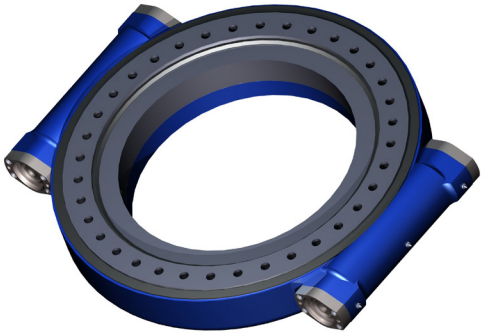
SECTION C
BLIND HOLE

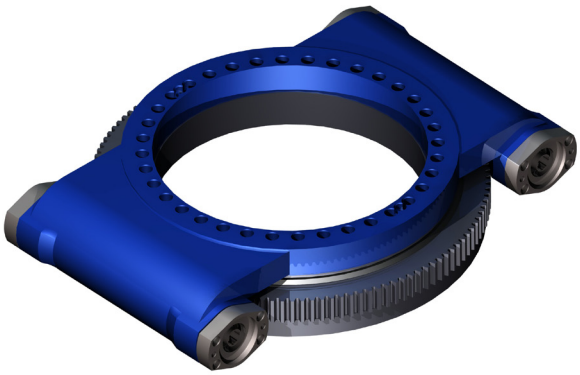


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

SE25-2/S25-2 | Slewing Drive

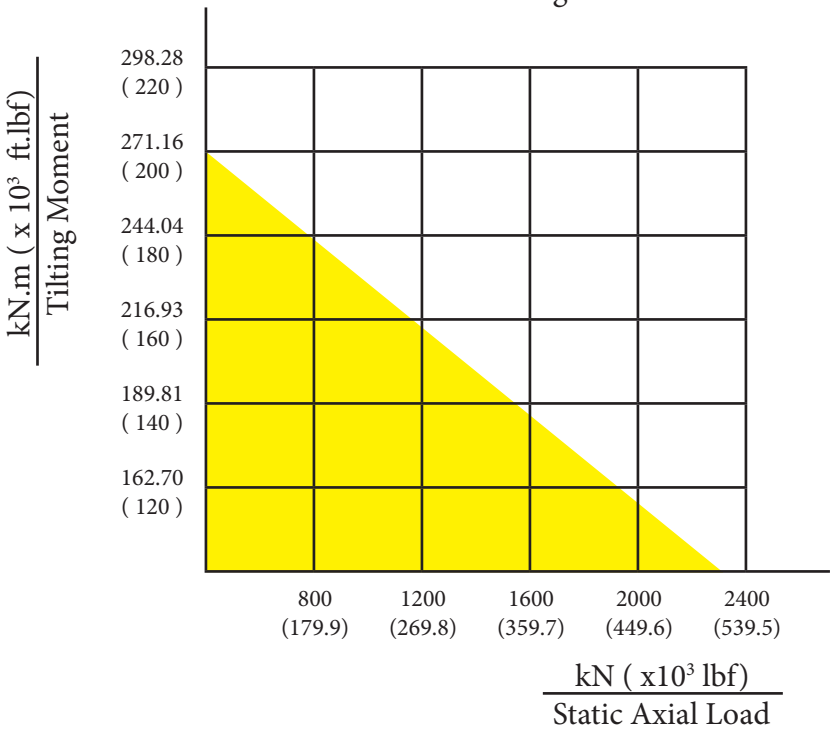




SE25-2/S25-2 | Slewing Drive Performance Parameters

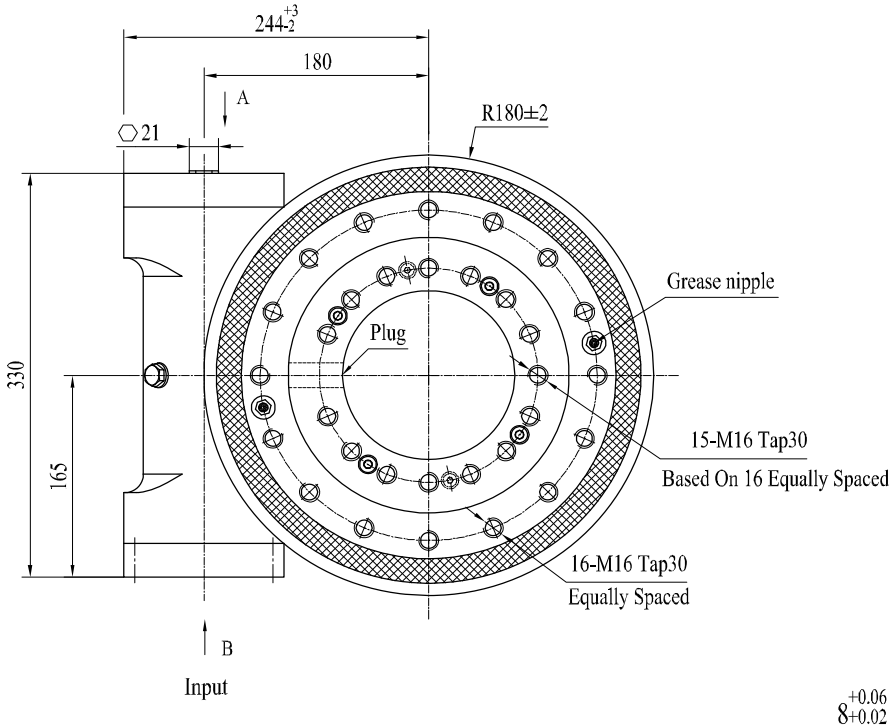
Data / Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
SE25-2	28 kN.m	271 kN.m	269.1 kN.m	2360 kN	945 kN	590 kN	470 kN	150 : 1	≤ 0.15°	222 kg
	20652 ft.lbf	200 X 10^3 ft.lbf	198.9 X 10^3 ft.lbf	531 X 10^3 lbf	212 X 10^3 lbf	133 X 10^3 lbf	106 X 10^3 lbf			
S25-2	28 kN.m	271 kN.m	269.1 kN.m	2360 kN	945 kN	590 kN	470 kN	150 : 1	≤ 0.15°	202 kg
	20652 ft.lbf	200 X 10^3 ft.lbf	198.9 X 10^3 ft.lbf	531 X 10^3 lbf	212 X 10^3 lbf	133 X 10^3 lbf	106 X 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

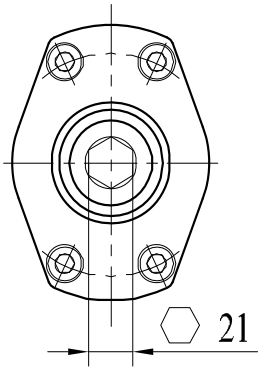
HSE9 | Slewing Drive



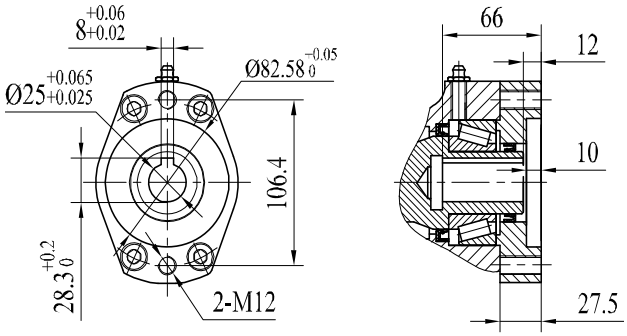
53 kg

VIEW A OPTION

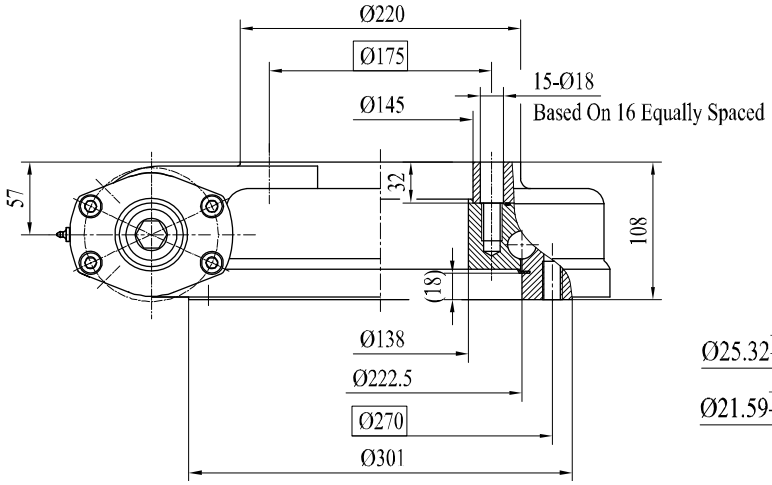
WITH HEX

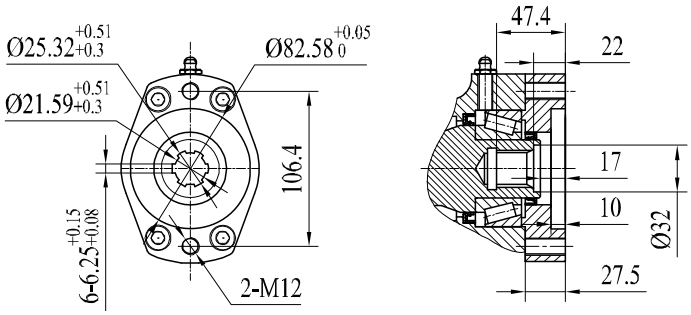


VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25

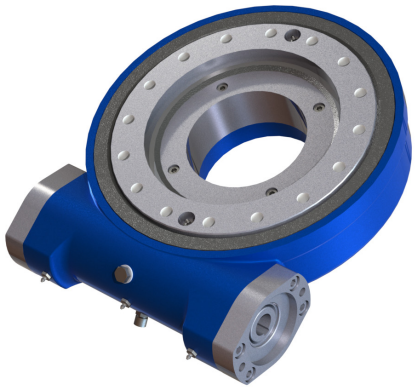


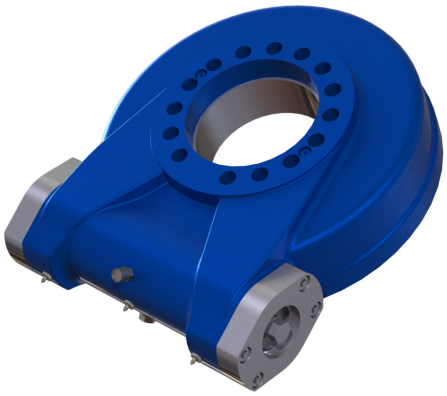


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

HSE9 | Slewing Drive

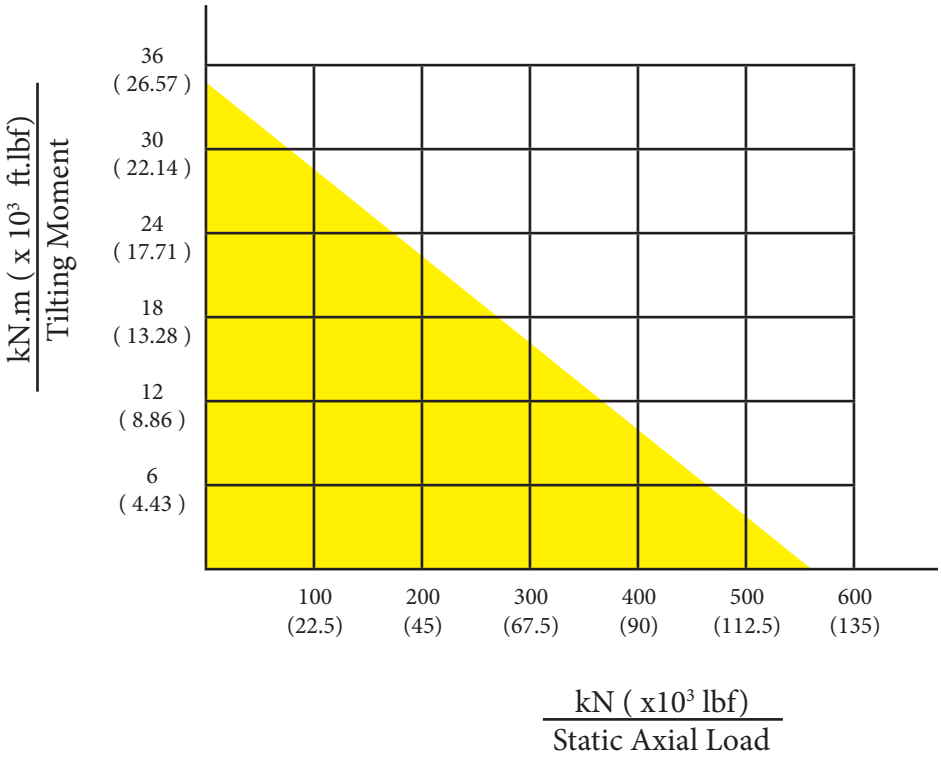




HSE9 | Slewing Drive Performance Parameters

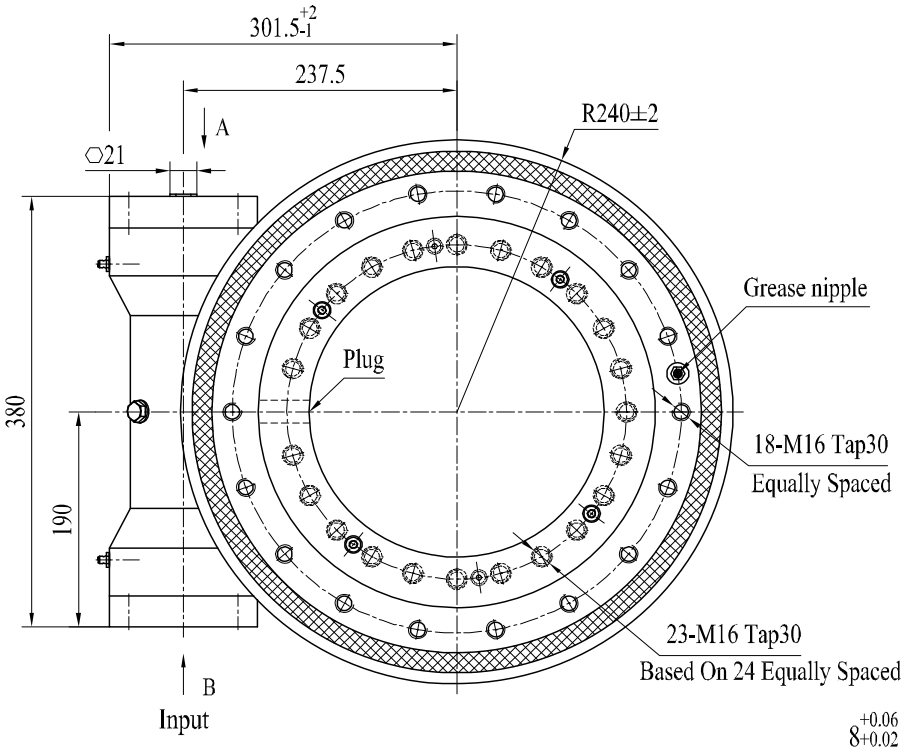
Data / Model	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSE9	9 kN.m	10.8 kN.m	35.6 kN.m	578 kN	215 kN	136 kN	115 kN	62 : 1	≤ 0.15°	53 kg
	6642 ft.lbf	7970.4 ft.lbf	26.3 x 10^3 ft.lbf	129.9 x 10^3 lbf	48.3 x 10^3 lbf	30.6 x 10^3 lbf	25.9 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

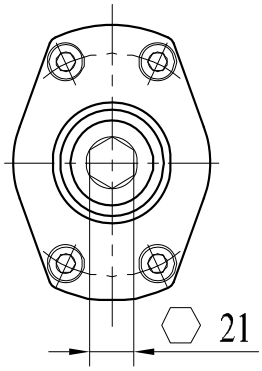
HSE14 | Slewing Drive



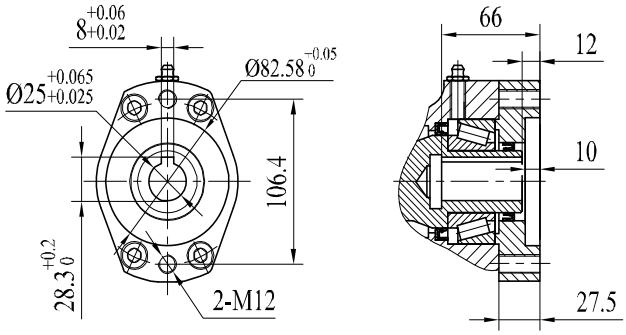
79.5 kg

VIEW A OPTION

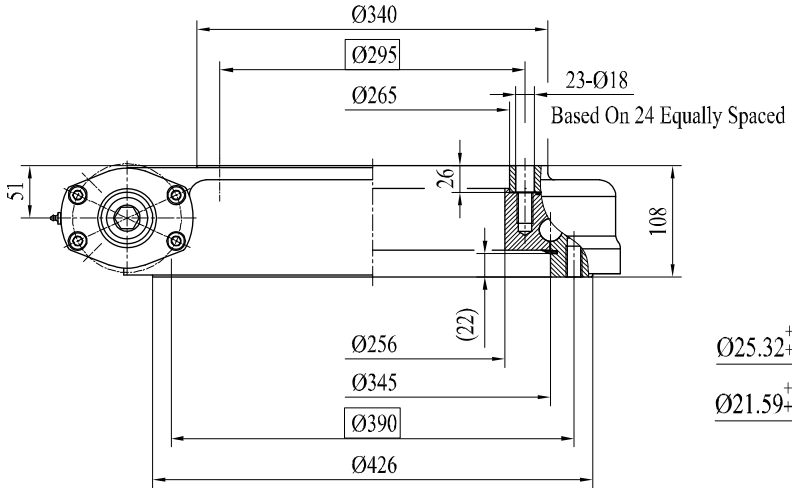
WITH HEX

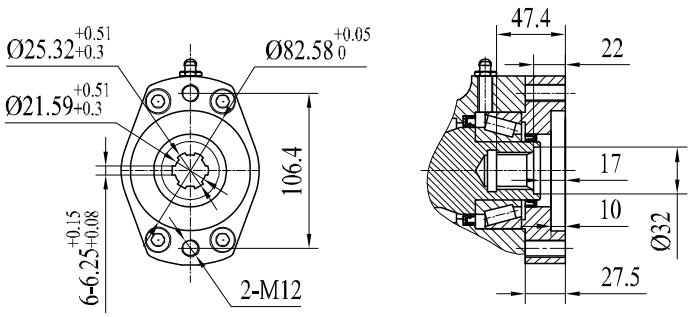


VIEW B OPTION



↑12, ↑14, ↑16, ↑20, ↑25

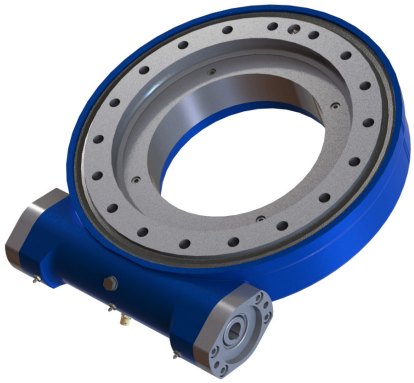


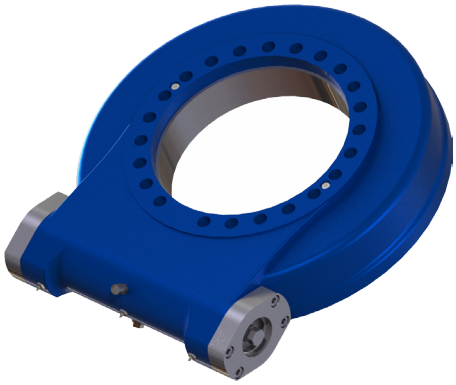


SAE 6B SPLINE

Cone Drive reserves the right to improve or change product design and specifications without notice.

HSE14 | Slewing Drive

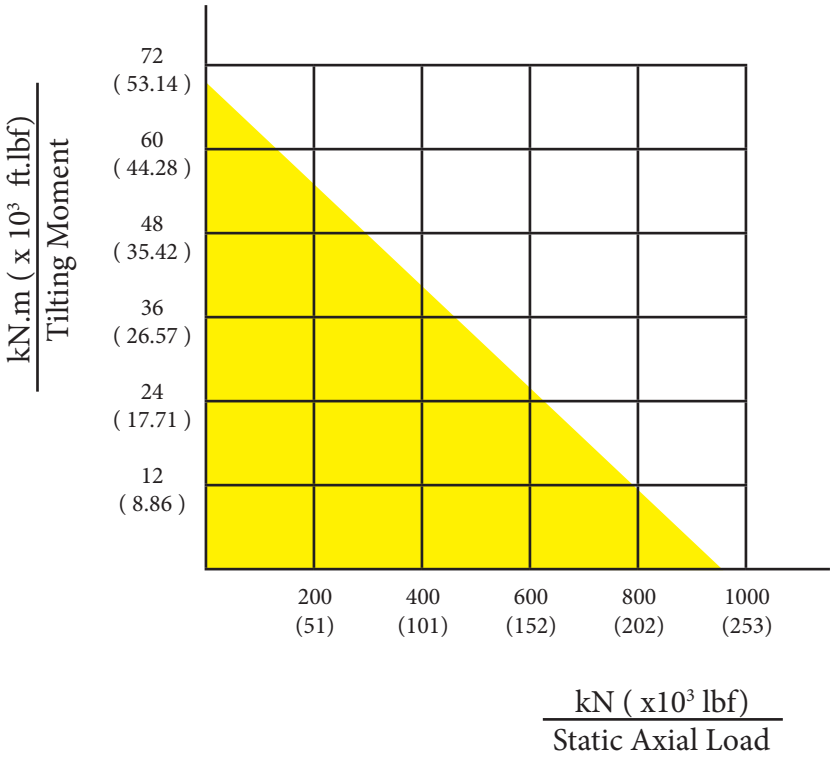




HSE14 | Slew Drive Performance Parameters

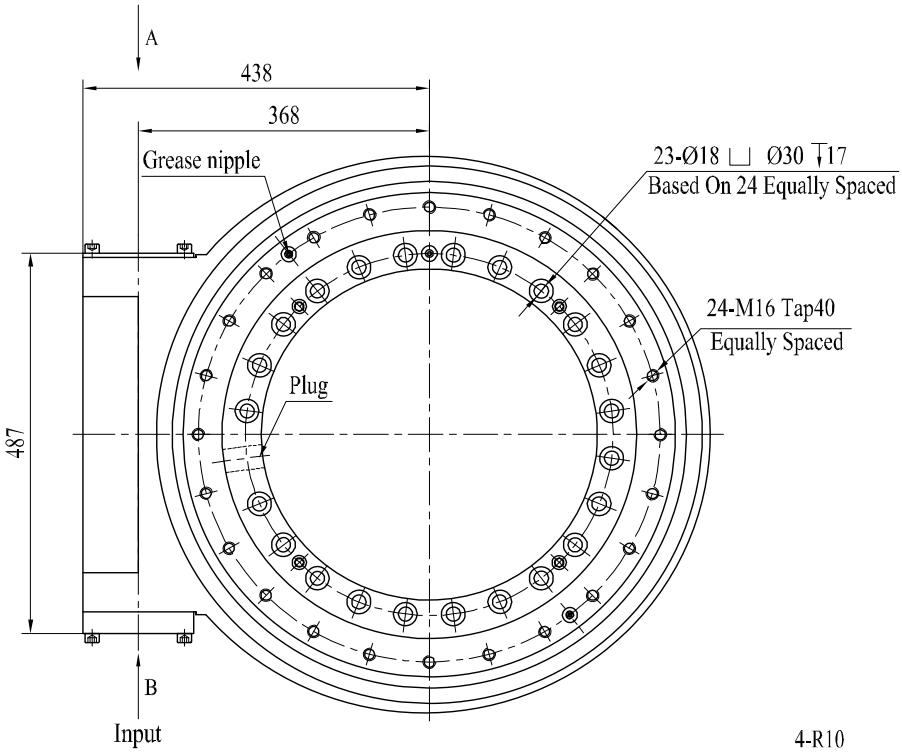
Data / Model	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSE14	12 kN.m	14.4 kN.m	71.2 kN.m	960 kN	360 kN	230 kN	200 kN	86 : 1	≤ 0.13°	79.5 kg
	8856 ft.lbf	10627.2 ft.lbf	52.6 x 10^3 ft.lbf	215.8 x 10^3 lbf	80.9 x 10^3 lbf	51.7 x 10^3 lbf	44.9 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

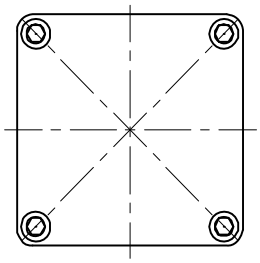
HSE21 | Slewing Drive



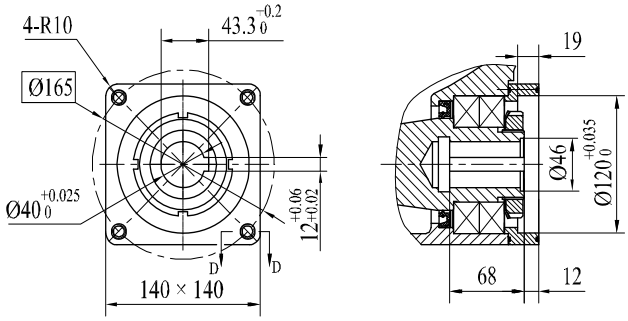
186 kg

VIEW A OPTION

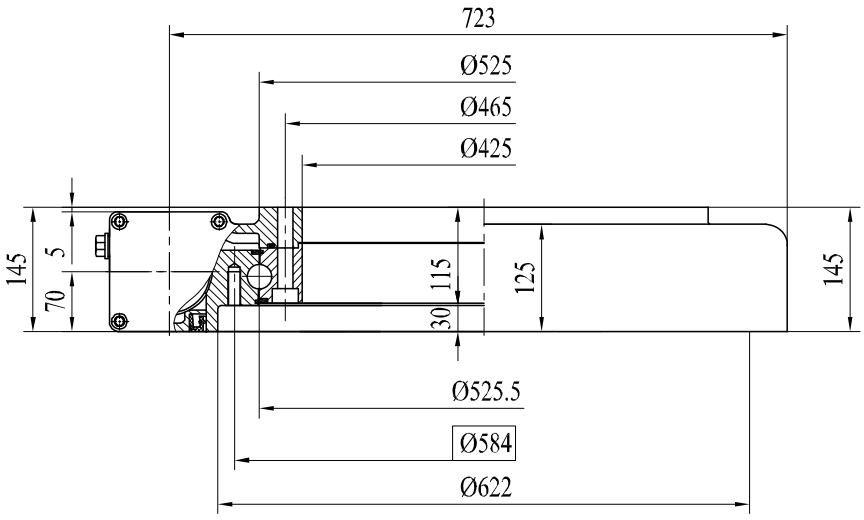
END CAP



VIEW B OPTION

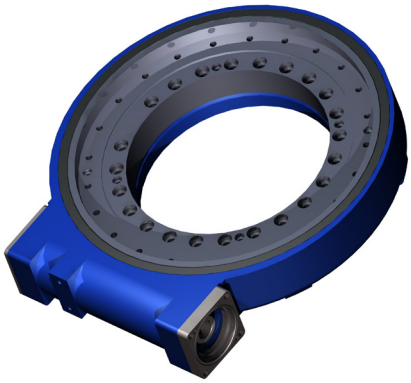


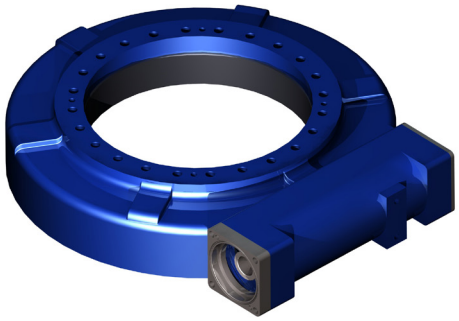
↑40



Cone Drive reserves the right to improve or change product design and specifications without notice.

HSE21 | Slewing Drive

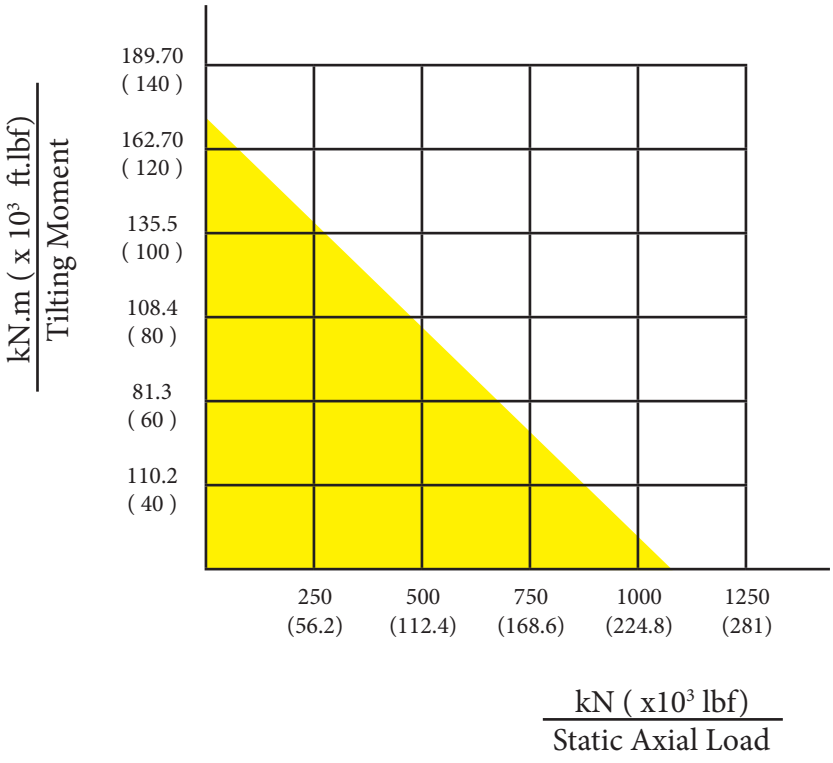




HSE21 | Slewing Drive Performance Parameters

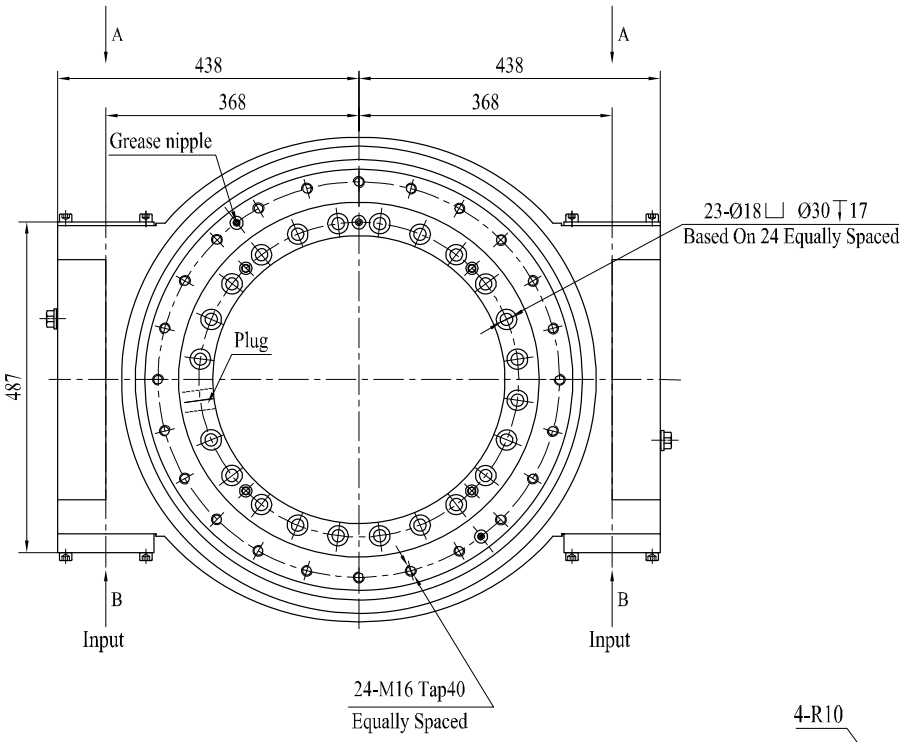
Data / Model	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSE21	21.8 kN.m	26.6 kN.m	167 kN.m	1058 kN	421 kN	265 kN	216 kN	82 : 1	≤ 0.15°	186 kg
	16078 ft.lbf	19.6 x 10^3 ft.lbf	125 x 10^3 ft.lbf	238 x 10^3 lbf	95 x 10^3 lbf	60 x 10^3 lbf	49 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

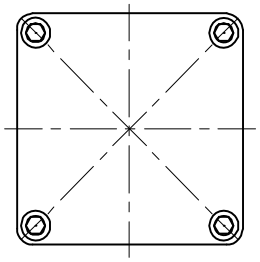
HSE21-2 | Slewing Drive



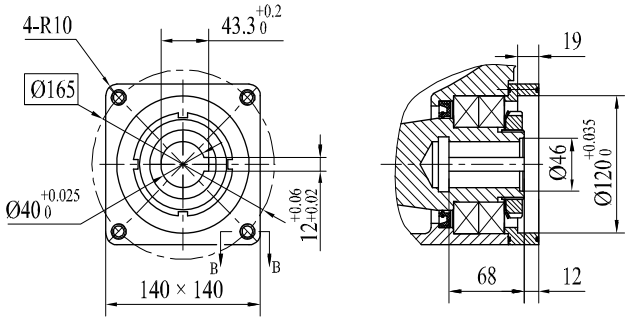
206 kg

VIEW A OPTION

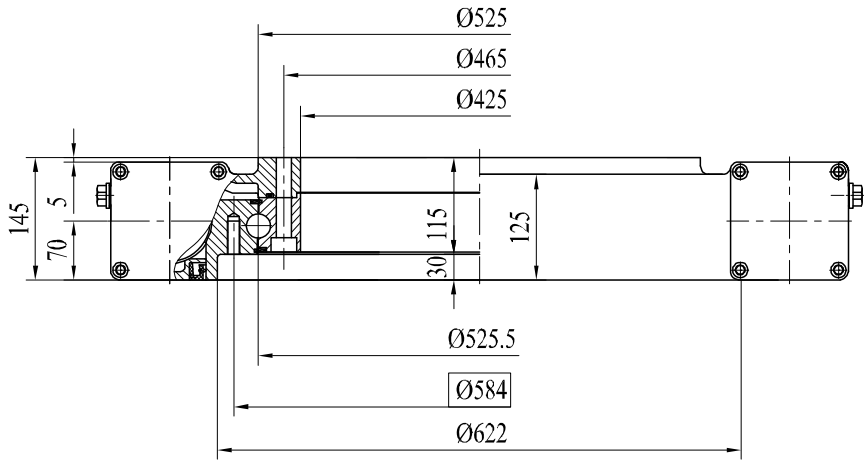
END CAP



VIEW B OPTION

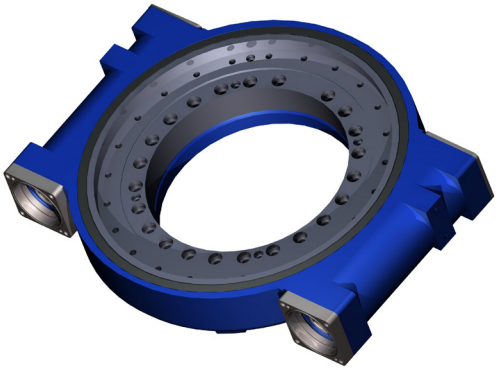


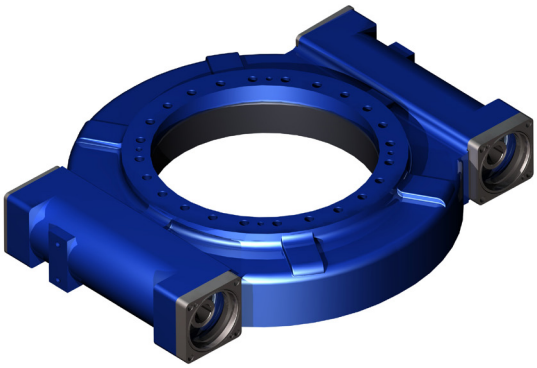
↑40



Cone Drive reserves the right to improve or change product design and specifications without notice.

HSE21-2 | Slewing Drive

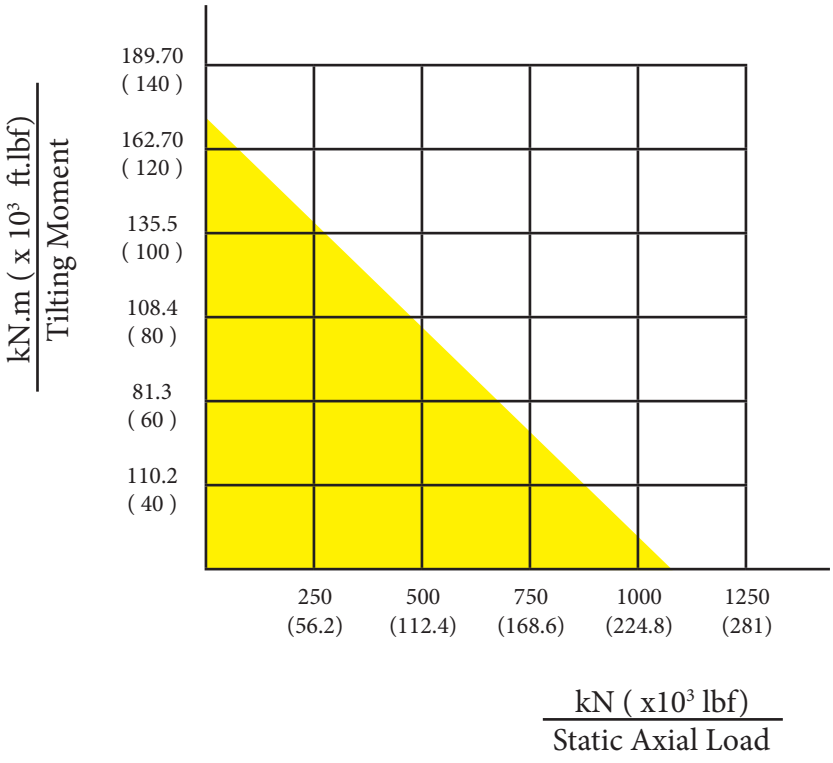




HSE21-2 | Slewing Drive Performance Parameters

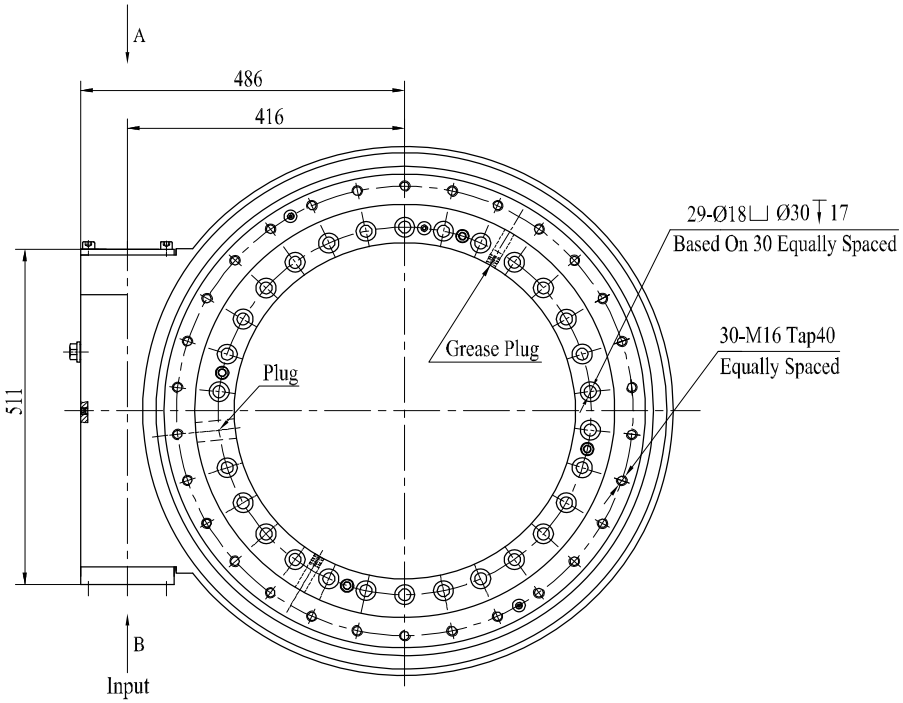
Data / Model	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSE21-2	43.6 kN.m	52.3 kN.m	167 kN.m	1058 kN	421 kN	265 kN	216 kN	82 : 1	≤ 0.15°	206 kg
	32264 ft.lbf	38.7 x 10^3 ft.lbf	125 x 10^3 ft.lbf	238 x 10^3 lbf	95 x 10^3 lbf	60 x 10^3 lbf	49 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

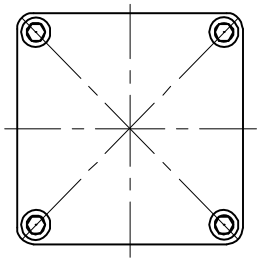
HSE25 | Slewing Drive



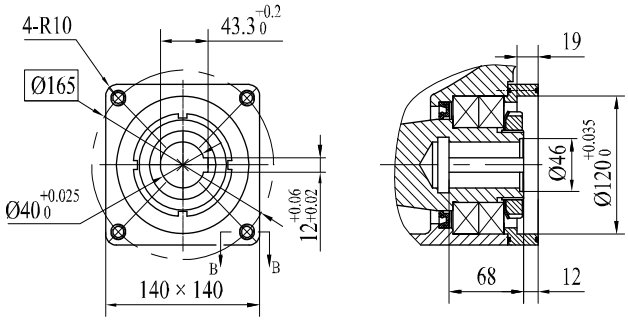
255 kg

VIEW A OPTION

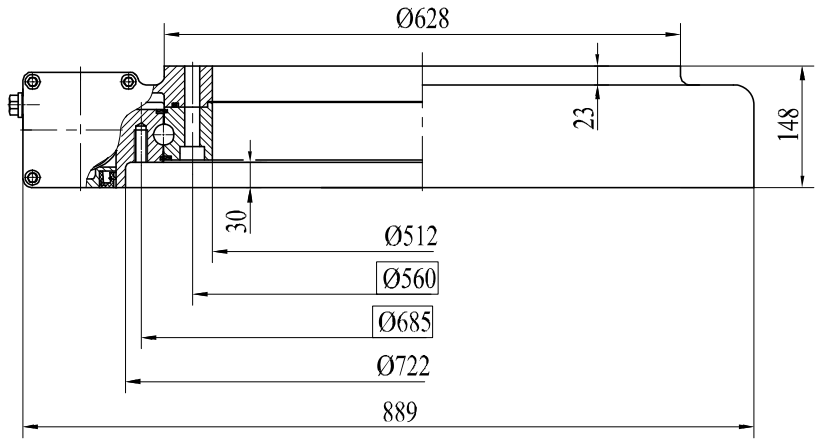
END CAP



VIEW B OPTION

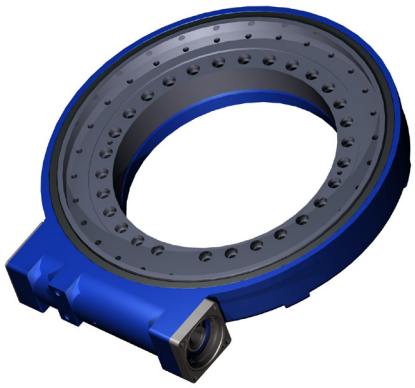


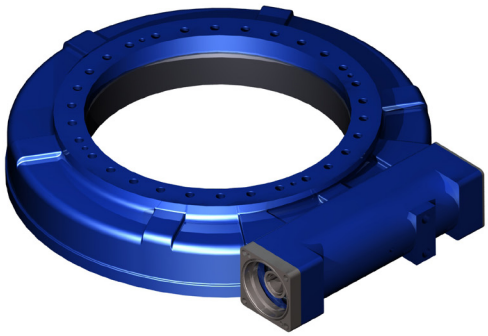
↑40



Cone Drive reserves the right to improve or change product design and specifications without notice.

HSE25 | Slewing Drive

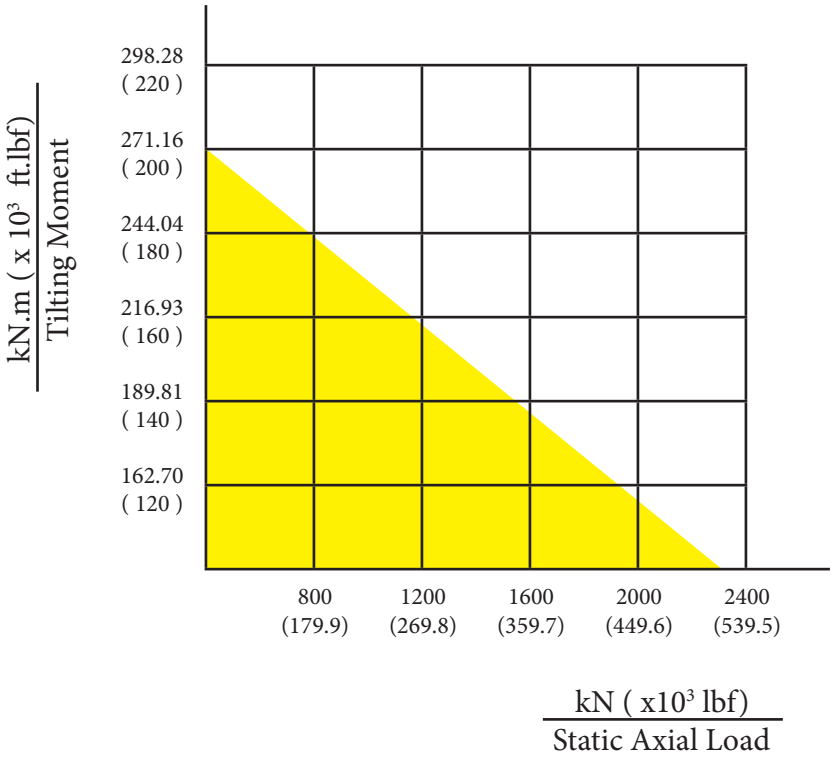




HSE25 | Slewing Drive Performance Parameters

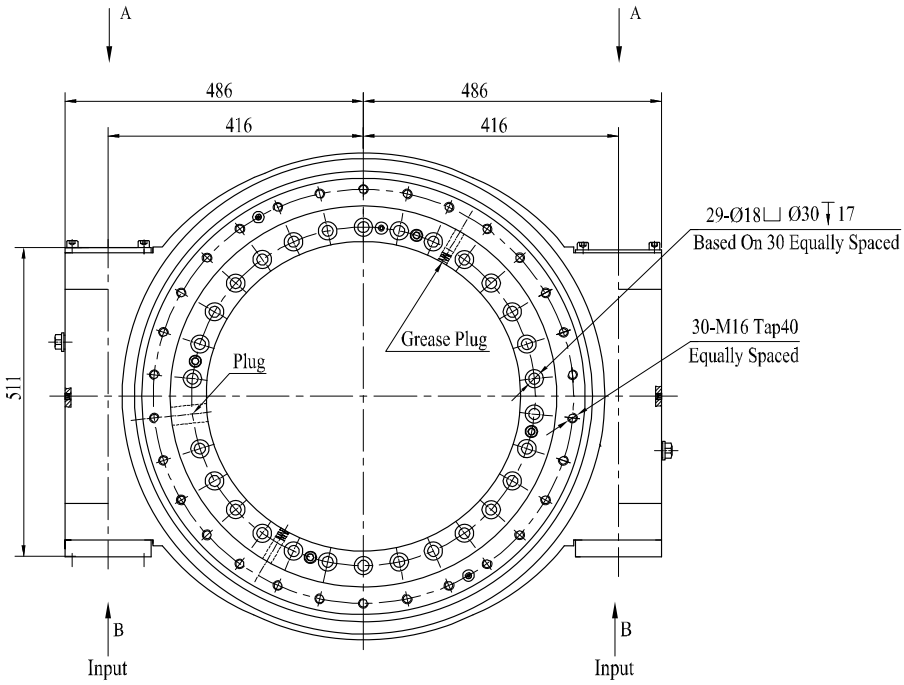
Data / Model	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSE25	25 kN.m	30 kN.m	271 kN.m	2360 kN	945 kN	590 kN	470 kN	94 : 1	≤ 0.15°	255 kg
	18439 ft.lbf	22.1 x 10^3 ft.lbf	200 x 10^3 ft.lbf	531 x 10^3 lbf	212 x 10^3 lbf	133 x 10^3 lbf	106 x 10^3 lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

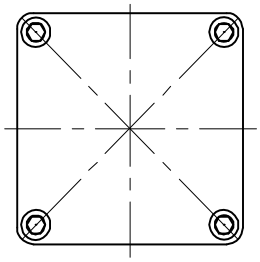
HSE25-2 | Slewing Drive



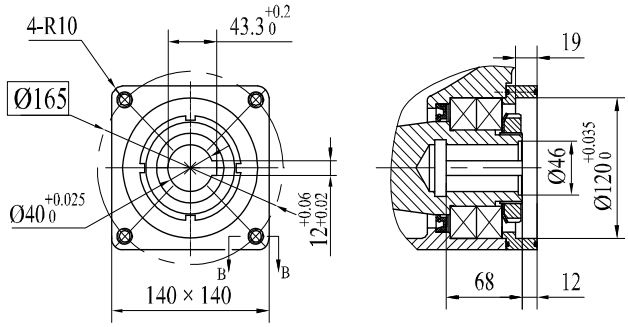
275 kg

VIEW A OPTION

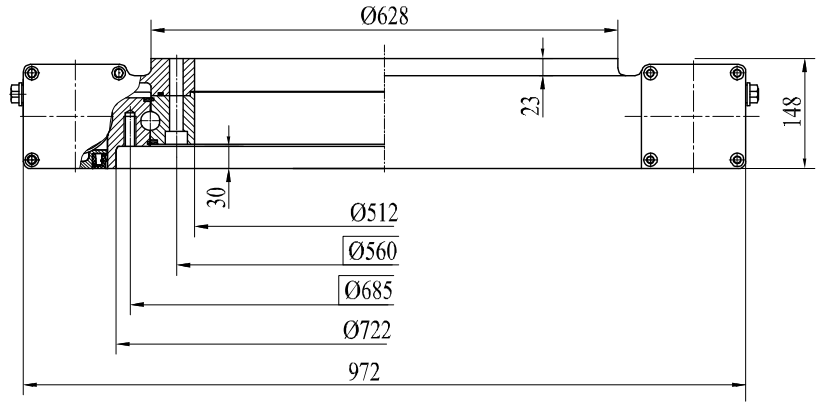
END CAP



VIEW B OPTION

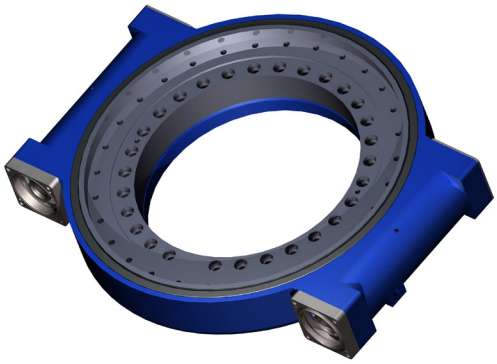


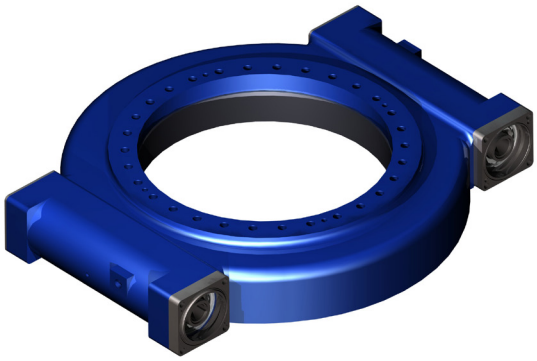
↑40



Cone Drive reserves the right to improve or change product design and specifications without notice.

HSE25-2 | Slewing Drive

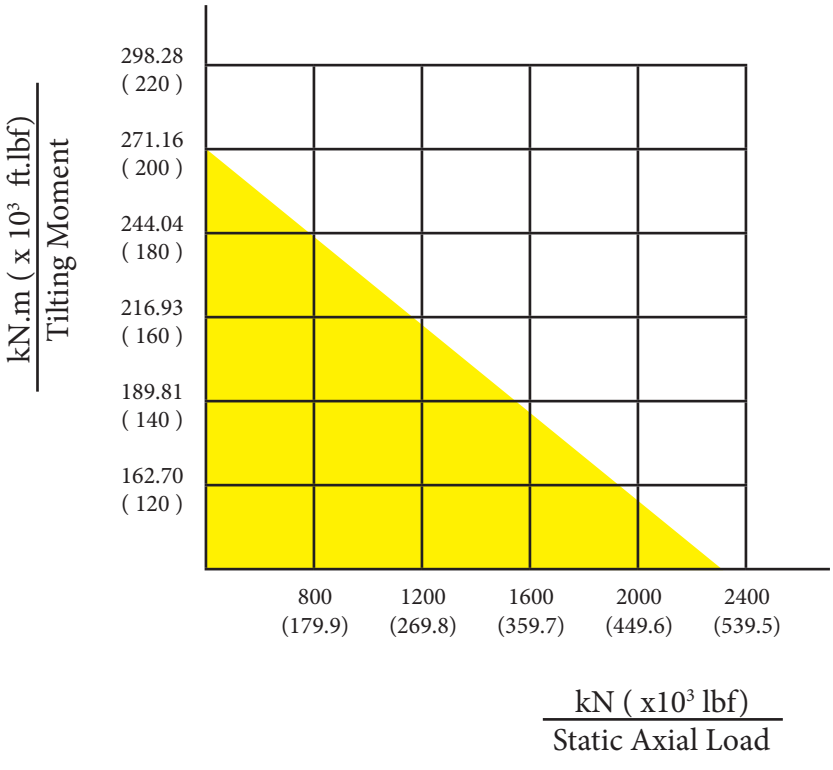




HSE25-2 | Slewing Drive Performance Parameters

Data / Model	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSE25-2	50 kN.m	60 kN.m	271 kN.m	2360 kN	945 kN	590 kN	470 kN	94 : 1	≤ 0.15°	275 kg
	36878 ft.lbf	44.3 x 10^3 ft.lbf	200 x 10^3 ft.lbf	531 x 10^3 lbf	212 x 10^3 lbf	133 x 10^3 lbf	106 x 10^3 lbf			

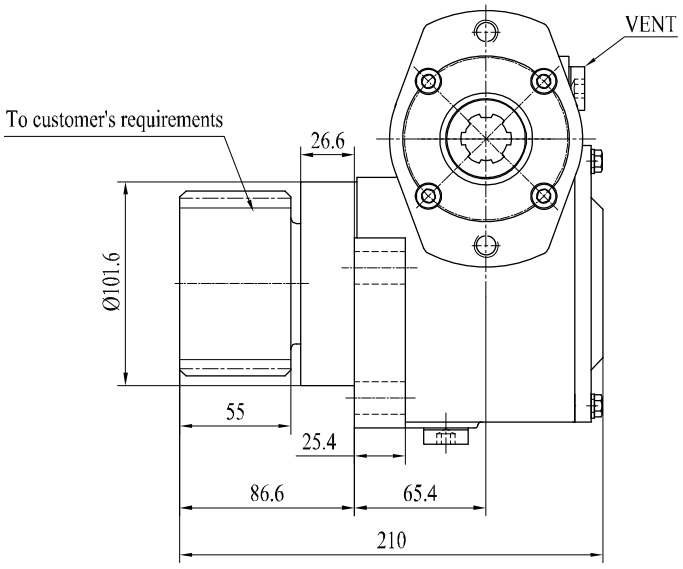
MOMENT LOAD CHART
Axial Load & Tilting Moment

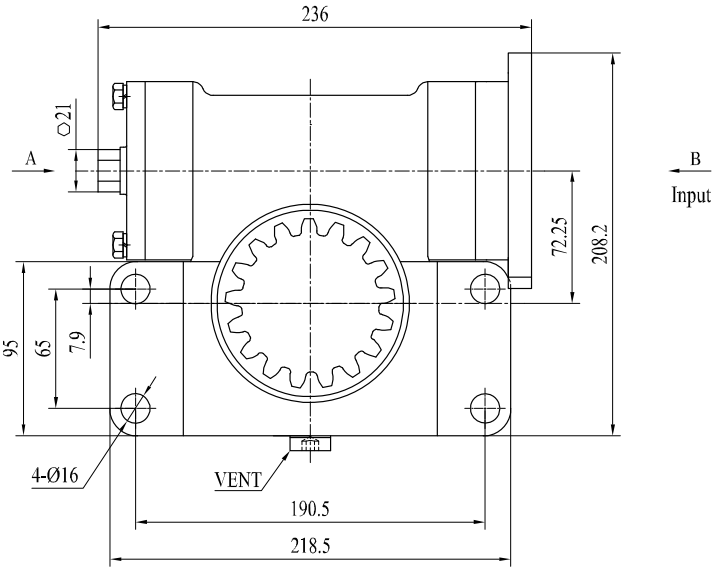


NOTICE:
PLEASE BE SURE TO REMAIN UNDER THIS CURVE

R72 | Rotation Drive

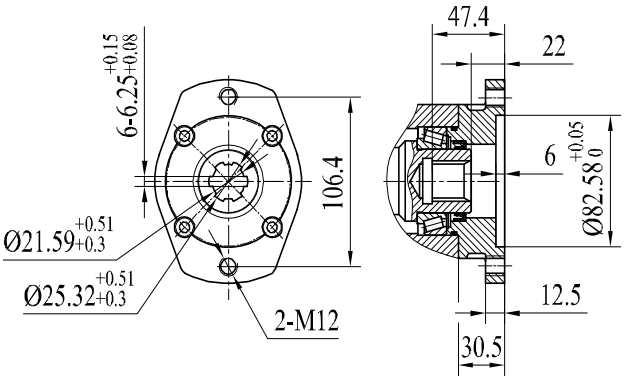
UNITS : mm
1 inch = 25.4 mm

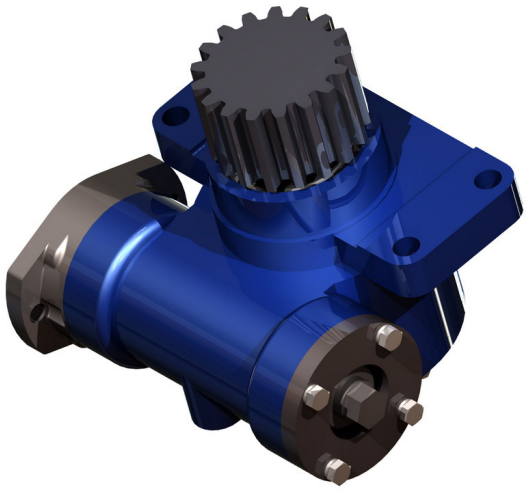




23 kg

VIEW B OPTION





6B SPLINE ↑12, ↑14, ↑16, ↑20, ↑25

Rotation Drive Performance Parameters

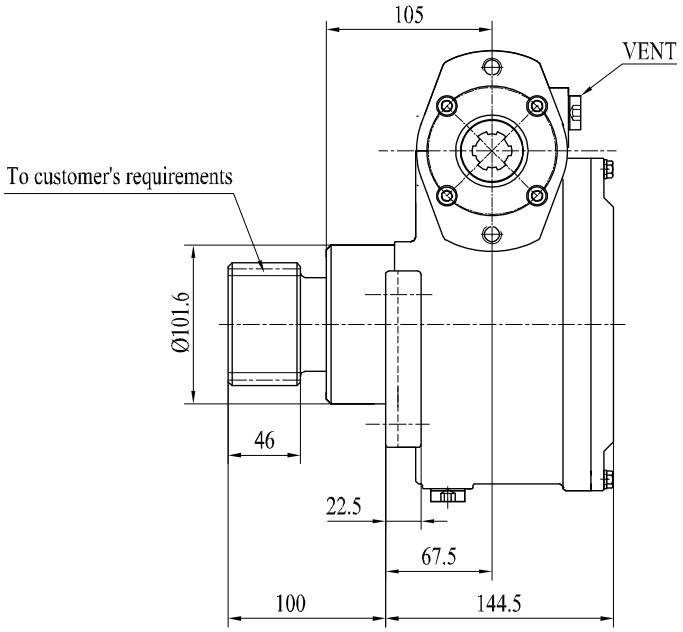
Data / Model	Output Torque	Gear Ratio	Weight
R72	900 N.m	30 : 1	23 kg
	665 lbf.ft		

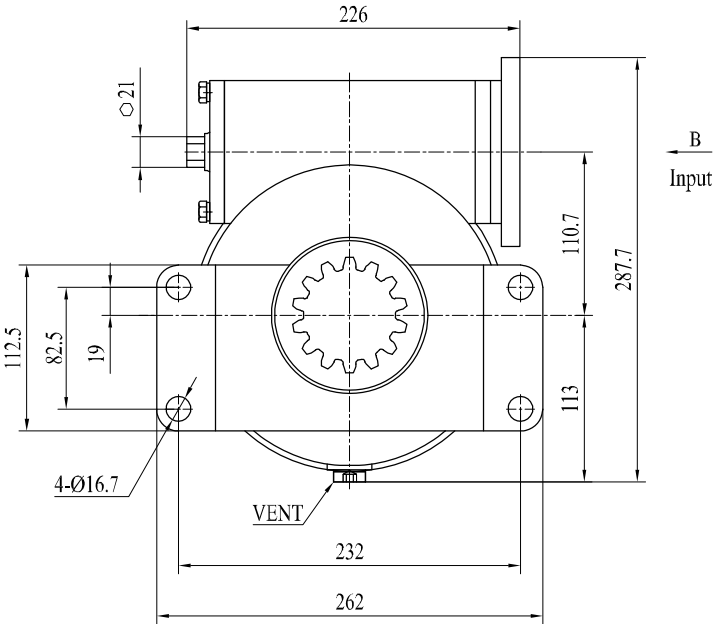
NOTICE:
This drawing is just for your reference
The drawing is subject to change due to new design without prior notice

Cone Drive reserves the right to improve or change product design and specifications without notice.

R110 | Rotation Drive

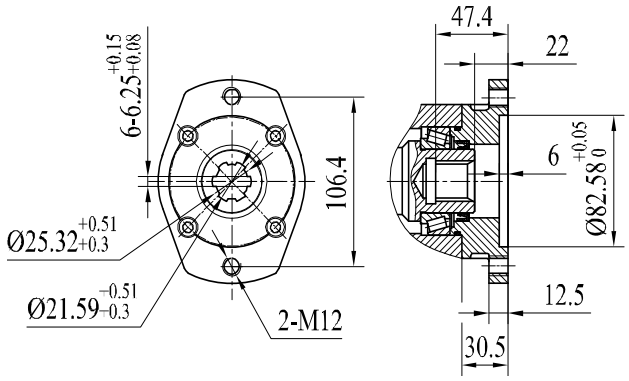
UNITS : mm
1 inch = 25.4 mm

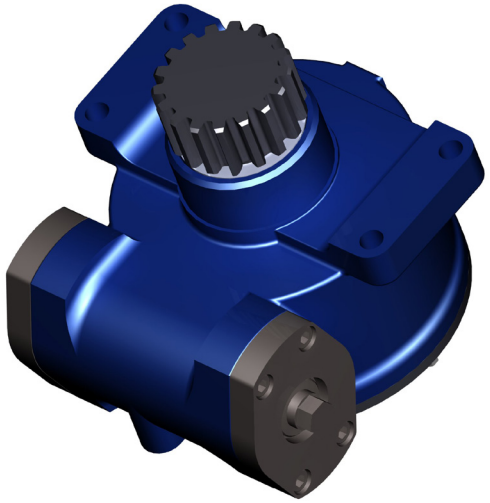




38 kg

VIEW B OPTION





6B SPLINE ↑12, ↑14, ↑16, ↑20, ↑25

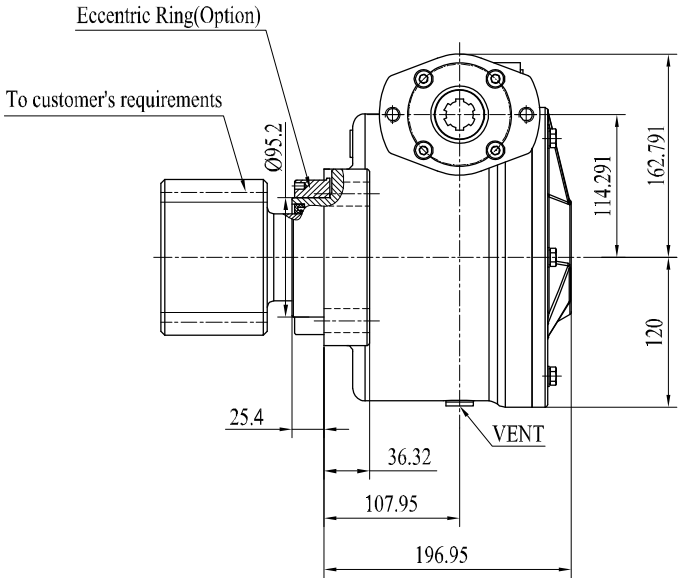
Rotation Drive Performance Parameters

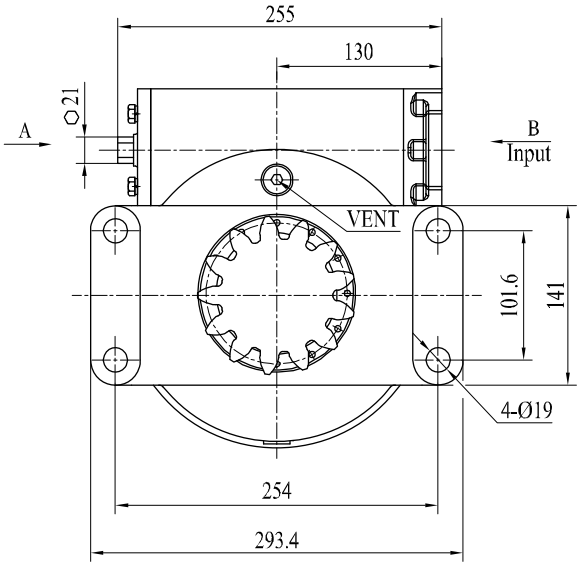
Data / Model	Output Torque	Gear Ratio	Weight
R110	1600 N.m	39 : 1	38 kg
	1180.8 lbf.ft		

NOTICE:
This drawing is just for your reference
The drawing is subject to change due to new design without prior notice

R114 | Rotation Drive

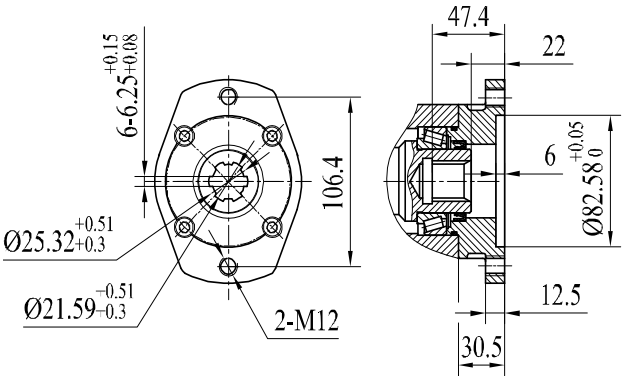
UNITS : mm
1 inch = 25.4 mm





52 kg

VIEW B OPTION



6B SPLINE ↑12, ↑14, ↑16, ↑20, ↑25

Rotation Drive Performance Parameters

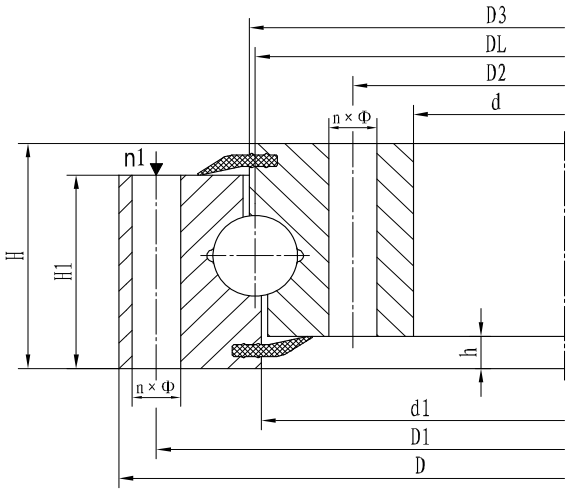
Data / Model	Output Torque	Gear Ratio	Weight
R114	2823 N.m	44 : 1	52 kg
	2083.4 lbf.ft		

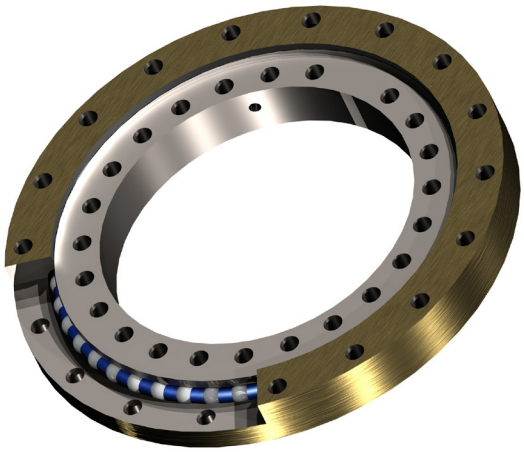
NOTICE:
This drawing is just for your reference
The drawing is subject to change due to new design without prior notice

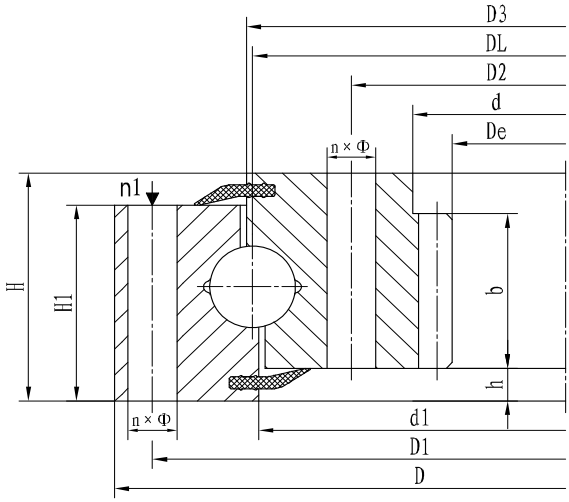
Cone Drive reserves the right to improve or change product design and specifications without notice.

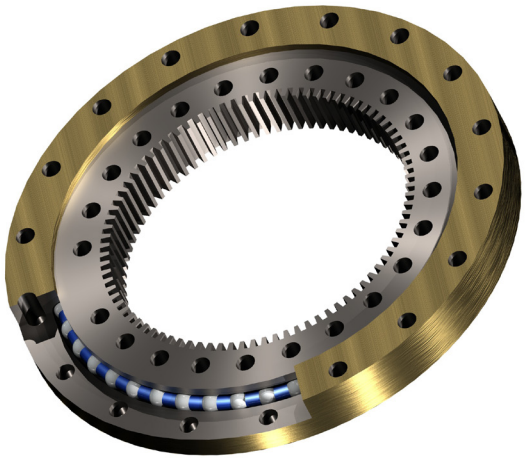
JB-T2300-1999 | Slewing Ring

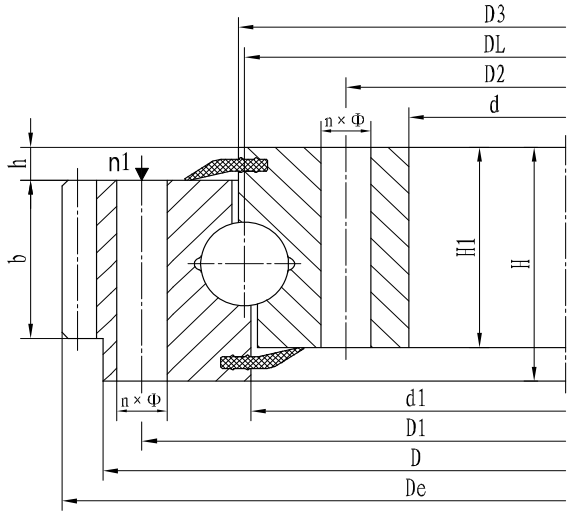
Single-row four point contact ball

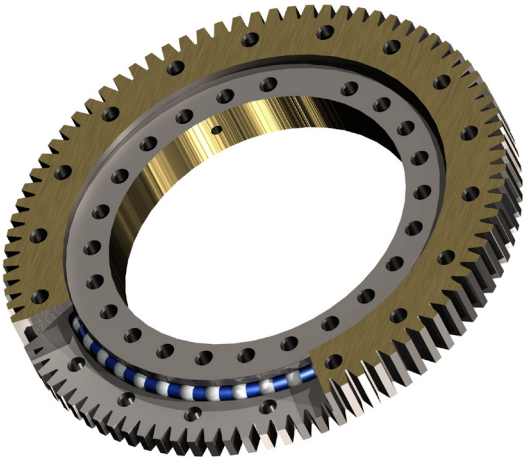












Slewing bearing size and gear parameters

Sl No.	Without Teeth DL	Outer Teeth DL	Inner Teeth DL	D	d	H	D1	D2	n	↑	Grease Nipple No. (n1)	D3	d1	H1	h	b	Deflection(x)	MOD (x)	D3	Teeth No. (z)
1	010.20.200	011.20.200	013.20.200	280	120	60	248	152	12	16/ M14	2	201	199	50	10	40		3	300	98
2	010.20.224	011.20.224	013.20.224	304	144		272	176				225	223						312	105
3	010.20.250	011.20.250	013.20.250	330	170		298	202	18			251	249					4	352	86
4	010.22.280	011.22.280	013.22.280	360	200		328	232				281	279						348	94
5	010.25.315	011.25.315	013.25.315	408	222	70	372	258	20	18/ M16		316	314	60		50		5	435	85
6	010.25.355	011.25.355	013.25.355	448	262		412	298				356	354						475	93
7	010.25.400	011.25.400	13.20.400	493	307		457	343	24			401	399					6	528	86
8	010.25.450	011.25.450	013.25.450	543	357		507	393				451	449						576	94
9	010.30.500	011.30.500	013.30.500	602	398	80	566	434	20	18	4	501	498	70	10	60	0.5	5	629	123
10		012.30.500	014.30.500							M16								6	628.8	102
11	010.25.500	011.25.500	013.25.500	602	398	80	566	434	20	18	4	501	499	70	10	60	0.5	5	629	123
12		012.25.500	014.25.500							M16								6	628.8	102
13	010.30.560	011.30.560	013.30.560	662	458	80	626	494	20	18	4	561	558	70	10	60	0.5	5	689	135
14		012.30.560	014.30.560							M16								6	688.8	112
15	010.25.560	011.25.560	013.25.560	662	458	80	626	494	20	18	4	561	559	70	10	60	0.5	5	689	135
16		012.25.560	014.25.560							M16								6	688.8	112
17	010.30.630	011.30.630	013.30.630	732	528	80	696	564	24	18	4	631	628	70	10	60	0.5	6	722.8	126
18		012.30.630	014.30.630							M16								8	774.4	94
19	010.25.630	011.25.630	013.25.630	732	528	80	696	564	24	18	4	631	629	70	10	60	0.5	6	772.8	126
20		012.25.630	014.25.630							M16								8	774.4	94
21	010.30.710	011.30.710	013.30.710	812	608	80	776	644	24	18	4	711	708	70	10	60	0.5	6	850.8	139
22		012.30.710	014.30.710							M16								8	854.4	104
23	010.25.710	011.25.710	013.25.710	812	608	80	776	644	24	18	4	711	709	70	10	60	0.5	6	850.8	139
24		012.25.710	014.25.710							M16								8	854.4	104
25	010.40.800	011.40.800	013.40.800	922	678	100	878	722	30	22	6	801	798	90	10	80	0.5	8	966.4	118
26		012.40.800	014.40.800							M20								10	968	94
27	010.30.800	011.30.800	013.30.800	922	678	100	878	722	30	22	6	801	798	90	10	80	0.5	8	966.4	118
28		012.30.800	014.30.800							M20								10	968	94

Cone Drive reserves the right to improve or change product design and specifications without notice.

Notes

NORTH AMERICA | CHINA | EUROPE

GLOBAL LOCATIONS

Cone Drive Operations, Inc.
240 East 12th Street
Traverse City, Michigan 49684
USA

Cone Drive Europe
1 Redwood Crescent, Peel Park
East Kilbride G74 5PA
UK

H-Fang
A Cone Drive Brand
No. 20 Yungu Road
Changshou
Zhouzhuang Town, Jiangyin
Jiangsu PR China 214424

T +1 888 994 2663
E orders@conedrive.com
W www.conedrive.com