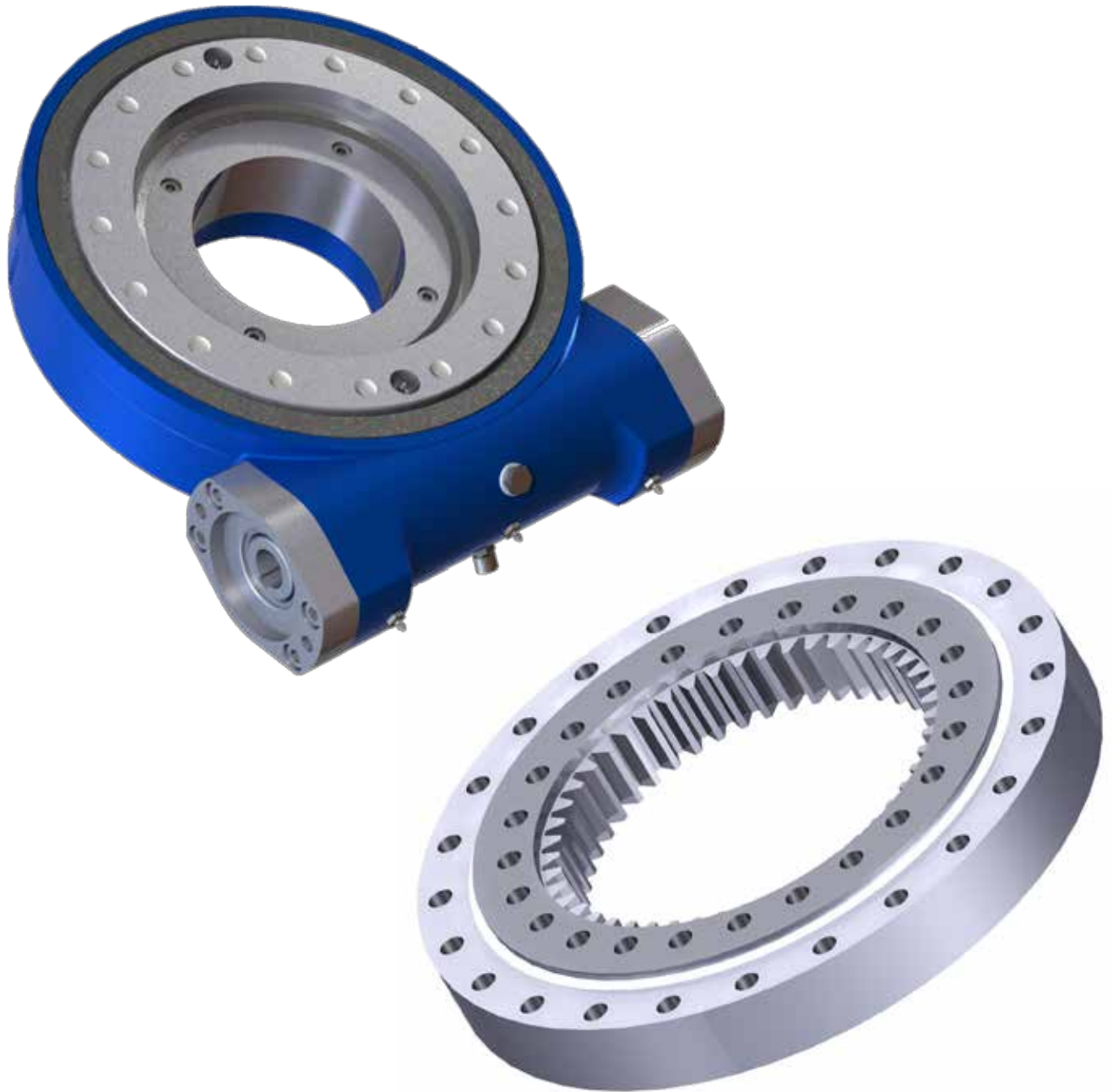




Slewing Solutions

Catalog Revision 1.6.5.4



Code Description

Код модели

12345678910111213141516

Редуктор

SE14A-85BT-BH-2R-160A

Вал червяка

Гидромотор

A -- Away (oil port)

I -- Inside (oil port)

U -- Up (oil port)

D -- Down (oil port)

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

R -- Hydraulic motor position, right side

L -- Hydraulic motor position, left side

- -- Shaft number, None meaning is only one worm

2 -- Dual worm drive

- -- Shaft opposite to motor : solid

H -- Shaft opposite to motor : with hex

E -- Shaft opposite to motor : with encoder

- -- без гидромотора

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

- -- Монтажные отверстия внутреннего и наружного кольца: Глухие резьбовые отверстия

C -- Монтажные отверстия внутреннего и наружного кольца: Сквозные резьбовые отверстия

T -- Монтажные отверстия внутреннего и наружного кольца: Глухие резьбовые отверстия
наружного и сквозные резьбовые отверстия внутреннего колец.

- -- Тип резьб: Метрические

B -- Тип резьб: Дюймовые

85 -- Передаточное отношение

- -- Заводская проверка

A -- Перепроверки A, B, C...

14 -- Диаметр дорожки качения в дюймах

SE -- Поворотный привод в герметичном корпусе

S -- Поворотный привод в открытом корпусе

W -- Поворотный привод в открытом корпусе

WE -- Поворотный привод в герметичном корпусе

WEA -- Поворотный привод в герметичном корпусе с дополнительным уплотнением

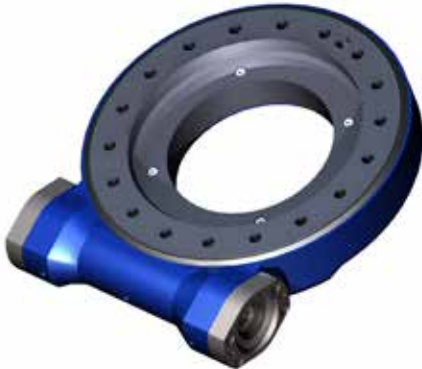
HSE -- Поворотный привод в герметичном корпусе с увелич. крутящим моментом

Column 1 - 5

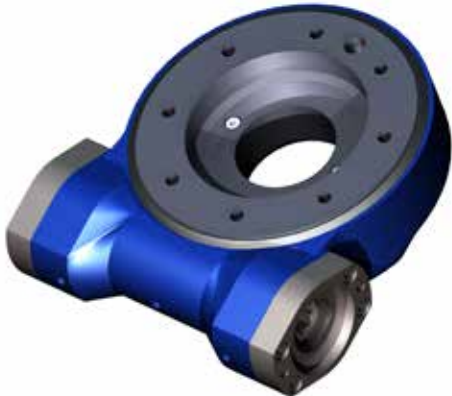
S/W : Open Gearing



SE/WE: Enclosed Gearing



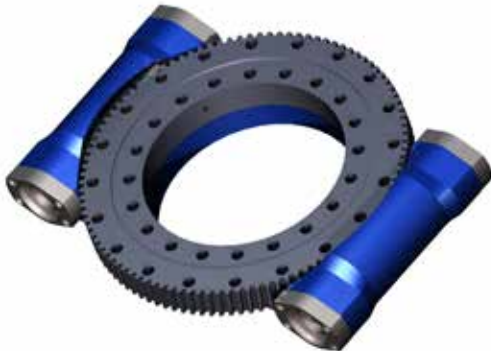
WEA: Enclosed Gearing
with Advanced sealing



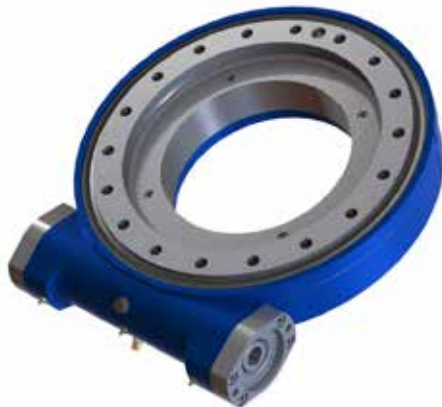
PE: Enclosed Gearing
With Reduced backlash



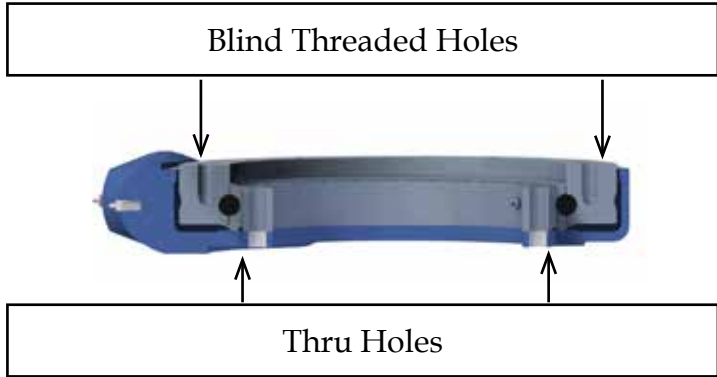
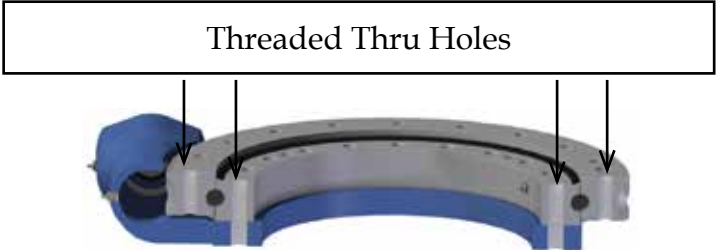
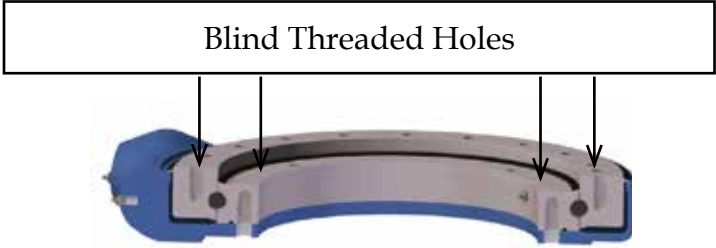
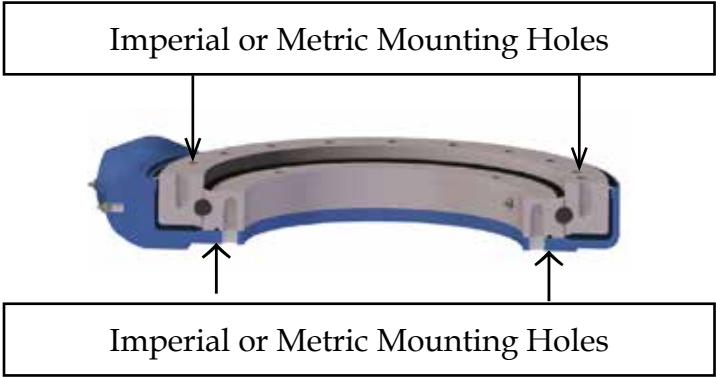
S-2/SE-2: Dual Worm



HSE: Enclosed gearing with
improved Dynamic Performance



Column 6 - 8

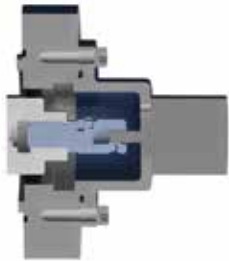


Column 9 - 11



Keyed Shaft

SAE 6B Splined Shaft



Solid

Hex

Encoder

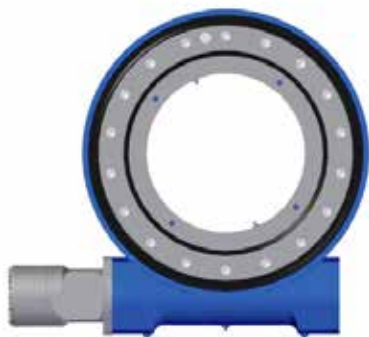
Column 12 - 14



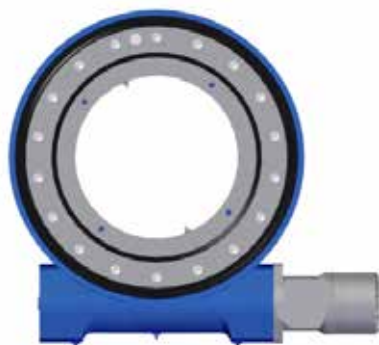
One Worm



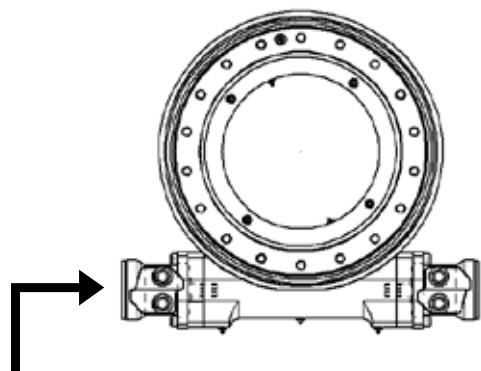
Two Worms



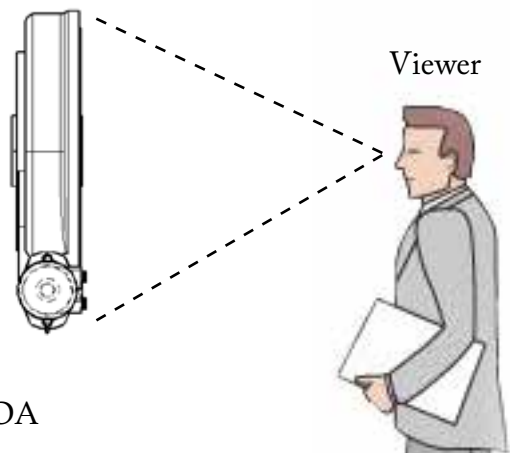
Left Hand of Assembly



Right Hand of Assembly



Left HOA

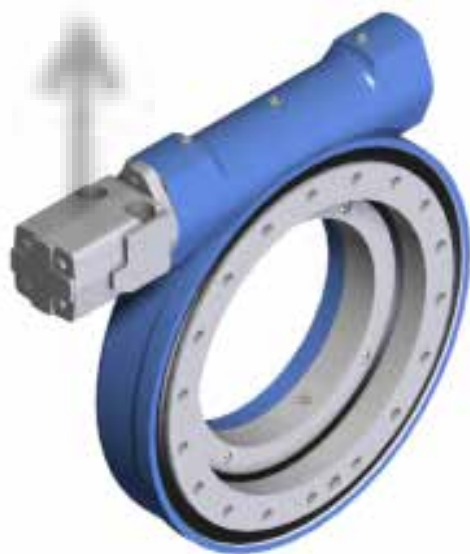


Right HOA

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

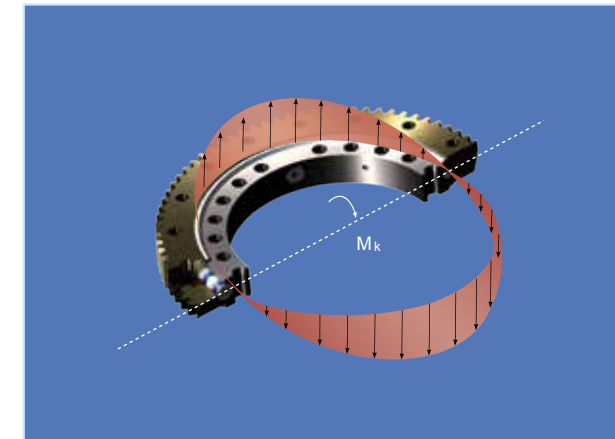


Down

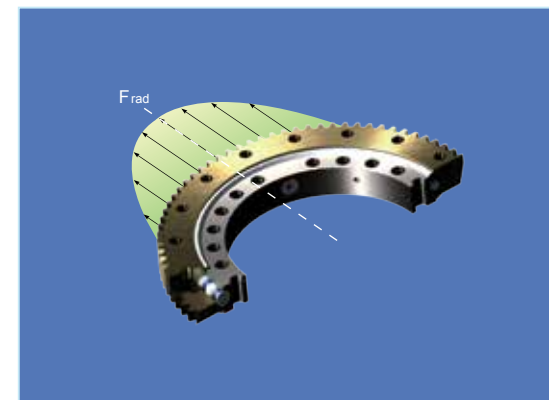
Glossary

Tilting Moment:

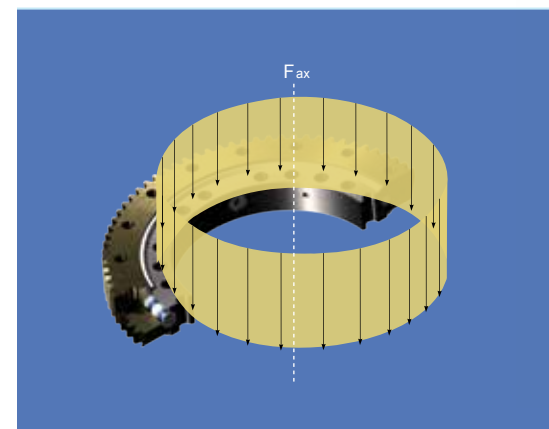
Tilting Moment is the force multiplied by the distance from that force to the center of the slewing ring.

**Radial load:**

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

**Axial load:**

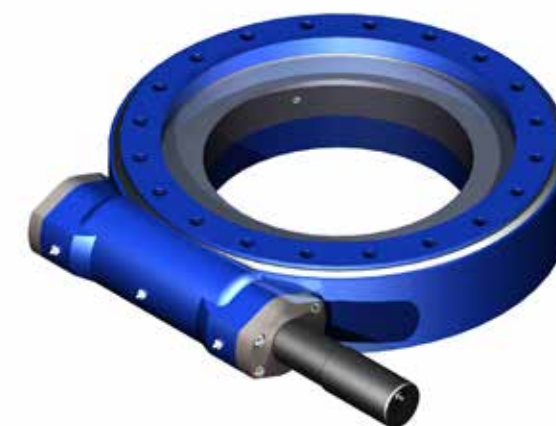
Axial Load is the force parallel to the slewing ring axis.

**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.



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)

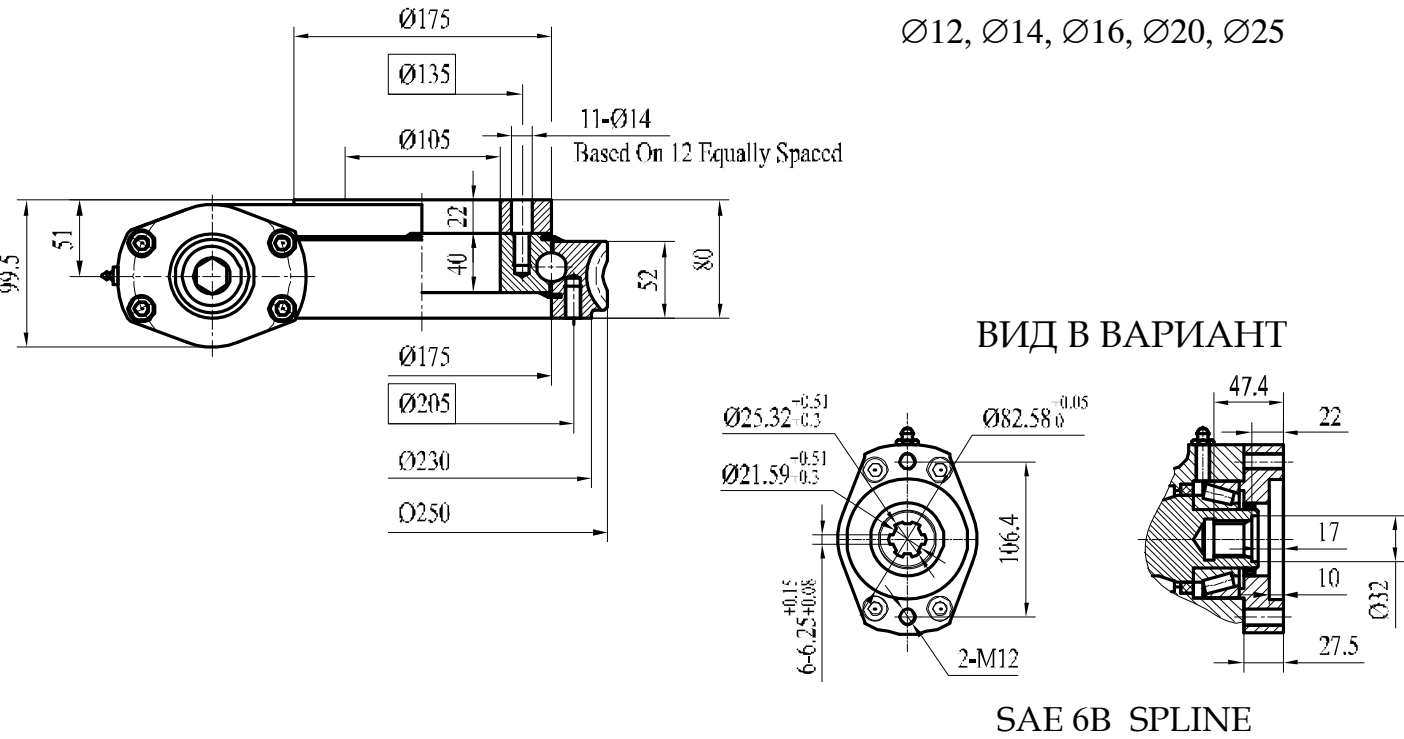
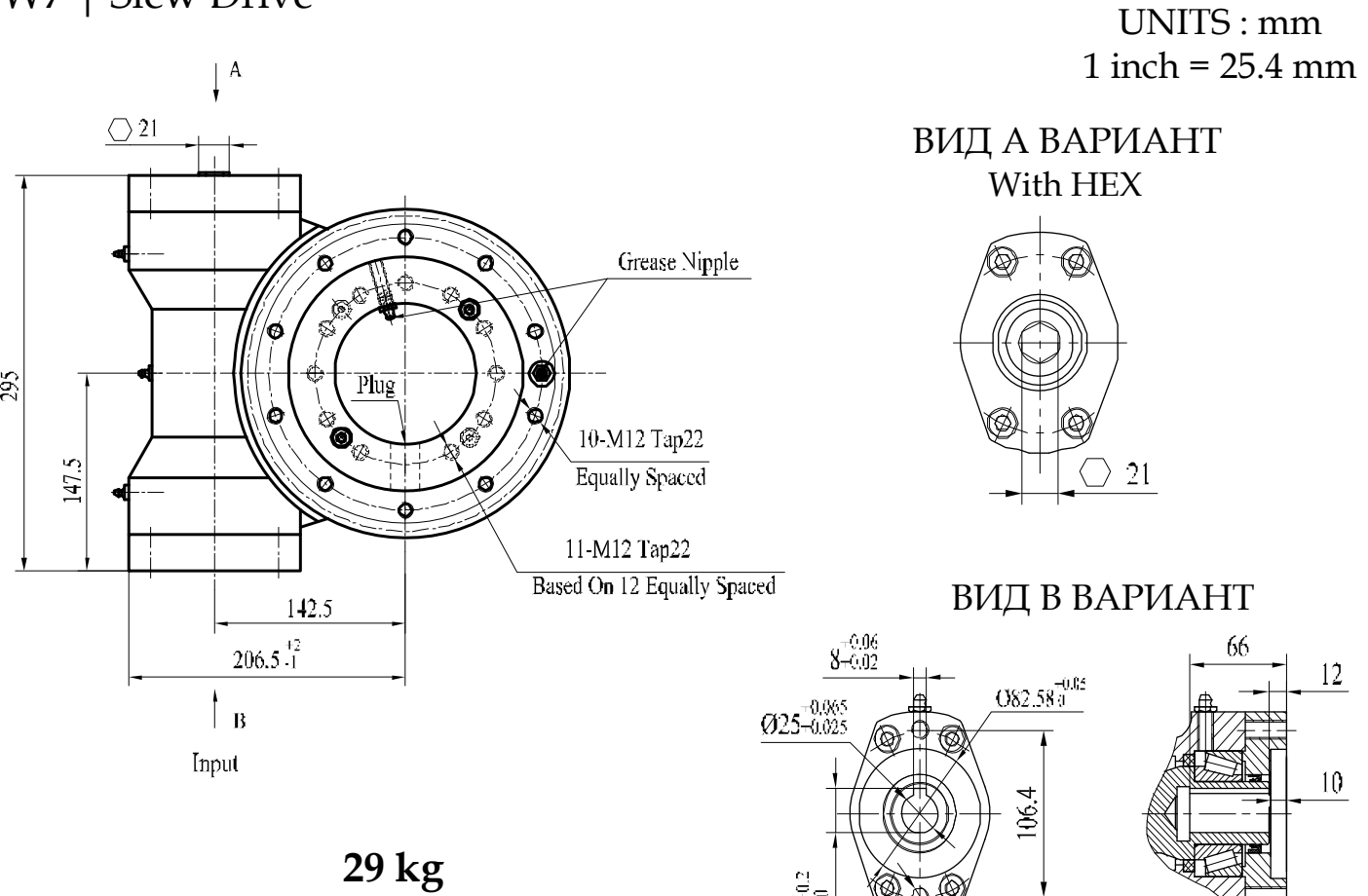
Holding torque:
2000 N.m~269.1 kN.m (198,900 ft.lbf)

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

W7 | Slew Drive



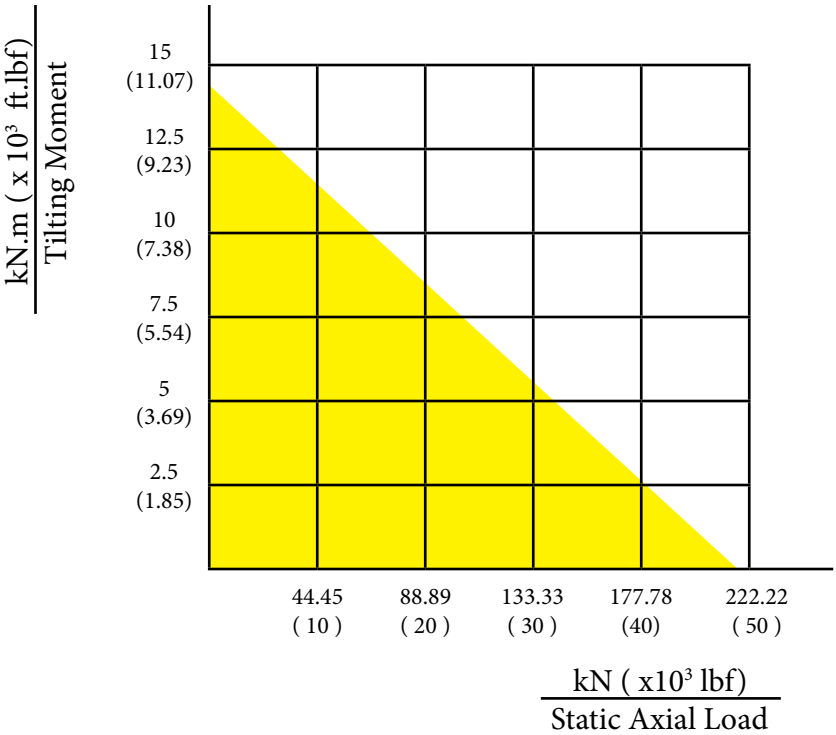
W7 | Slew Drive



W7 | Slew Drive Performance Parameters

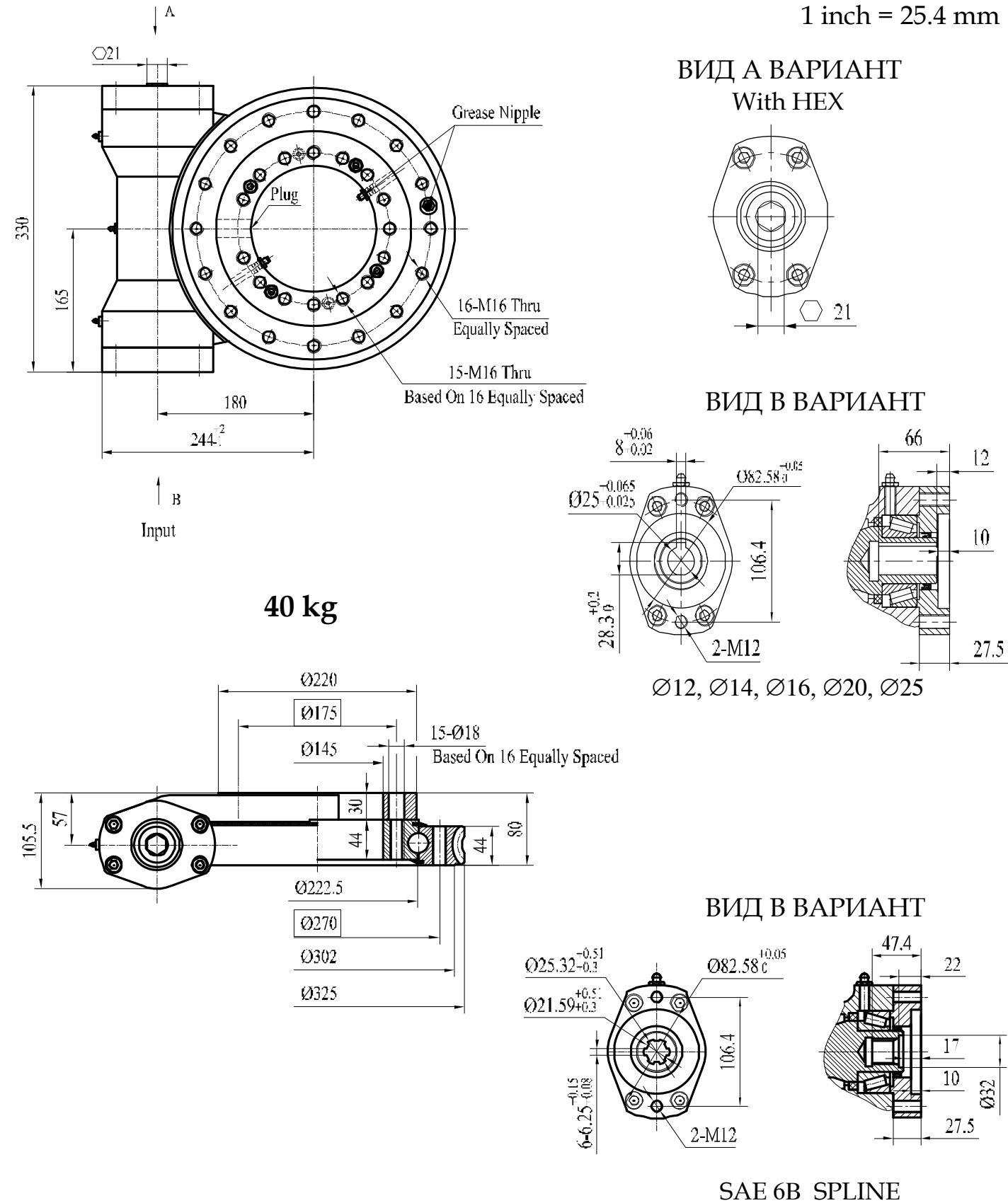
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
W7	3.5 kN.m	14.2 kN.m	20 kN.m	220 kN	90 kN	63 kN	48 kN	47 : 1	≤ 0.15 °	29 kg
	2583 ft.lbf	10.5 x 10 ³ ft.lbf	14.8 x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



ВНИМАНИЕ:
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CURVE

W9 | Slew Drive



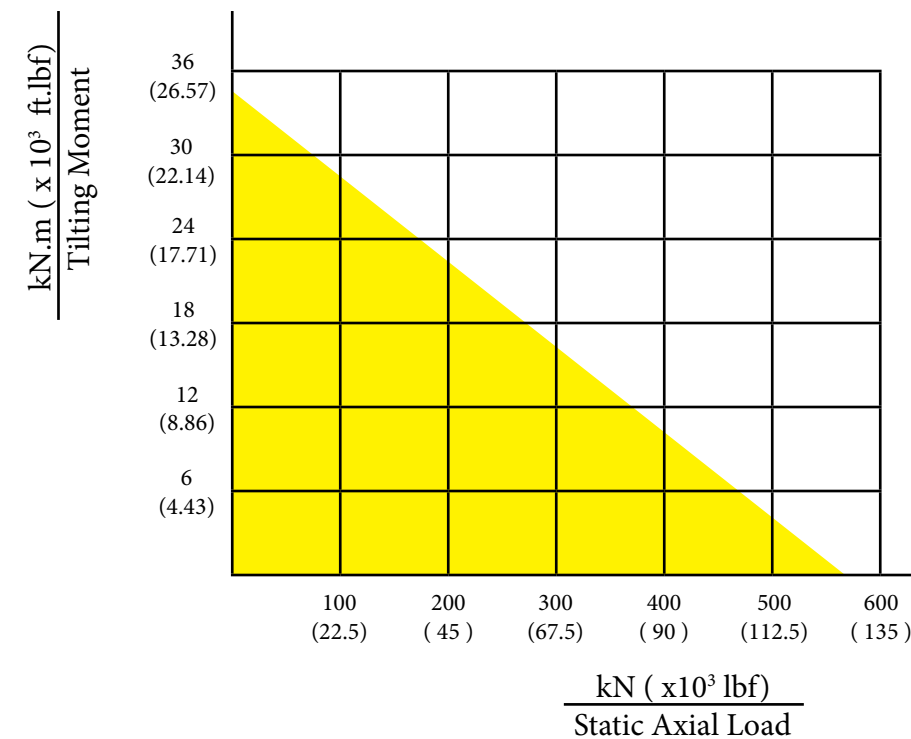
W9 | Slew Drive



W9 | Slew Drive Performance Parameters

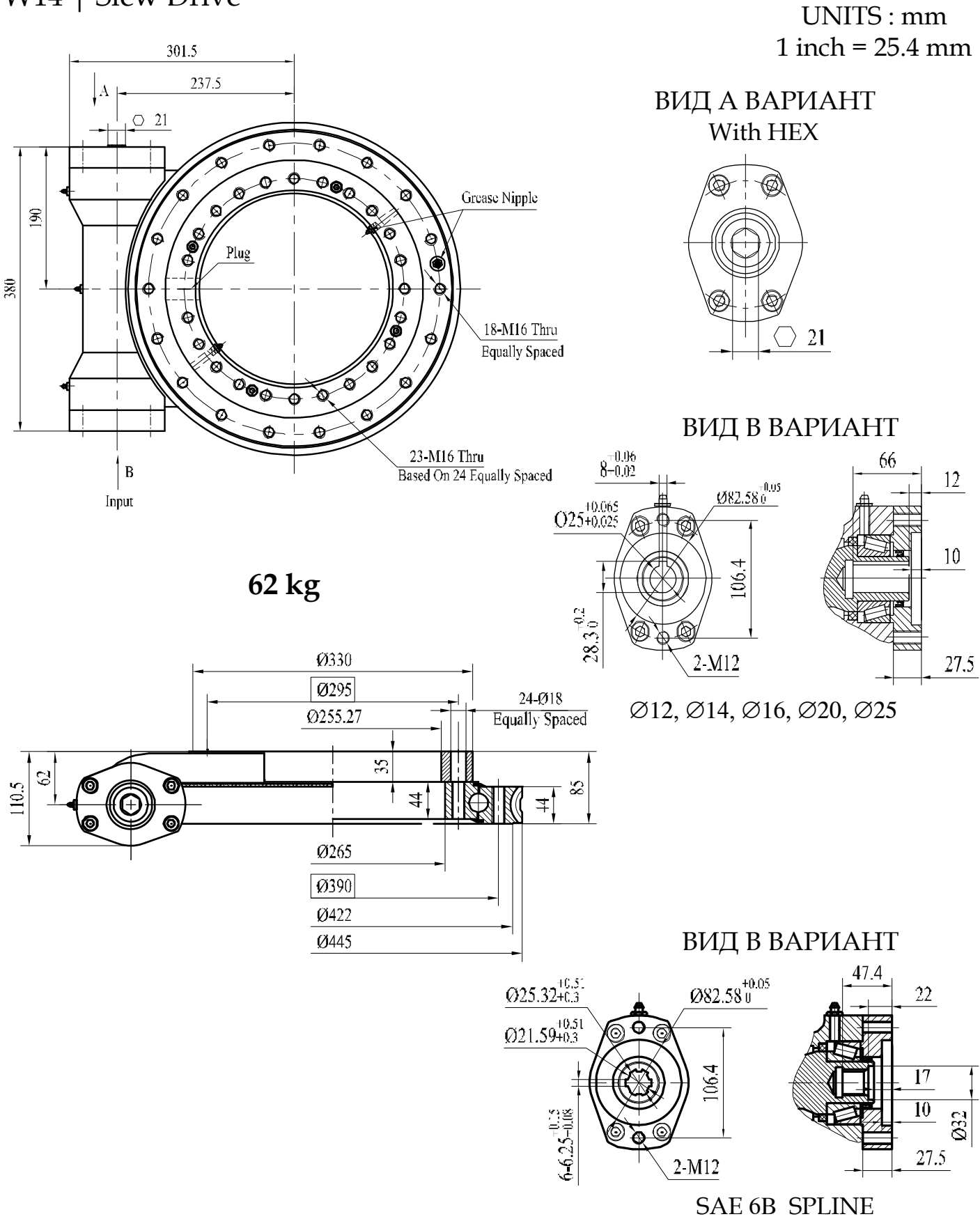
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
W9	8 kN.m	35.6 kN.m	38.7 kN.m	578 kN	215 kN	136 kN	115 kN	62 : 1	≤ 0.15 °	40 kg
	5904 ft.lbf	26.3 x 10 ³ ft.lbf	29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



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W14 | Slew Drive

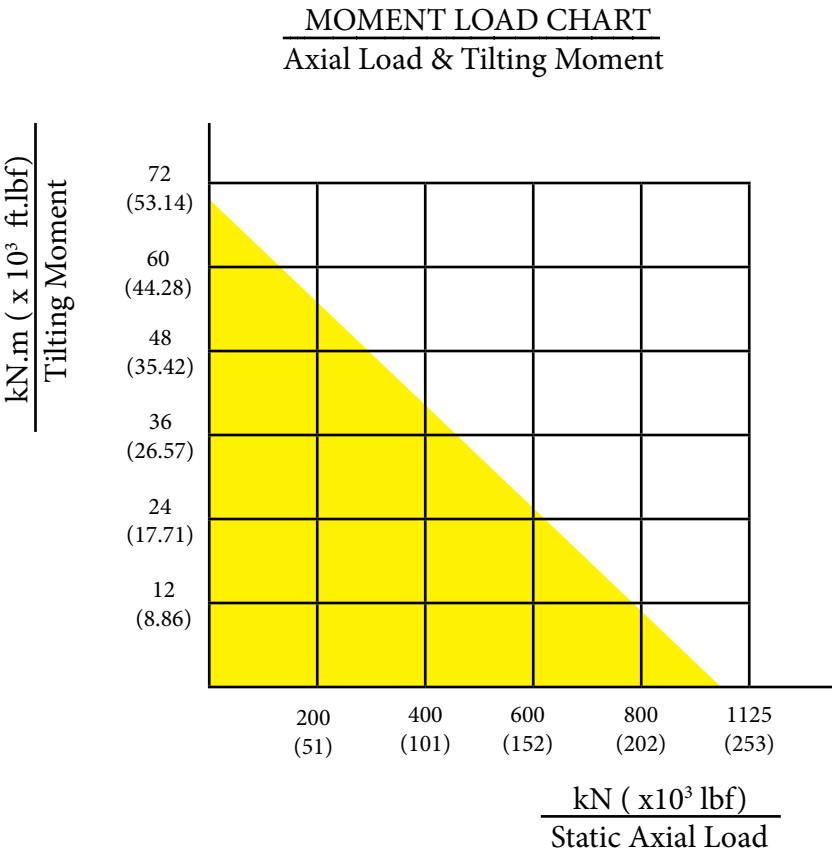


W14 | Slew Drive



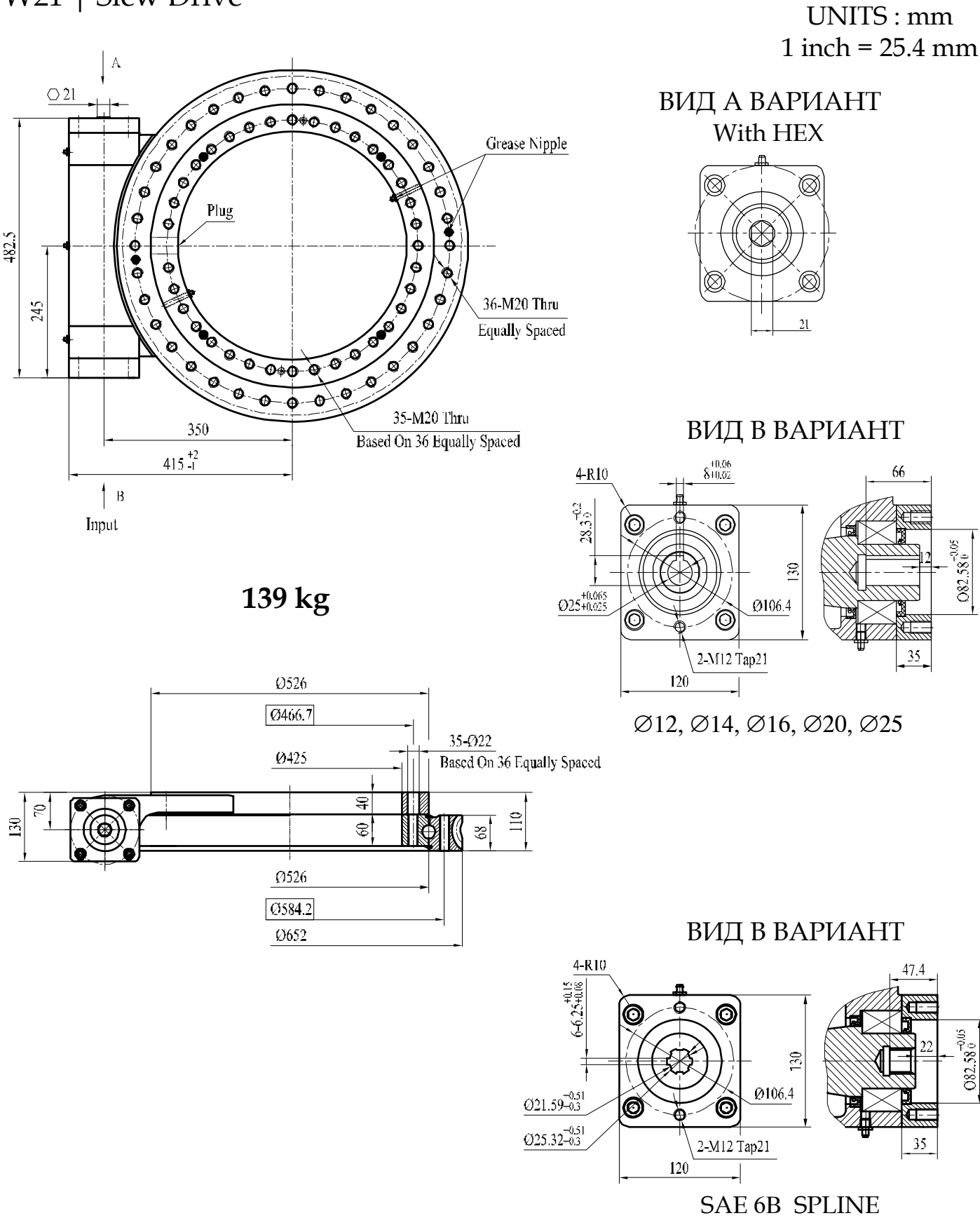
W14 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	35 x 10³ ft.lbf	215.8 x 10³ lbf	80.9 x 10³ lbf	51.7 x 10³ lbf	44.9 x 10³ lbf			



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W21 | Slew Drive

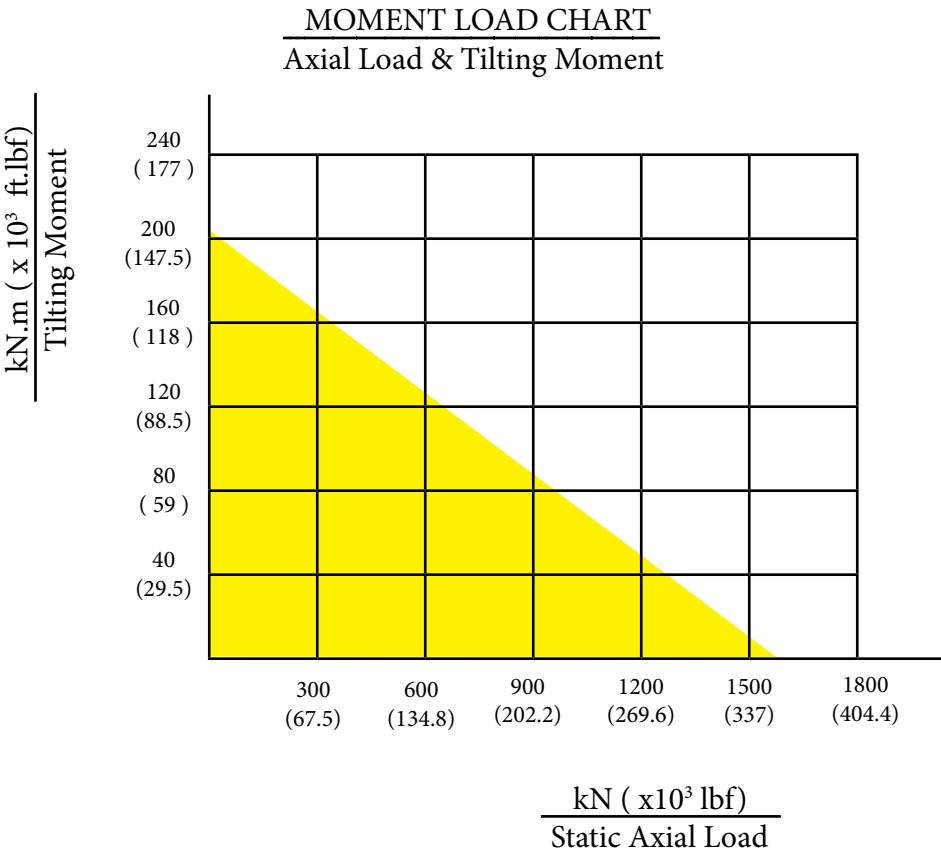


W21 | Slew Drive

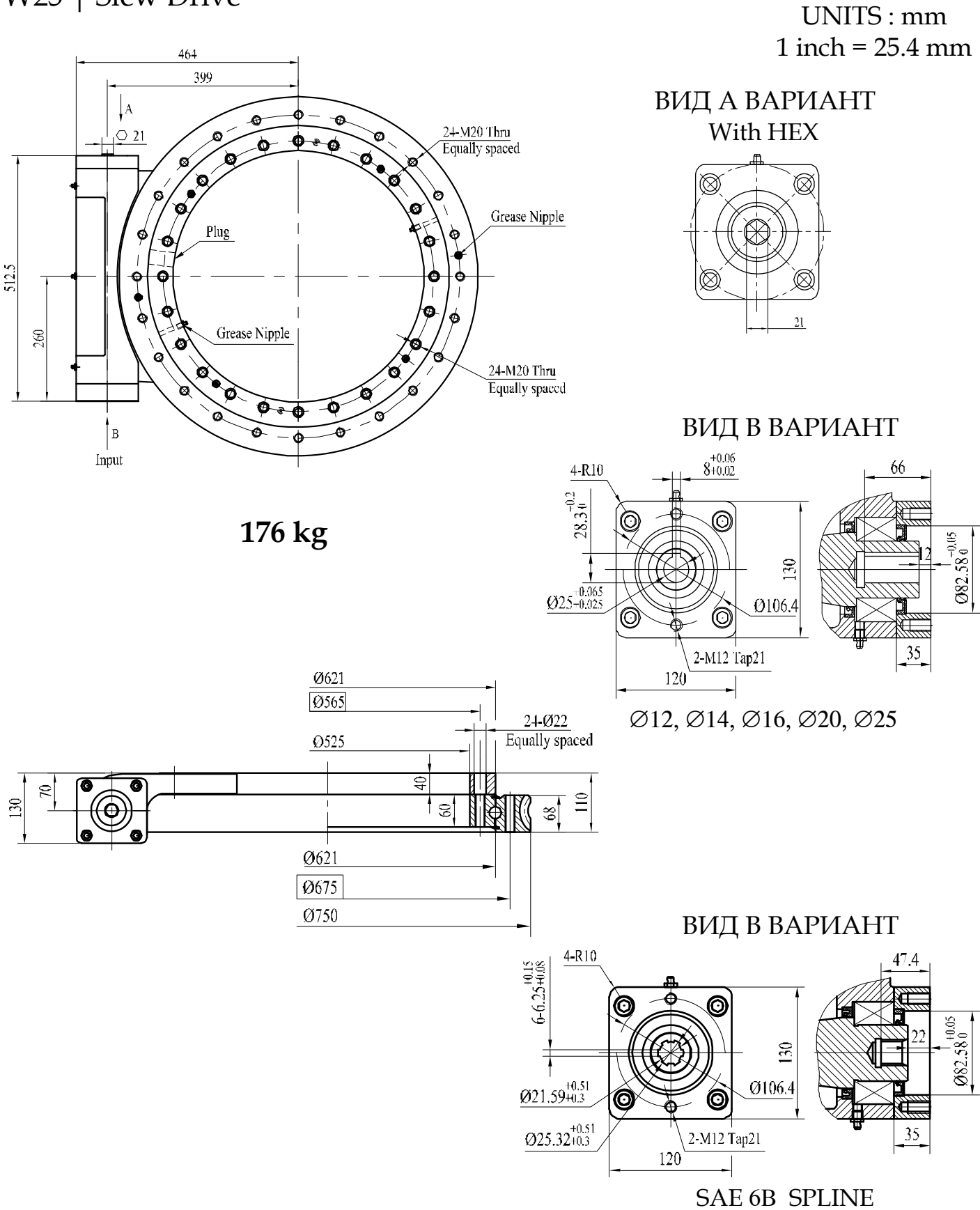


W21 | Slew Drive Performance Parameters

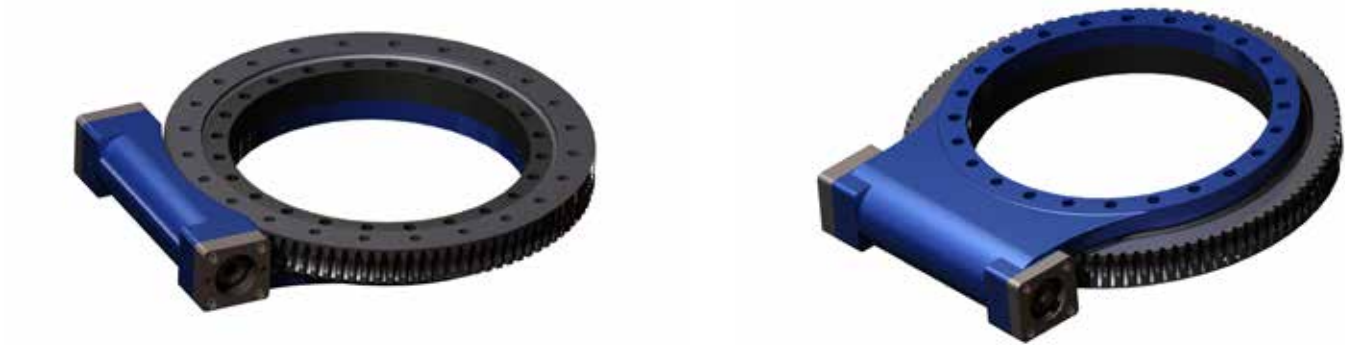
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
W21	28.7 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	90 : 1	≤ 0.1°	139 kg
	21180 ft.lbf	150 x 10³ ft.lbf	78 x 10³ ft.lbf	359 x 10³ lbf	144 x 10³ lbf	87 x 10³ lbf	75 x 10³ lbf			



W25 | Slew Drive



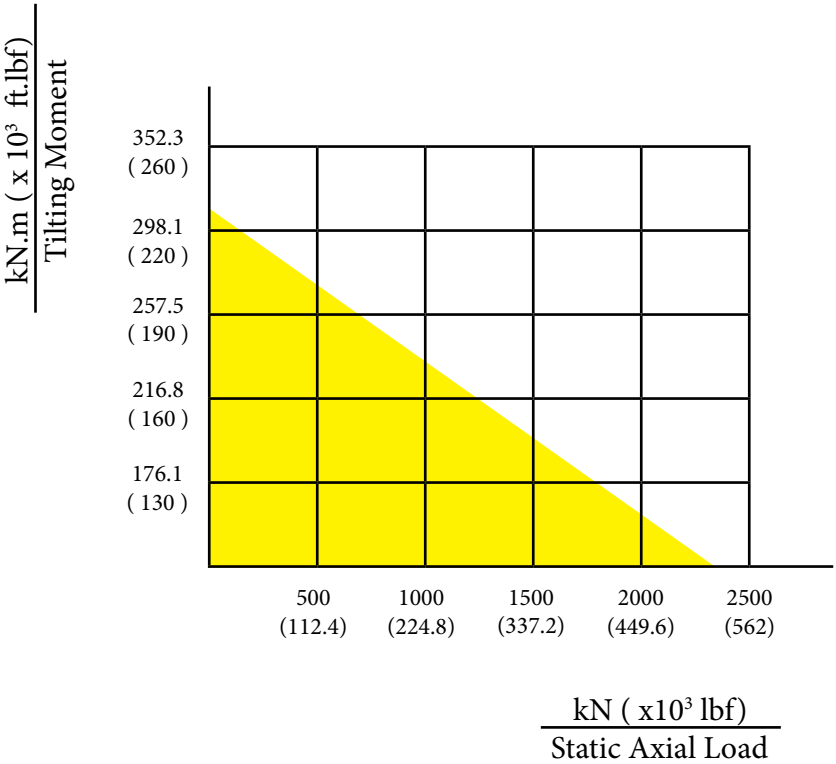
W25 | Slew Drive



W25 | Slew Drive Performance Parameters

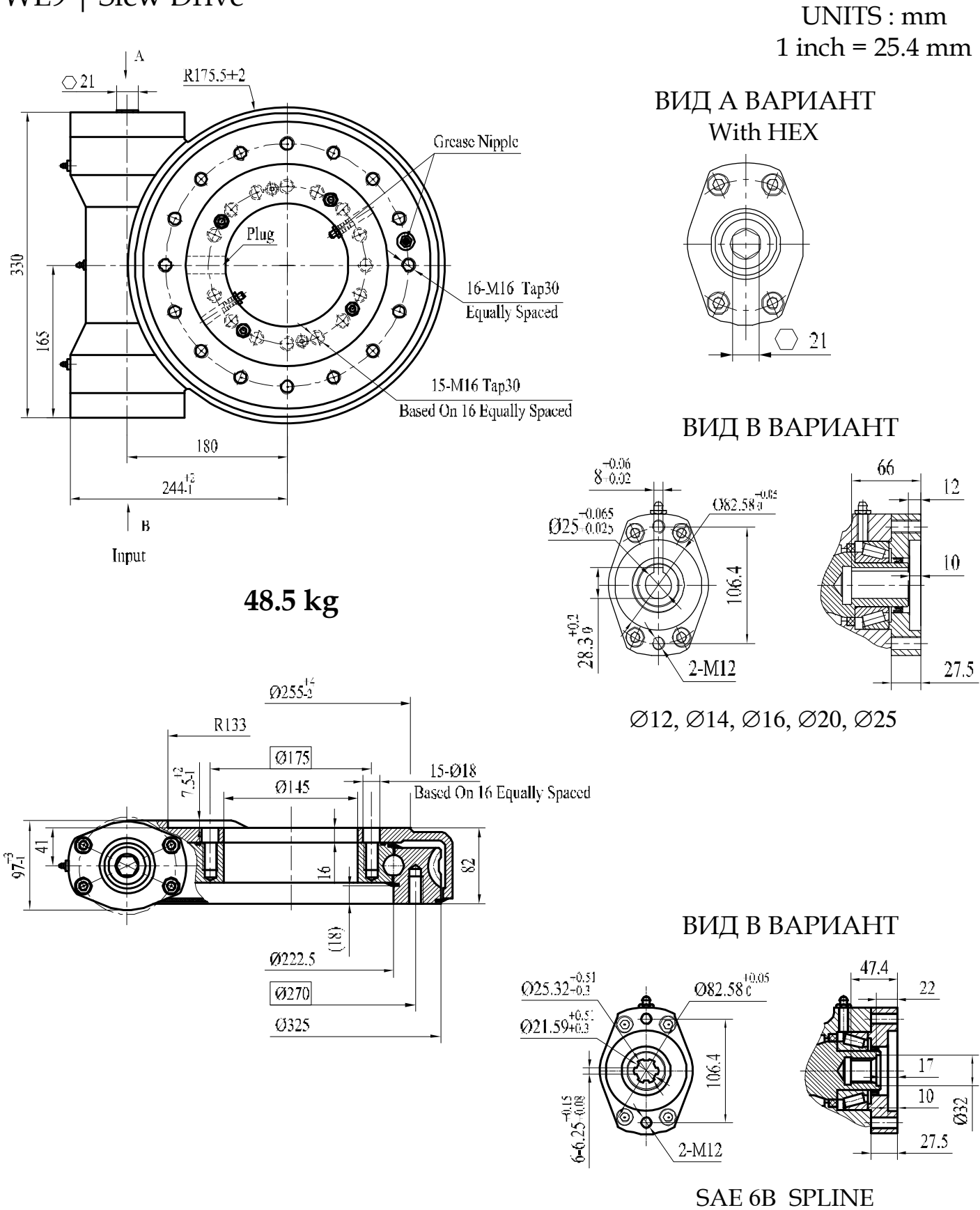
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
W25	34.2 kN.m	310 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	104 : 1	≤ 0.1°	176 kg
	25240 ft.lbf	229 x 10³ ft.lbf	117 x 10³ ft.lbf	531 x 10³ lbf	212 x 10³ lbf	133 x 10³ lbf	106 x 10³ lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment

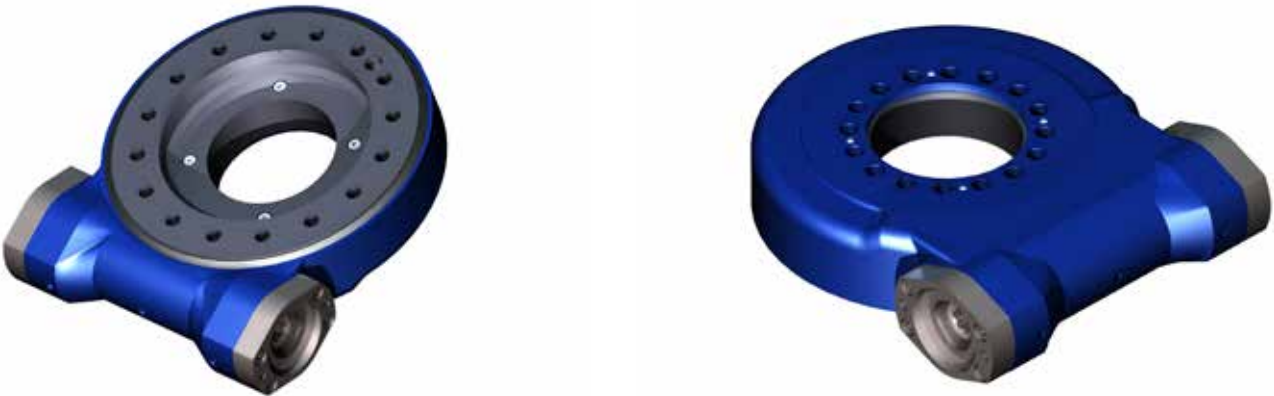


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WE9 | Slew Drive

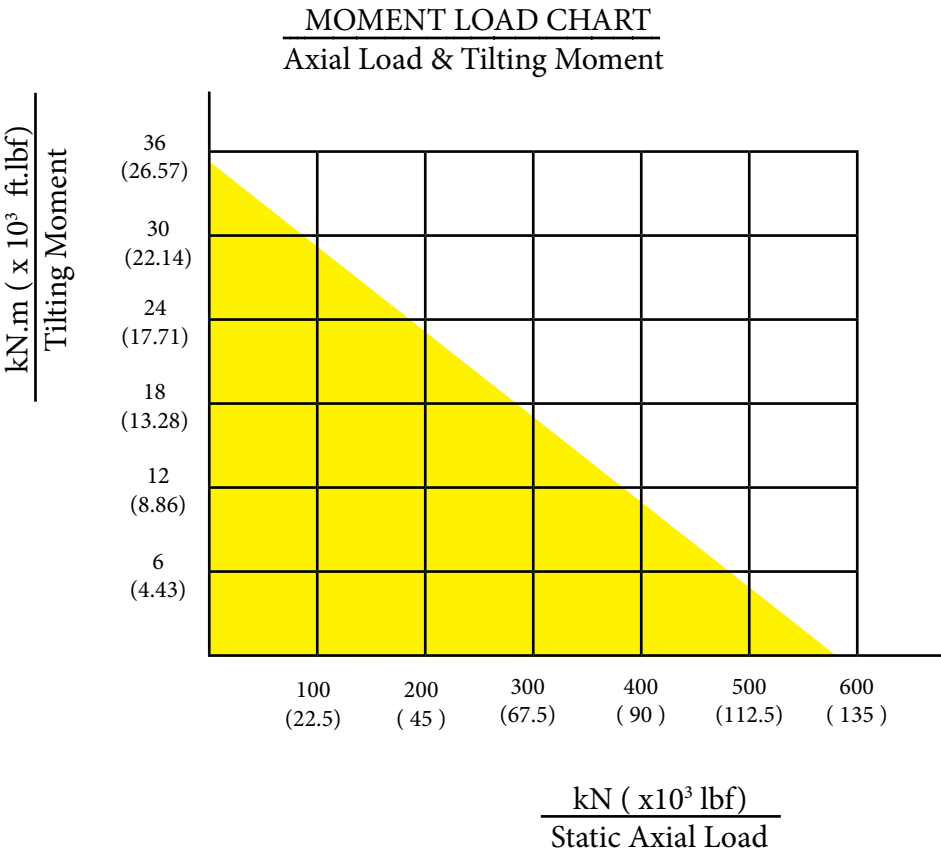


WE9 | Slew Drive

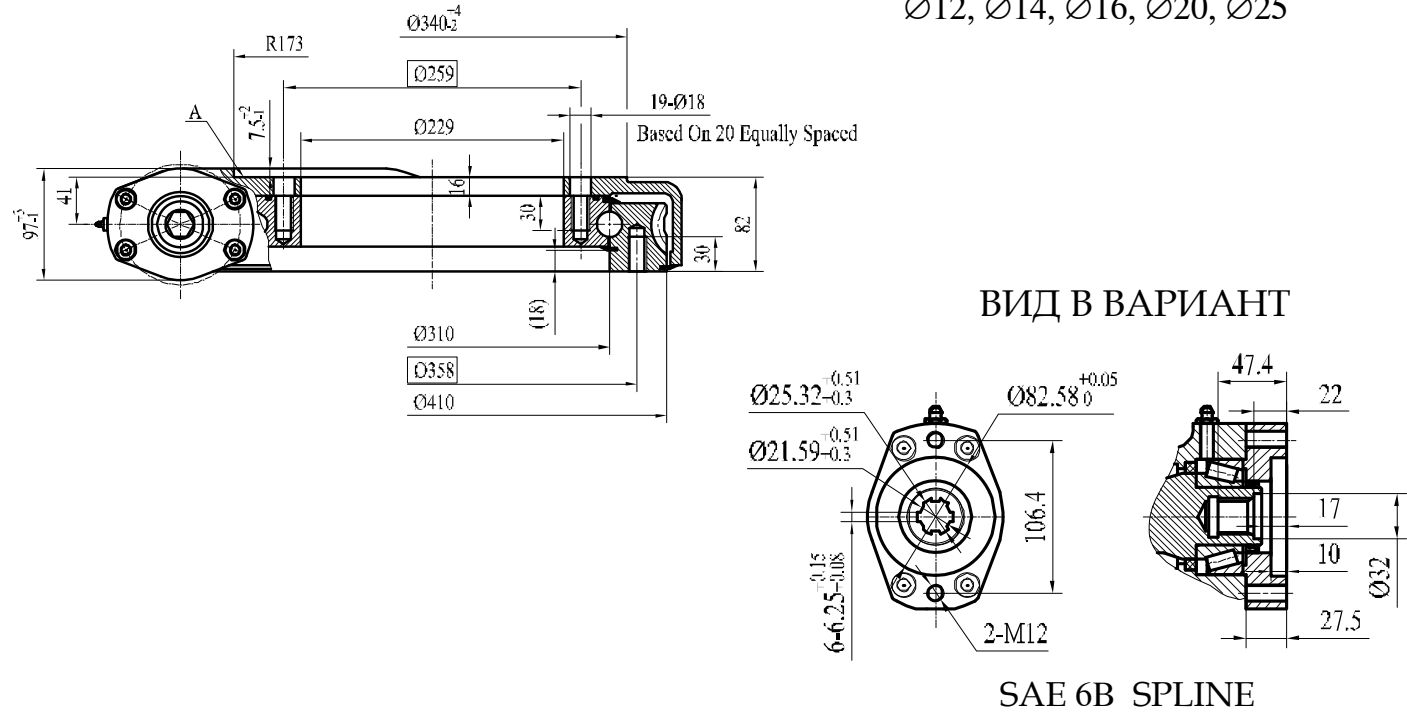
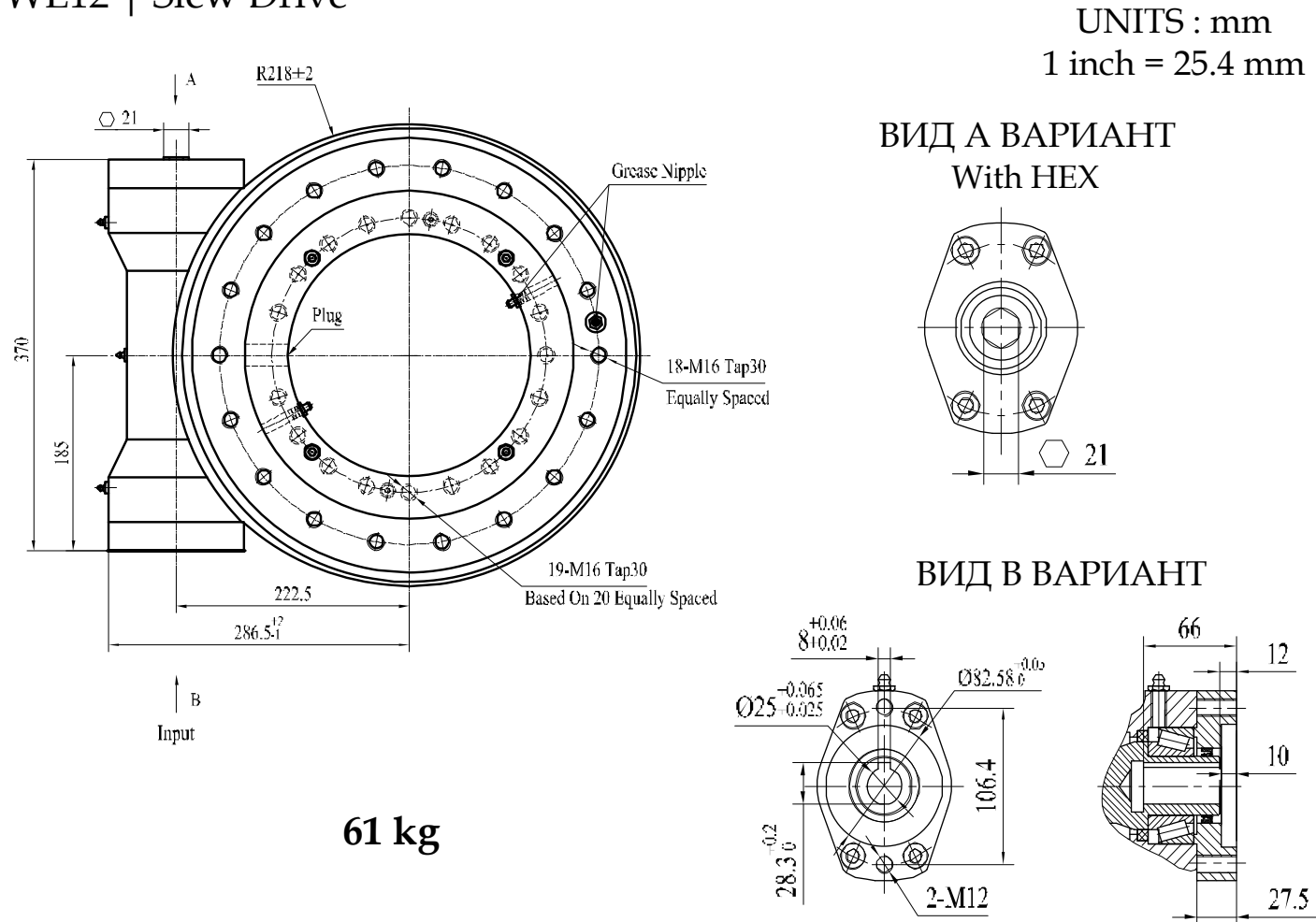


WE9 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	29 x 10³ ft.lbf	129.9 x 10³ lbf	48.3 x 10³ lbf	30.6 x 10³ lbf	25.9 x 10³ lbf			



WE12 | Slew Drive

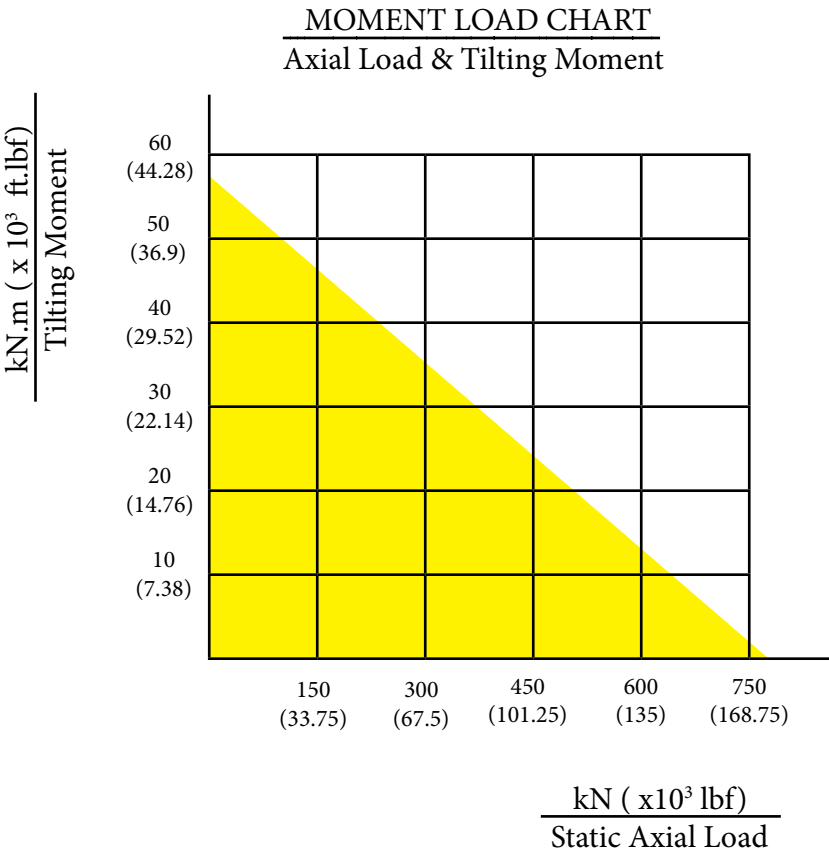


WE12 | Slew Drive

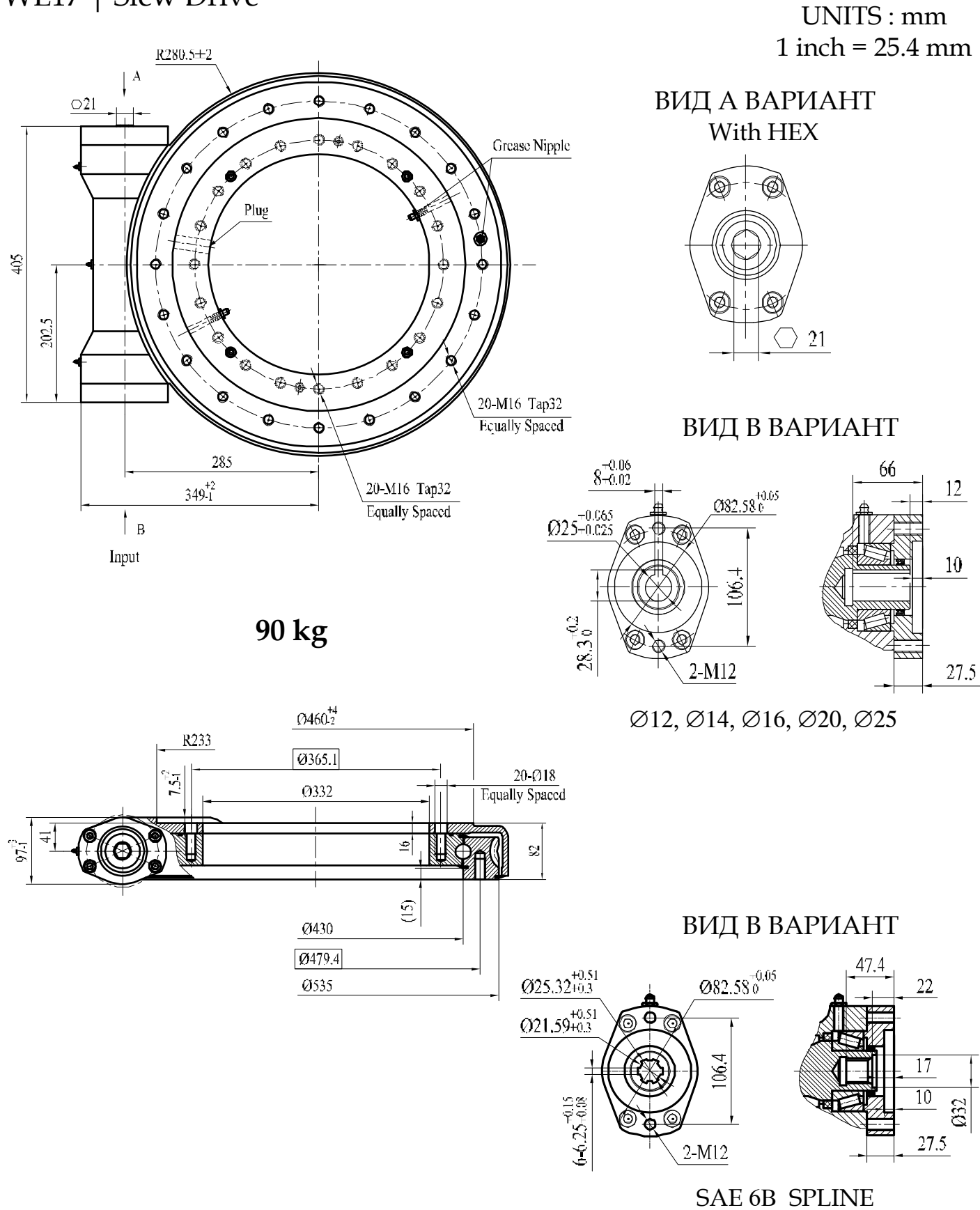


WE12 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	32 x 10³ ft.lbf	171.1 x 10³ lbf	62.9 x 10³ lbf	42.7 x 10³ lbf	33.3 x 10³ lbf			



WE17 | Slew Drive

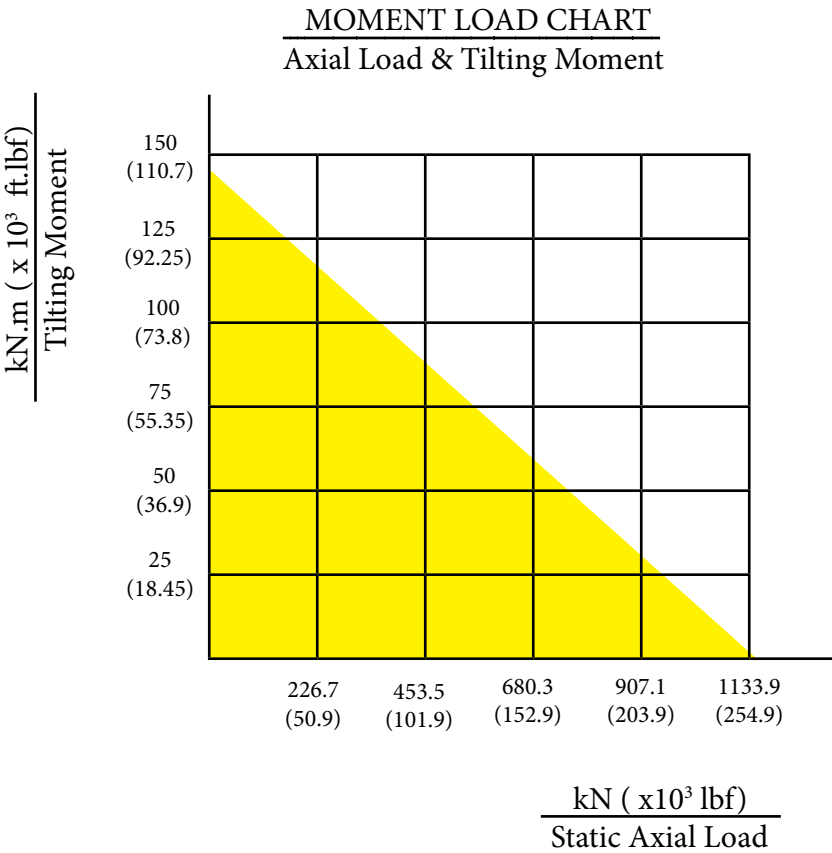


WE17 | Slew Drive



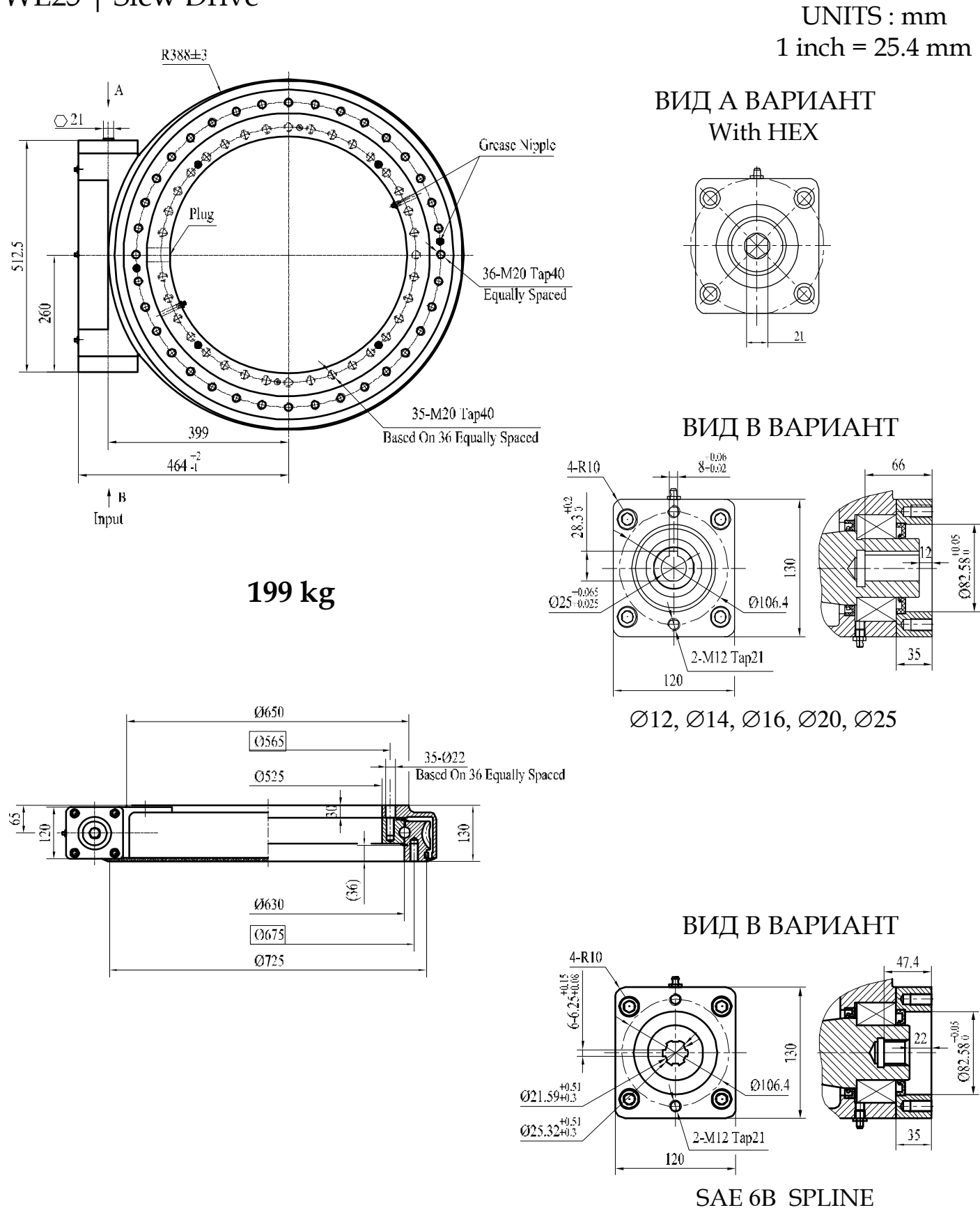
WE17 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	53.4 x 10³ ft.lbf	262 x 10³ lbf	97.8 x 10³ lbf	62.9 x 10³ lbf	51.9 x 10³ lbf			



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WE25 | Slew Drive



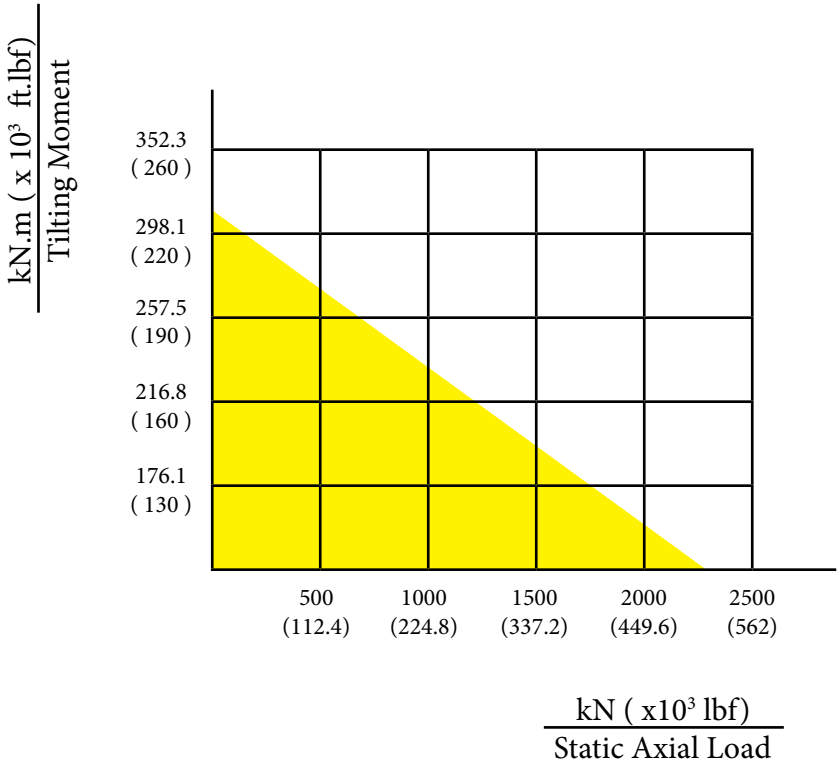
WE25 | Slew Drive



WE25 | Slew Drive Performance Parameters

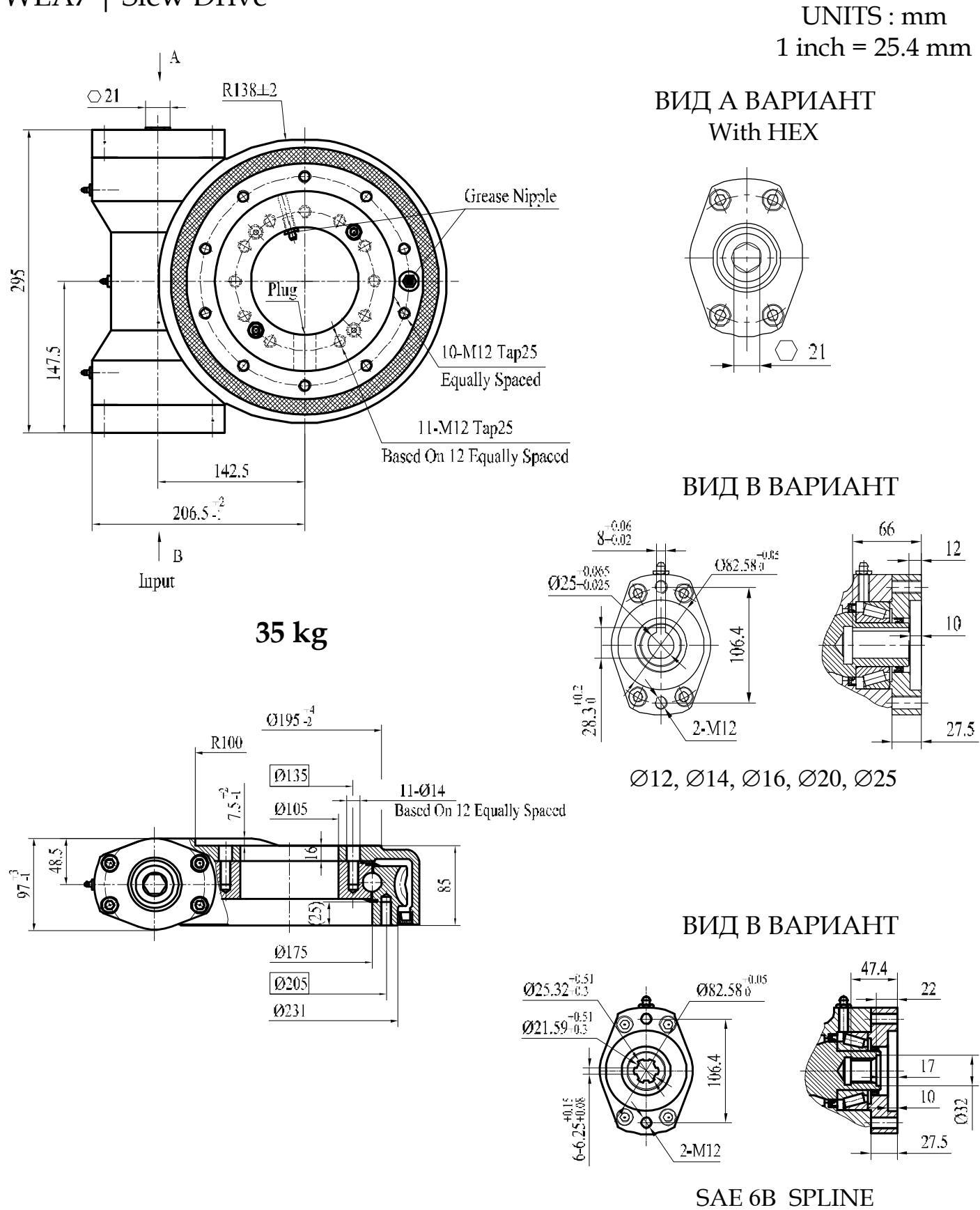
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
WE25	34.2 kN.m	310 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	104 : 1	≤ 0.1°	199 kg
	25240 ft.lbf	229 x 10³ ft.lbf	117 x 10³ ft.lbf	531 x 10³ lbf	212 x 10³ lbf	133 x 10³ lbf	106 x 10³ lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment

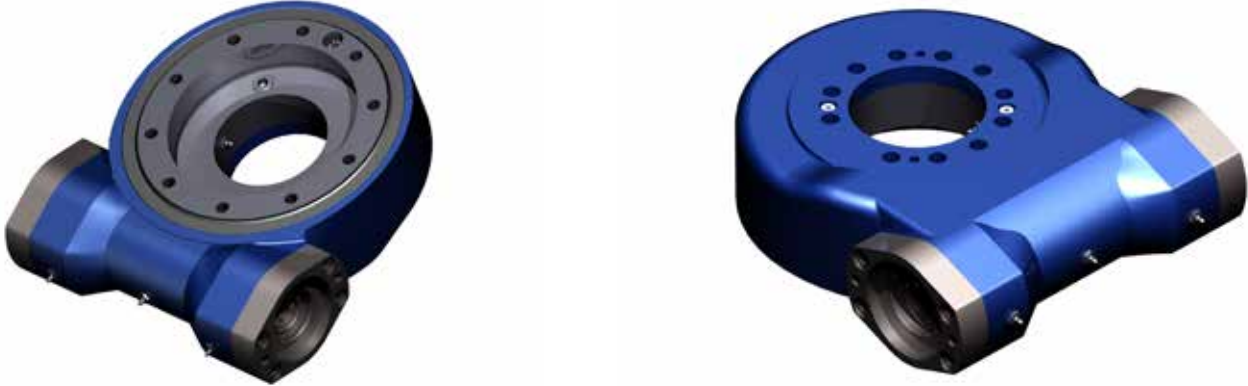


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WEA7 | Slew Drive

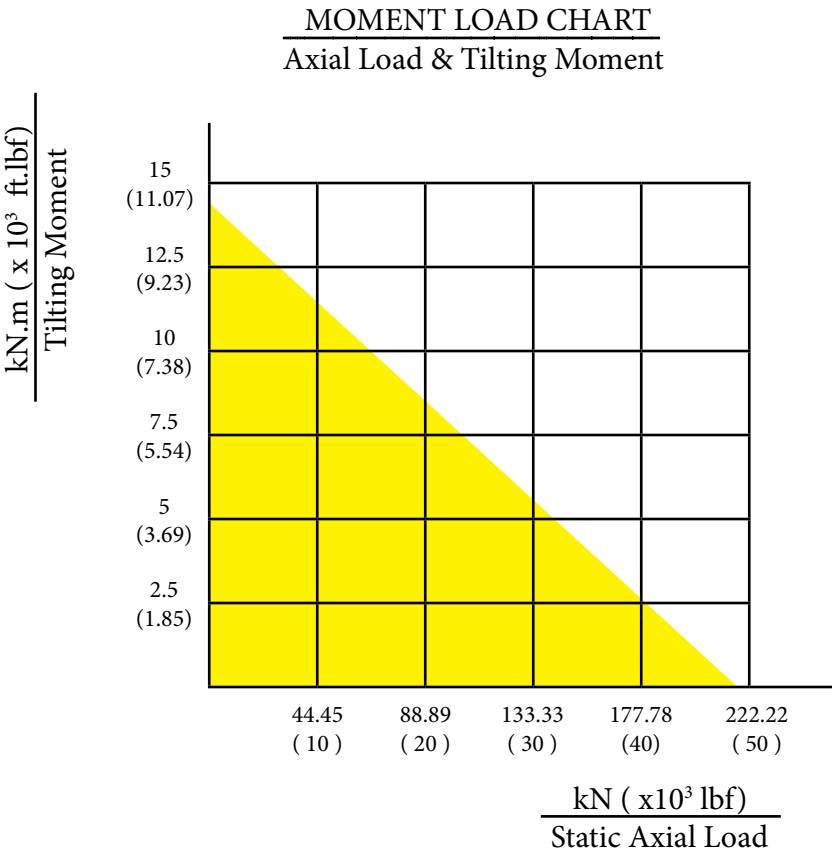


WEA7 | Slew Drive



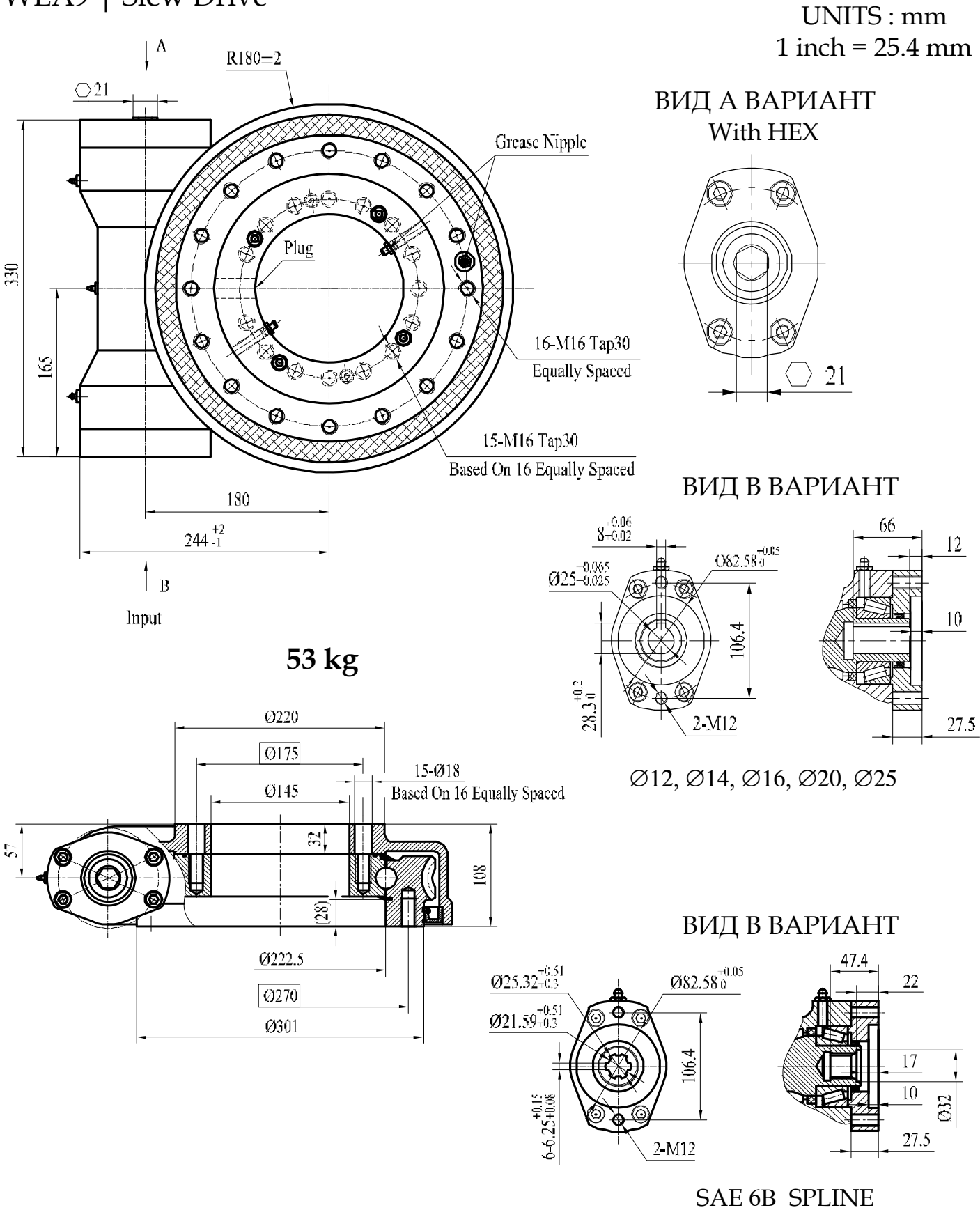
WEA7 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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			



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WEA9 | Slew Drive

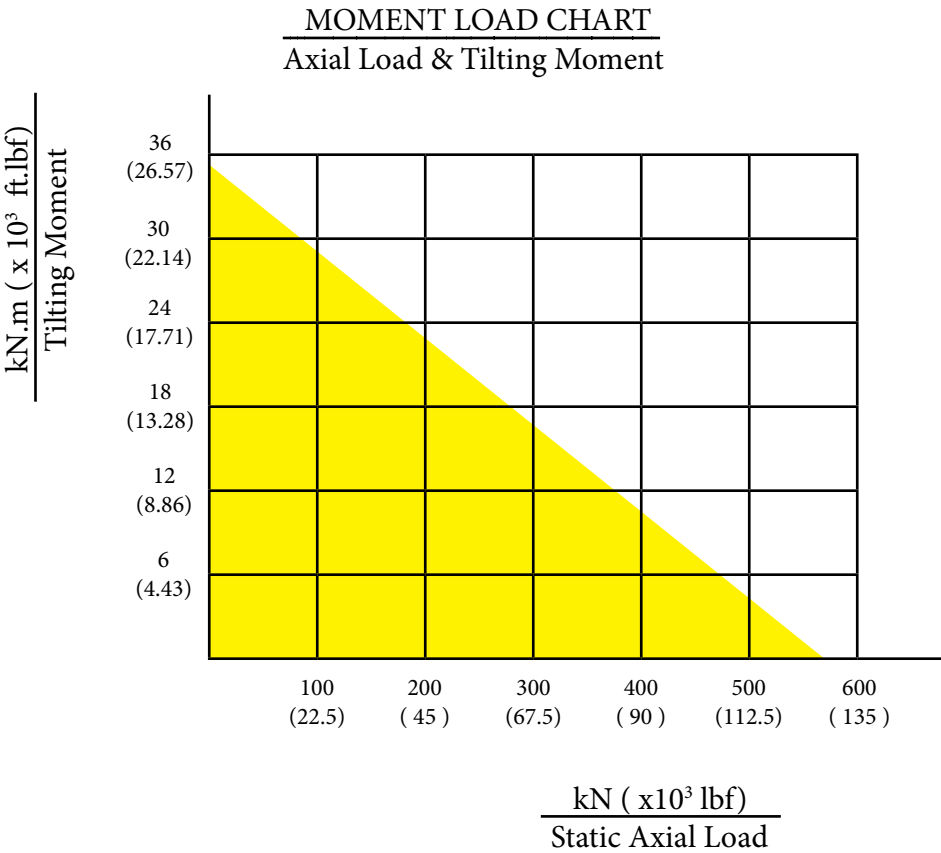


WEA9 | Slew Drive



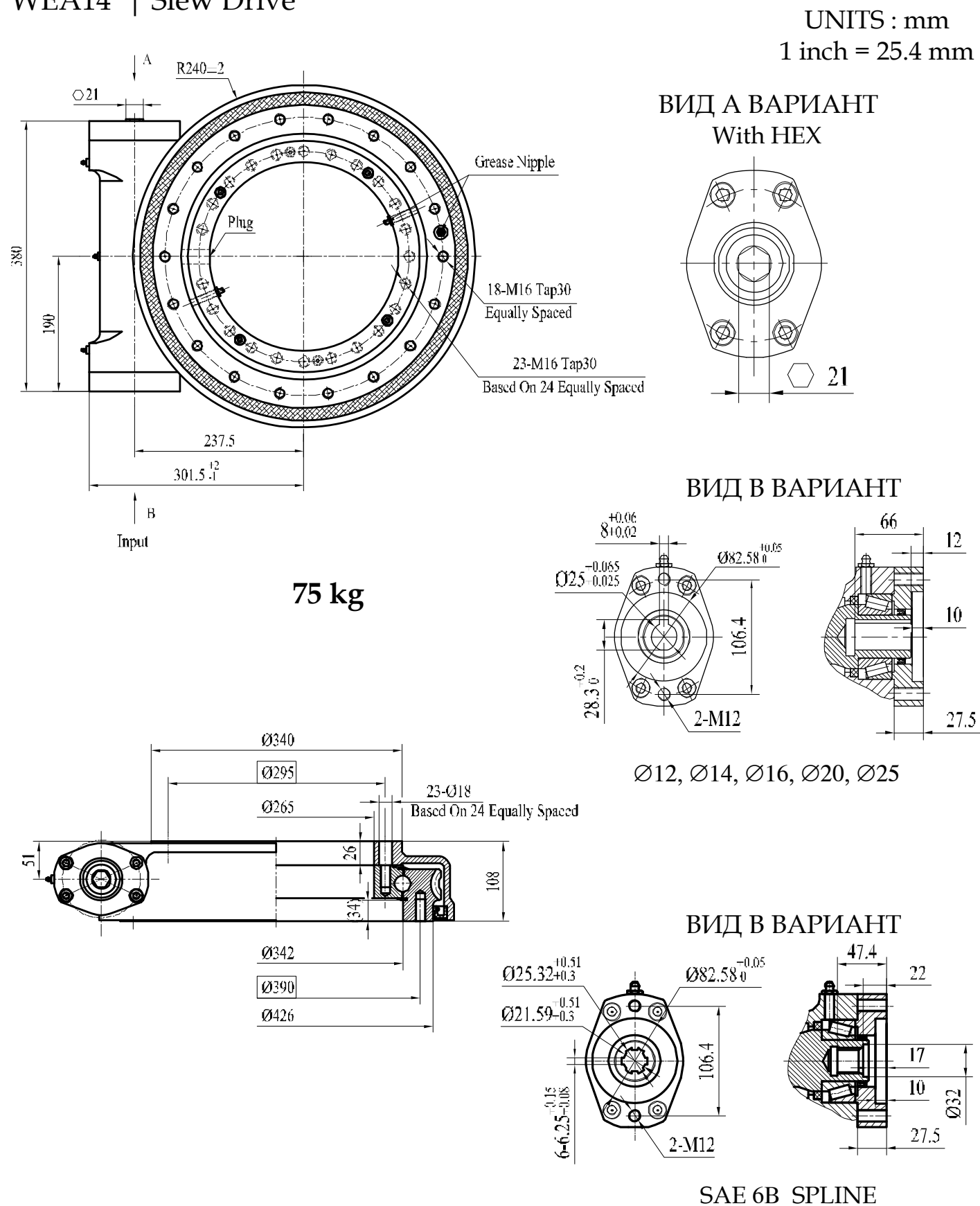
WEA9 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	29 x 10³ ft.lbf	129.9 x 10³ lbf	48.3 x 10³ lbf	30.6 x 10³ lbf	25.9 x 10³ lbf			



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WEA14 | Slew Drive



WEA14 | Slew Drive

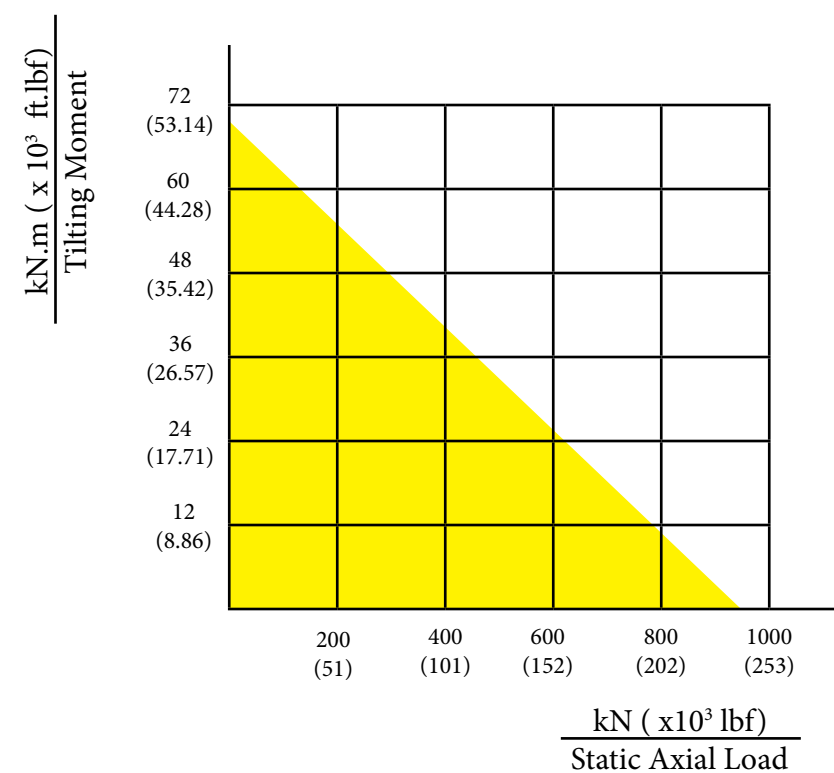


WEA14 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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			

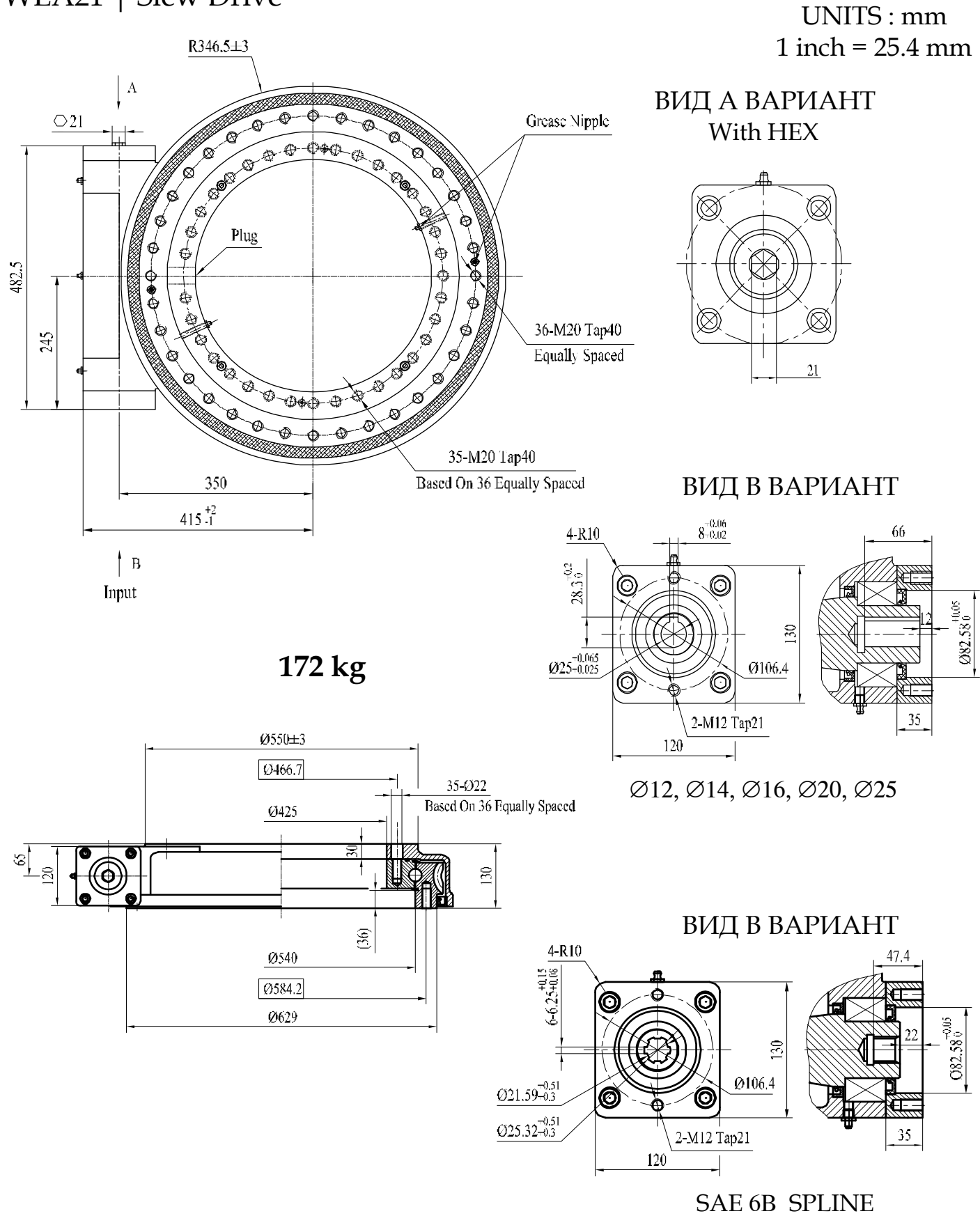
MOMENT LOAD CHART

Axial Load & Tilting Moment



ВНИМАНИЕ:
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WEA21 | Slew Drive

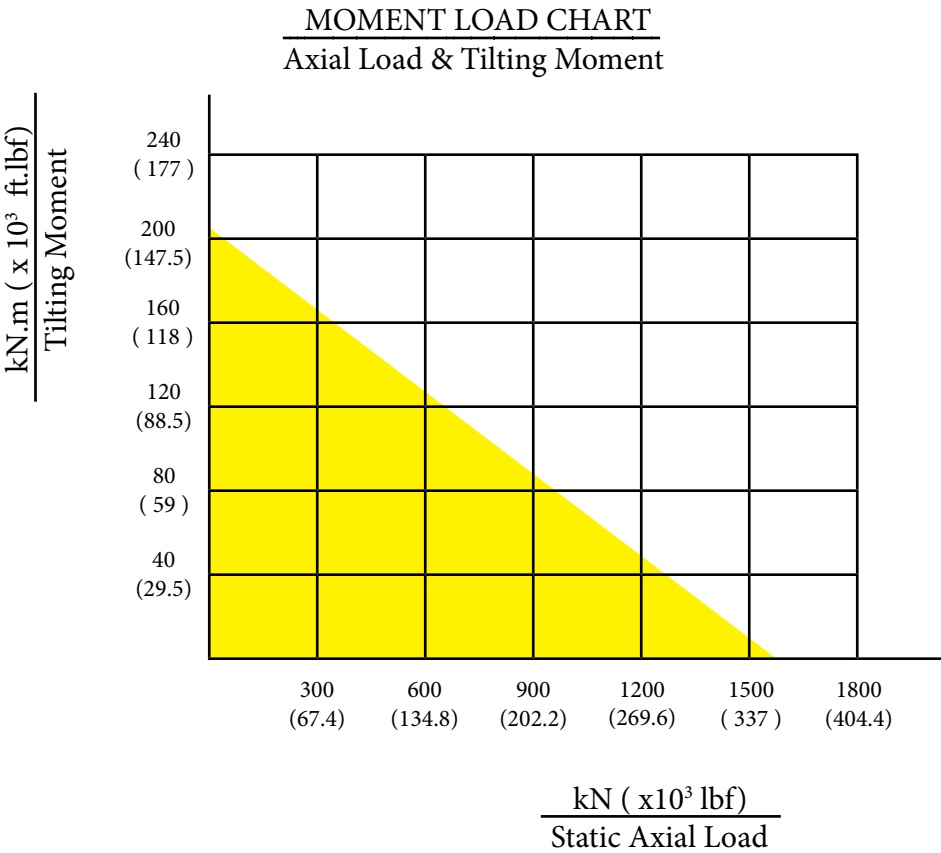


WEA21 | Slew Drive



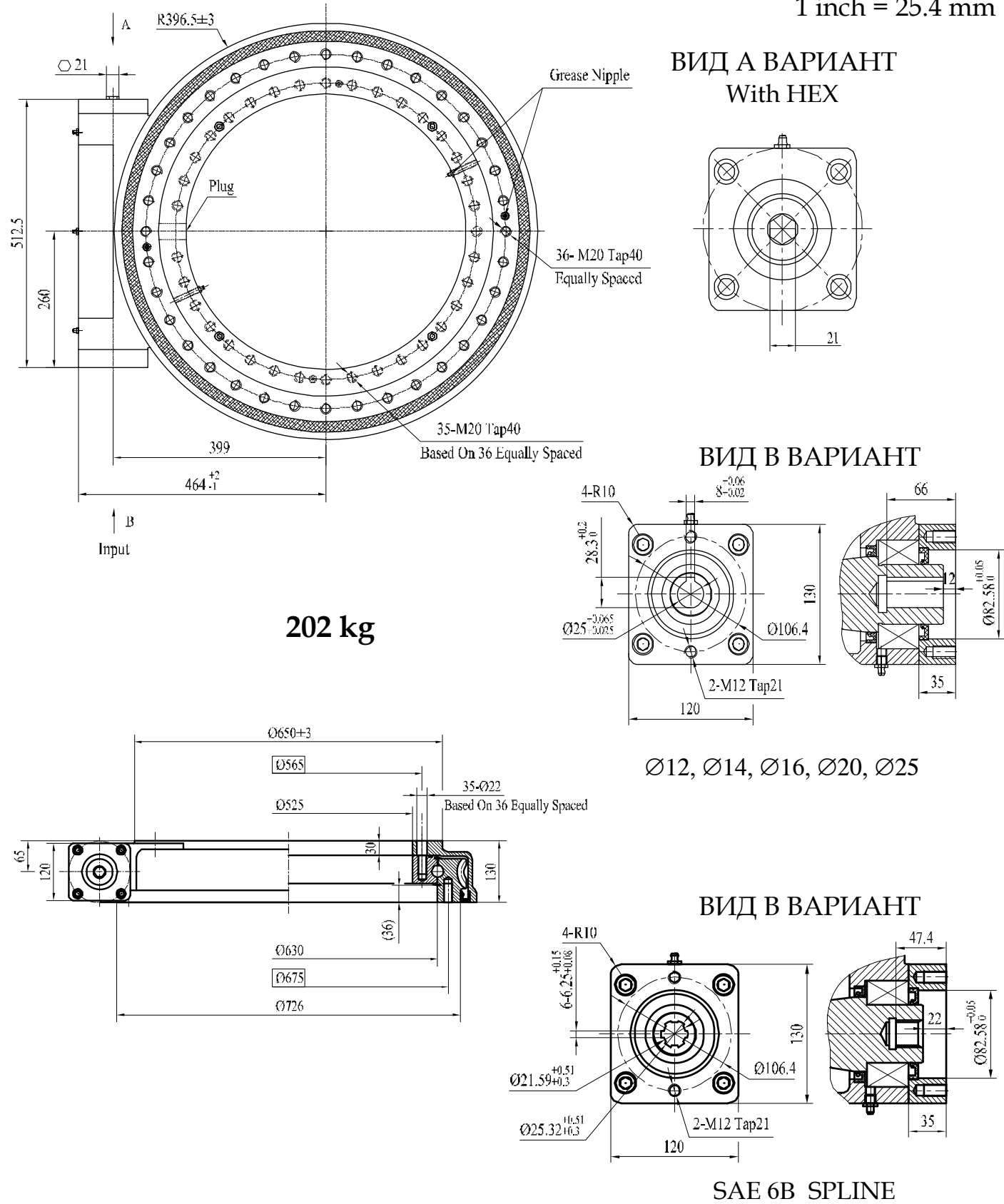
WEA21 | Slew Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	78.1 x 10³ ft.lbf	359 x 10³ lbf	144 x 10³ lbf	87 x 10³ lbf	75 x 10³ lbf			



WEA25 | Slew Drive

UNITS : mm
1 inch = 25.4 mm



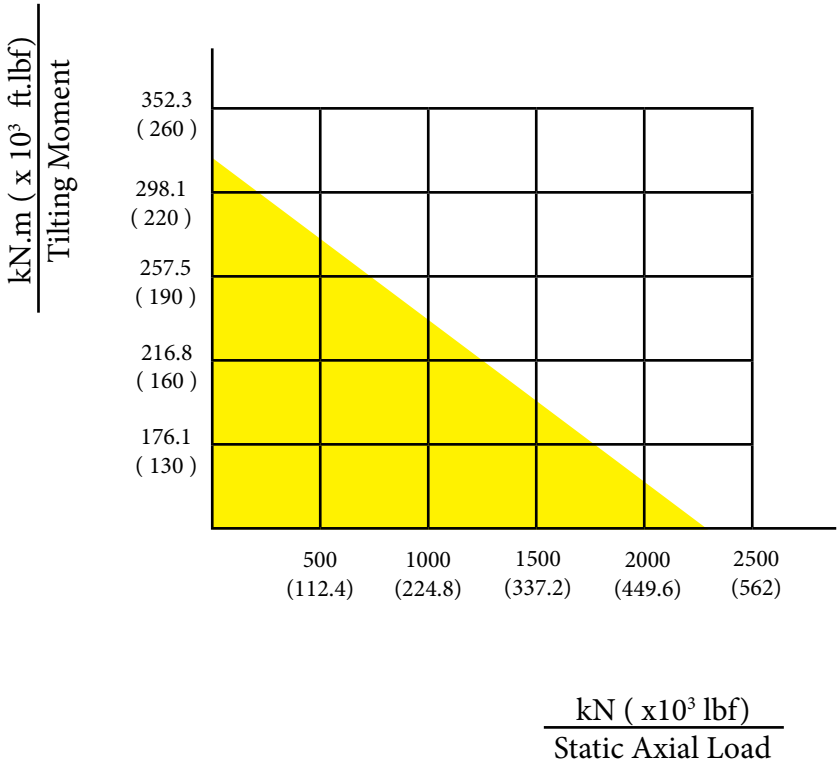
WEA25 | Slew Drive



WEA25 | Slew Drive Performance Parameters

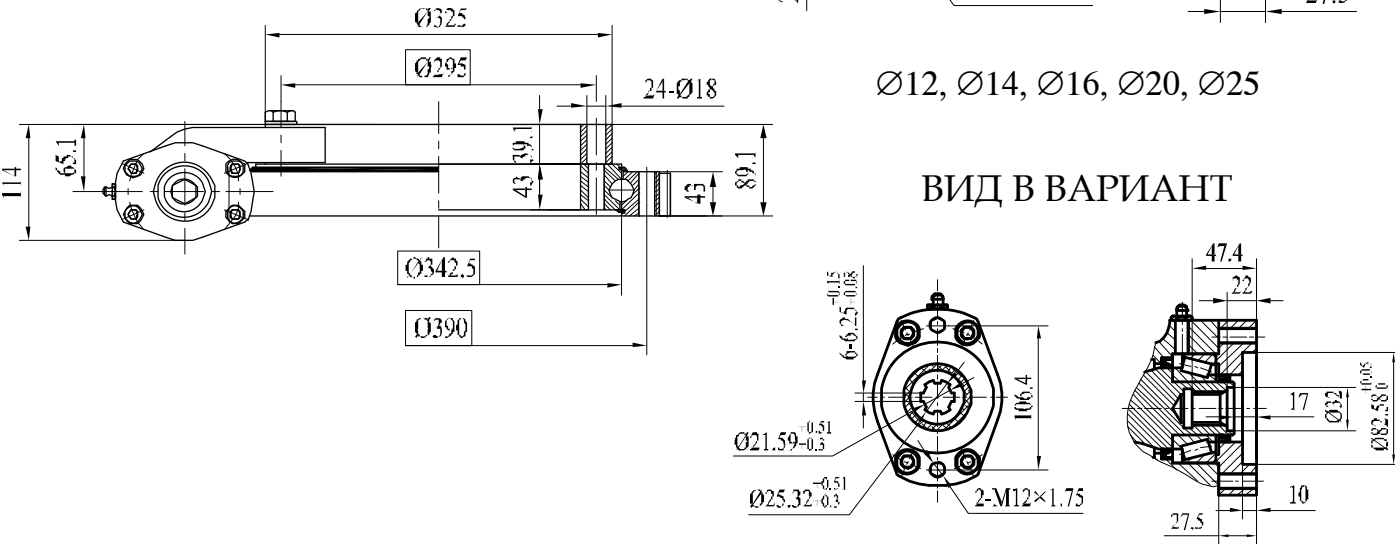
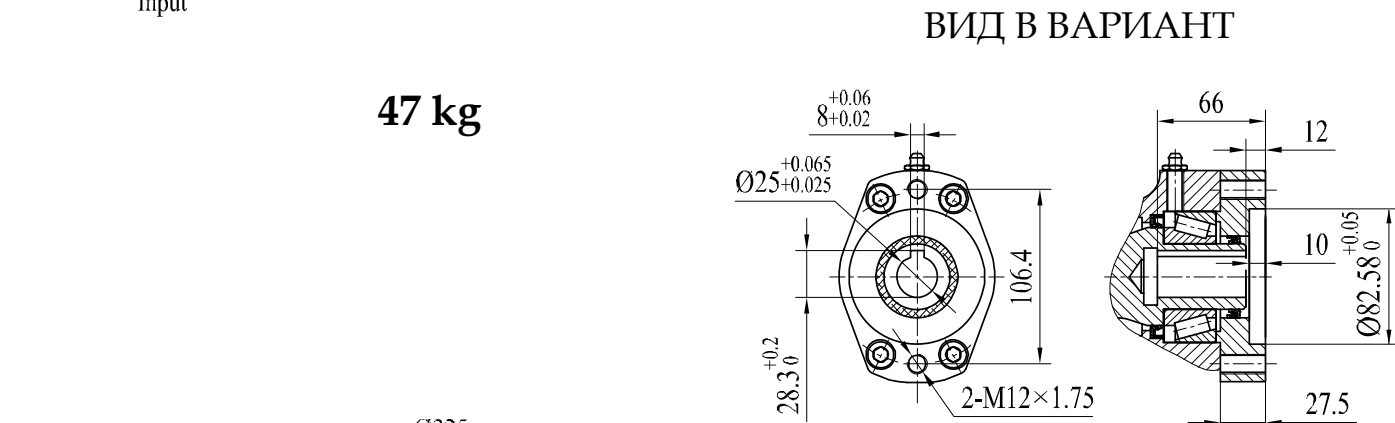
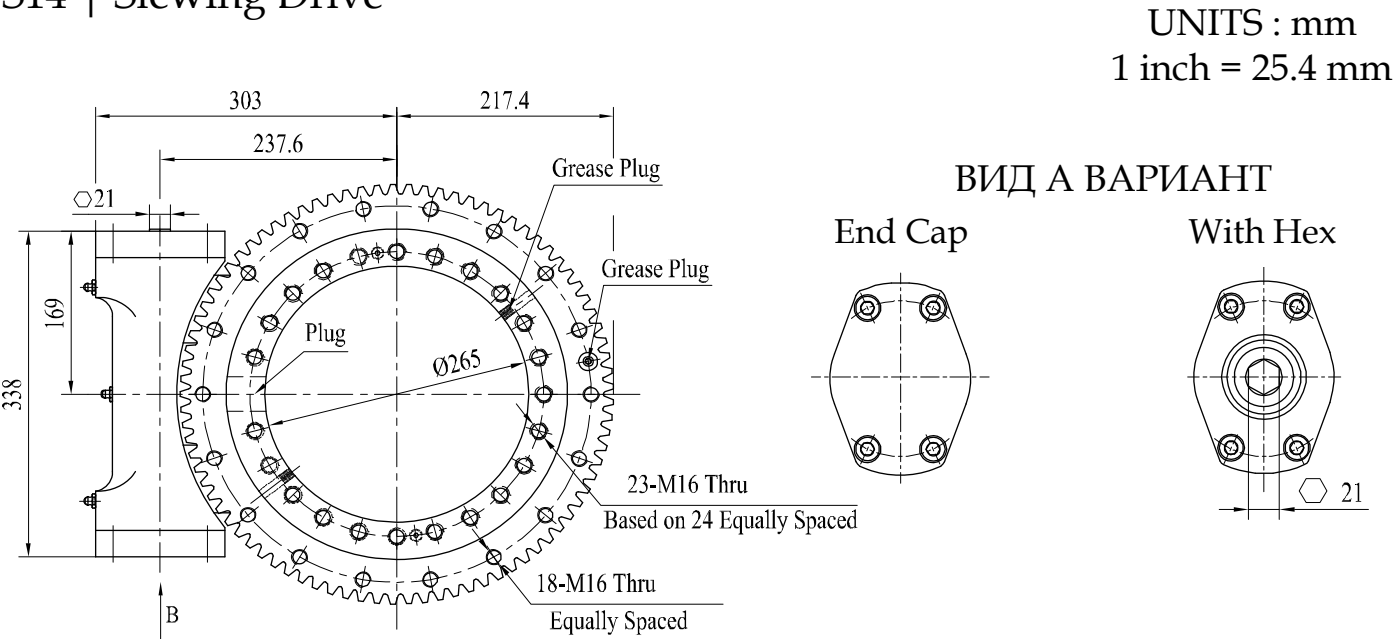
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
WEA25	34.2 kN.m	310 kN.m	158.3 kN.m	2360 kN	945 kN	590 kN	470 kN	104 : 1	≤ 0.1°	202 kg
	25240 ft.lbf	229 x 10³ ft.lbf	117 x 10³ ft.lbf	531 x 10³ lbf	212 x 10³ lbf	133 x 10³ lbf	106 x 10³ lbf			

MOMENT LOAD CHART
Axial Load & Tilting Moment



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S14 | Slewing Drive



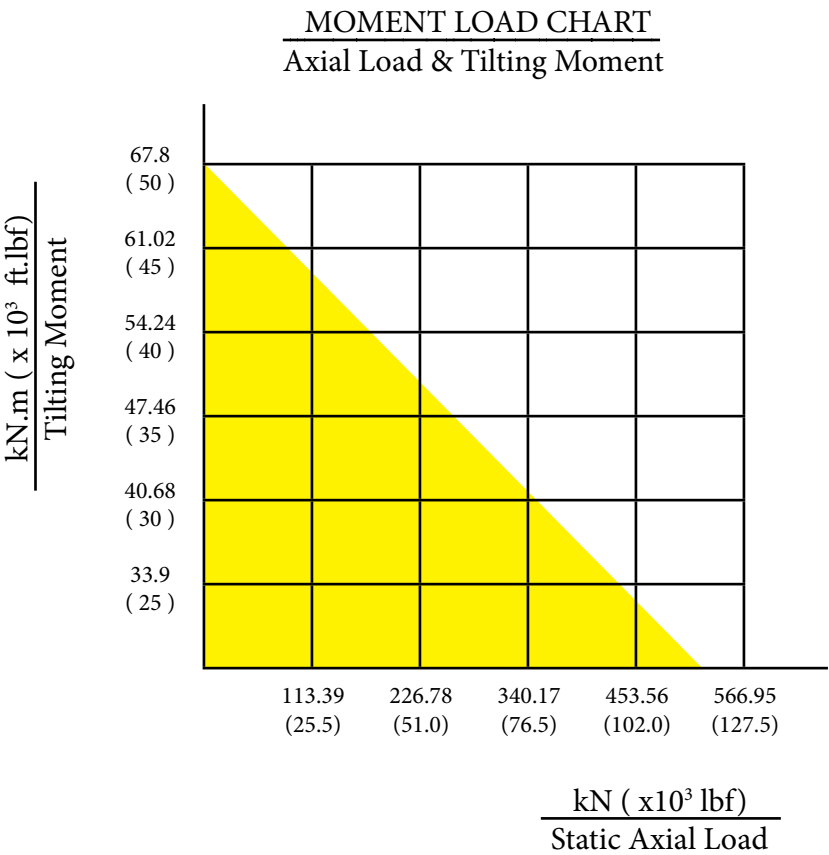
SAE 6B SPLINE

S14 | Slewing Drive



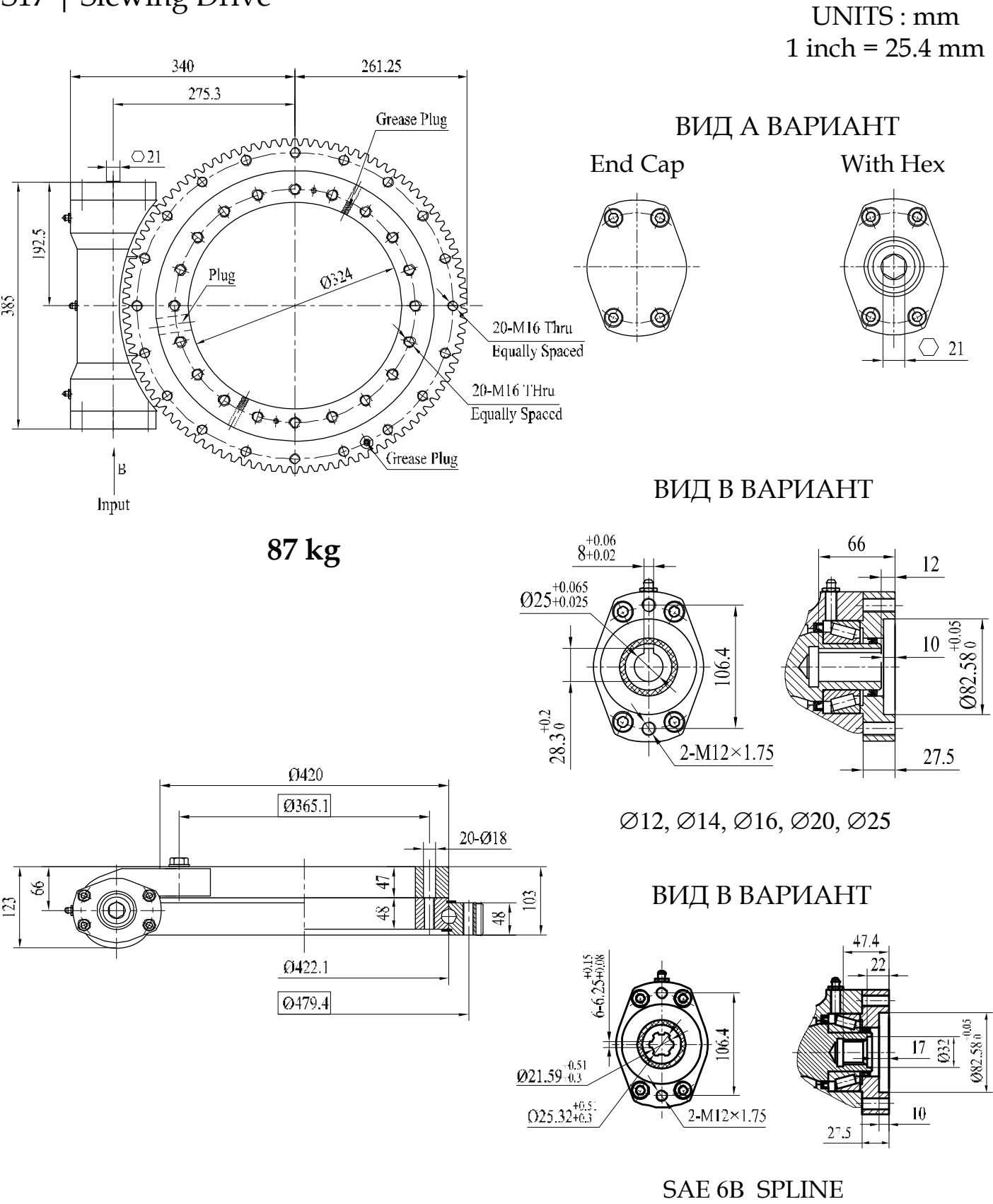
S14 | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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			

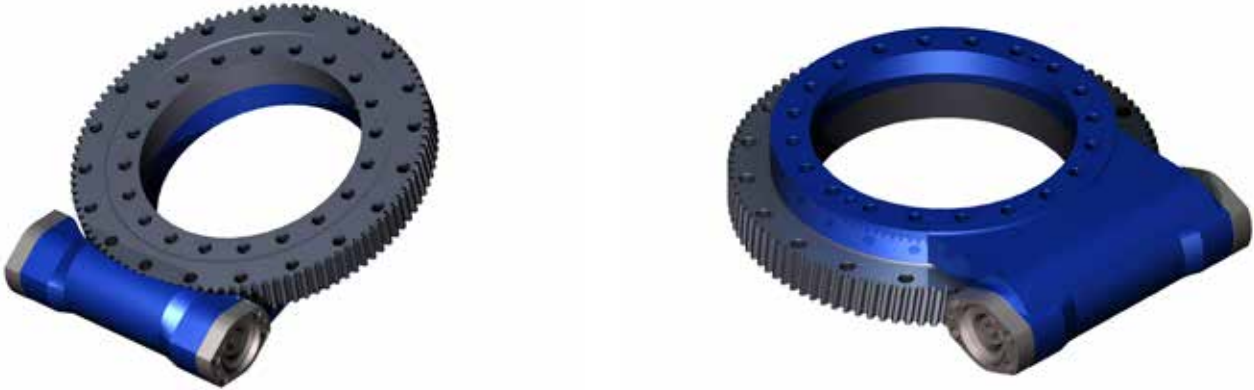


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S17 | Slewing Drive

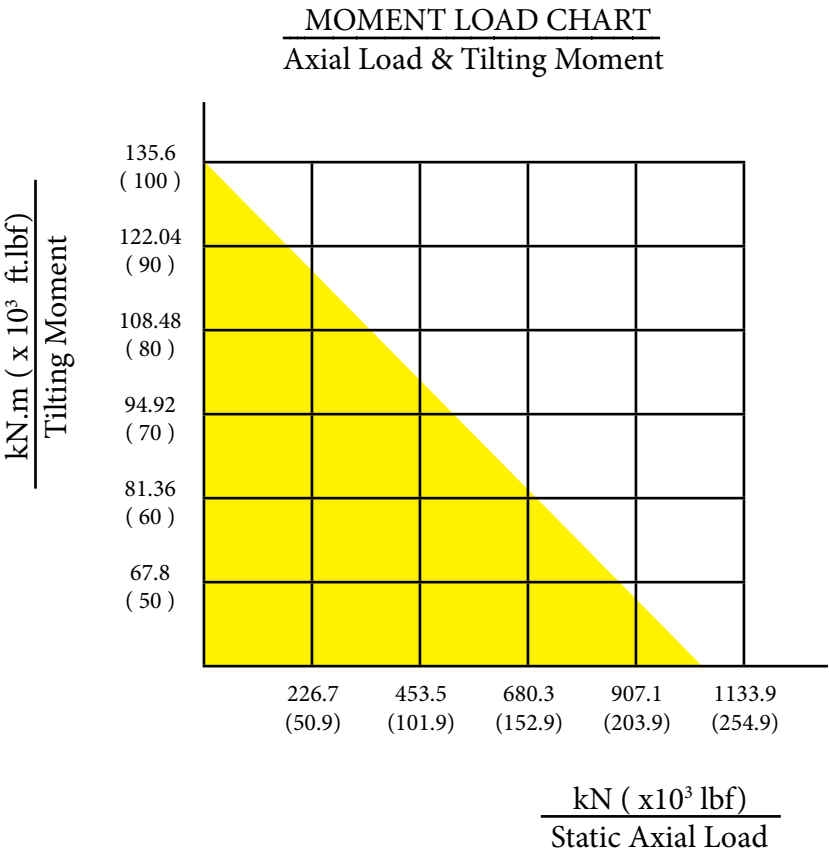


S17 | Slewing Drive



S17 | Slewing Drive Performance Parameters

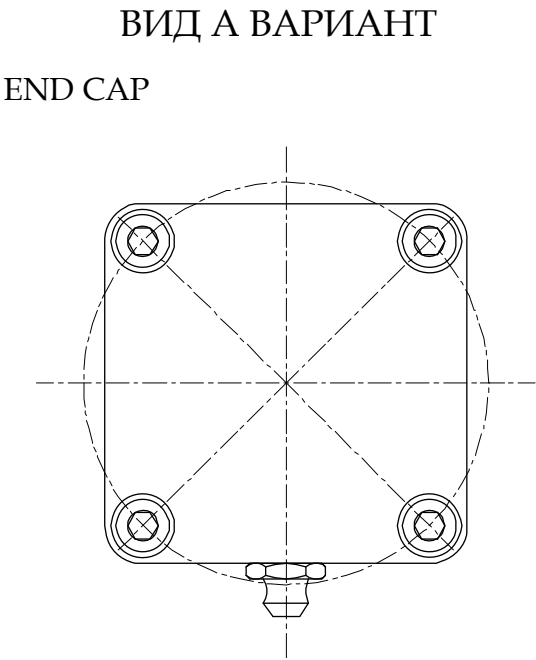
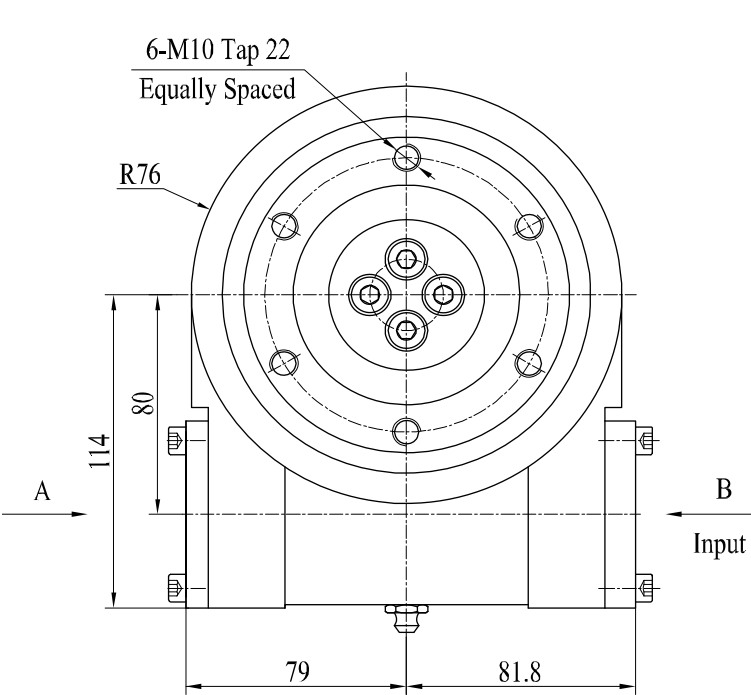
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
S17	10 kN.m	135.6 kN.m	72.3 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	≤ 0.15°	87 kg
	7400 ft.lbf	100 x 10³ ft.lbf	53 x 10³ ft.lbf	218 x 10³ lbf	88 x 10³ lbf	53 x 10³ lbf	46 x 10³ lbf			



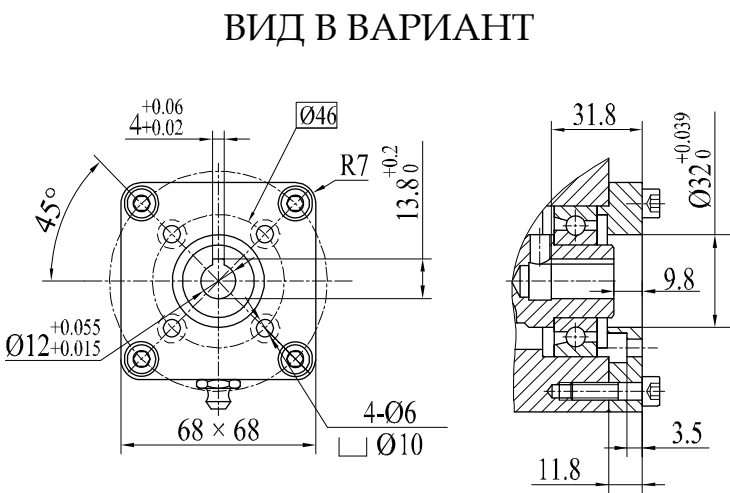
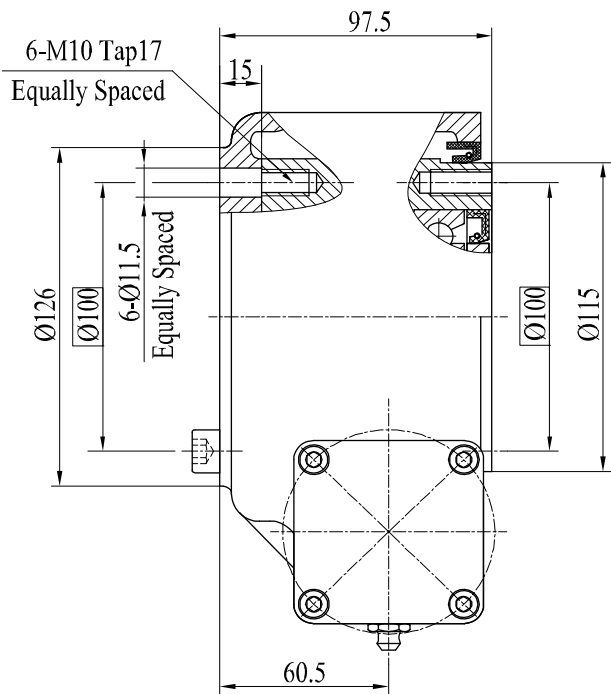
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SE3C/PE3C | Slewing Drive

UNITS : mm
1 inch = 25.4 mm



12 kg



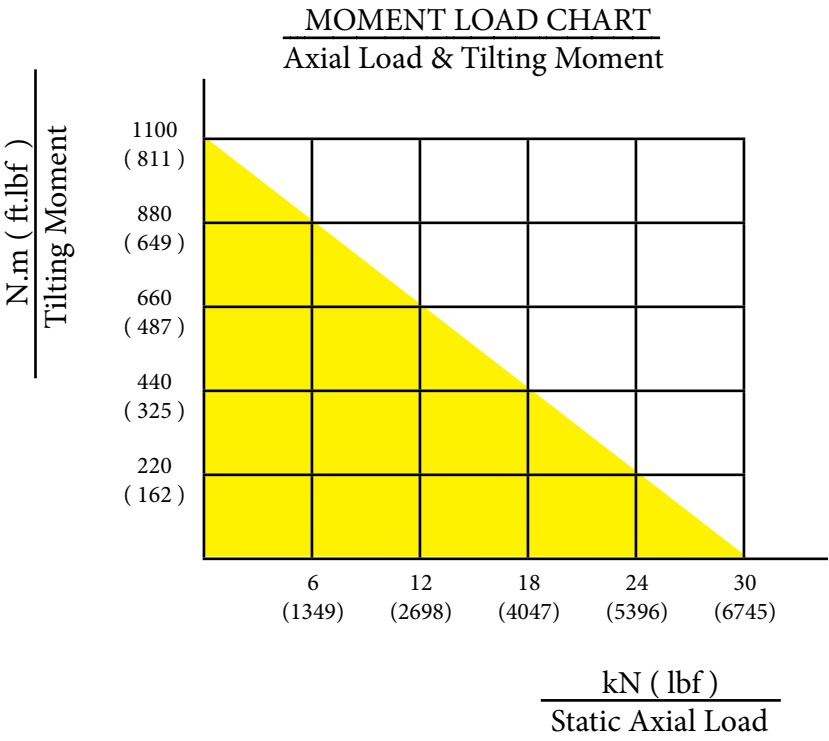
Ø12, Ø14, Ø16

SE3C/PE3C | Slewing Drive



SE3C/PE3C | Slewing Drive Performance Parameters

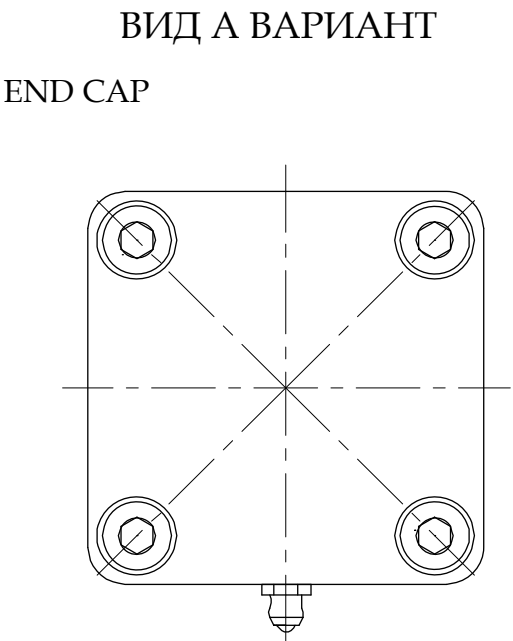
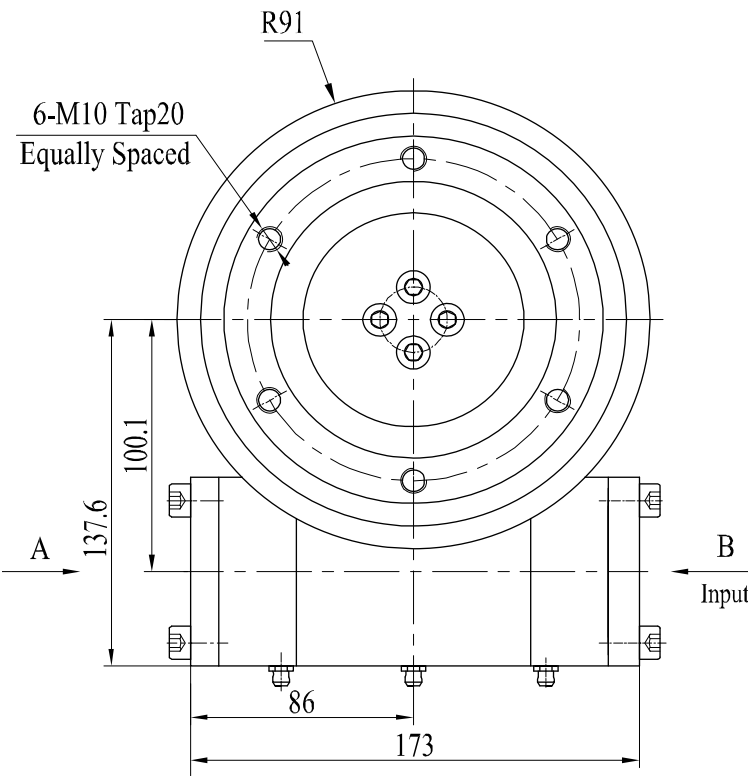
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
SE3C	400 N.m	1100 N.m	2000 N.m	30 kN	16.6 kN	9.6 kN	8.4 kN	62 : 1	≤ 0.2°	12 kg
	295 ft.lbf	811 ft.lbf	1475 ft.lbf	6744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



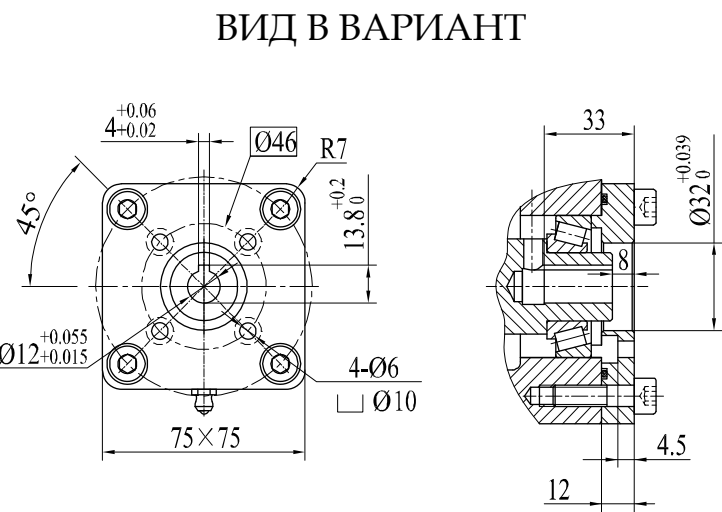
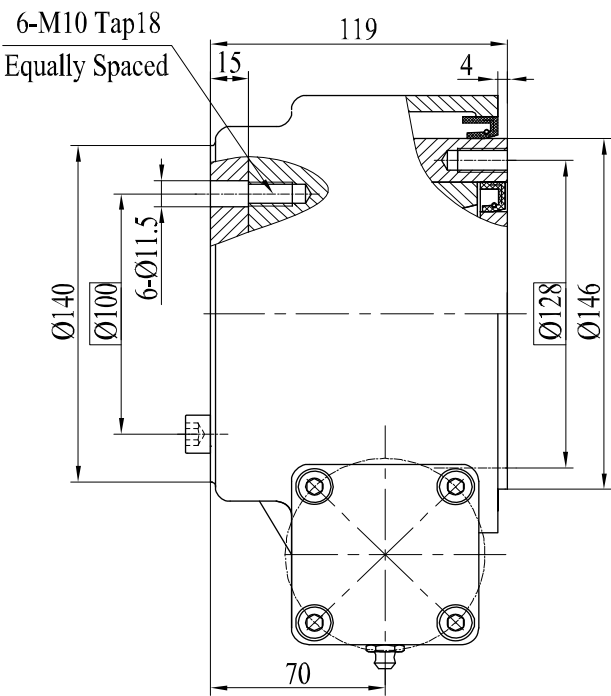
ВНИМАНИЕ:
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SE5A/PE5A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm

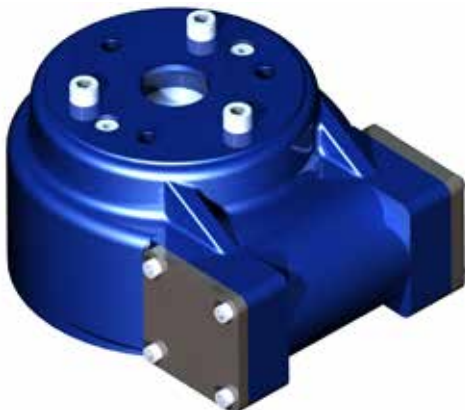
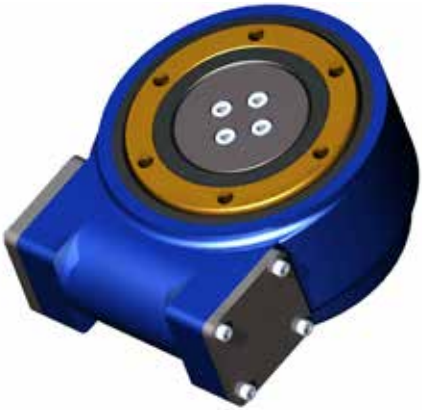


20 kg



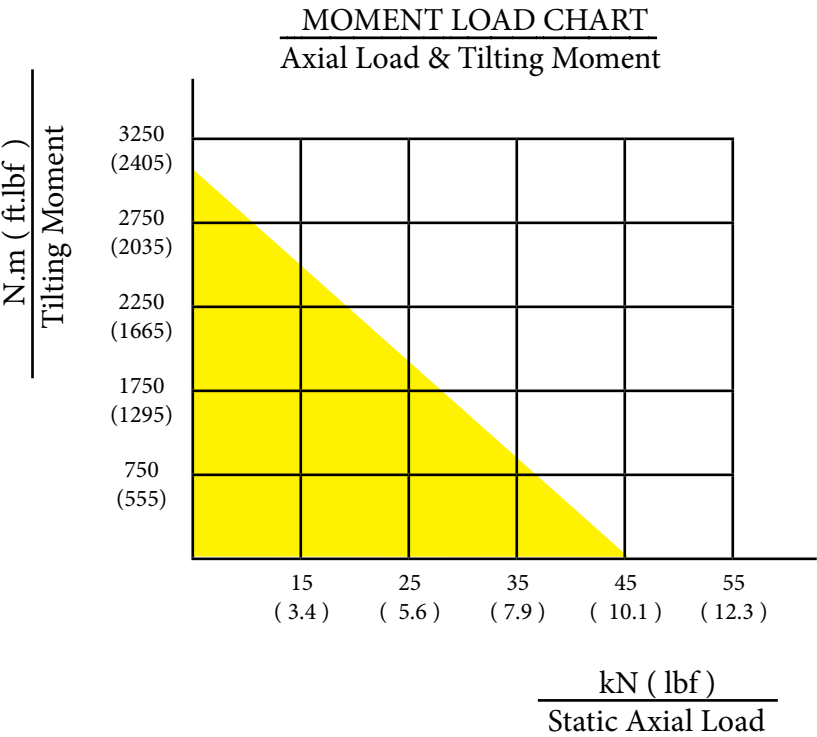
Ø12, Ø14, Ø16

SE5A/PE5A | Slewing Drive



SE5A/PE5A | Slewing Drive Performance Parameters

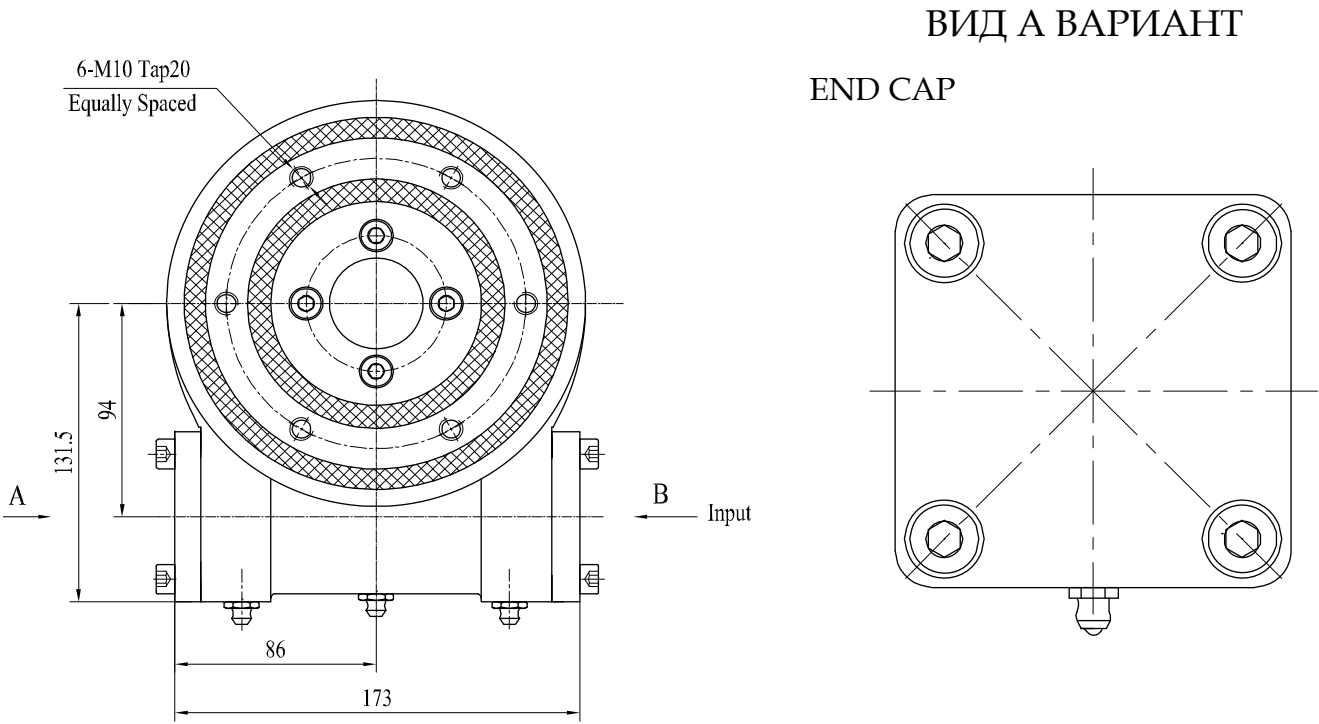
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
SE5A	600 N.m	3000 N.m	5500 N.m	45 kN	22 kN	14.4 kN	11.1 kN	62 : 1	≤ 0.2°	20 kg
	442.5 ft.lbf	2212.5 ft.lbf	4056.25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



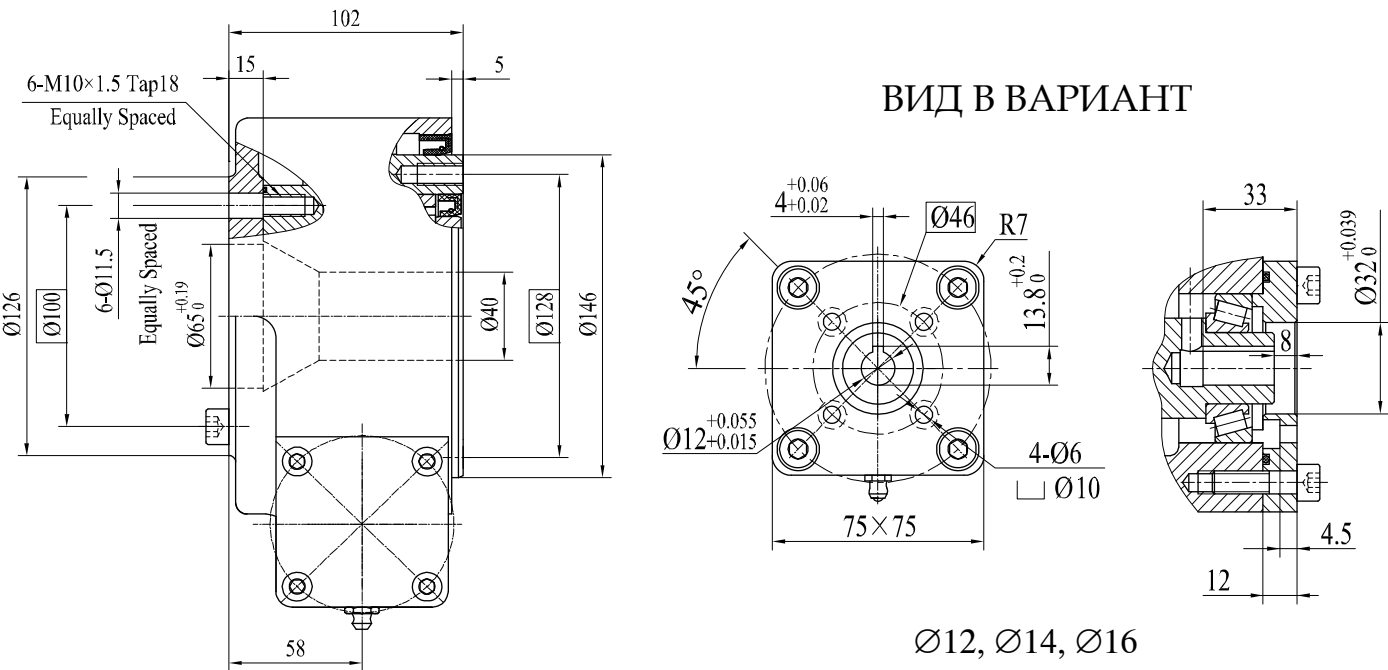
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SE5C/PE5C | Slewing Drive

UNITS : mm
1 inch = 25.4 mm



16 kg



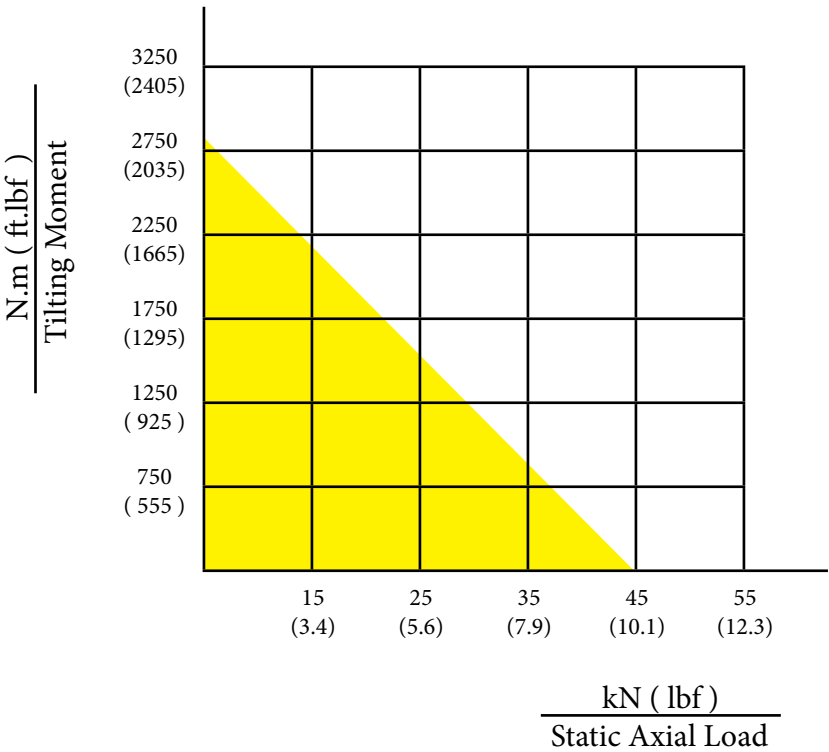
SE5C/PE5C | Slewing Drive



SE5C/PE5C | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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			

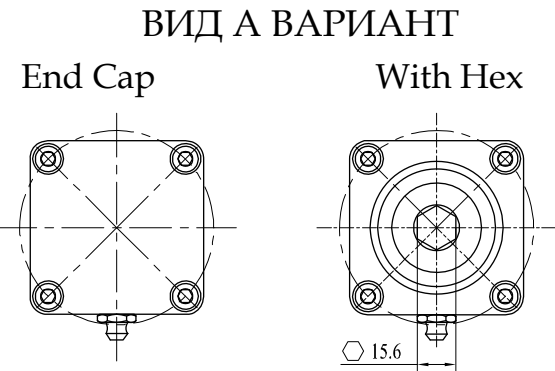
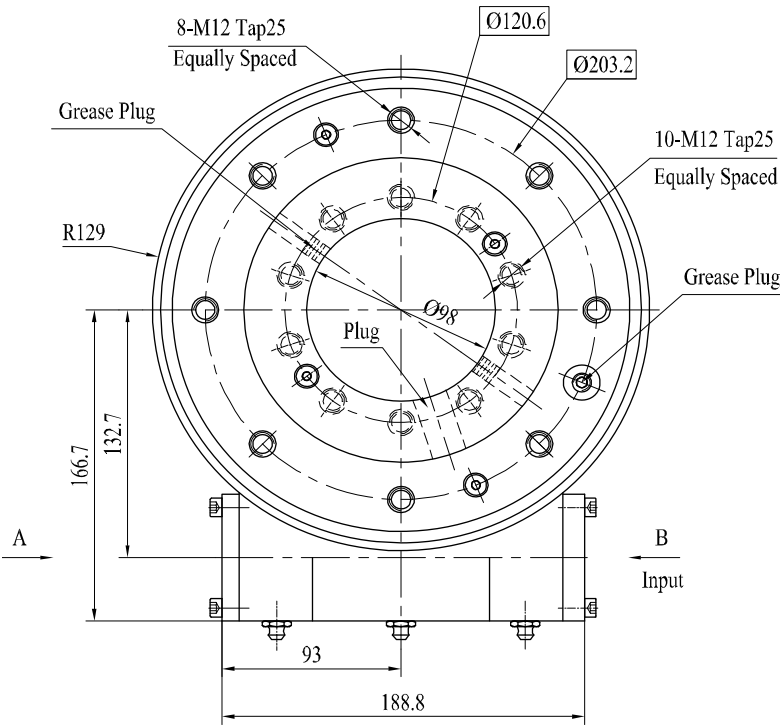
MOMENT LOAD CHART
Axial Load & Tilting Moment



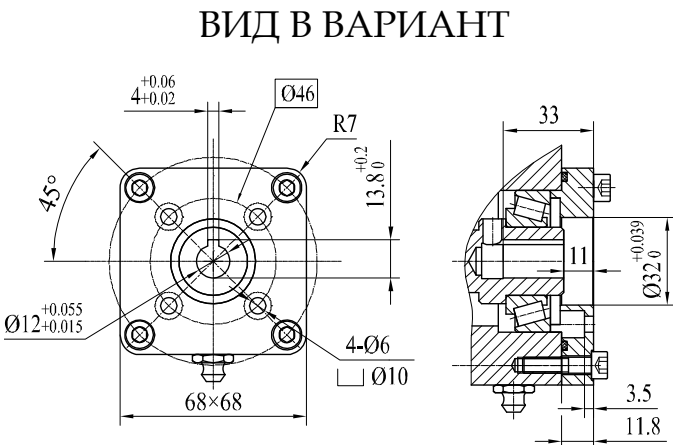
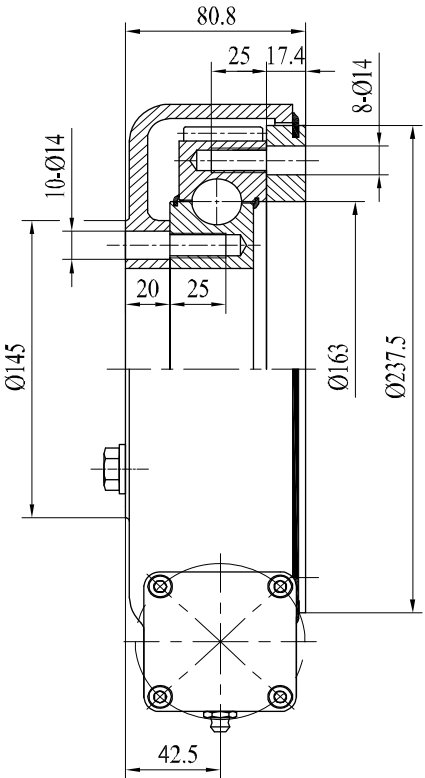
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SE7/PE7 | Slewing Drive

UNITS : mm
1 inch = 25.4 mm



21 kg



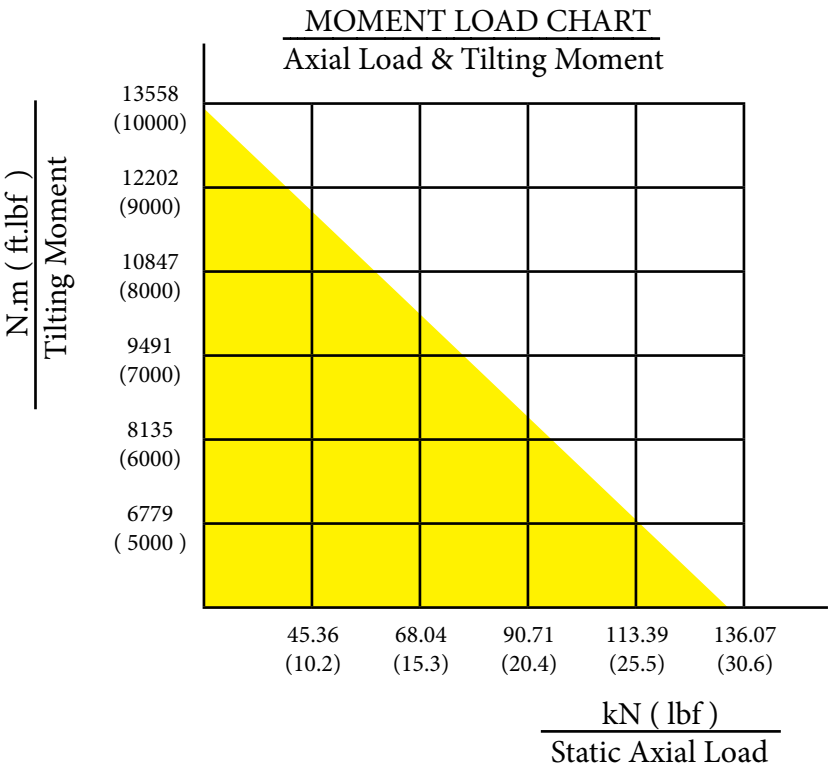
Ø12, Ø14, Ø16

SE7/PE7 | Slewing Drive



SE7/PE7 | Slewing Drive Performance Parameters

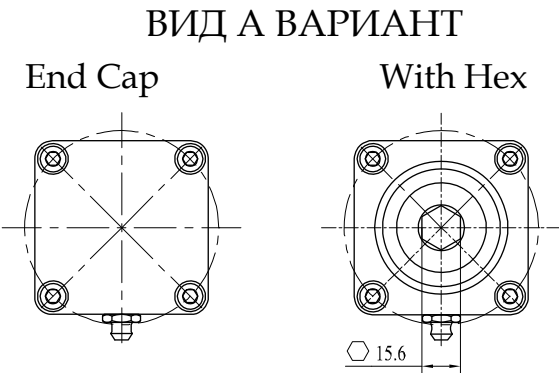
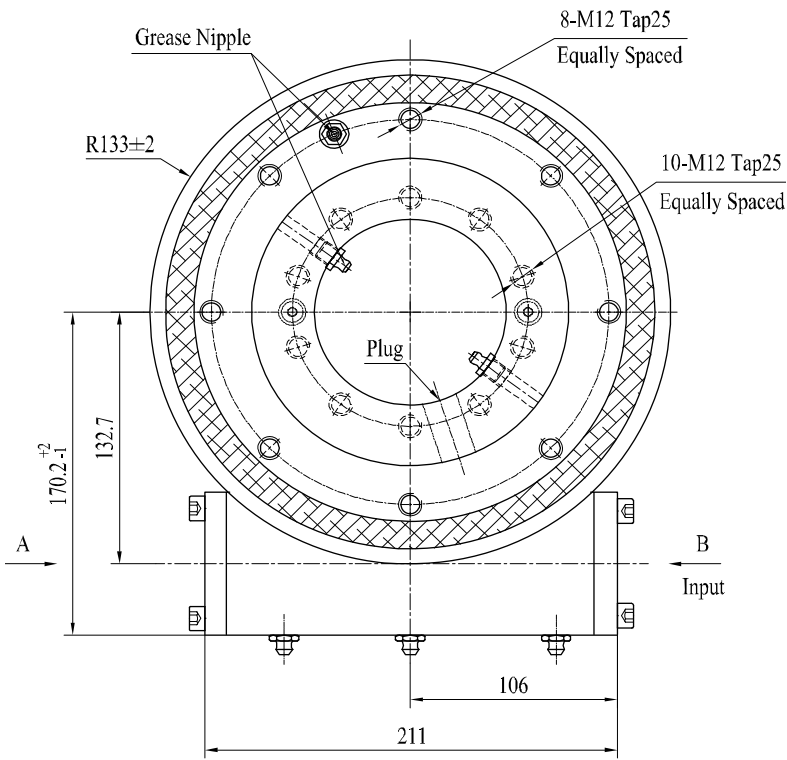
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
SE7	1500 N.m	13500 N.m	10400 N.m	133 kN	53 kN	32 kN	28 kN	73 : 1	≤ 0.2°	21 kg
	1107 ft.lbf	9957 ft.lbf	7671 ft.lbf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



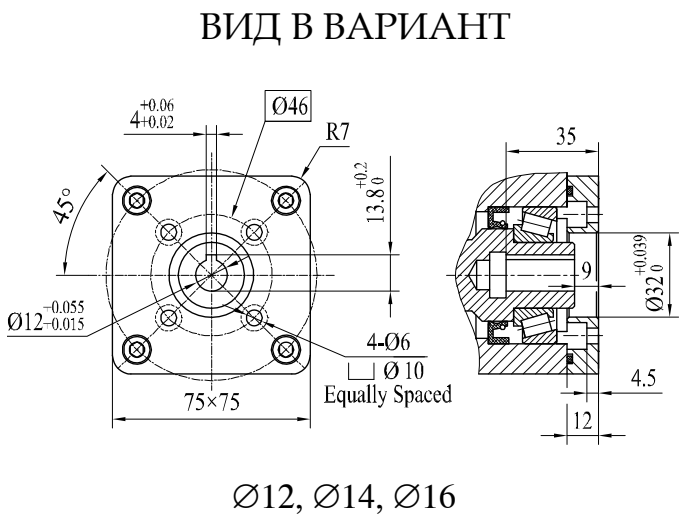
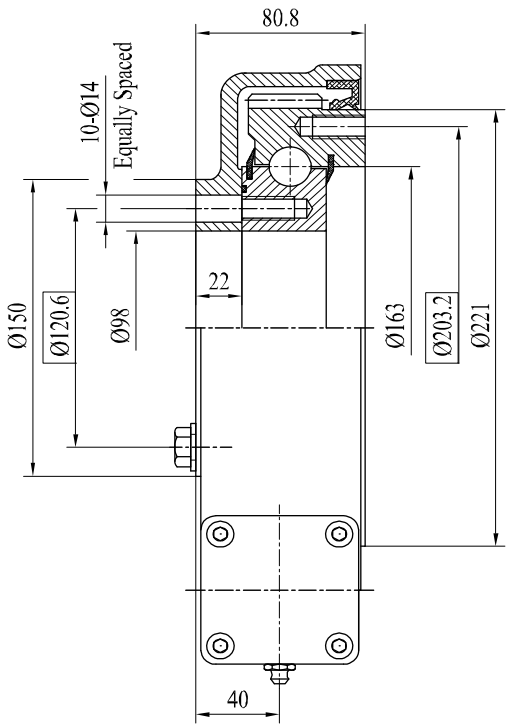
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SE7A/PE7A | Slewing Drive

UNITS : mm
1 inch = 25.4 mm



25 kg



Ø12, Ø14, Ø16

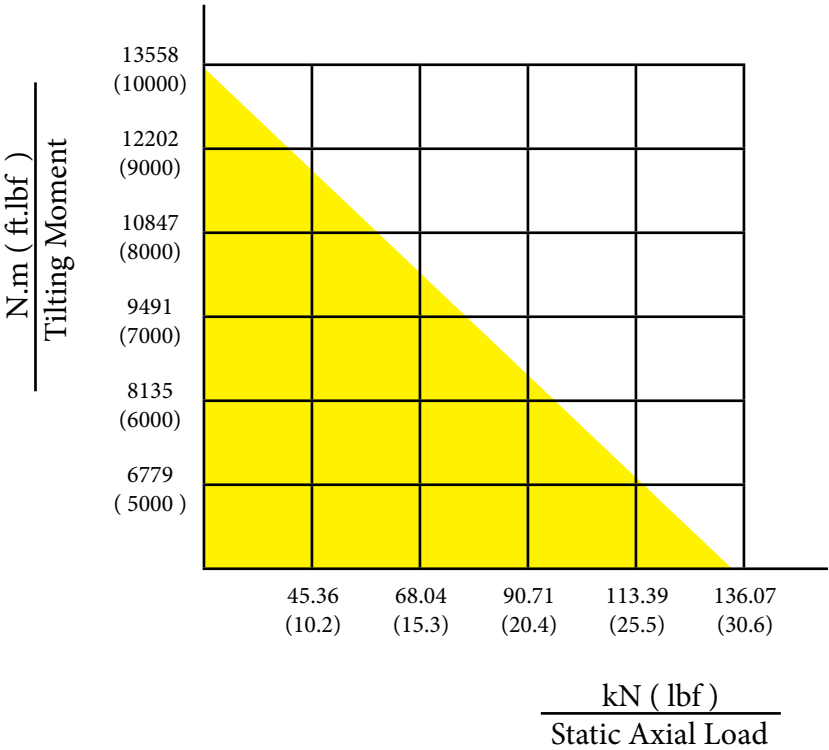
SE7A/PE7A | Slewing Drive



SE7A/PE7A | Slewing Drive Performance Parameters

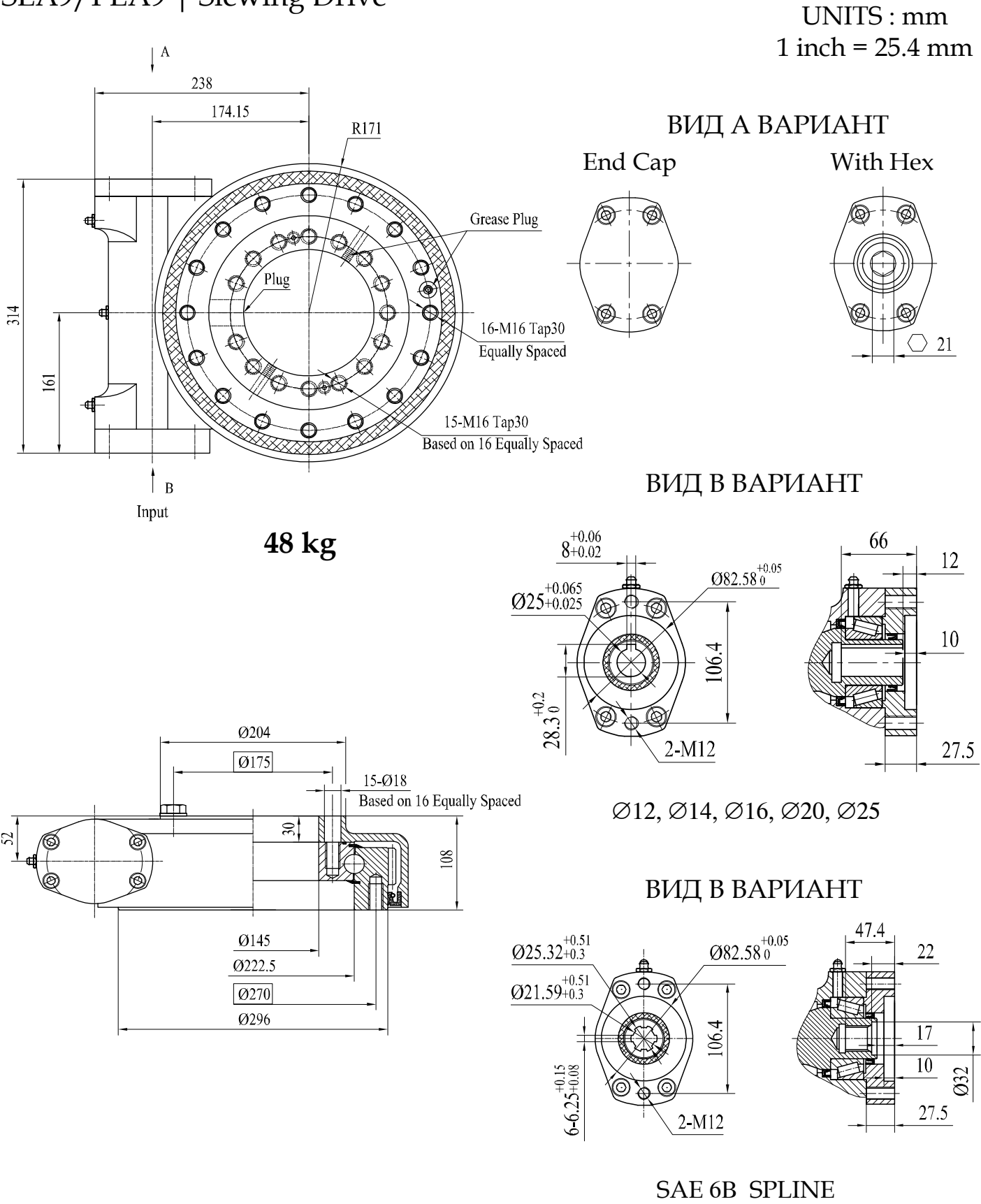
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
SE7A	1500 N.m	13500 N.m	10400 N.m	133 kN	53 kN	32 kN	28 kN	73 : 1	≤ 0.2°	25 kg
	1107 ft.lbf	9957 ft.lbf	7671 ft.lbf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



ВНИМАНИЕ:
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SEA9/PEA9 | Slewing Drive

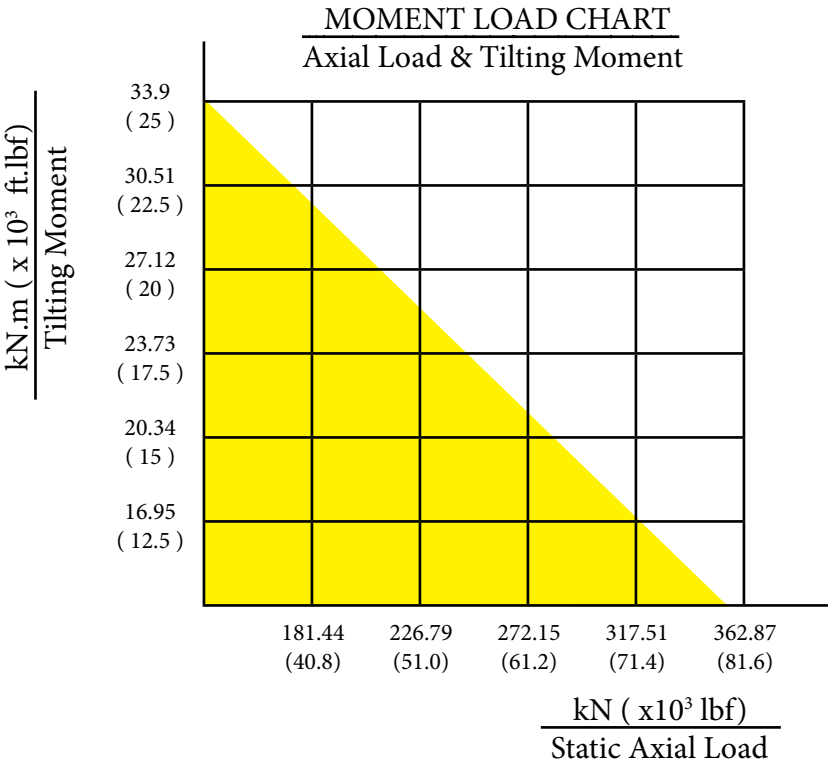


SEA9/PEA9 | Slewing Drive



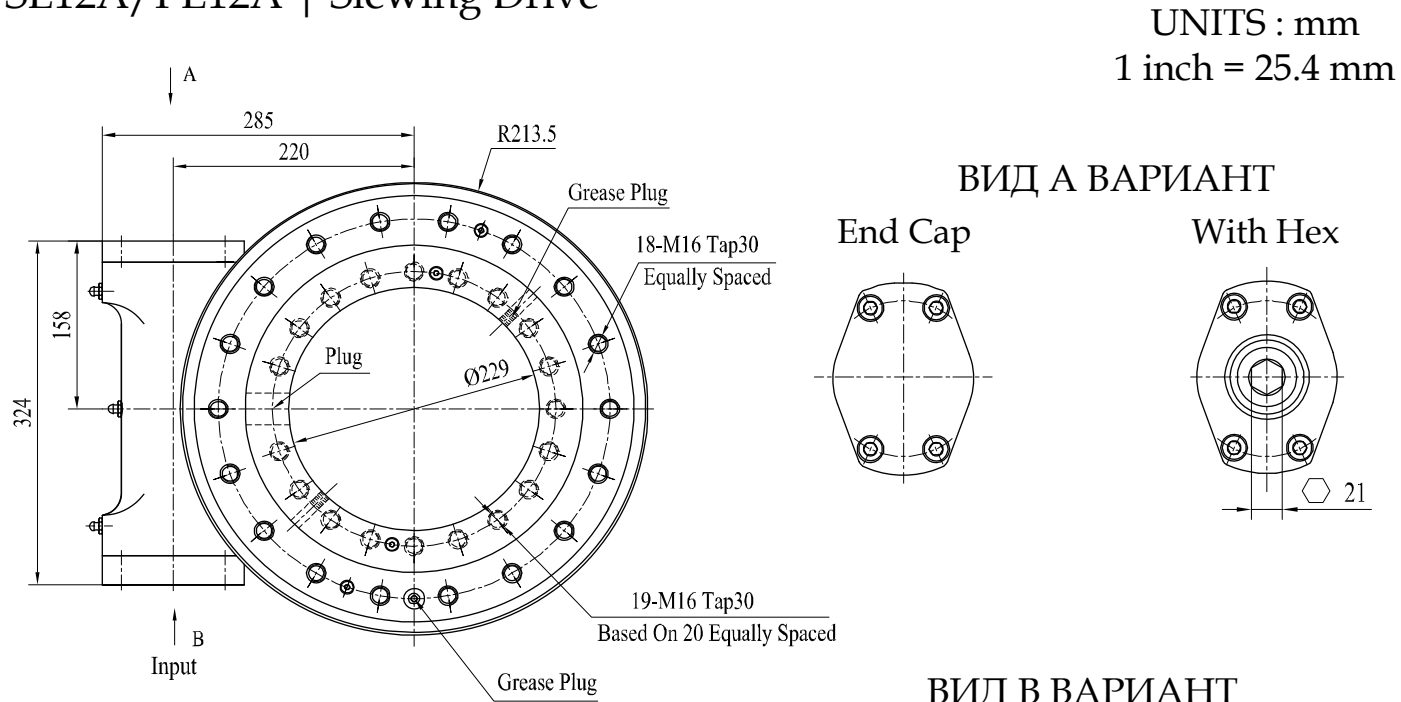
SEA9/PEA9 | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	29 X 10³ ft.lbf	76 X 10³ lbf	30 X 10³ lbf	18 X 10³ lbf	16 X 10³ 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 10³ ft.lbf	29 X 10³ ft.lbf	76 X 10³ lbf	30 X 10³ lbf	18 X 10³ lbf	16 X 10³ lbf			

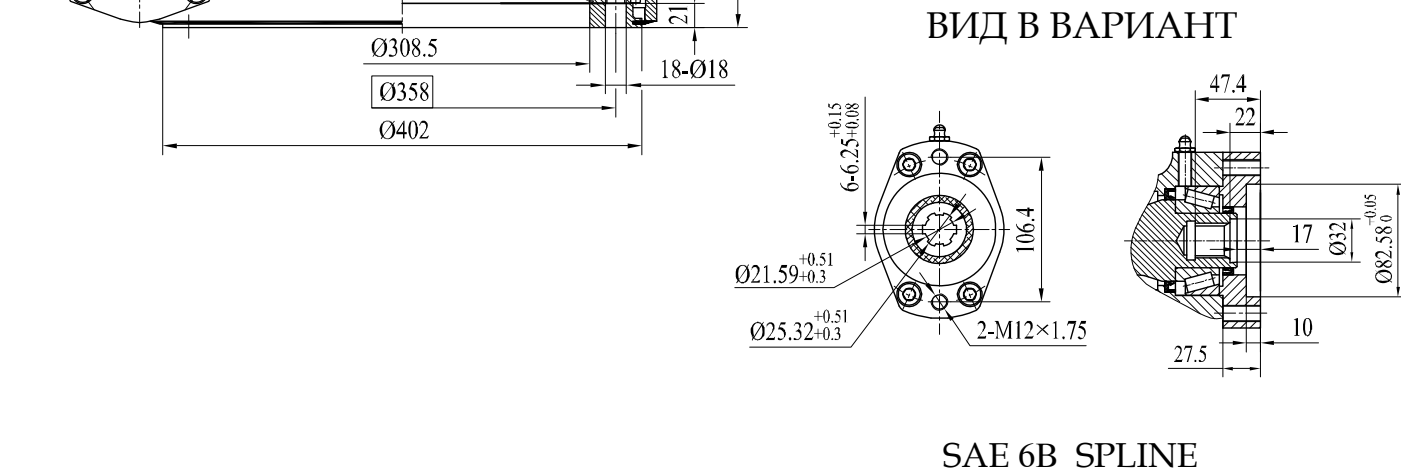
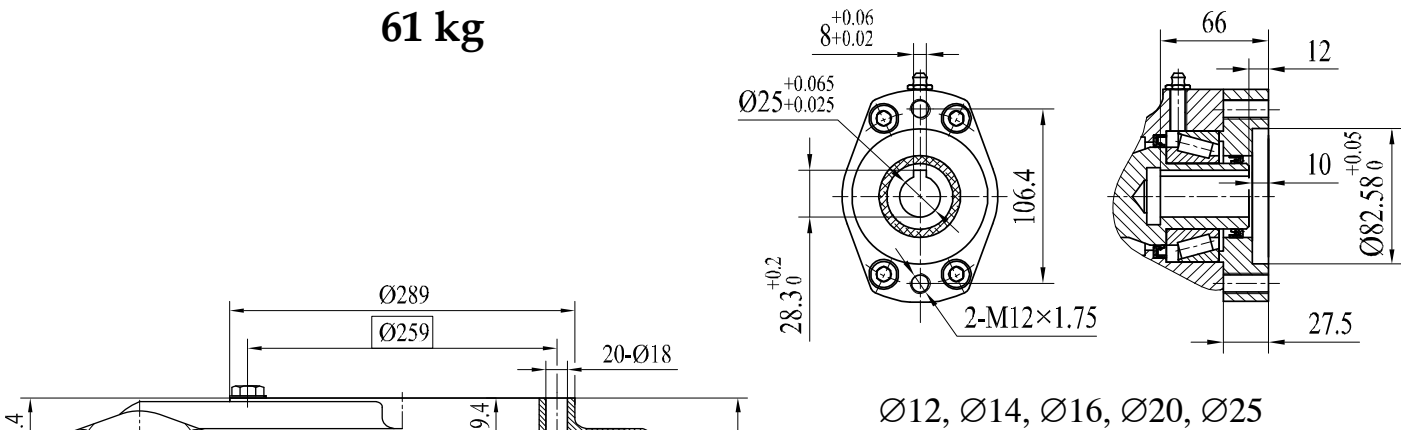


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SE12A/PE12A | Slewing Drive



61 kg

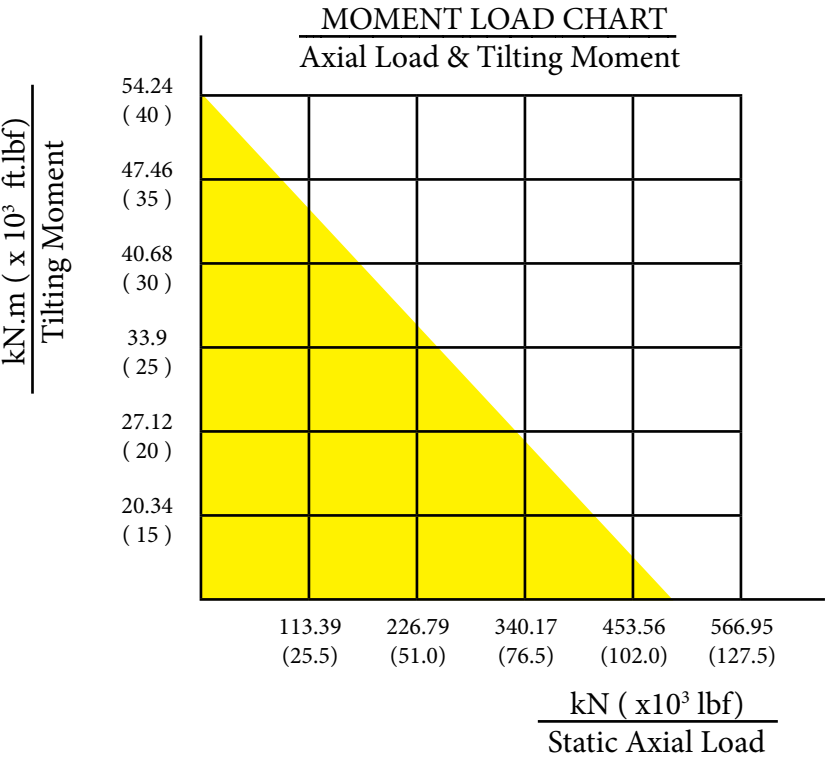


SE12A/PE12A | Slewing Drive



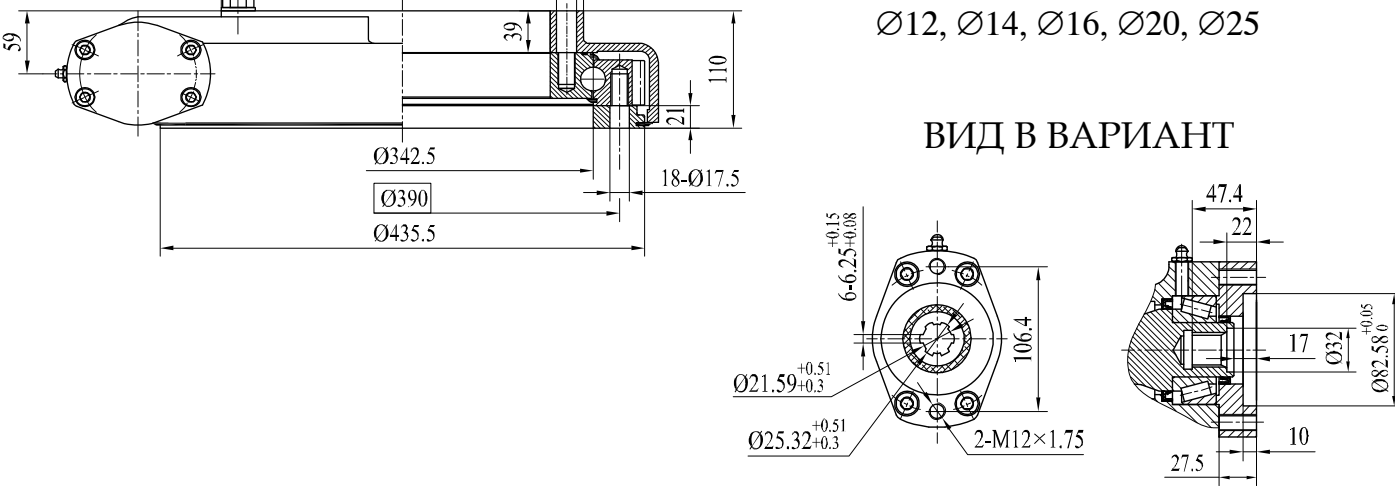
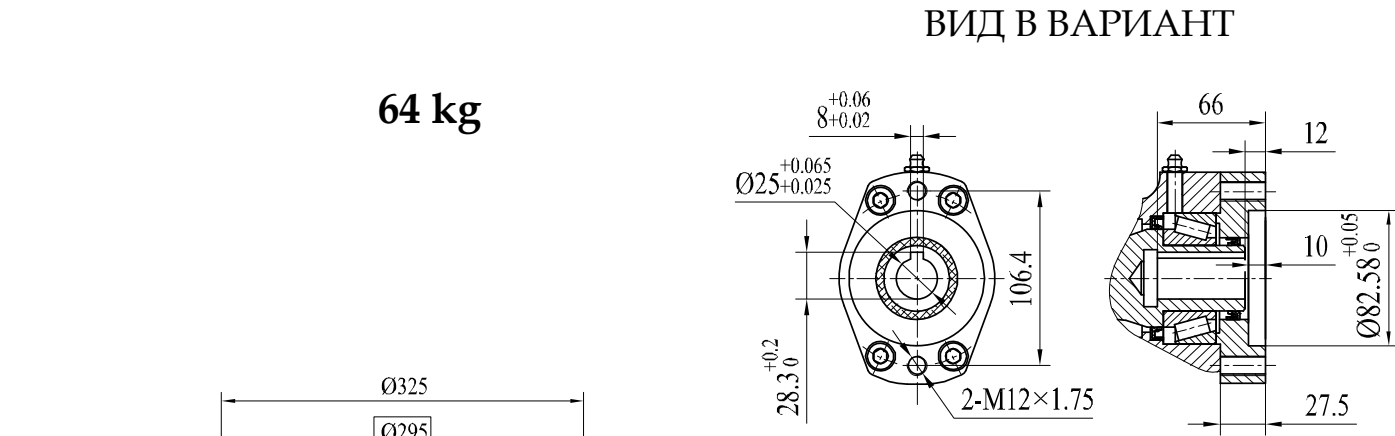
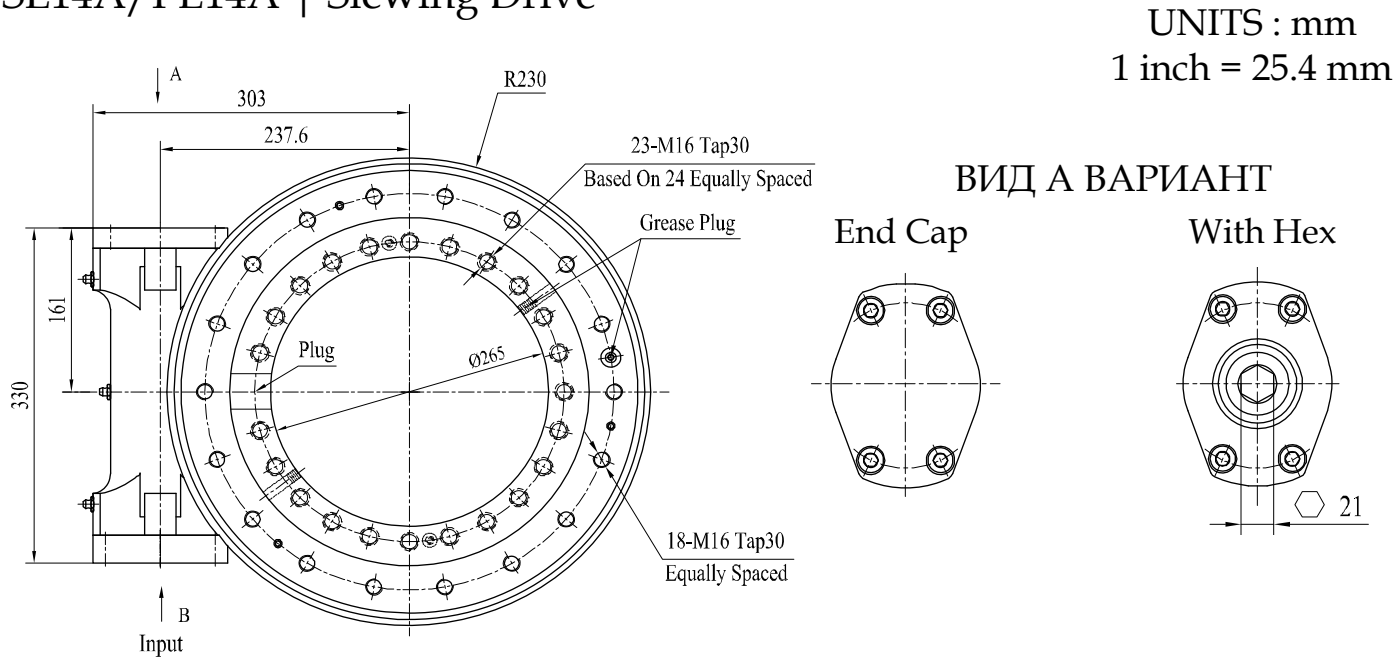
SE12A/PE12A | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	32 X 10³ ft.lbf	107 X 10³ lbf	43 X 10³ lbf	26 X 10³ lbf	23 X 10³ 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 10³ ft.lbf	32 X 10³ ft.lbf	107 X 10³ lbf	43 X 10³ lbf	26 X 10³ lbf	23 X 10³ lbf			



ВНИМАНИЕ:
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SE14A/PE14A | Slewing Drive



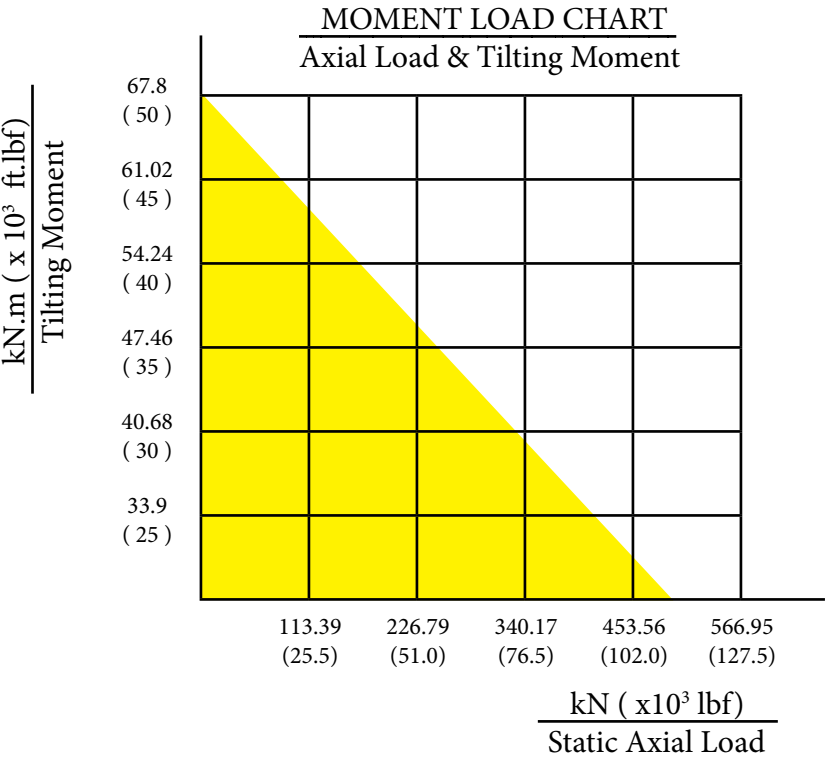
SAE 6B SPLINE

SE14A/PE14A | Slewing Drive



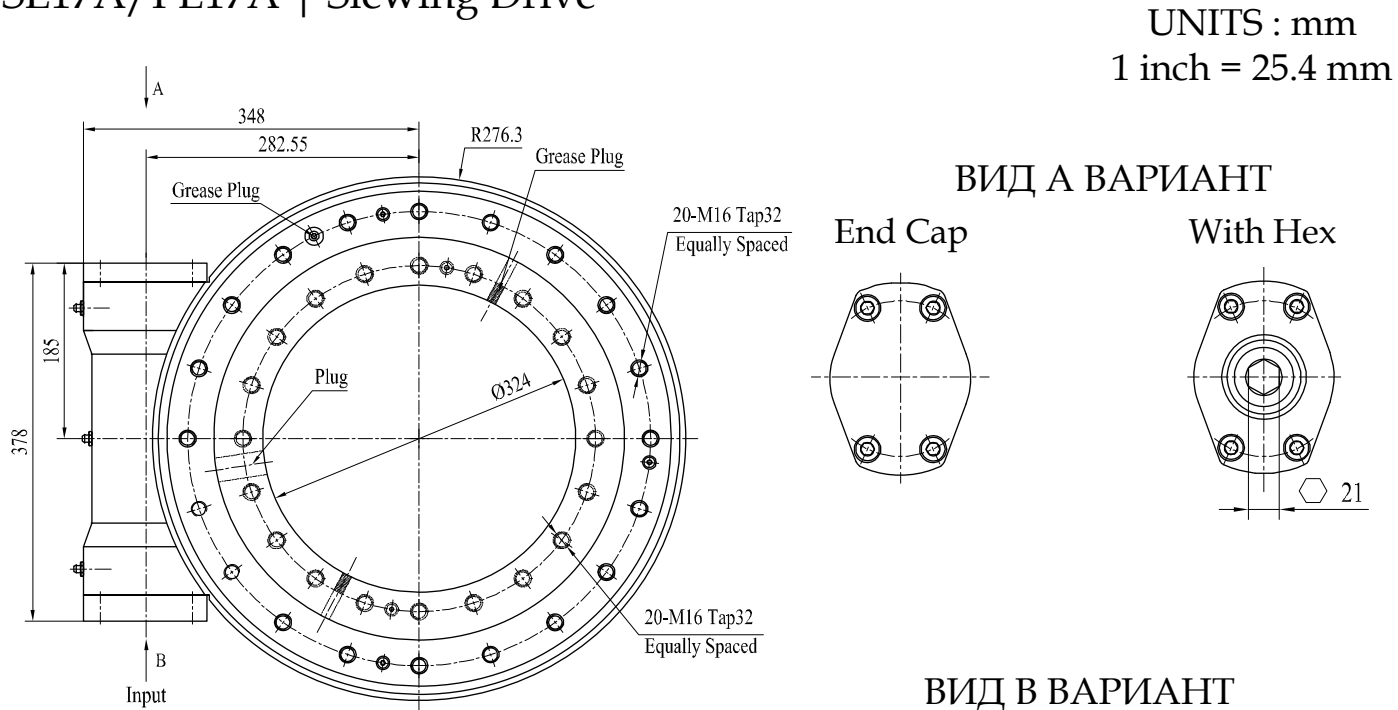
SE14A/PE14A | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	35 X 10³ ft.lbf	125 X 10³ lbf	50 X 10³ lbf	30 X 10³ lbf	26 X 10³ 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 10³ ft.lbf	35 X 10³ ft.lbf	125 X 10³ lbf	50 X 10³ lbf	30 X 10³ lbf	26 X 10³ lbf			

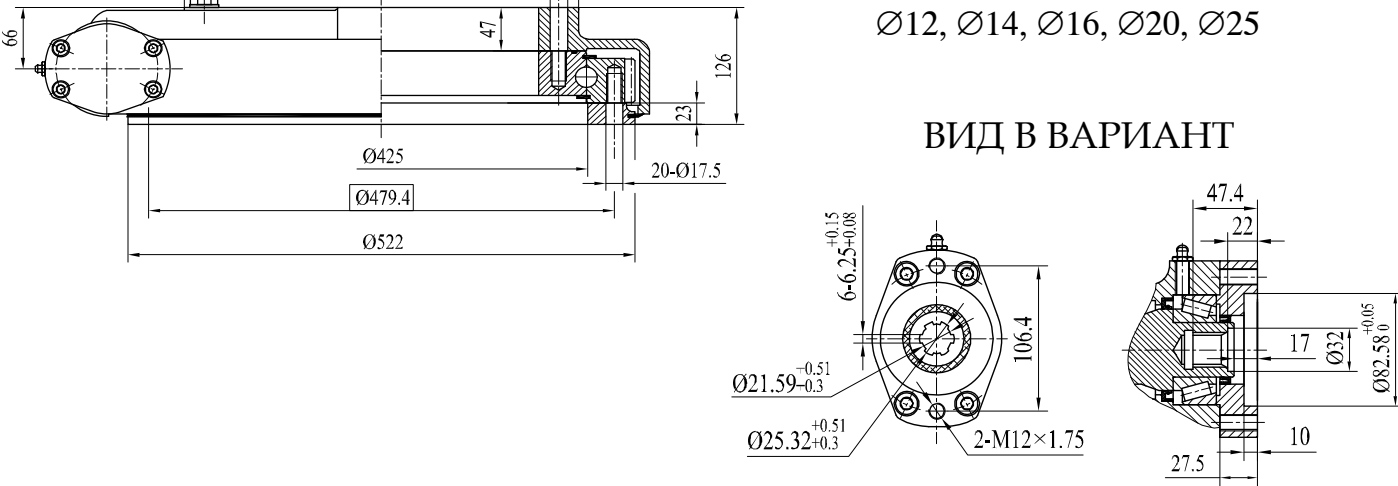
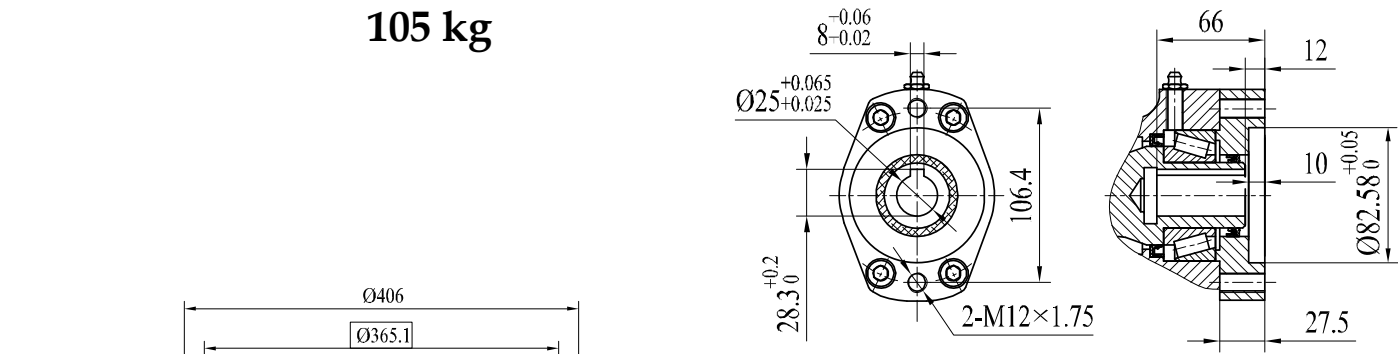


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SE17A/PE17A | Slewing Drive



105 kg



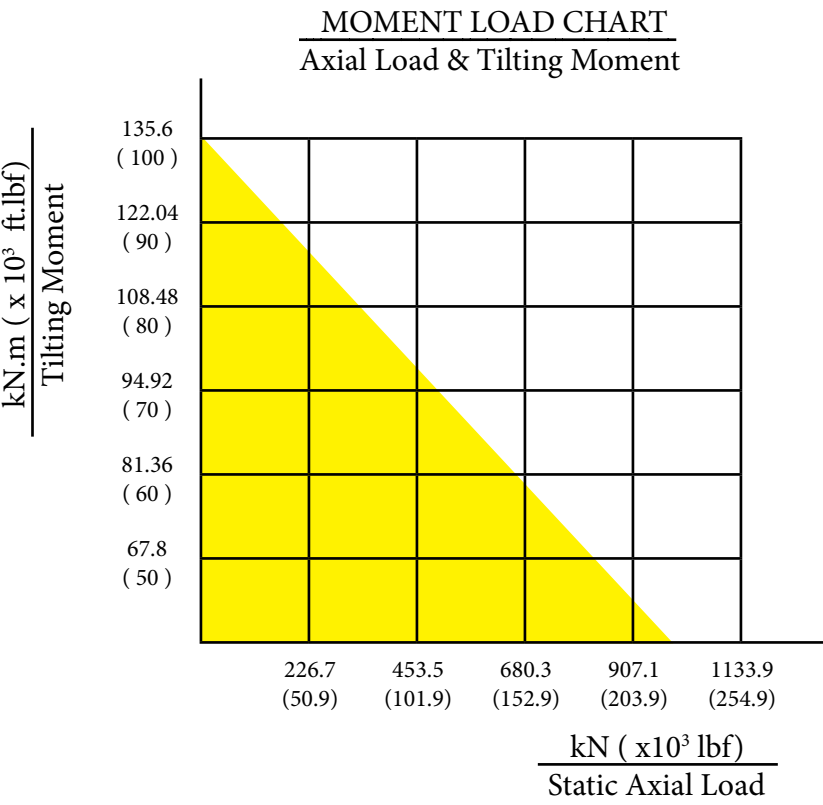
SAE 6B SPLINE

SE17A/PE17A | Slewing Drive



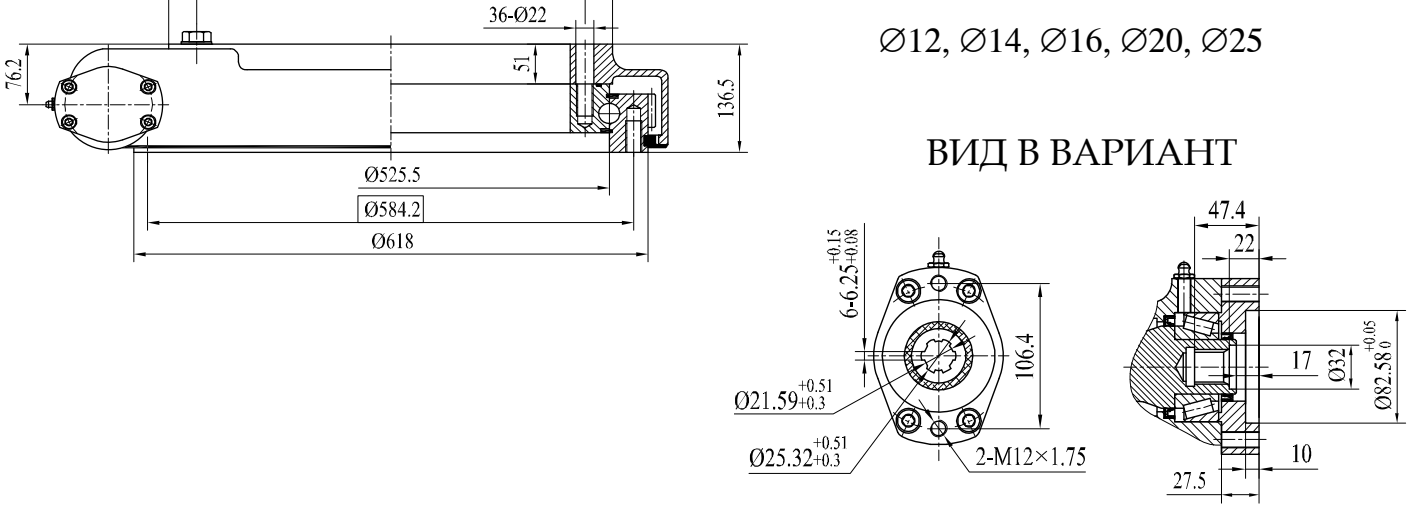
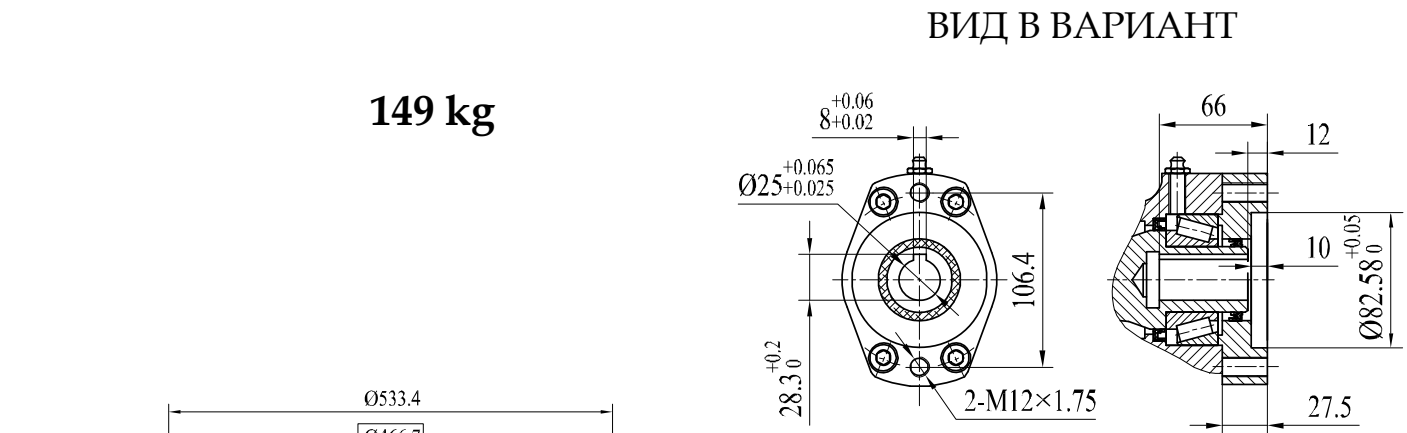
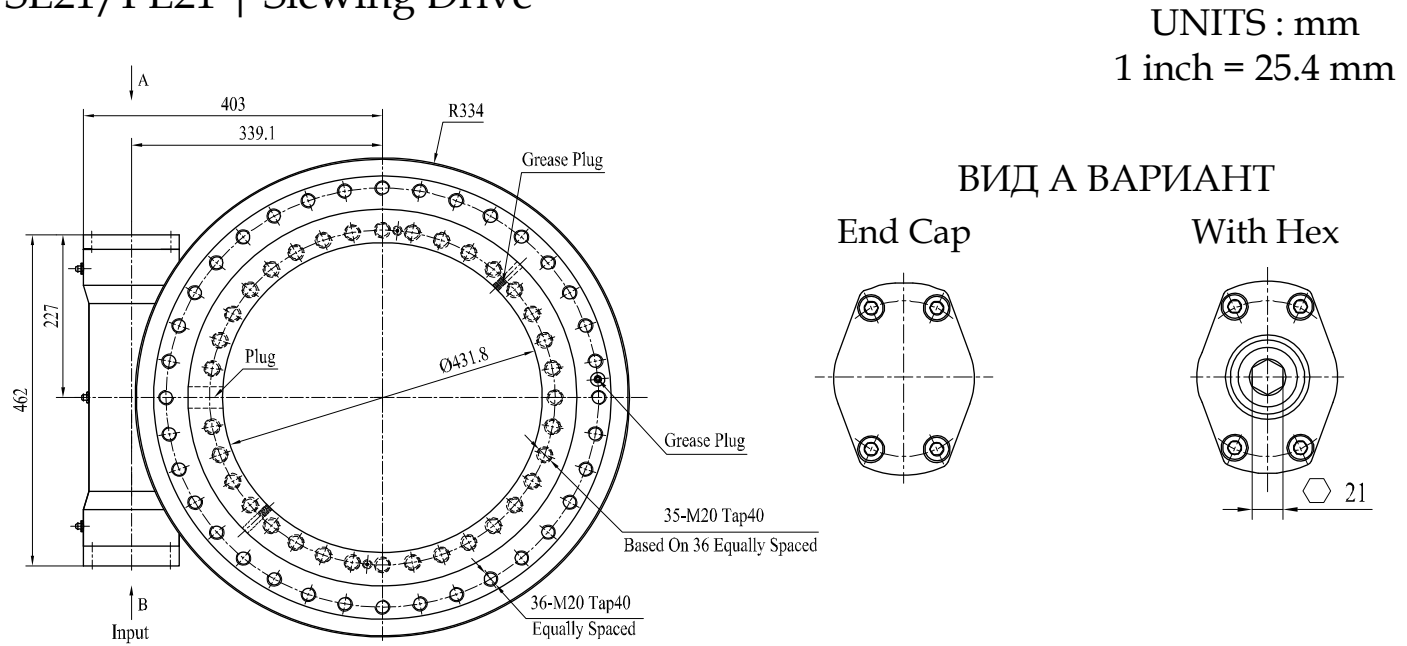
SE17A/PE17A | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	53 X 10³ ft.lbf	218 X 10³ lbf	88 X 10³ lbf	53 X 10³ lbf	46 X 10³ 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 10³ ft.lbf	53 X 10³ ft.lbf	218 X 10³ lbf	88 X 10³ lbf	53 X 10³ lbf	46 X 10³ lbf			



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SE21/PE21 | Slewing Drive



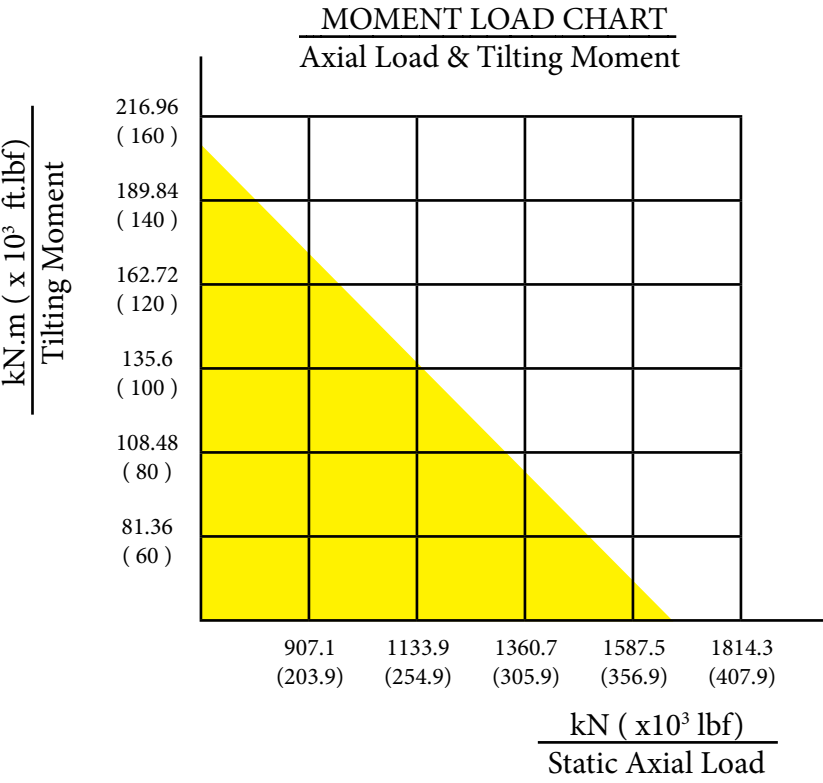
SAE 6B SPLINE

SE21/PE21 | Slewing Drive



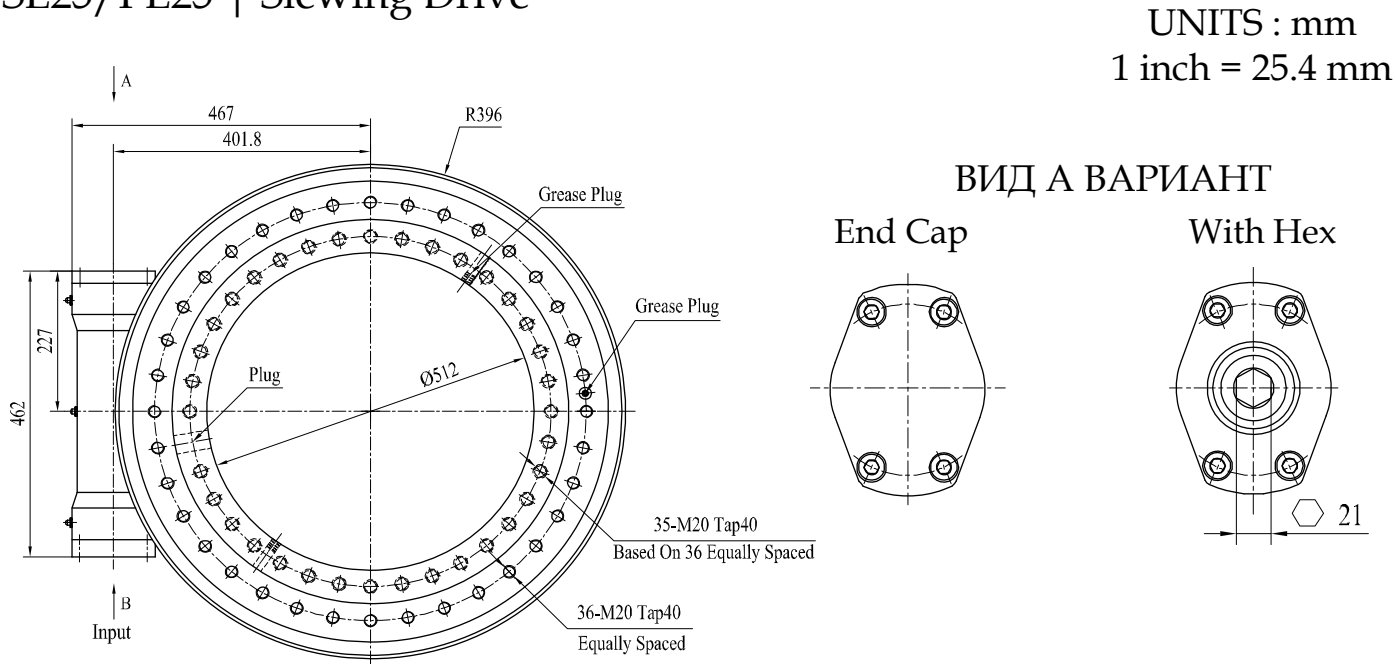
SE21/PE21 | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	78 X 10³ ft.lbf	359 X 10³ lbf	144 X 10³ lbf	87 X 10³ lbf	75 X 10³ 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 10³ ft.lbf	78 X 10³ ft.lbf	359 X 10³ lbf	144 X 10³ lbf	87 X 10³ lbf	75 X 10³ lbf			

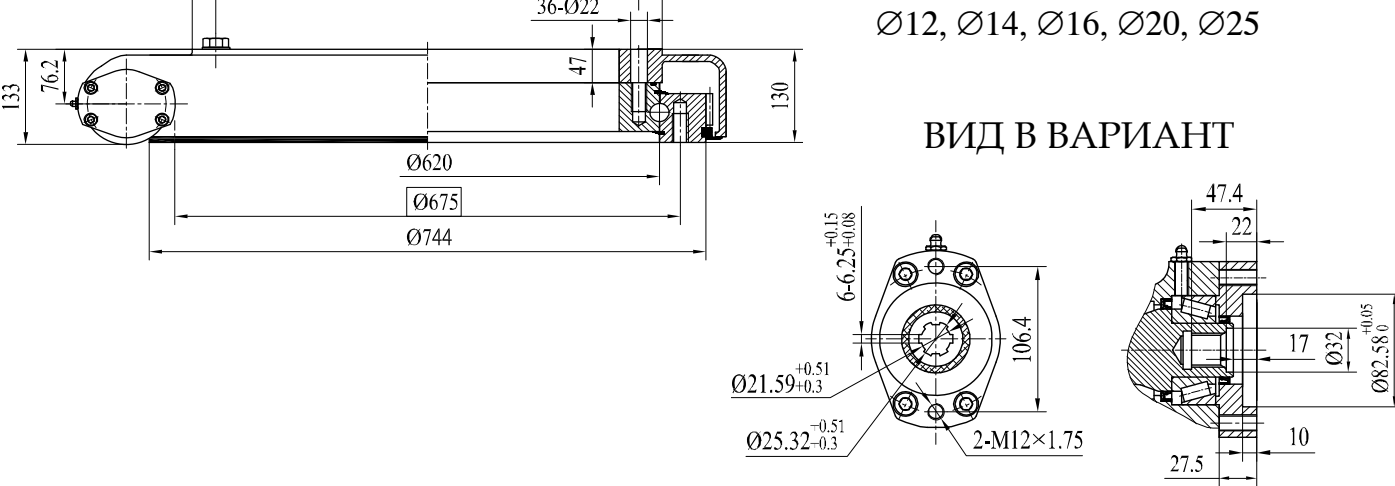
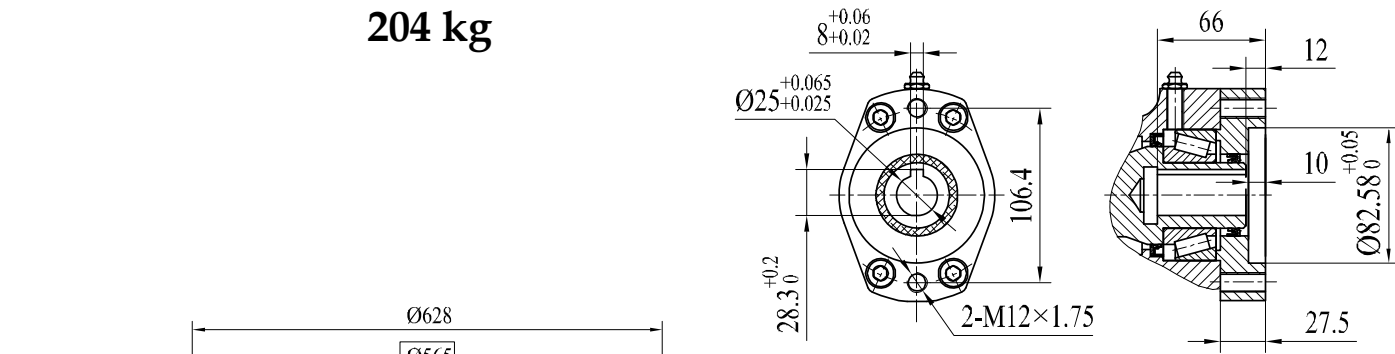


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SE25/PE25 | Slewing Drive



204 kg



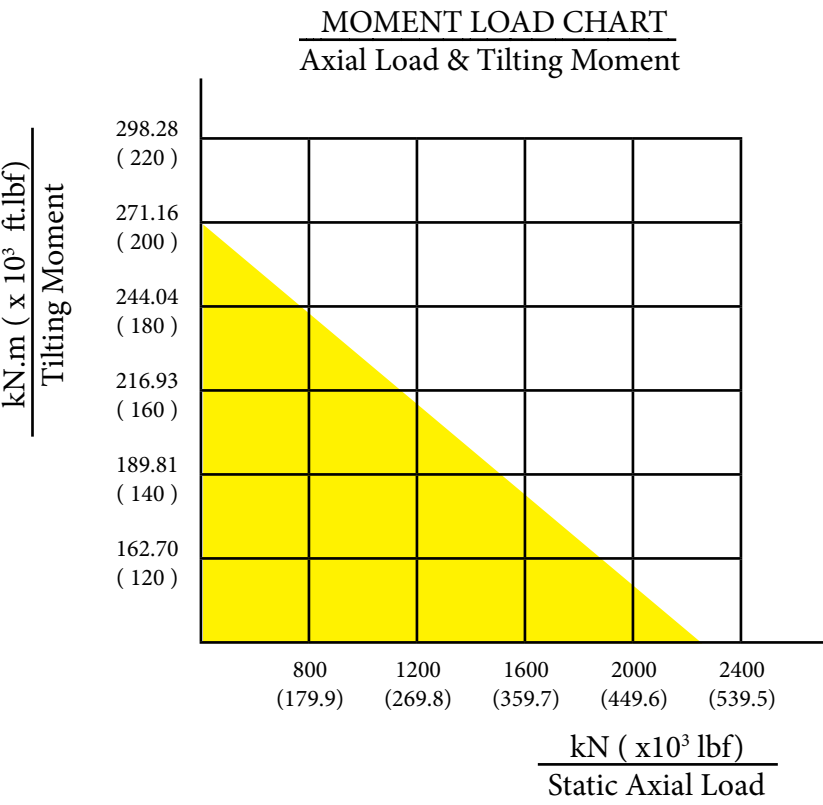
SAE 6B SPLINE

SE25/PE25 | Slewing Drive



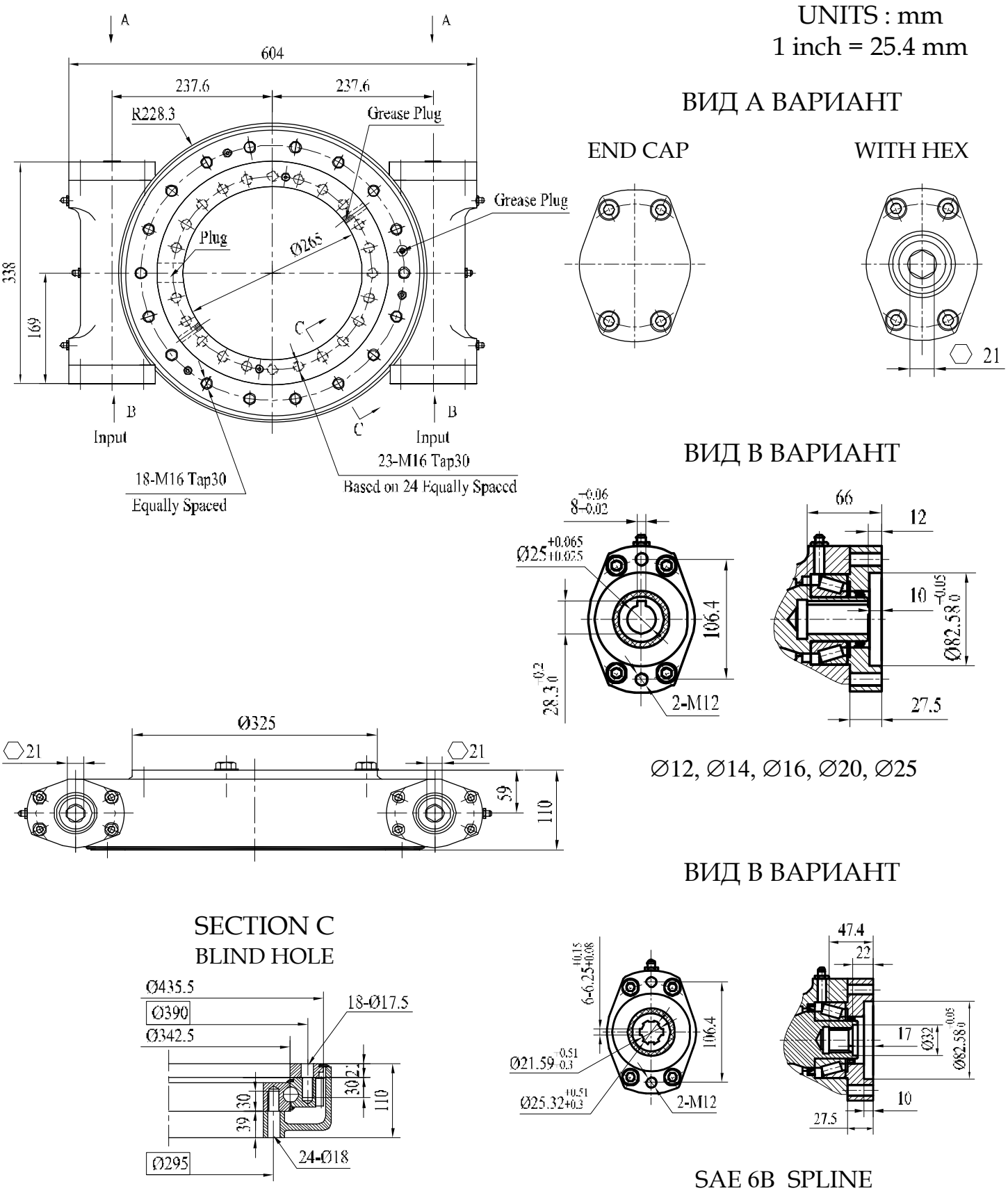
SE25/PE25 | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	117 X 10³ ft.lbf	531 X 10³ lbf	212 X 10³ lbf	133 X 10³ lbf	106 X 10³ 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 10³ ft.lbf	117 X 10³ ft.lbf	531 X 10³ lbf	212 X 10³ lbf	133 X 10³ lbf	106 X 10³ lbf			

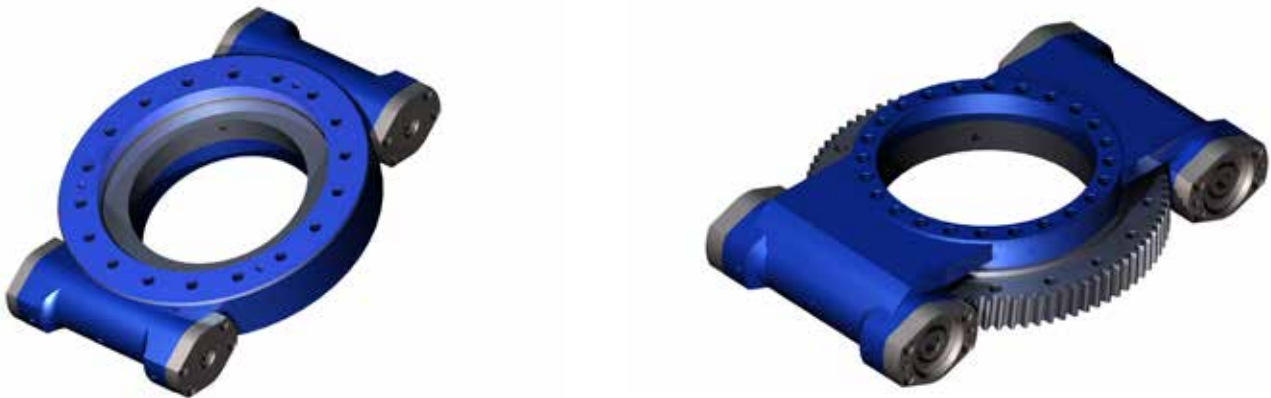


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SE14-2/S14-2 | Slewing Drive

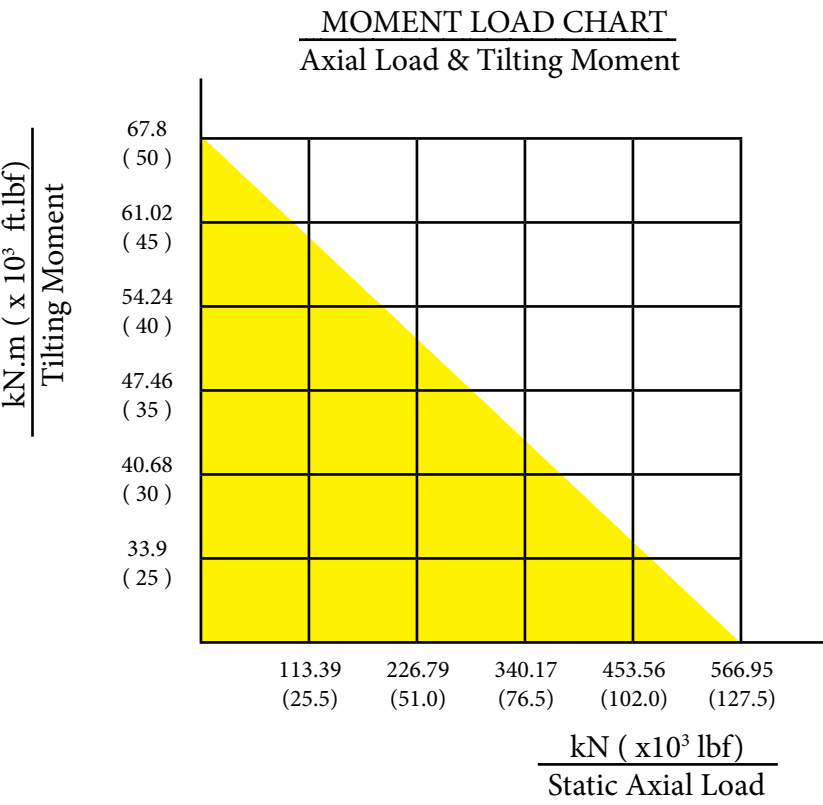


SE14-2/S14-2 | Slewing Drive



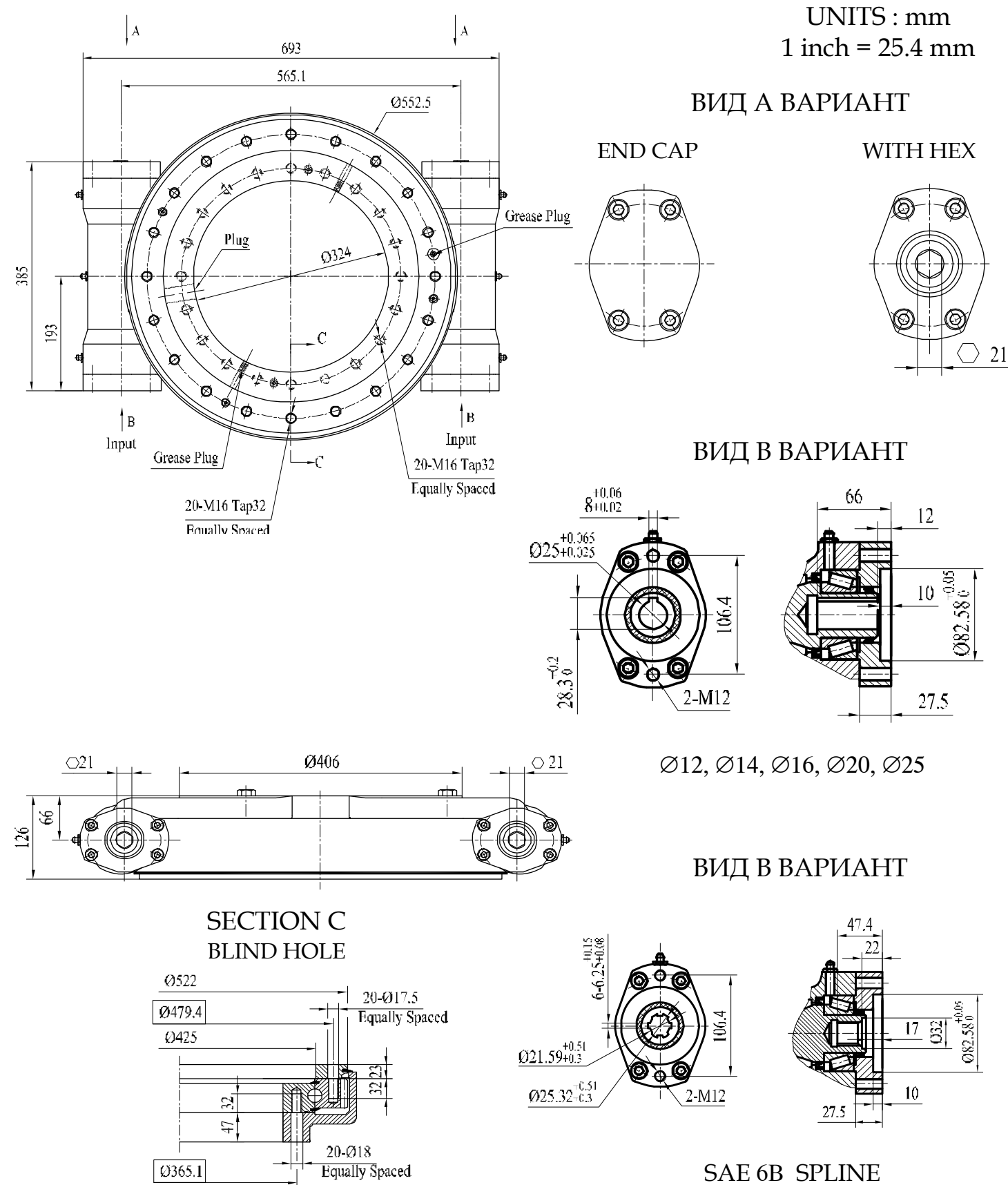
SE14-2/S14-2 | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	59.5 X 10³ ft.lbf	125 X 10³ lbf	50 X 10³ lbf	30 X 10³ lbf	26 X 10³ 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 10³ ft.lbf	59.5 X 10³ ft.lbf	125 X 10³ lbf	50 X 10³ lbf	30 X 10³ lbf	26 X 10³ lbf			



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SE17A-2/S17-2 | Slewing Drive



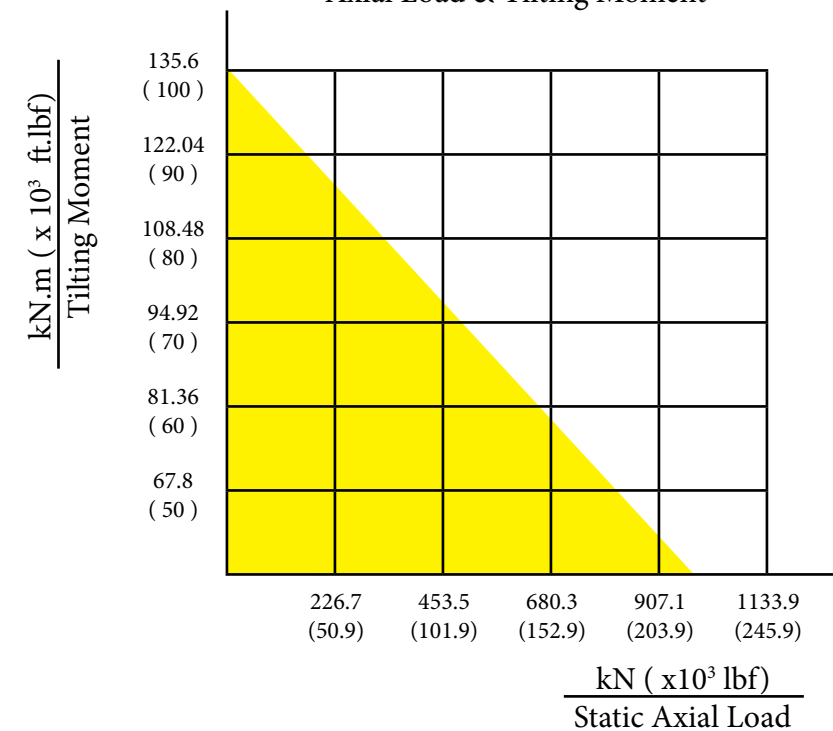
SE17A-2/S17-2 | Slewing Drive



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

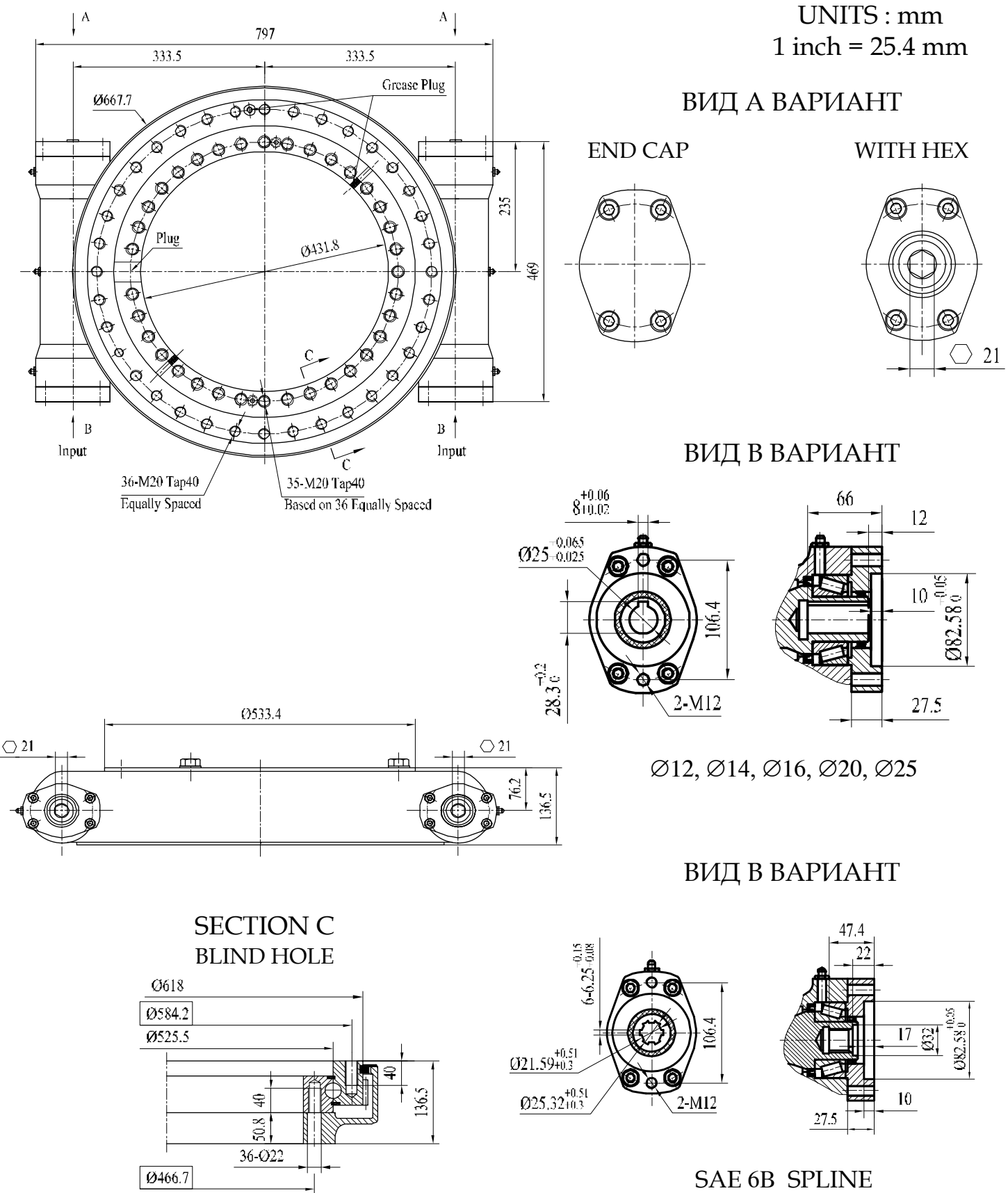
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
SE17A-2	16.8 kN.m	135.6 kN.m	122.9 kN.m	970 kN	390 kN	235 kN	205 kN	102 : 1	≤ 0.15°	119 kg
	12390 ft.lbf	100 X 10 ³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

MOMENT LOAD CHART
Axial Load & Tilting Moment

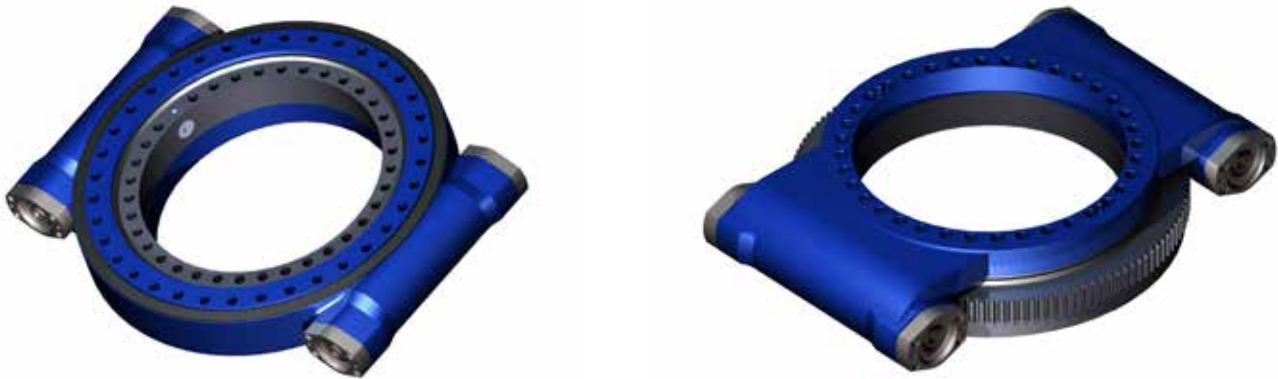


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SE21-2/S21-2 | Slewing Drive

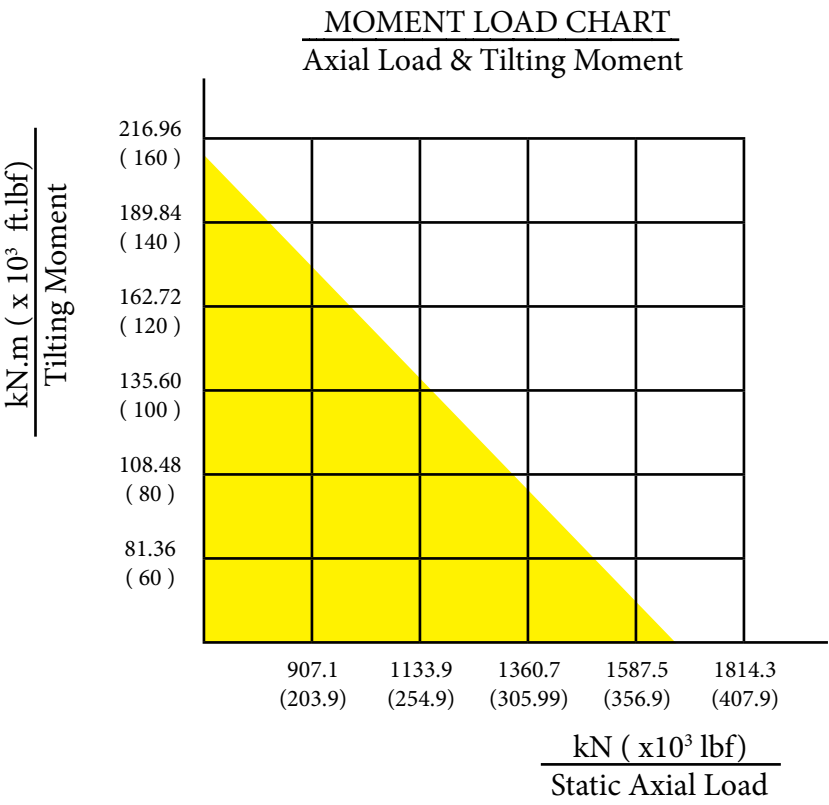


SE21-2/S21-2 | Slewing Drive



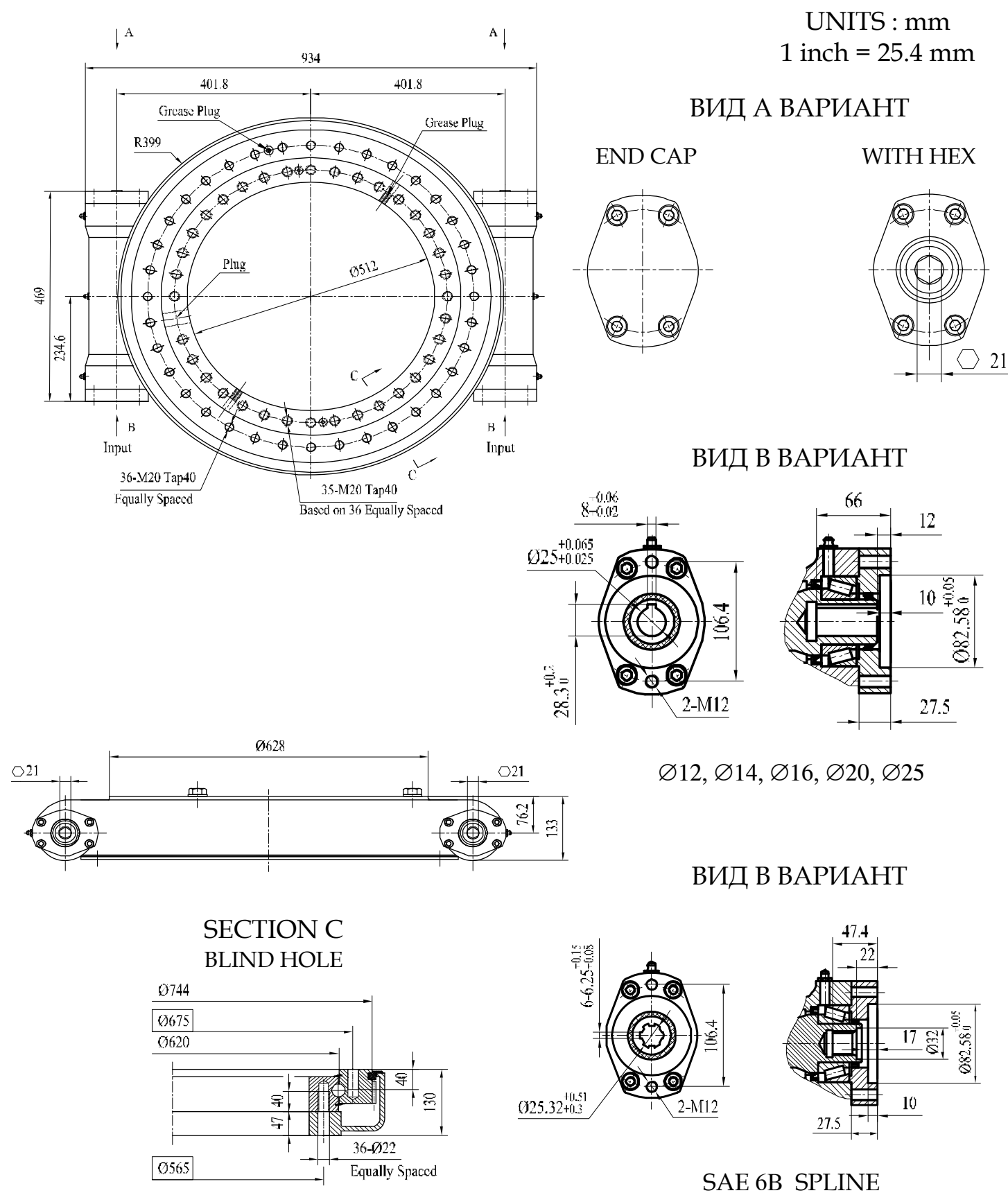
SE21-2/S21-2 | Slewing Drive Performance Parameters

Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	132.6 X 10³ ft.lbf	359 X 10³ lbf	144 X 10³ lbf	87 X 10³ lbf	75 X 10³ 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 10³ ft.lbf	132.6 X 10³ ft.lbf	359 X 10³ lbf	144 X 10³ lbf	87 X 10³ lbf	75 X 10³ lbf			



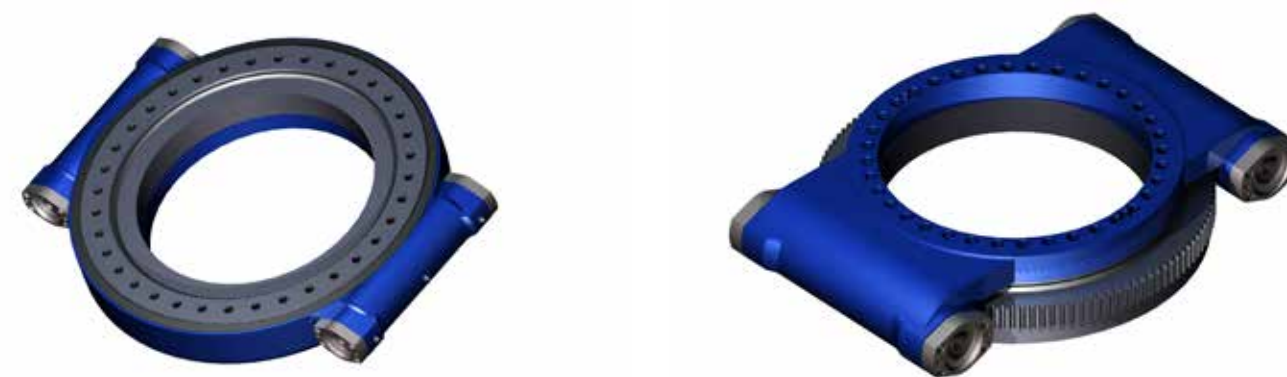
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SE25-2/S25-2 | Slewing Drive



SAE 6B SPLINE

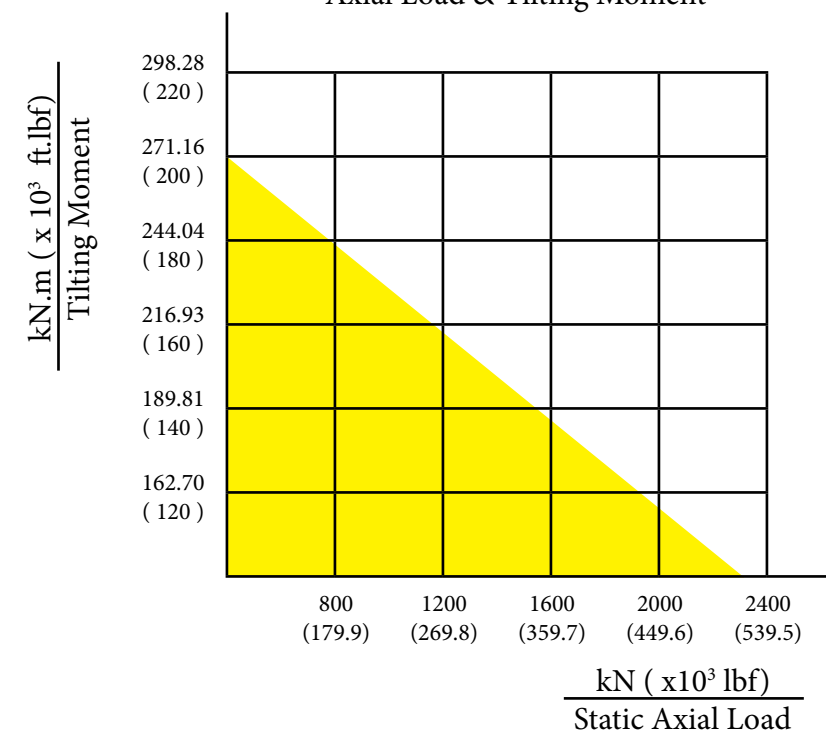
SE25-2/S25-2 | Slewing Drive



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

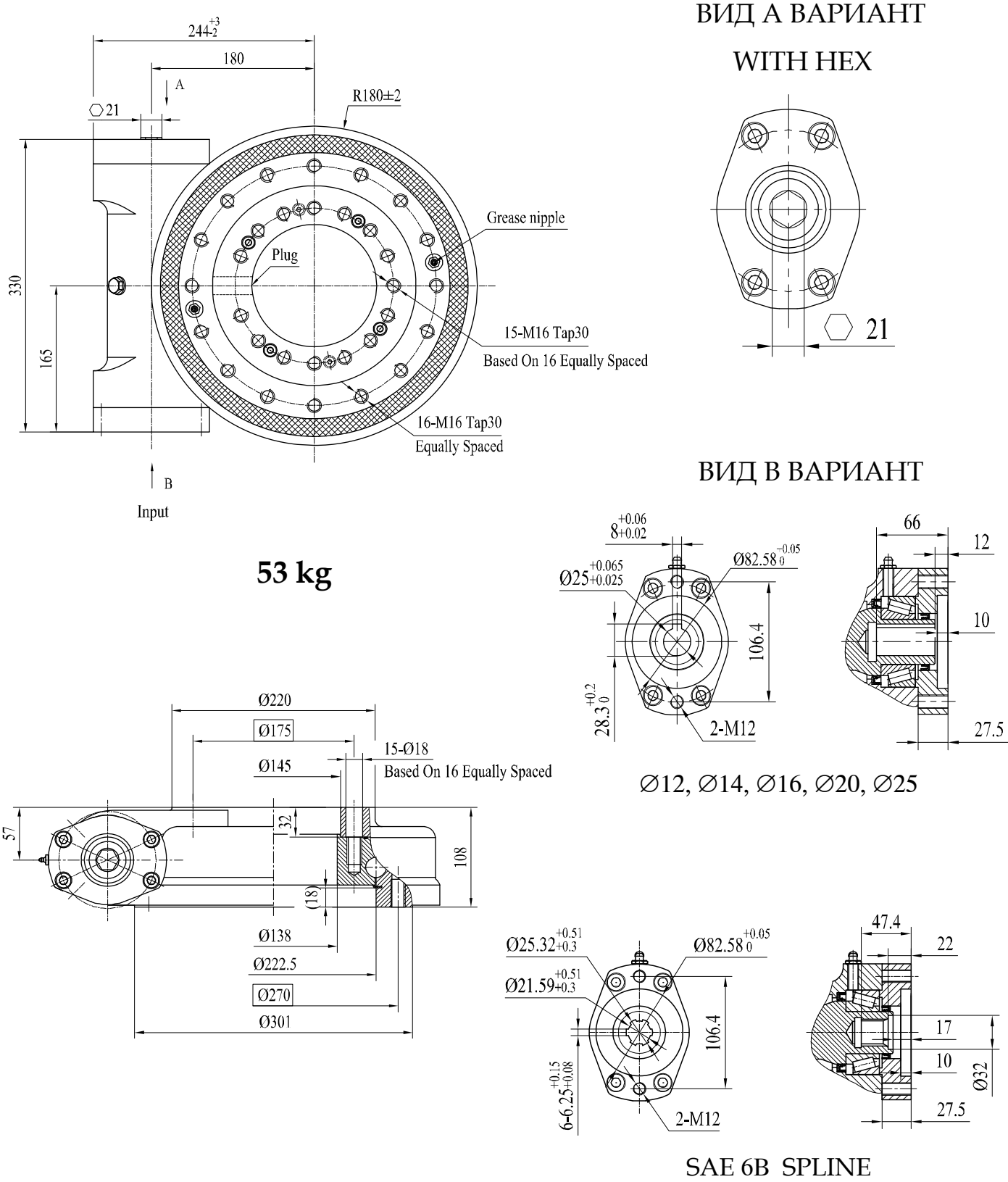
Data	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
SE25-2	28 kN.m	271 kN.m	269.1 kN.m	2360 kN	945 kN	590 kN	470 kN	150 : 1	≤ 0.15°	222 kg
	20652 ft.lbf	200 X 10 ³ ft.lbf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



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HSE9 | Slewing Drive

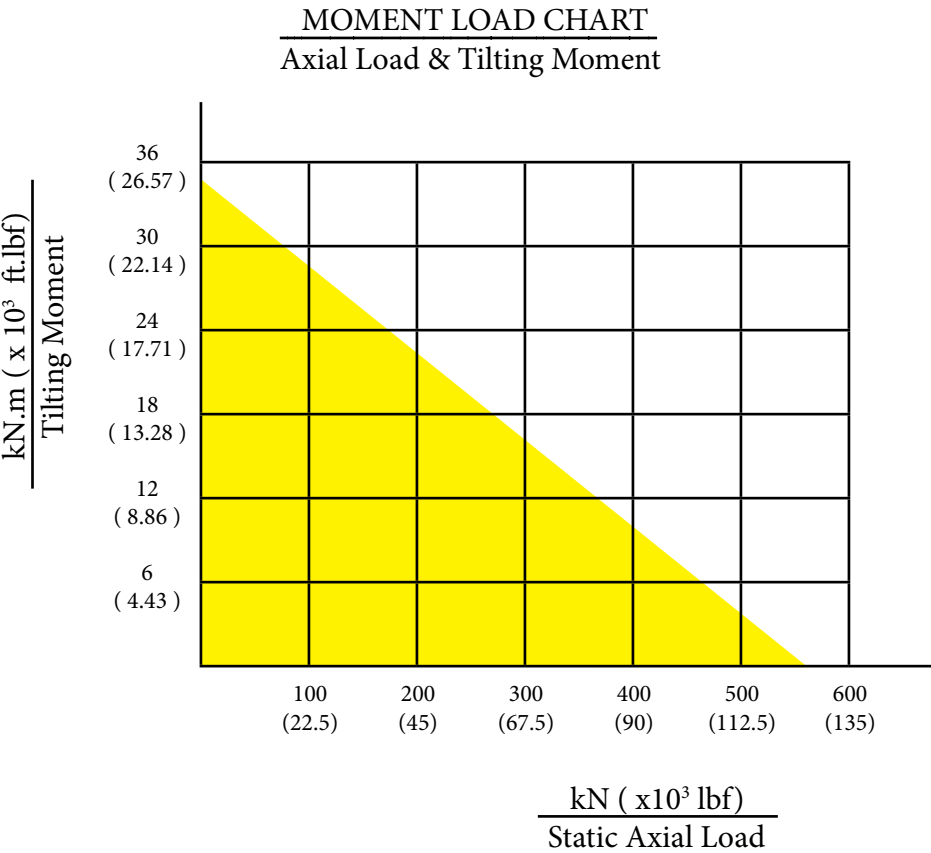


HSE9 | Slewing Drive



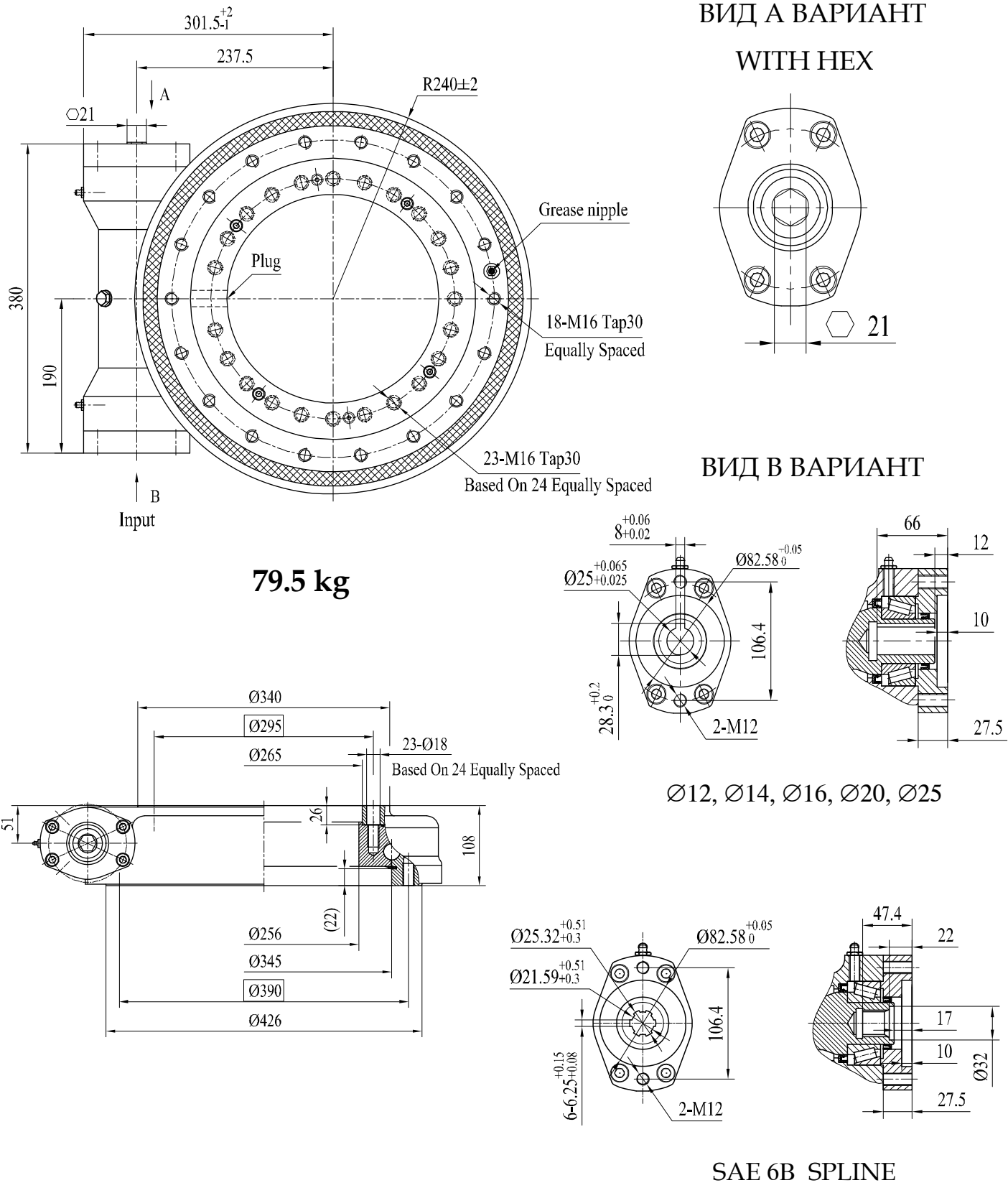
HSE9 | Slewing Drive Performance Parameters

Data	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	129.9 x 10³ lbf	48.3 x 10³ lbf	30.6 x 10³ lbf	25.9 x 10³ lbf			



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HSE14 | Slewing Drive

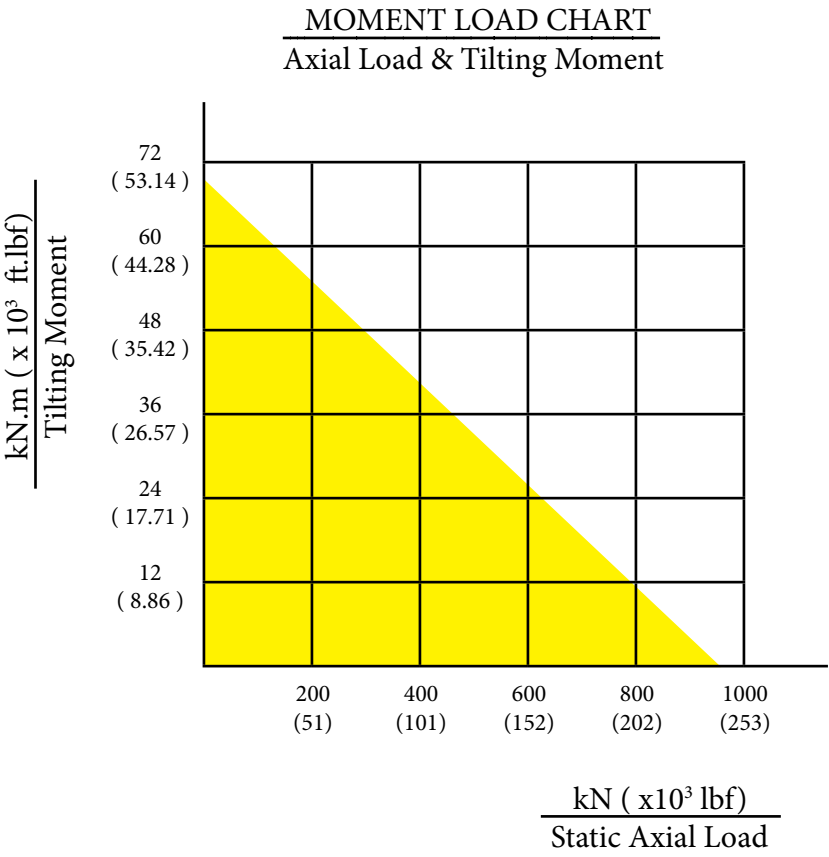


HSE14 | Slewing Drive



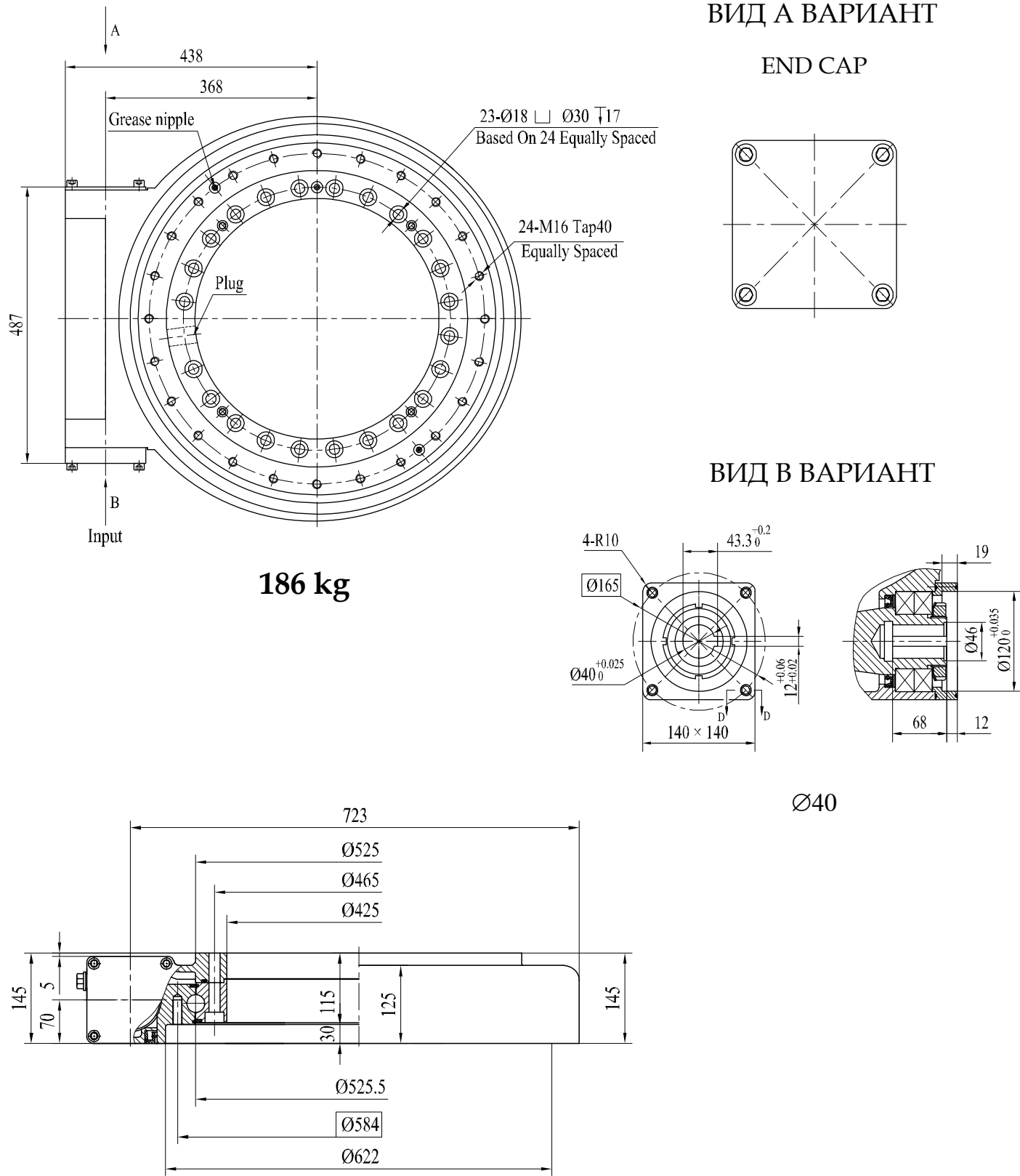
HSE14 | Slew Drive Performance Parameters

Data	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	215.8 x 10³ lbf	80.9 x 10³ lbf	51.7 x 10³ lbf	44.9 x 10³ lbf			



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HSE21 | Slewing Drive

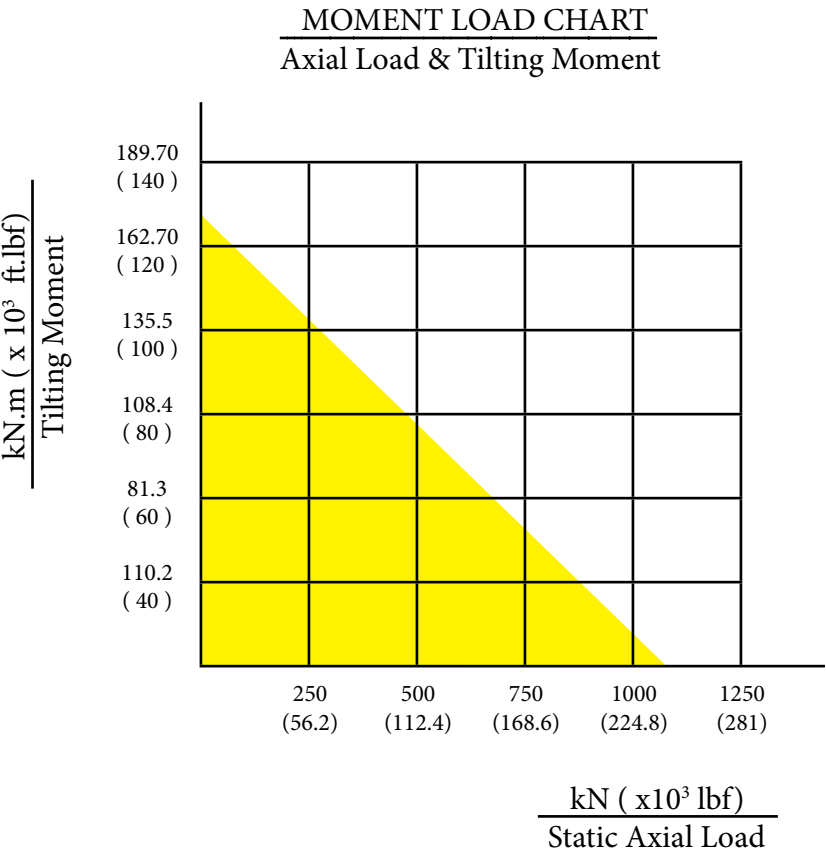


HSE21 | Slewing Drive



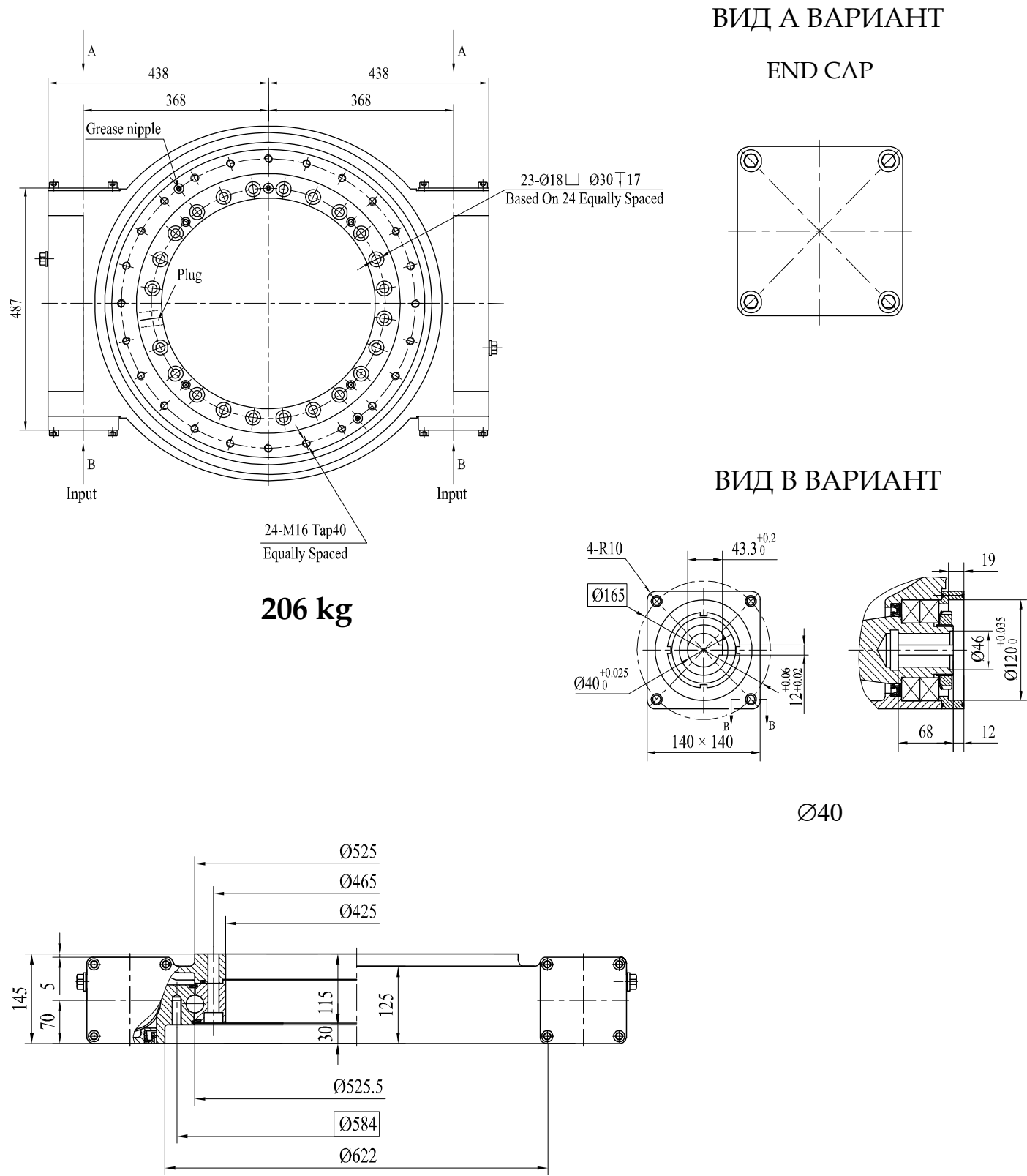
HSE21 | Slewing Drive Performance Parameters

Data	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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			

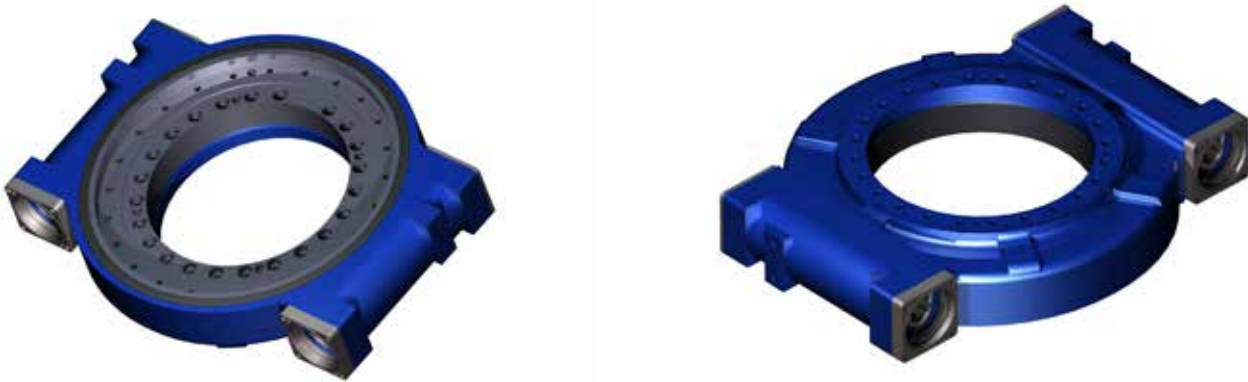


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HSE21-2 | Slewing Drive

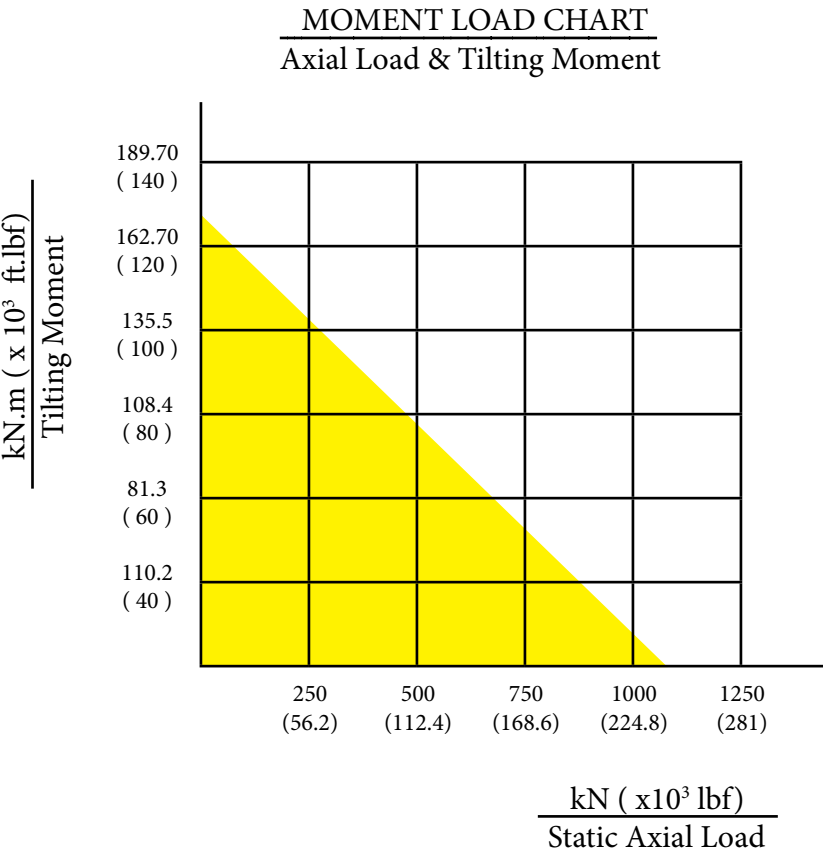


HSE21-2 | Slewing Drive



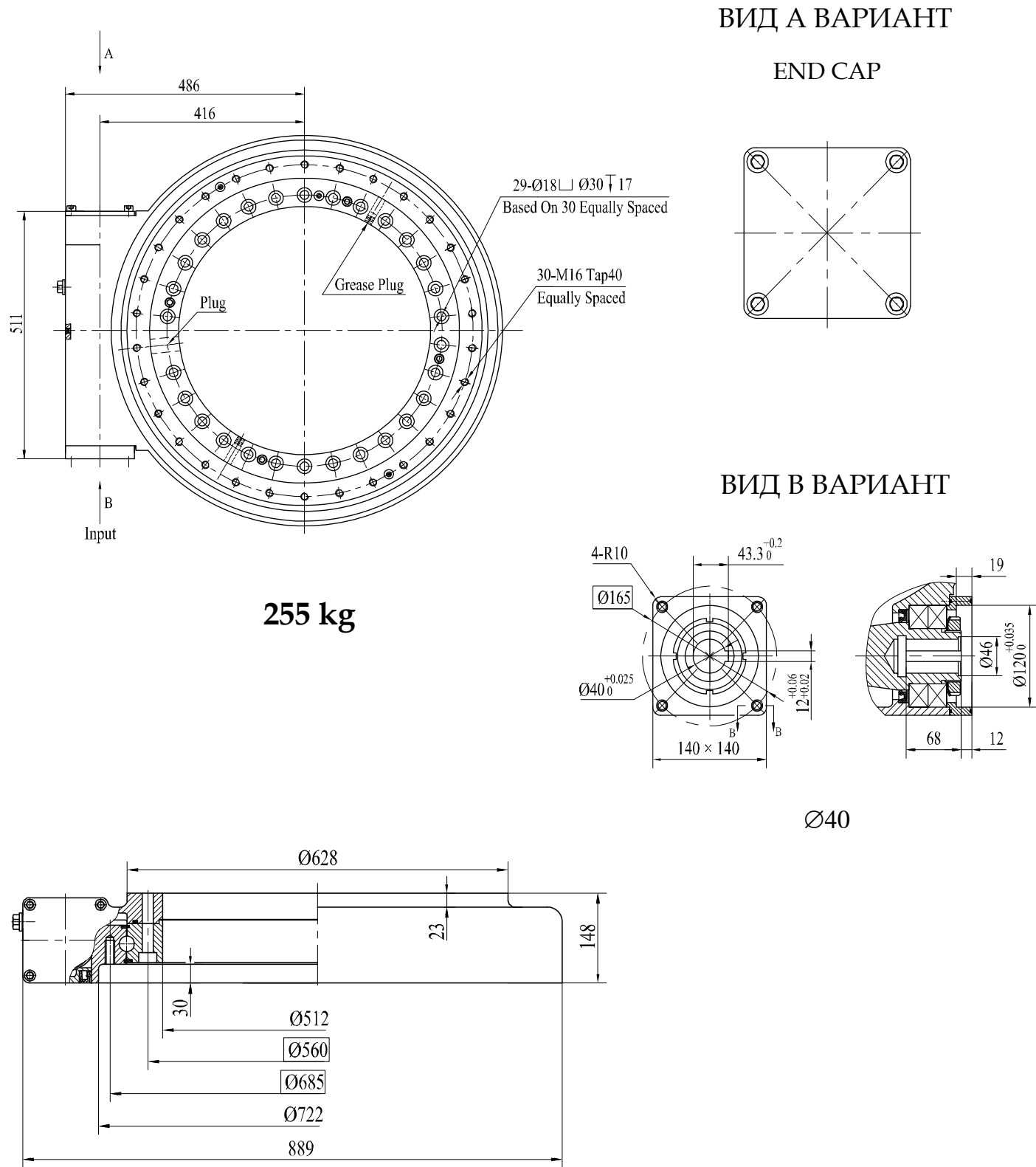
HSE21-2 | Slewing Drive Performance Parameters

Data	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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 10³ ft.lbf	125 x 10³ ft.lbf	238 x 10³ lbf	95 x 10³ lbf	60 x 10³ lbf	49 x 10³ lbf			



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HSE25 | Slewing Drive

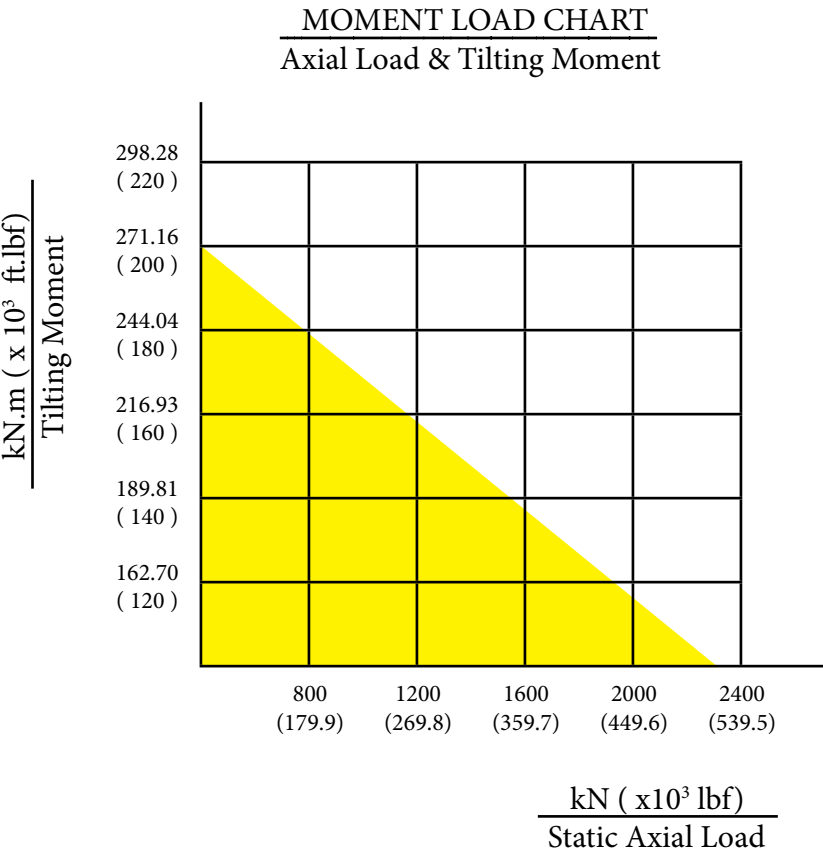


HSE25 | Slewing Drive



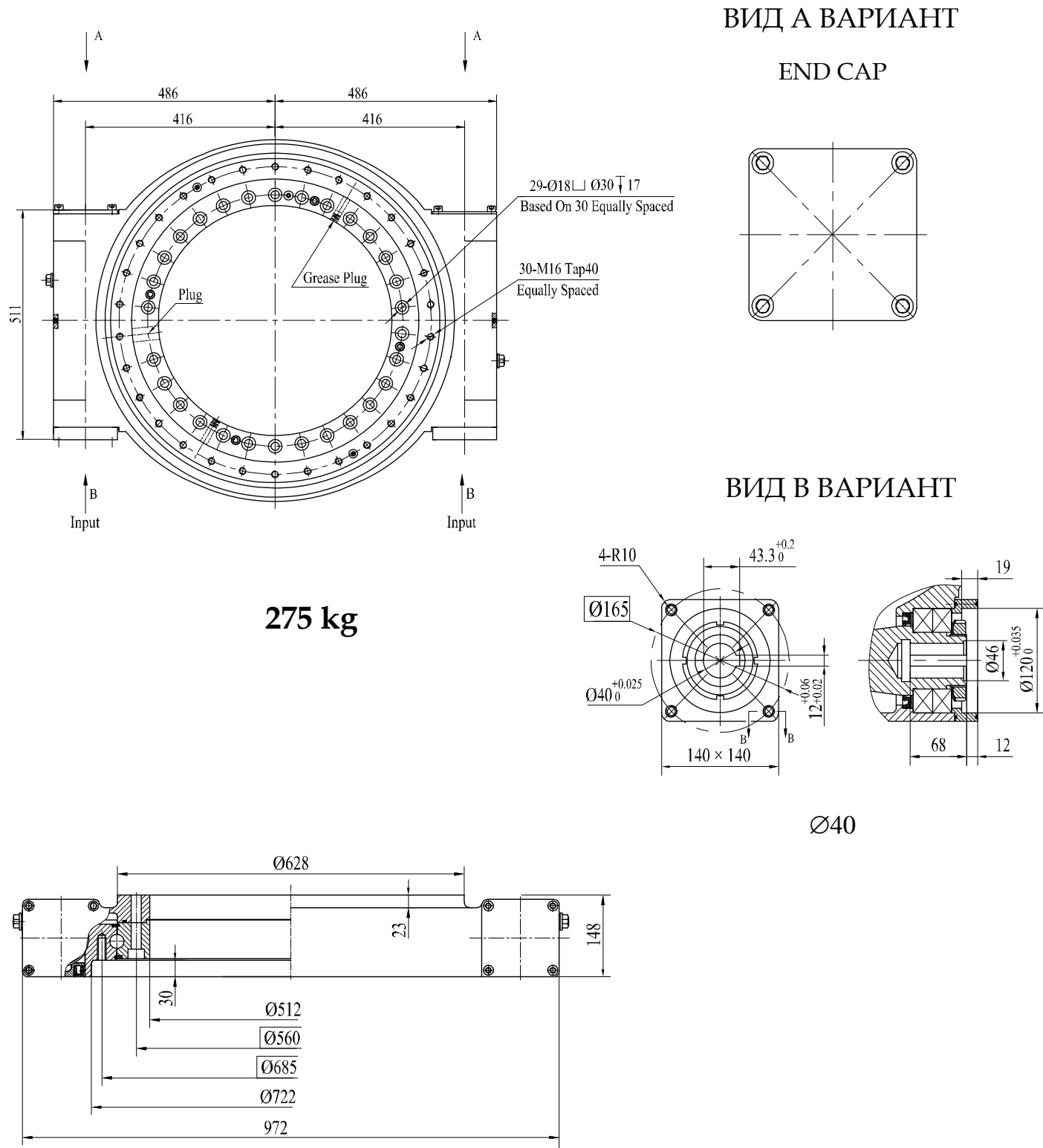
HSE25 | Slewing Drive Performance Parameters

Data	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
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			

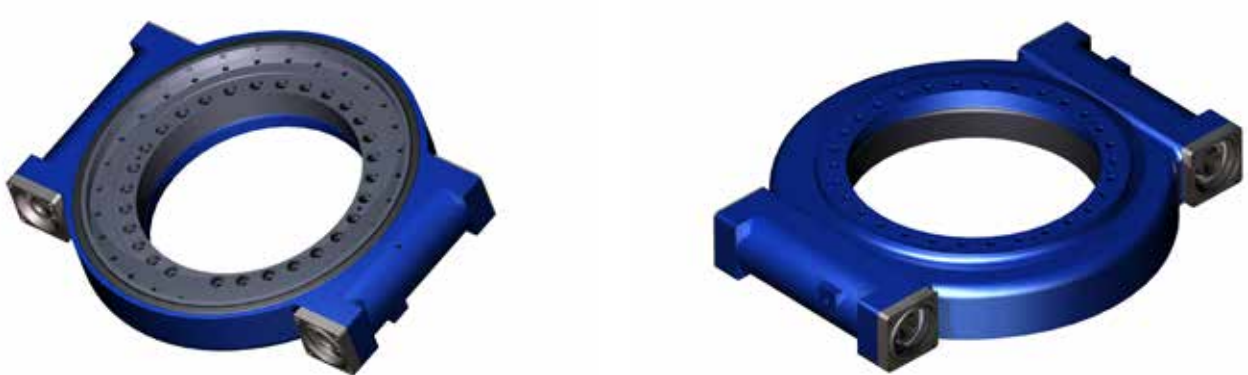


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HSE25-2 | Slewing Drive

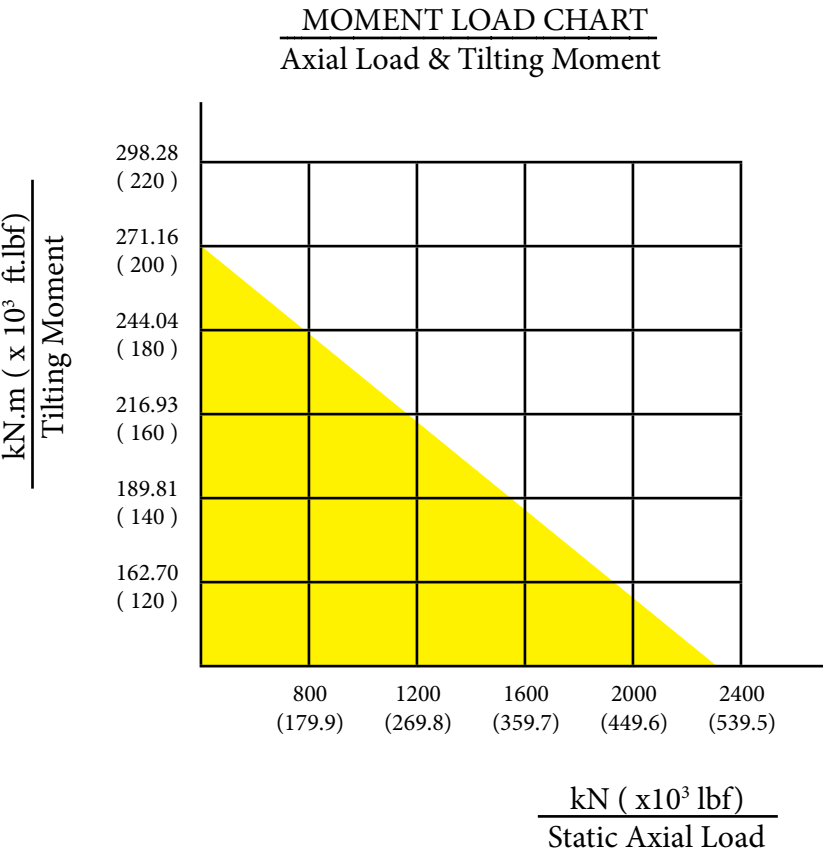


HSE25-2 | Slewing Drive



HSE25-2 | Slewing Drive Performance Parameters

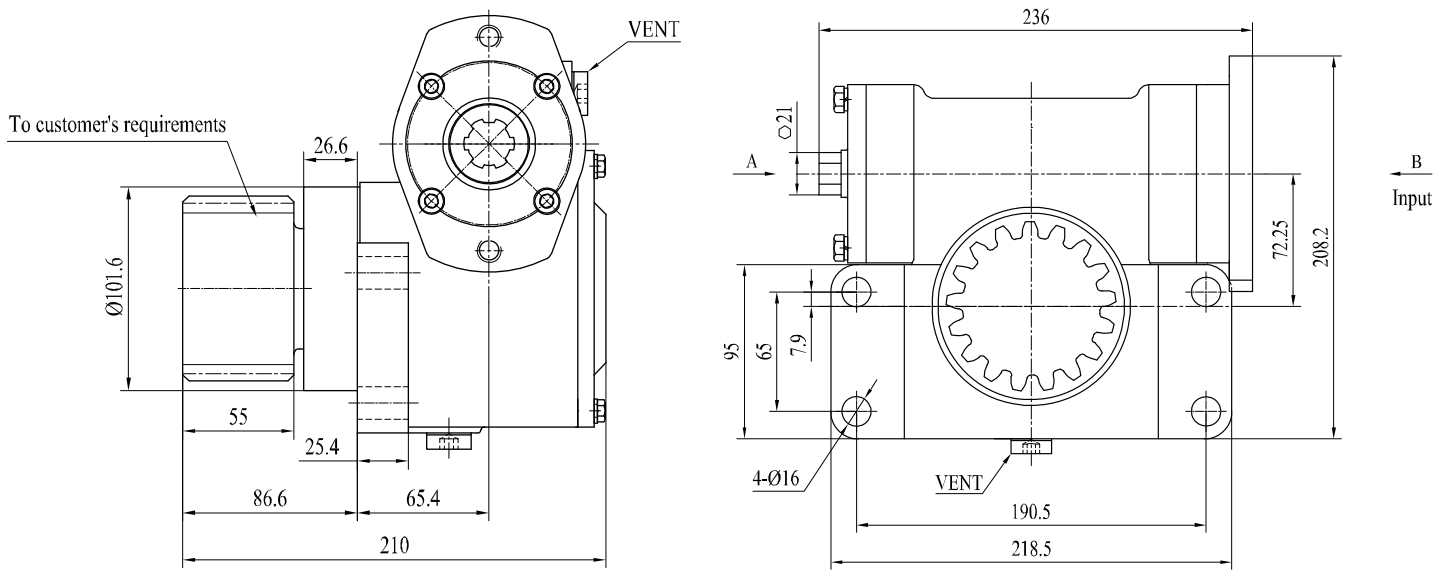
Data	Output Torque	Max Output Torque	Tilting Moment	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
Model										
HSE25-2	50 kN.m	60 kN.m	271 kN.m	2360 kN	945 kN	590 kN	470 kN	94 : 1	≤ 0.15°	275 kg
	36878 ft.lbf	44.3 x 10 ³ ft.lbf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



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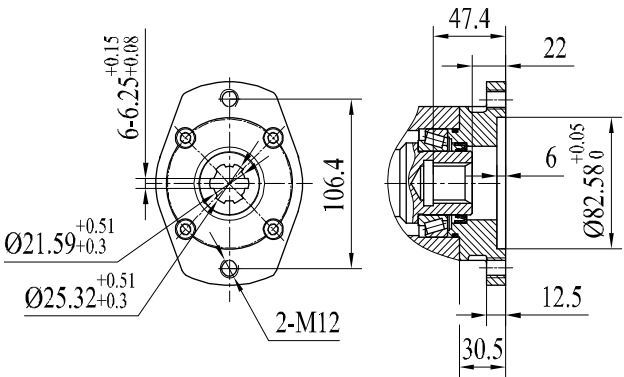
R72 | Rotation Drive

UNITS : mm
1 inch = 25.4 mm



23 kg

ВИД В ВАРИАНТ



6B SPLINE

Ø12, Ø14, Ø16, Ø20, Ø25



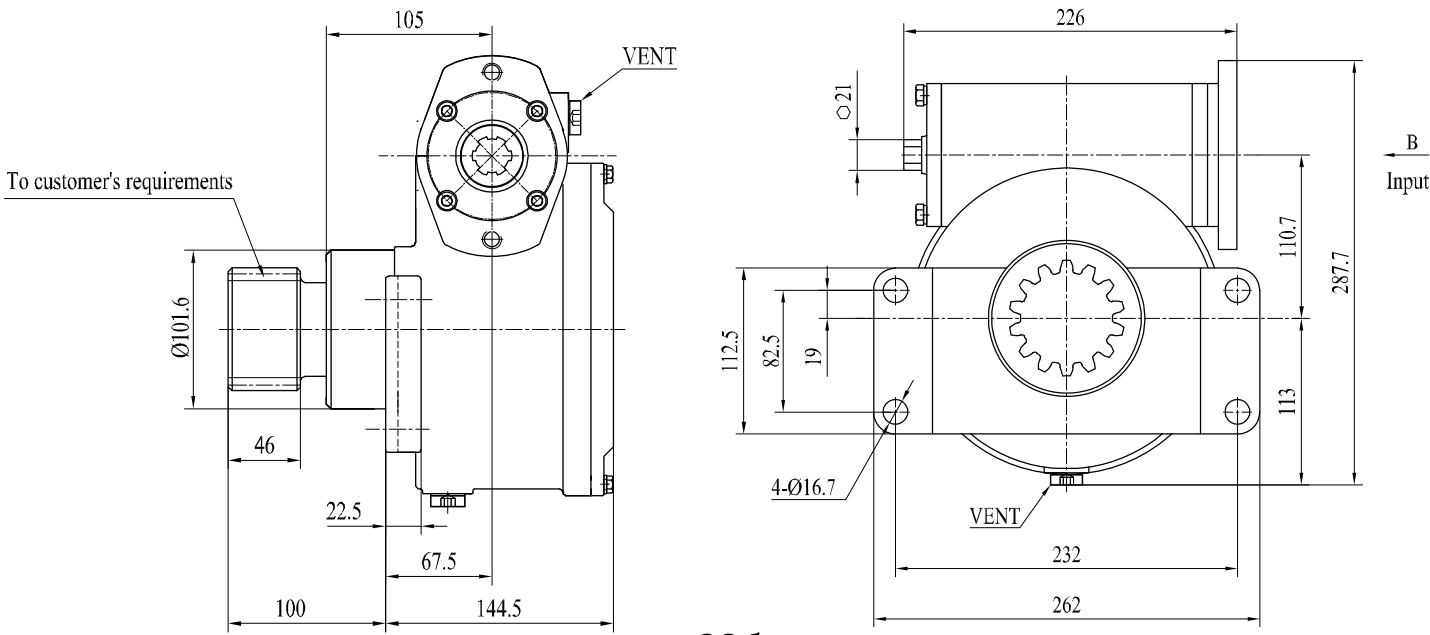
Rotation Drive Performance Parameters

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

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The drawing is subject to change due to new design without prior ВНИМАНИЕ

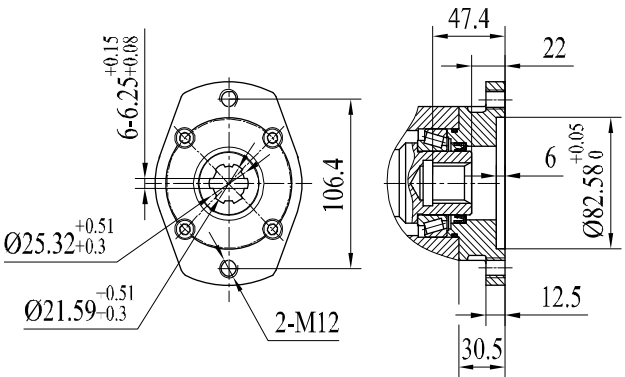
R110 | Rotation Drive

UNITS : mm
1 inch = 25.4 mm



38 kg

ВИД В ВАРИАНТ



6B SPLINE

Ø12, Ø14, Ø16, Ø20, Ø25



Rotation Drive Performance Parameters

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

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