



SLEWING

SOLUTIONS

Precision. Motion Control. Technology.



Cone Drive is a world leader in precision motion control technology.

We work with our customers every step of the way – from design specs to the final solution – to create highly precise, highly specific products that keep our customers' technology at the forefront of their industry. Cone Drive offers engineering support, unique solutions, and innovative technology across a breadth of markets and products to drive your company forward.



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W

WE

WEA

S

SE

SEA

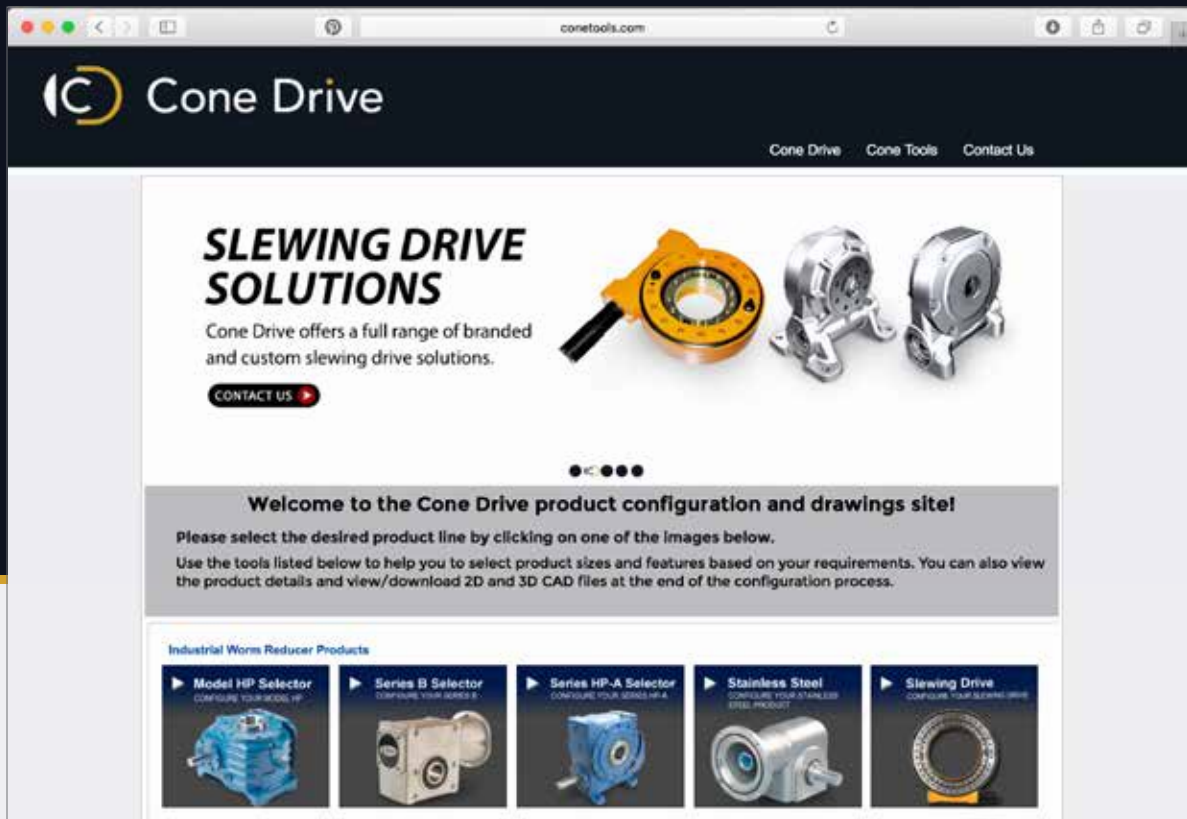
HSE

R

SLEWING
RINGS

Configure your slewing drive online.

ConeTools.com



PRODUCT DRAWINGS & MODELS AVAILABLE FOR DOWNLOAD

- ▶ W SERIES
- ▶ WE SERIES
- ▶ WEA SERIES
- ▶ S SERIES
- ▶ SE SERIES
- ▶ SEA SERIES

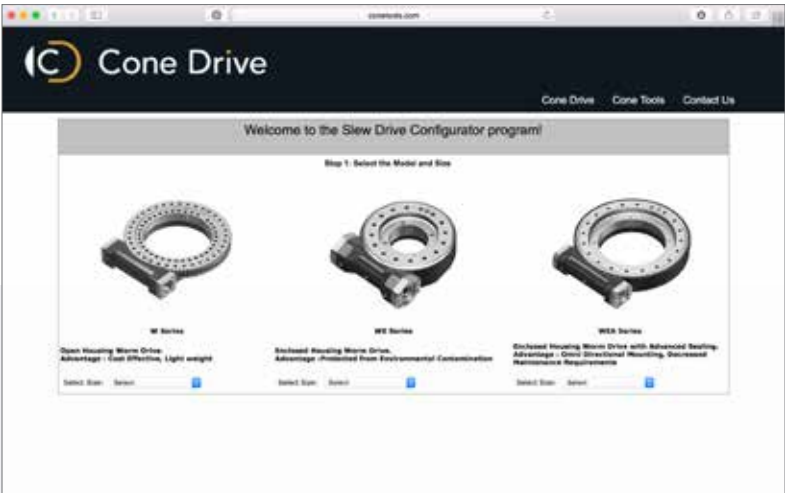
Visit ConeTools.com
and Click On
"Slewing Drive"

SLEW DRIVE CONFIGURATOR



2

Select S or W Series Slew Drive



3

Select the Model and Size



4

Select Gear Data and Proceed to Your Drive

MODEL CODE					BEARING		
1	2	3	4	5	6	7	8
SE	14	A	-	85	B	T	-
↓	↓	↓		↓	↓	↓	
W Open housing slewing drive	7-25 Diameter of raceway in inches	A Revision level		85 Reduction ratio	- Type of threaded holes: Metric	- Blind threaded holes, inner and outer ring	
WE Enclosed housing slewing drive					B Type of threaded holes: Imperial	C Threaded thru holes, inner and outer ring	
WEA Enclosed housing slewing drive with advanced sealing						T Thru hole inner ring, blind threaded holes outer ring	
S Open housing slewing drive							
SE Enclosed housing slewing drive							
SEA Enclosed housing slewing drive with advanced sealing							

COLUMN 1-5

COLUMN 6-8



S/W: OPEN GEARING



SE/WE: ENCLOSED GEARING



WEA/SEA: ENCLOSED GEARING WITH ADVANCED SEALING



PE/PEA: ENCLOSED GEARING WITH REDUCED BACKLASH



S-2/SE-2: DUAL WORM



HSE: ENCLOSED GEARING WITH IMPROVED DYNAMIC PERFORMANCE

IMPERIAL OR METRIC MOUNTING HOLES



BLIND THREADED HOLES



THREADED THRU HOLES



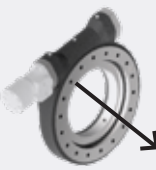
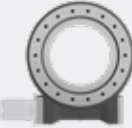
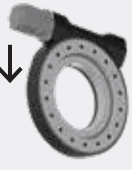
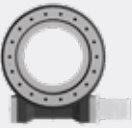
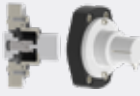
BLIND THREADED HOLES



THRU HOLES

WORM SHAFT				HYDRAULIC MOTOR			
9	10	11	12	13	14	15	16
B	H	-	2	R	-	160	A
↓	↓		↓	↓		↓	↓
Omitted with hydraulic motor	Shaft opposite to motor : solid		Single worm drive	R Hydraulic motor input position right		160 Hydraulic motor's displacement, cc/rev.	A Away (oil port)
B SAE 68 spline	H Shaft opposite to motor : with hex		2 Dual worm drive	L Hydraulic motor Input position left			I Inside (oil port)
12 12 mm keyed shaft	E Shaft opposite to motor : with encoder						U Up (oil port)
14 14 mm keyed shaft							D Down (oil port)
16 16 mm keyed shaft							
20 20 mm keyed shaft							
25 25 mm keyed shaft							
1' 1' keyed shaft							

COLUMN 15					
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 9-11	COLUMN 12-14	COLUMN 16
 KEYED SHAFT	 ONE WORM	 AWAY
 SAE 6B SPLINED SHAFT	 TWO WORMS	 UP
 SOLID	 LEFT HAND OF ASSEMBLY	 INSIDE
 HEX	 RIGHT HAND OF ASSEMBLY	 DOWN
 ENCODER	 Left HCA	
	 Right HCA	

W

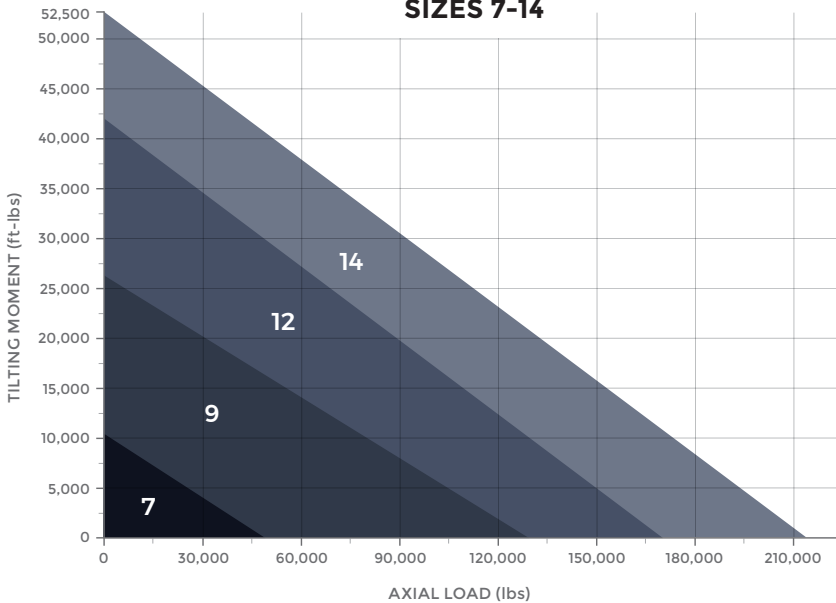
Lightweight open-gearing slewing drive solution equipped for high duty cycle, medium-speed (<2.5 RPM) applications.

- ▶ Ground cylindrical worm from proprietary materials and heat-treating processes for ultimate gear life
- ▶ 7 distinct sizes, up to 25" bearing diameter
- ▶ Standard sealing and grease fill
- ▶ Ideal for weight and cost-sensitive applications

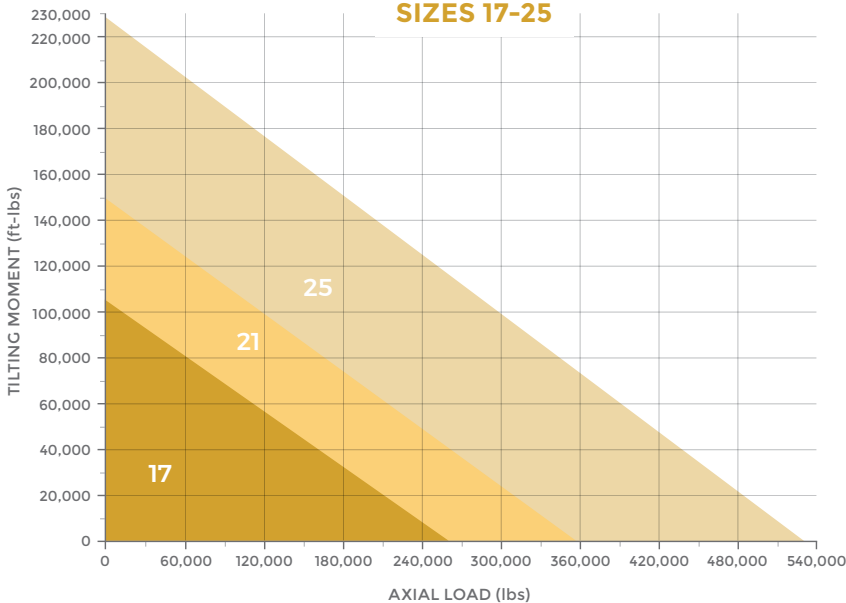


W EQUIVALENT MOMENT LOADING CHARTS

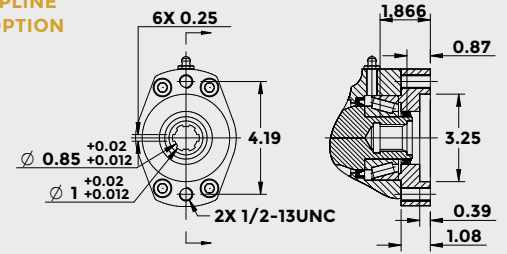
SIZES 7-14



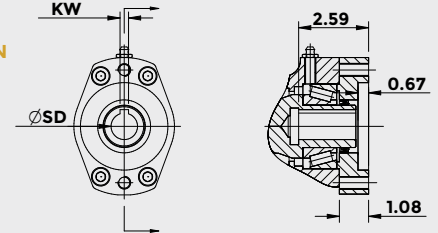
SIZES 17-25



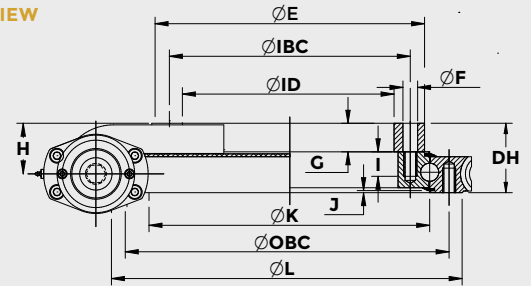
SAE 6B SPLINE OPTION



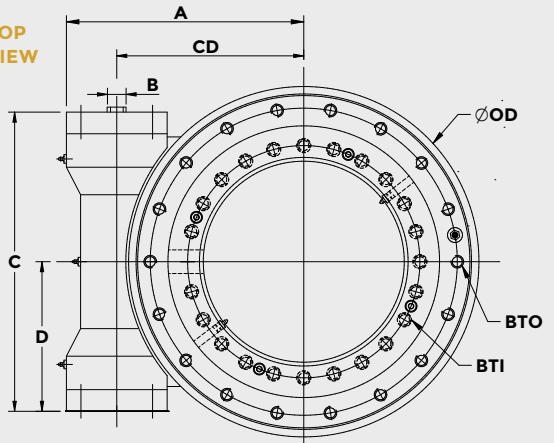
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

ALL SIZES	$\varnothing SD$ (mm)	$\varnothing SD$ (in)	KW (mm)	KW (in)
	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

W SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
7	3.5	14.2	20.0	220.0	90.0	63.0	48.0	47	0.15	29
	2,583	10,500	14,800	49,500	20,200	14,200	10,800			64
9	8.0	35.6	38.7	578.0	215.0	136.0	115.0	62	0.15	40
	5,904	26,300	29,000	129,900	48,300	30,600	25,900			88
12	9.5	57.0	43.0	760.0	280.0	190.0	148.0	79	0.15	52
	7,011	42,100	32,000	171,100	62,900	42,700	33,300			115
14	10.8	71.2	48.0	960.0	360.0	230.0	200.0	86	0.13	62
	7,970	52,600	35,000	215,800	80,900	51,700	44,900			137
17	13.0	142.4	72.3	1166.0	435.0	280.0	231.0	104	0.1	82
	9,564	105,000	53,400	262,000	97,800	62,900	51,900			181
21	28.7	203.0	105.8	1598.0	640.0	385.0	335.0	90	0.1	139
	21,180	150,000	78,100	359,000	144,000	87,000	75,000			306
25	34.2	310.0	158.3	2360.0	945.0	590.0	470.0	104	0.1	176
	25,240	229,000	117,000	531,000	212,000	133,000	106,000			388

W SERIES DIMENSIONS

Size	7 (mm)	7 (in)	9 (mm)	9 (in)	12 (mm)	12 (in)	14 (mm)	14 (in)	17 (mm)	17 (in)	21 (mm)	21 (in)	25 (mm)	25 (in)
CD	142.5	5.61	180.0	7.09	222.5	8.76	237.5	9.35	285.0	11.22	350.0	13.78	399.0	15.71
ØOD	250.0	9.84	325.0	12.80	410.0	16.14	445.0	17.52	535.0	21.06	652.0	25.67	750.0	29.53
ØID	105.0	4.13	145.0	5.71	229.0	9.02	255.3	10.05	312.4	12.30	425.0	16.73	525.0	20.67
ØIBC	135.0	5.31	175.0	6.89	259.0	10.20	295.0	11.61	365.1	14.37	466.7	18.37	565.0	22.24
ØOBC	205.0	8.07	270.0	10.63	358.0	14.09	390.0	15.35	479.4	18.87	584.2	23.00	675.0	26.57
DH	80.0	3.15	80.0	3.15	80.0	3.15	85.0	3.35	87.5	3.44	110.0	4.33	110.0	4.33
BTO	10-M12	10-1/2-13	16-M16	16-5/8-11	18-M16	18-5/8-11	18-M16	18-5/8-11	20-M16	20-5/8-11	36-M20	36-3/4-10	24-M20	24-3/4-10
BTI	11-M12	11-1/2-13	15-M16	15-5/8-11	19-M16	19-5/8-11	23-M16	23-5/8-11	20-M16	20-5/8-11	35-M20	35-3/4-10	24-M20	24-3/4-10
A	206.5	8.13	244.0	9.61	286.5	11.28	301.5	11.87	349.0	13.74	415.0	16.34	464.0	18.27
B	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	295.0	11.61	330.0	12.99	370.0	14.57	380.0	14.96	405.0	15.94	482.5	19.00	512.5	20.18
D	147.5	5.81	165.0	6.50	185.0	7.28	190.0	7.48	202.5	7.97	245.0	9.65	260.0	10.24
ØE	175.0	6.89	220.0	8.66	310.0	12.20	330.0	12.99	426.0	16.77	526.0	20.71	621.0	24.45
ØF	14.0	0.55	18.0	0.71	18.0	0.71	18.0	0.71	18.0	0.71	22.0	0.87	22.0	0.87
G	22.0	0.87	30.0	1.18	30.0	1.18	35.0	1.38	30.0	1.18	40.0	1.57	40.0	1.57
H	51.0	2.01	57.0	2.24	57.0	2.24	62.0	2.44	57.0	2.24	70.0	2.76	70.0	2.76
I	22.0	0.87	30.0	1.18	30.0	1.18	30.0	1.18	30.0	1.18	40.0	1.57	40.0	1.57
J	14.8	0.58	2.5	0.10	2.5	0.10	2.5	0.10	7.0	0.28	6.5	0.26	6.5	0.26
ØK	175.0	6.89	222.5	8.76	310.0	12.20	342.0	13.46	421.0	16.57	526.0	20.71	621.0	24.45
ØL	230.0	9.06	302.0	11.89	390.0	15.35	422.0	16.61	-	-	-	-	-	-
ØSD	See 'Input Table'													
KW	See 'Input Table'													

WE

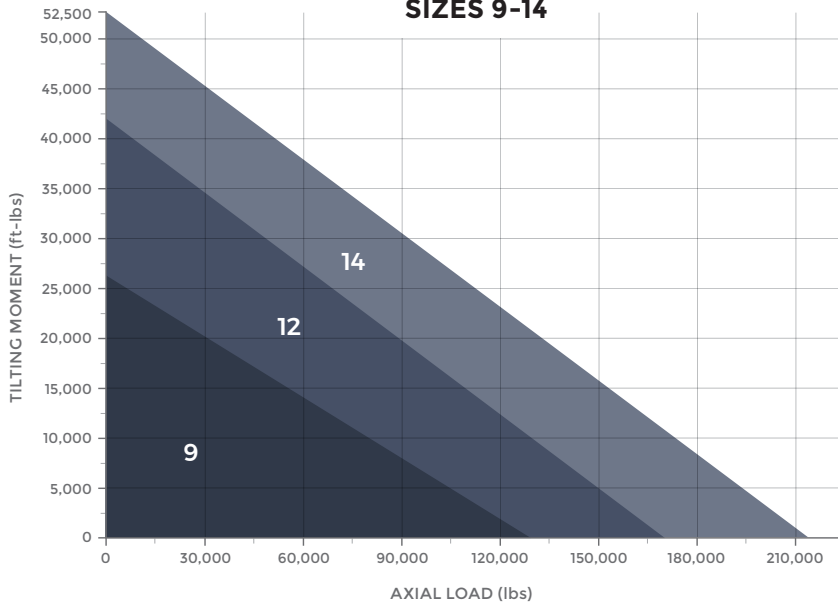
Robust enclosed-gearing slewing drive solution equipped for high duty cycle, medium-speed (<2.5 RPM) applications.

- ▶ Ground cylindrical worm from proprietary materials and heat-treating processes for ultimate gear life
- ▶ 6 distinct sizes, up to 25" bearing diameter
- ▶ Standard sealing and grease fill
- ▶ Ideal for dust and debris-prone environments

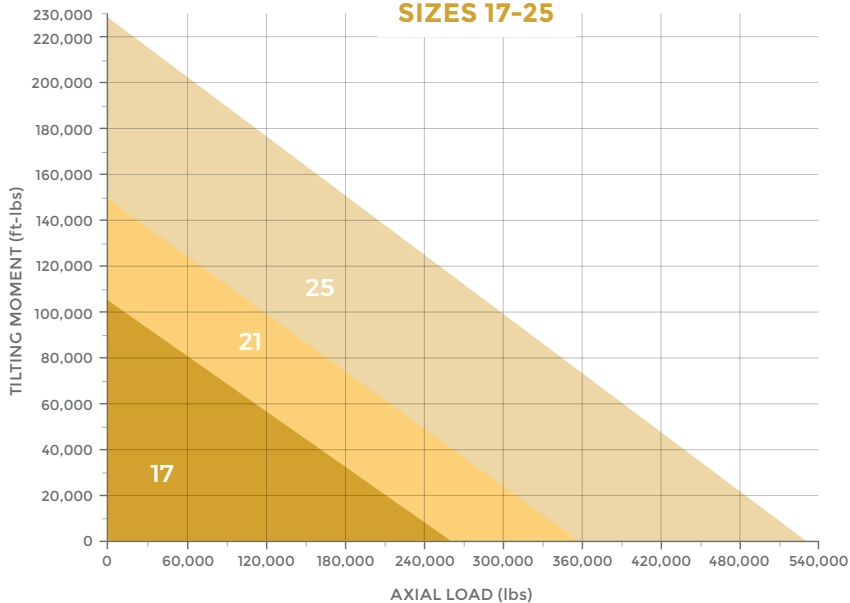


WE EQUIVALENT MOMENT LOADING CHARTS

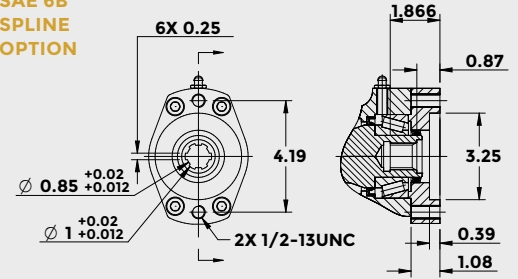
SIZES 9-14



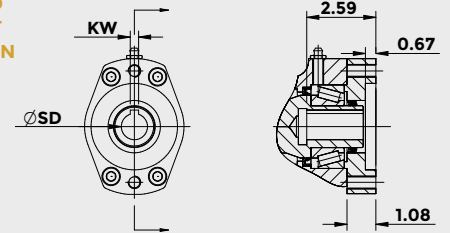
SIZES 17-25



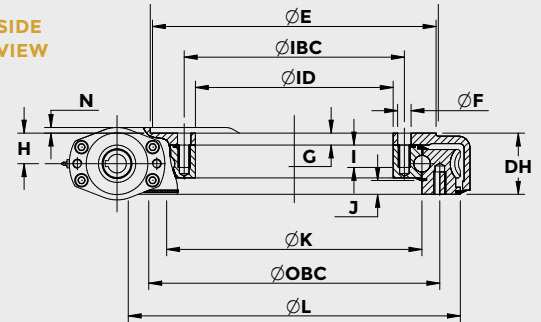
SAE 6B SPLINE OPTION



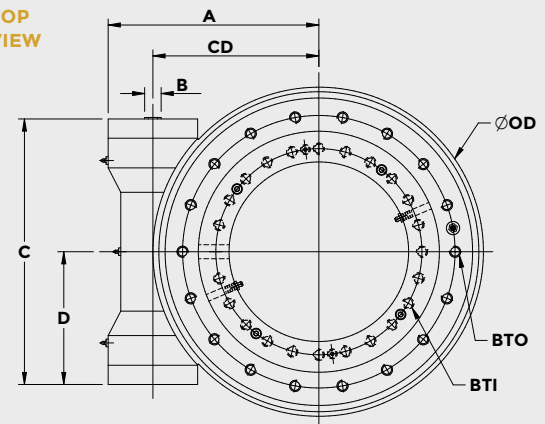
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

ALL SIZES	ϕSD (mm)	ϕSD (in)	KW (mm)	KW (in)
	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

WE SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
9	8.0	35.6	38.7	578.0	215.0	136.0	115.0	62	0.15	49
	5,904	26,300	29,000	129,900	48,300	30,600	25,900			107
12	9.5	57.0	43.0	760.0	280.0	190.0	148.0	79	0.15	61
	7,011	42,100	32,000	171,100	62,900	42,700	33,300			134
14	10.8	71.2	48.0	960.0	360.0	230.0	200.0	86	0.13	68
	7,970	52,600	35,000	215,800	80,900	51,700	44,900			150
17	13.0	142.4	72.3	1166.0	435.0	280.0	231.0	104	0.1	90
	9,564	105,000	53,400	262,000	97,800	62,900	51,900			198
21	28.7	203.0	105.8	1598.0	640.0	385.0	335.0	90	0.1	169
	21,180	150,000	78,100	359,000	144,000	87,000	75,000			373
25	34.2	310.0	158.3	2360.0	945.0	590.0	470.0	104	0.1	199
	25,240	229,000	117,000	531,000	212,000	133,000	106,000			439

WE SERIES DIMENSIONS

Size	9 (mm)	9 (in)	12 (mm)	12 (in)	14 (mm)	14 (in)	17 (mm)	17 (in)	21 (mm)	21 (in)	25 (mm)	25 (in)
CD	180.0	7.09	222.5	8.76	237.5	9.35	285.0	11.22	350.0	13.78	399.0	15.71
ØOD	351.0	13.82	436.0	17.17	471.0	18.54	561.0	22.09	678.0	26.69	776.0	30.55
ØID	145.0	5.71	229.0	9.02	265.0	10.43	332.0	13.07	425.0	16.73	525.0	20.67
ØIBC	175.0	6.89	259.0	10.20	295.0	11.61	365.1	14.37	466.7	18.37	565.0	22.24
ØOBC	270.0	10.63	358.0	14.09	390.0	15.35	479.4	18.87	584.2	23.00	675.0	26.57
DH	82.0	3.23	82.0	3.23	82.0	3.23	82.0	3.23	130.0	5.12	130.0	5.12
BTO	16-M16	16-5/8-11	18-M16	18-5/8-11	18-M16	18-5/8-11	20-M16	20-5/8-11	36-M20	36-3/4-10	36-M20	36-3/4-10
BTI	15-M16	15-5/8-11	19-M16	19-5/8-11	23-M16	23-5/8-11	20-M16	20-5/8-11	35-M20	35-3/4-10	35-M20	35-3/4-10
A	244.0	9.61	286.5	11.28	301.5	11.87	349.0	13.74	415.0	16.34	464.0	18.27
B	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	330.0	12.99	370.0	14.57	380.0	14.96	405.0	15.94	482.5	19.00	512.5	20.18
D	165.0	6.50	185.0	7.28	190.0	7.48	202.5	7.97	245.0	9.65	260.0	10.24
ØE	255.0	10.04	340.0	13.39	380.0	14.96	460.0	18.11	550.0	21.65	650.0	25.59
ØF	18.0	0.71	18.0	0.71	18.0	0.71	18.0	0.71	22.0	0.87	22.0	0.87
G	16.0	0.63	16.0	0.63	16.0	0.63	16.0	0.63	30.0	1.18	30.0	1.18
H	41.0	1.61	41.0	1.61	41.0	1.61	41.0	1.61	65.0	2.56	65.0	2.56
I	30.0	1.18	30.0	1.18	30.0	1.18	32.0	1.26	40.0	1.57	40.0	1.57
J	18.0	0.71	18.0	0.71	18.0	0.71	15.0	0.59	36.0	1.42	36.0	1.42
ØK	222.5	8.76	310.0	12.20	342.0	13.46	430.0	16.93	540.0	21.26	630.0	24.80
ØL	325.0	12.80	410.0	16.14	445.0	17.52	535.0	21.06	628.0	24.72	725.0	28.54
M	266	10.47	346.0	13.62	386.0	15.20	466.0	18.35	-	-	-	-
N	7.5	0.30	7.5	0.30	7.5	0.30	7.5	0.30	-	-	-	-
ØSD	See 'Input Table'											
KW	See 'Input Table'											

WEA

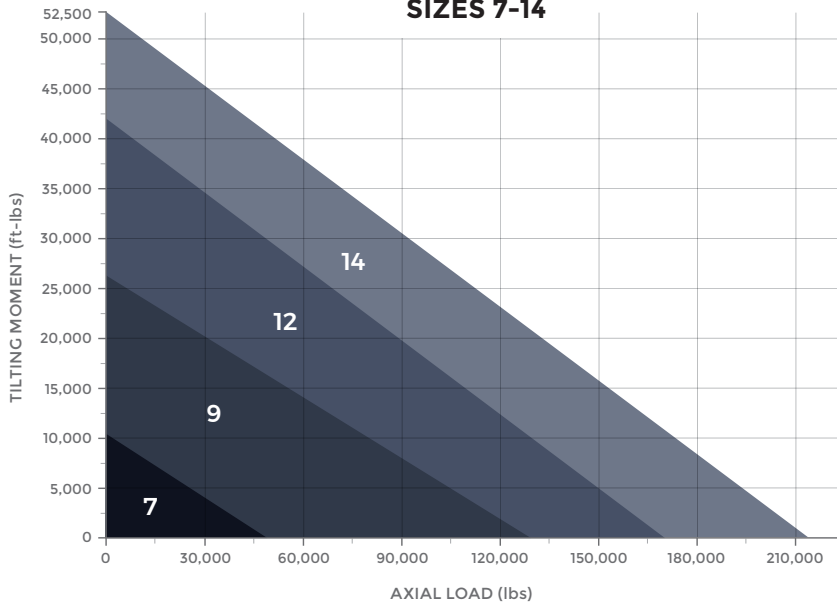
Robust enclosed-gearing slewing drive solution equipped for high duty cycle, medium-speed (<2.5 RPM) applications.

- ▶ Ground cylindrical worm from proprietary materials and heat-treating processes for ultimate gear life
- ▶ 8 distinct sizes, up to 25" bearing diameter
- ▶ Advanced sealing and grease fill
- ▶ Ideal for wet, corrosive, heavy dust and debris-prone environments

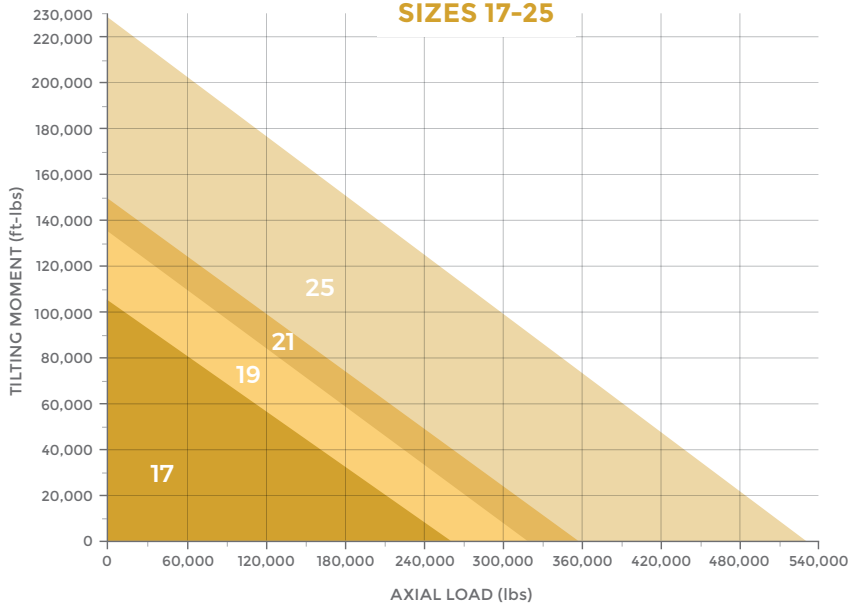


WEA EQUIVALENT MOMENT LOADING CHARTS

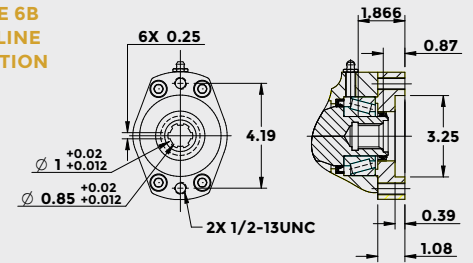
SIZES 7-14



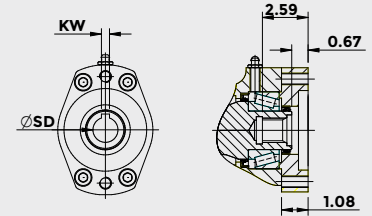
SIZES 17-25



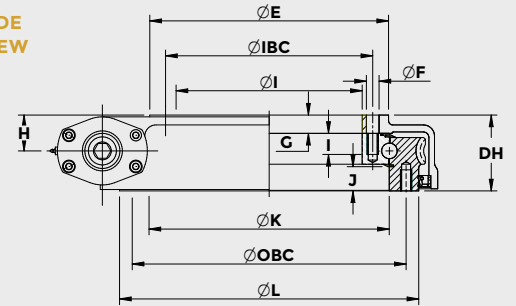
SAE 6B SPLINE OPTION



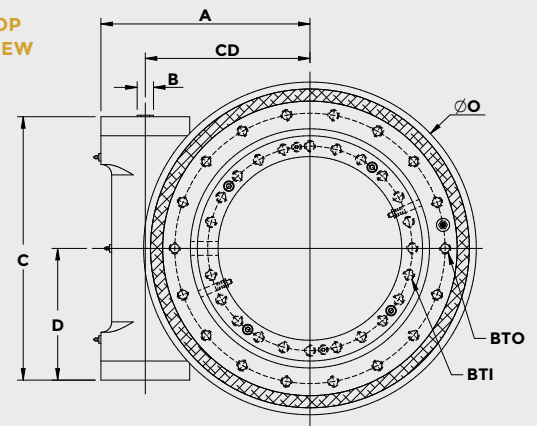
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

	$\varnothing$ SD (mm)	$\varnothing$ SD (in)	KW (mm)	KW (in)
ALL SIZES	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

WEA SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
7	3.5	14.2	20.0	220.0	90.0	63.0	48.0	47	0.15	35
	2,583	10,500	14,800	49,500	20,200	14,200	10,800			77
9	8.0	35.6	38.7	578.0	215.0	136.0	115.0	62	0.15	53
	5,904	26,300	29,000	129,900	48,300	30,600	25,900			117
12	9.5	57.0	43.0	760.0	280.0	190.0	148.0	79	0.15	67
	7,011	42,100	32,000	171,100	62,900	42,700	33,300			147
14	10.8	71.2	48.0	960.0	360.0	230.0	200.0	86	0.13	75
	7,970	52,600	35,000	215,800	80,900	51,700	44,900			165
17	13.0	142.4	72.3	1166.0	435.0	280.0	231.0	104	0.10	96
	9,564	105,000	53,400	262,000	97,800	62,900	51,900			212
19	18.5	196.0	80.1	1800.0	675.0	290.0	250.0	94	0.10	118
	13,653	144,600	59,100	404,600	151,700	65,200	56,200			260
21	28.7	203.0	105.8	1598.0	640.0	385.0	335.0	90	0.10	172
	21,180	150,000	78,100	359,000	144,000	87,000	75,000			379
25	34.2	310.0	158.3	2360.0	945.0	590.0	470.0	104	0.10	202
	25,240	229,000	117,000	531,000	212,000	133,000	106,000			445

WEA SERIES DIMENSIONS

Size	7 (mm)	7 (in)	9 (mm)	9 (in)	12 (mm)	12 (in)	14 (mm)	14 (in)	17 (mm)	17 (in)	19 (mm)	19 (in)	21 (mm)	21 (in)	25 (mm)	25 (in)
CD	142.5	5.61	180.0	7.09	222.5	8.76	237.5	9.35	285.0	11.22	312.5	12.30	350.0	13.78	399.0	15.71
ØO	276.0	10.87	360.0	14.17	445.0	17.52	480.0	18.90	570.0	22.44	625.0	24.61	693.0	27.28	793.0	31.22
ØI	105.0	4.13	145.0	5.71	229.0	9.02	265.0	10.43	332.0	13.07	380.0	14.96	425.0	16.73	525.0	20.67
ØIBC	135.0	5.31	175.0	6.89	259.0	10.20	295.0	11.61	365.1	14.37	420.0	16.54	466.7	18.37	565.0	22.24
ØOBC	205.0	8.07	270.0	10.63	358.0	14.09	390.0	15.35	479.4	18.87	520.0	20.47	584.2	23.00	675.0	26.57
DH	85.0	3.35	108.0	4.25	108.0	4.25	108.0	4.25	108.0	4.25	108.0	4.25	130.0	5.12	130.0	5.12
BTO	10 X M12	10 X 1/2-13	16 X M16	16 X 5/8-11	18 X M16	18 X 5/8-11	18 X M16	18 X 5/8-11	20 X M16	20 X 5/8-11	32 X M16	32 X 5/8-11	36 X M20	36 X 3/4-10	36 X M20	36 X 3/4-10
BTI	11 X M12	11 X 1/2-13	15 X M16	15 X 5/8-11	19 X M16	19 X 5/8-11	23 X M16	23 X 5/8-11	20 X M16	20 X 5/8-11	31 X M16	31 X 5/8-11	35 X M20	35 X 3/4-10	35 X M20	35 X 3/4-10
A	206.5	8.13	244.0	9.61	286.5	11.28	301.5	11.87	349.0	13.74	377.5	14.86	415.0	16.34	464.0	18.27
B	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	295.0	11.61	330.0	12.99	370.0	14.57	380.0	14.96	405.0	15.94	435.0	17.13	482.5	19.00	512.5	20.18
D	147.5	5.81	165.0	6.50	185.0	7.28	190.0	7.48	202.5	7.97	217.5	8.56	245.0	9.65	260.0	10.24
ØE	195.0	7.68	220.0	8.66	300.0	11.81	340.0	13.39	406.0	15.98	490.0	19.29	550.0	21.65	650.0	25.59
ØF	14.0	0.55	18.0	0.71	18.0	0.71	18.0	0.71	18.0	0.71	18.0	0.71	22.0	0.87	22.0	0.87
G	16.0	0.63	32.0	1.26	32.0	1.26	26.0	1.02	30.0	1.18	25.0	0.98	30.0	1.18	30.0	1.18
H	48.5	1.91	57.0	2.24	57.0	2.24	51.0	2.01	55.0	2.17	53.0	2.09	65.0	2.56	65.0	2.56
I	25.0	0.98	30.0	1.18	30.0	1.18	30.0	1.18	32.0	1.26	32.0	1.26	40.0	1.57	40.0	1.57
J	25.0	0.98	28.0	1.10	28.0	1.10	34.0	1.34	27.0	1.06	26.0	1.02	36.0	1.42	36.0	1.42
ØK	175.0	6.89	222.5	8.76	310.0	12.20	342.0	13.46	430.0	16.93	480.0	18.90	540.0	21.26	630.0	24.80
ØL	231.0	9.09	301.0	11.85	391.0	15.39	426.0	16.77	511.0	20.12	570.0	22.44	629.0	24.76	726.0	28.58
ØSD	See 'Input Table'															
KW	See 'Input Table'															

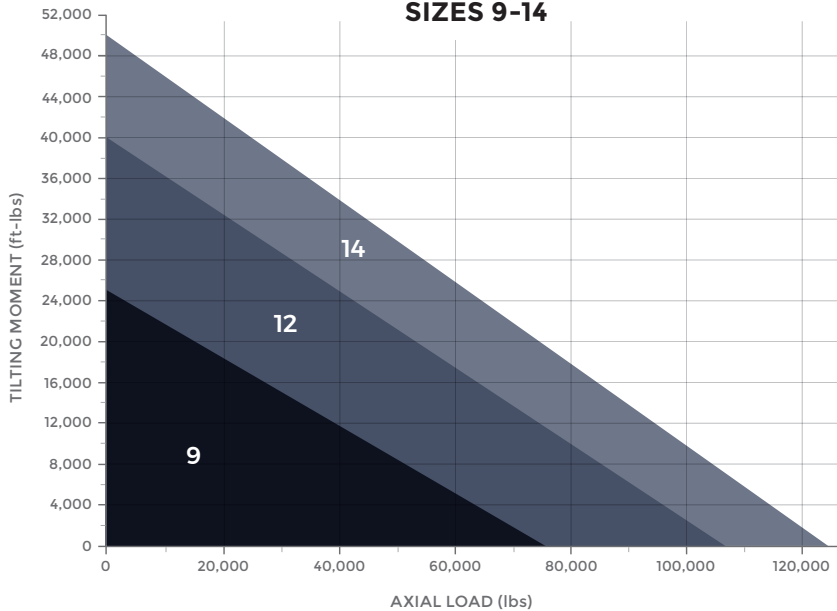
S

Lightweight open-gearing slewing drive solution equipped for low duty cycle, low-speed (<1 RPM) applications.

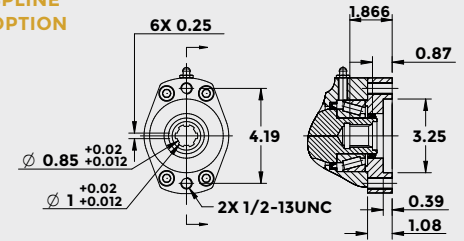
- ▶ Hour-glass worm for competitive gear contact and life, and static load capacity
- ▶ 3 distinct size offerings, up to 14" bearing diameter
- ▶ Standard sealing and grease fill
- ▶ Ideal for weight and cost-sensitive applications



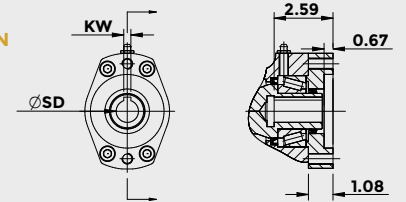
**S EQUIVALENT MOMENT LOADING CHARTS
SIZES 9-14**



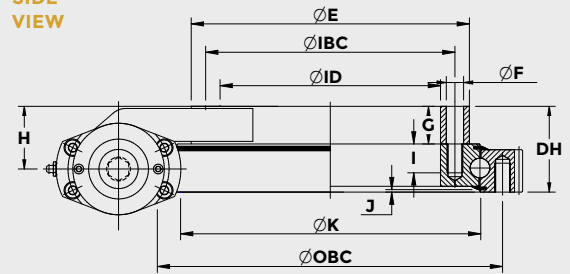
**SAE 6B
SPLINE
OPTION**



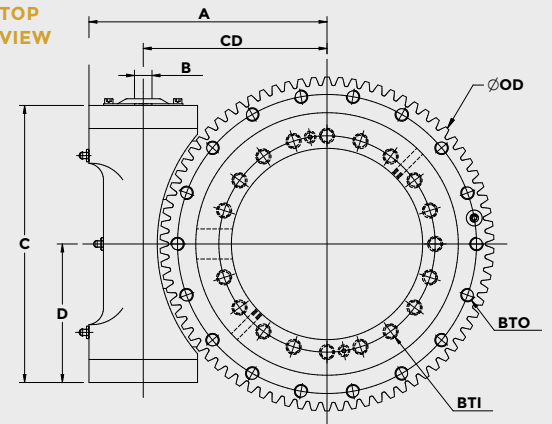
**KEYED
SHAFT
OPTION**



**SIDE
VIEW**



**TOP
VIEW**



INPUT TABLE

	ϕ SD (mm)	ϕ SD (in)	KW (mm)	KW (in)
ALL SIZES	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

S SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
9	6.5	33.9	38.7	338.0	135.0	81.0	71.0	61	0.17	37
	4,794	25,000	29,000	76,000	30,000	18,000	16,000			82
12	7.5	54.3	43.0	475.0	190.0	114.0	100.0	78	0.17	41
	5,532	40,000	32,000	107,000	43,000	26,000	23,000			90
14	8.0	67.8	48.0	555.0	222.0	133.0	117.0	85	0.17	47
	5,900	50,000	35,000	125,000	50,000	30,000	26,000			104

S SERIES DIMENSIONS

Size	9 (mm)	9 (in)	12 (mm)	12 (in)	14 (mm)	14 (in)
CD	174.5	6.87	220.0	8.66	237.6	9.35
ØOD	314.0	12.36	400.0	15.75	434.8	17.12
ØID	145.0	5.71	229.0	9.02	265.0	10.43
ØIBC	175.0	6.89	259.0	10.20	295.0	11.61
ØOBC	270.0	10.63	358.0	14.09	390.0	15.35
DH	89.4	3.52	89.1	3.51	89.1	3.51
BTO	16-M16	16-5/8-11	18-M16	18-5/8-11	18-M16	18-5/8-11
BTI	15-M16	15-5/8-11	19-M16	19-5/8-11	23-M16	23-5/8-11
A	239.0	9.41	285.0	11.22	303.0	11.93
B	21.0	0.83	21.0	0.83	21.0	0.83
C	322.0	12.68	332.0	13.07	338.0	13.31
D	161.0	6.34	166.0	6.54	169.0	6.65
ØE	204.0	8.03	289.0	11.38	325.0	12.80
ØF	18.0	0.71	18.0	0.71	18.0	0.71
G	39.4	1.55	39.1	1.54	39.1	1.54
H	55.4	2.18	65.1	2.56	65.1	2.56
I	30.0	1.18	30.0	1.18	32.0	1.26
J	2.5	0.10	2.5	0.10	3.5	0.14
ØK	222.5	8.76	314.3	12.37	342.5	13.48
KW	See 'Input Table'					
ØSD	See 'Input Table'					

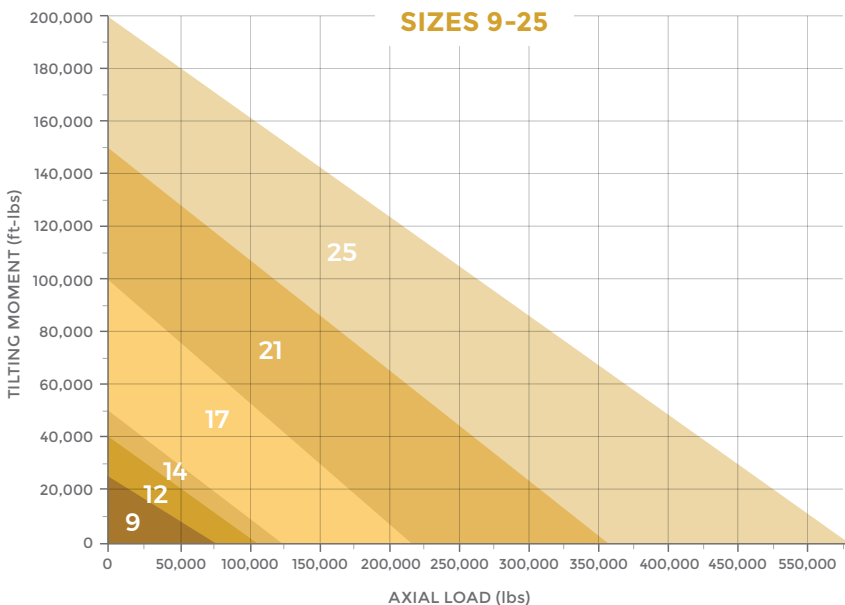
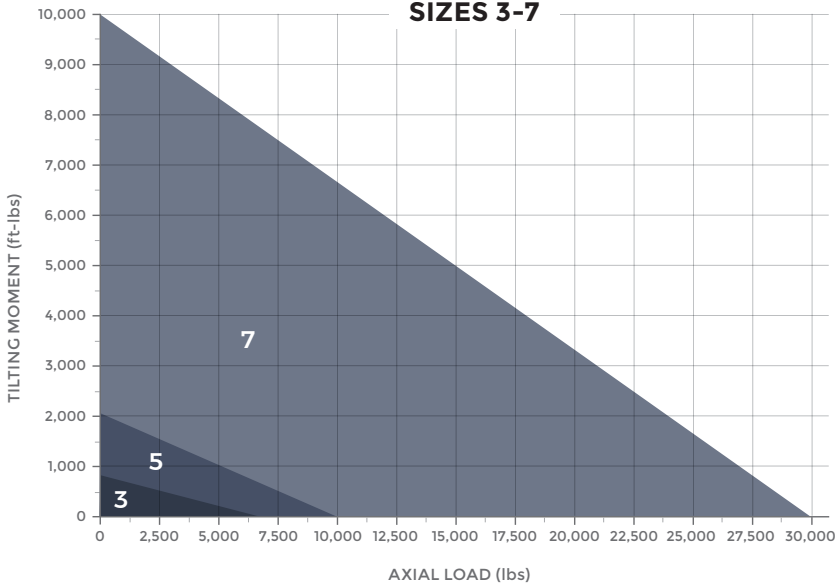
SE

Robust enclosed-gearing slewing drive solution equipped for low duty cycle, low-speed (<1 RPM) applications.

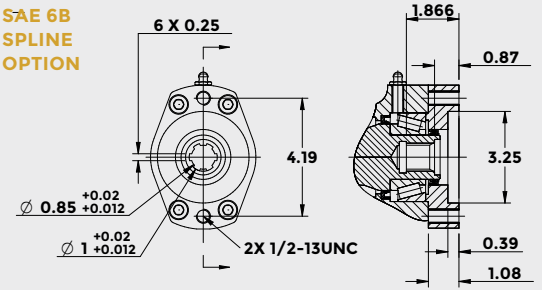
- ▶ Hour-glass worm for competitive gear contact and life, and static load capacity
- ▶ Multiple precision levels: variable backlash for customizable positioning accuracy
- ▶ 13 distinct size offerings, up to 25" bearing diameter
- ▶ Standard sealing and grease fill
- ▶ Ideal for dust & debris-prone environments



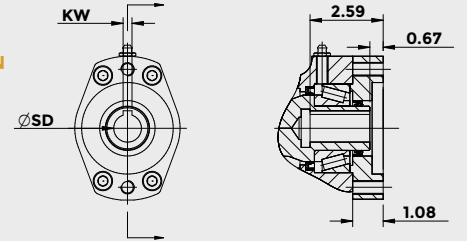
SE EQUIVALENT MOMENT LOADING CHARTS
SIZES 3-7



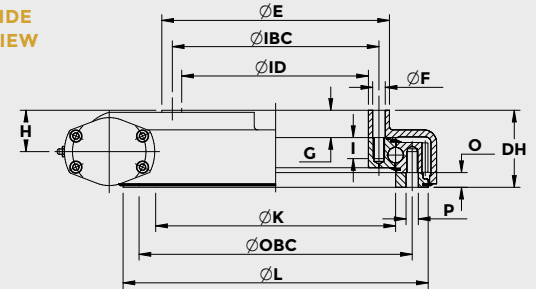
SAE 6B SPLINE OPTION



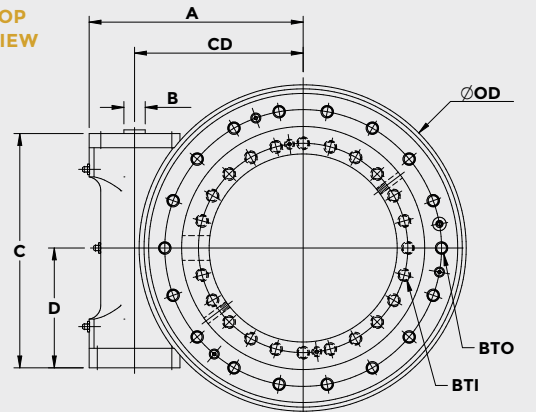
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

Size	ØSD (mm)	ØSD (in)	KW (mm)	KW (in)
3-7	12	0.47	4	0.16
3-7	14	0.55	5	0.20
3-7	16	0.63	5	0.20
9-25	12	0.47	4	0.16
9-25	14	0.55	5	0.20
9-25	16	0.63	5	0.20
9-25	20	0.79	6	0.24
9-25	25	0.98	8	0.31
9-25	25.4	1.00	6.35	0.25

SE SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
3	0.4	1.1	2.0	0.030	0.017	0.010	0.008	62	0.2	12
	295	811	1,475	6,744	3,732	2,158	1,888			26
5	0.6	2.8	5.0	0.045	0.022	0.014	0.011	62	0.2	16
	443	2,066	3,690	10,116	4,946	3,237	2,495			35
7	1.5	13.5	10.4	0.133	0.053	0.032	0.028	73	0.2	21
	1,107	9,957	7,671	29,900	11,915	7,194	6,295			46
9	6.5	33.9	38.7	338.0	135.0	81.0	71.0	61	0.17	49
	4,794	25,000	29,000	76,000	30,000	18,000	16,000			108
12	7.5	54.3	43.0	475.0	190.0	114.0	100.0	78	0.17	61
	5,532	40,000	32,000	107,000	43,000	26,000	23,000			134
14	8.0	67.8	48.0	555.0	222.0	133.0	117.0	85	0.17	64
	5,900	50,000	35,000	125,000	50,000	30,000	26,000			141
17	10.0	135.6	72.3	970.0	390.0	235.0	205.0	102	0.15	105
	7,400	100,000	53,000	218,000	88,000	53,000	46,000			231
21	15.0	203.0	105.8	1598.0	640.0	385.0	335.0	125	0.15	149
	11,000	150,000	78,000	359,000	144,000	87,000	75,000			328
25	18.0	271.0	158.3	2360.0	945.0	590.0	470.0	150	0.15	204
	13,300	200,000	117,000	531,000	212,000	133,000	106,000			450

SE SERIES DIMENSIONS

Size	3 (mm)	3 (in)	5 (mm)	5 (in)	7 (mm)	7 (in)	9 (mm)	9 (in)	12 (mm)	12 (in)	14 (mm)	14 (in)	17 (mm)	17 (in)	21 (mm)	21 (in)	25 (mm)	25 (in)
CD	80.0	3.15	94.0	3.70	132.7	5.22	174.2	6.86	220.0	8.66	237.6	9.35	282.6	11.12	339.1	13.35	401.8	15.82
ØOD	152.0	5.98	179.0	7.05	258.0	10.16	340.0	13.39	427.0	16.81	460.0	18.11	552.6	21.76	668.0	26.30	792.0	31.18
ØID	-	-	40.0	1.57	98.0	3.86	145.0	5.71	229.0	9.02	265.0	10.43	324.0	12.76	431.8	17.00	512.0	20.16
ØIBC	100.0	3.94	100.0	3.94	120.6	4.75	175.0	6.89	259.0	10.20	295.0	11.61	365.1	14.37	466.7	18.37	565.0	22.24
ØOBC	100.0	3.94	128.0	5.04	203.2	8.00	270.0	10.63	358.0	14.09	390.0	15.35	479.4	18.87	584.2	23.00	675.0	26.57
DH	97.5	3.84	102.0	4.02	80.8	3.18	108.0	4.25	110.4	4.35	110.0	4.33	126.0	4.96	136.5	5.37	130.0	5.12
BTO	6-M10	6-3/8-16	6-M10	6-3/8-16	8-M12	8-1/2-13	16-M16	16-5/8-11	18-M16	18-5/8-11	18-M16	18-5/8-11	20-M16	20-5/8-11	36-M20	36-3/4-10	36-M20	36-3/4-10
BTI	6-M10	6-3/8-16	6-M10	6-3/8-16	10-M12	10-1/2-13	15-M16	15-5/8-11	19-M16	19-5/8-11	23-M16	23-5/8-11	20-M16	20-5/8-11	35-M20	35-3/4-10	35-M20	35-3/4-10
A	114.0	4.49	131.5	5.18	166.7	6.56	238.0	9.37	285.0	11.22	303.0	11.93	348.0	13.70	403.0	15.87	467.0	18.39
B	-	-	-	-	15.6	0.61	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	160.8	6.33	173.0	6.81	188.8	7.43	314.0	12.36	324.0	12.76	330.0	12.99	378.0	14.88	462.0	18.19	462.0	18.19
D	81.8	3.22	86.0	3.39	93.0	3.66	153.0	6.02	158.0	6.22	161.0	6.34	185.0	7.28	227.0	8.94	227.0	8.94
ØE	126.0	4.96	126.0	4.96	145.0	5.71	204.0	8.03	289.0	11.38	325.0	12.80	406.0	15.98	533.4	21.00	628.0	24.72
ØF	11.5	0.45	11.5	0.45	14.0	0.55	18.0	0.71	18.0	0.71	18.0	0.71	18.0	0.71	22.0	0.87	22.0	0.87
G	15.0	0.59	15.0	0.59	20.0	0.79	35.0	1.38	39.4	1.55	39.0	1.54	47.0	1.85	51.0	2.01	47.0	1.85
H	60.5	2.38	58.0	2.28	42.5	1.67	56.1	2.21	58.4	2.30	59.0	2.32	66.0	2.60	76.2	3.00	76.2	3.00
I	17.0	0.67	18.0	0.71	25.0	0.98	30.0	1.18	30.0	1.18	30.0	1.18	32.0	1.26	40.0	1.57	40.0	1.57
ØK	-	-	-	-	163.0	6.42	222.5	8.76	308.5	12.15	342.5	13.48	425.0	16.73	525.5	20.69	620.0	24.41
ØL	115.0	4.53	146.0	5.75	237.5	9.35	316.0	12.44	402.0	15.83	435.5	17.15	522.0	20.55	618.0	24.33	744.0	29.29
O	-	-	-	-	17.4	0.69	23.0	0.91	21.0	0.83	21.0	0.83	23.0	0.91	-	-	-	-
P	-	-	-	-	14.0	0.55	17.5	0.69	18.0	0.71	17.5	0.69	17.5	0.69	-	-	-	-
KW	See '3-7 Input Table'						See '9-25 Input Table'											
ØSD	See '3-7 Input Table'						See '9-25 Input Table'											

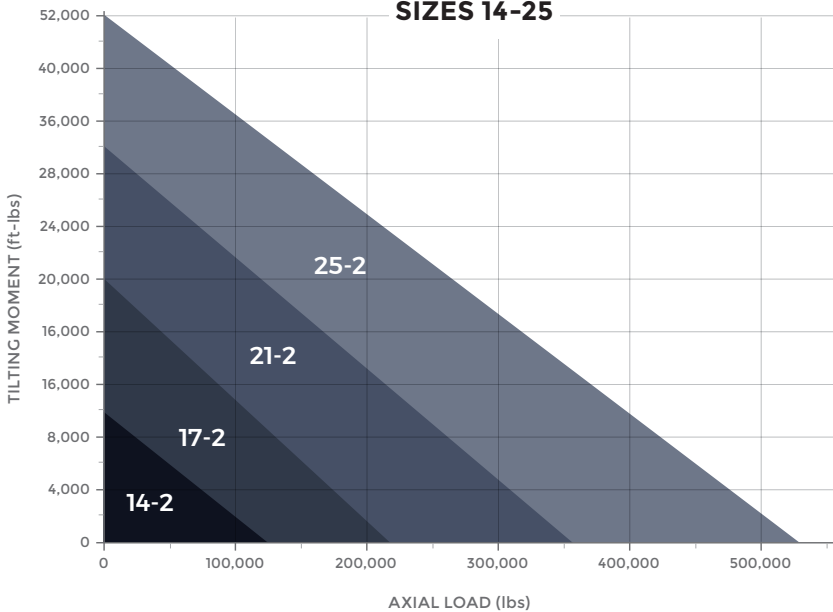
SE-2

Robust enclosed-gearing slewing drive solution, featuring dual-worm technology for superior dynamic and static torque capacity, equipped for low duty cycle, low-speed (<1 RPM) applications.

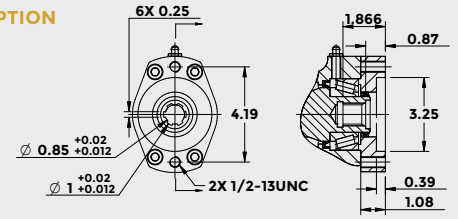
- ▶ Hour-glass worm for competitive gear contact and life, and static load capacity
- ▶ Multiple precision levels: variable backlash for customizable positioning accuracy
- ▶ 13 distinct size offerings, up to 25" bearing diameter
- ▶ Standard sealing and grease fill
- ▶ Ideal for dust and debris-prone environments
- ▶ Dual-worm option for additional dynamic and static torque capacity



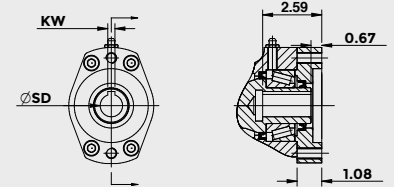
SE-2 EQUIVALENT MOMENT LOADING CHARTS
SIZES 14-25



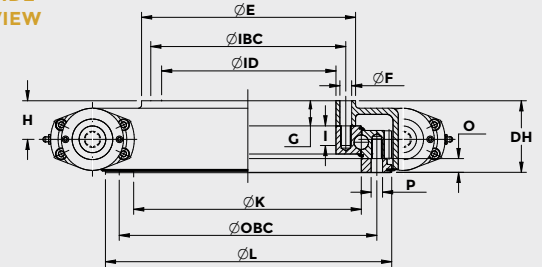
SAE 6B SPLINE OPTION



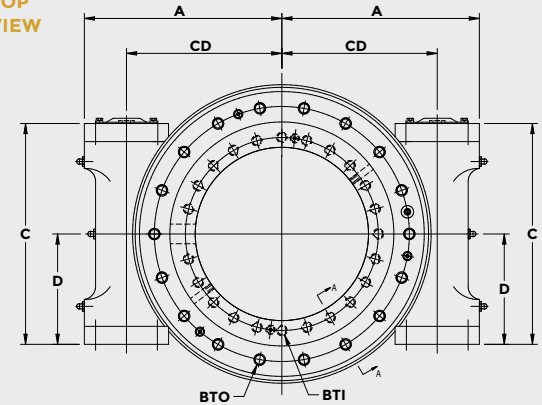
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

	ØSD (mm)	ØSD (in)	KW (mm)	KW (in)
ALL SIZES	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

SE-2 SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lbf)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
14-2	12.0	67.8	81.6	555.0	222.0	133.0	117.0	85	0.17	62
	8,851	50,000	59,500	125,000	50,000	30,000	26,000			137
17-2	16.8	135.6	122.9	970.0	390.0	235.0	205.0	102	0.15	102
	12,390	100,000	90,000	218,000	88,000	53,000	46,000			225
21-2	20.6	203.0	179.9	1598.0	640.0	385.0	335.0	125	0.15	143
	15,194	150,000	132,600	359,000	144,000	87,000	75,000			315
25-2	28.0	271.0	269.1	2360.0	945.0	590.0	470.0	150	0.15	202
	20,652	200,000	198,900	531,000	212,000	133,000	106,000			445

SE-2 SERIES DIMENSIONS

Size	14 (mm)	14 (in)	17 (mm)	17 (in)	21 (mm)	21 (in)	25 (mm)	25 (in)
CD	237.6	9.35	282.6	11.12	339.1	13.35	401.8	15.82
ØOD	456.6	17.98	552.5	21.75	-	-	792.0	31.18
ØID	265.0	10.43	324.0	12.76	431.8	17.00	512.0	20.16
ØIBC	295.0	11.61	365.1	14.37	466.7	18.37	565.0	22.24
ØOBC	390.0	15.35	479.4	18.87	584.2	23.00	675.0	26.57
DH	110.0	4.33	126.0	4.96	120.0	4.72	130.0	5.12
BTO	18-M16	18-5/8-11	20-M16	20-5/8-11	36-M20	36-3/4-10	36-M20	36-3/4-10
BTI	23-M16	23-5/8-11	20-M16	20-5/8-11	35-M20	35-3/4-10	35-M20	35-3/4-10
A	302.0	11.89	346.5	13.64	403.0	15.87	467.0	18.39
B	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	338.0	13.31	385.0	15.16	469.0	18.46	469.0	18.46
D	169.0	6.65	193.0	7.60	234.5	9.23	234.6	9.24
ØE	325.0	12.80	406.0	15.98	533.4	21.00	628.0	24.72
ØF	18.0	0.71	18.0	0.71	22.0	0.87	22.0	0.87
G	39.0	1.54	47.0	1.85	34.2	1.35	47.0	1.85
H	59.0	2.32	66.0	2.60	64.0	2.52	76.2	3.00
I	30.0	1.18	32.0	1.26	40.0	1.57	40.0	1.57
ØK	342.5	13.48	425.0	16.73	525.5	20.69	620.0	24.41
ØL	435.5	17.15	522.0	20.55	618.0	24.33	744.0	29.29
ØO	21.0	0.83	23.0	0.91	-	-	-	-
ØP	17.5	0.69	17.5	0.69	-	-	-	-

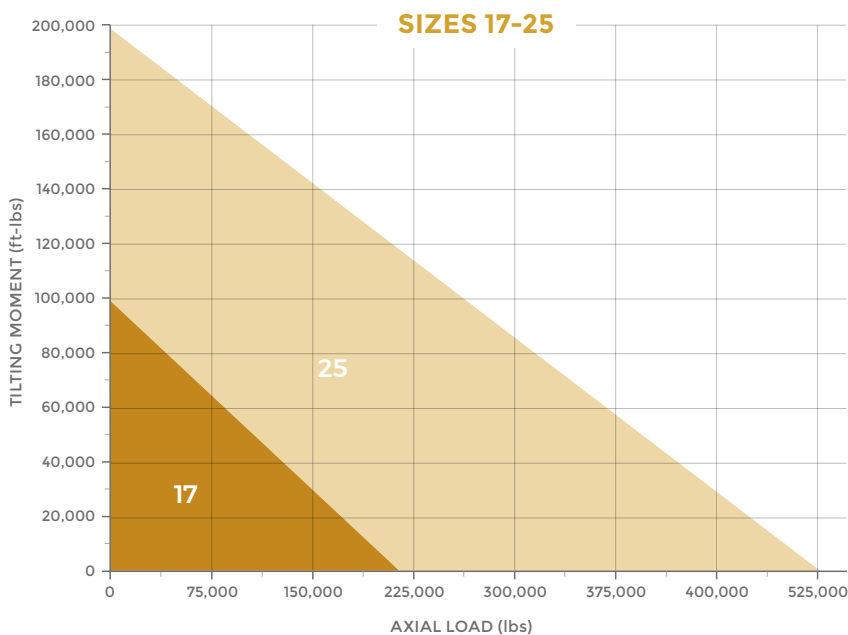
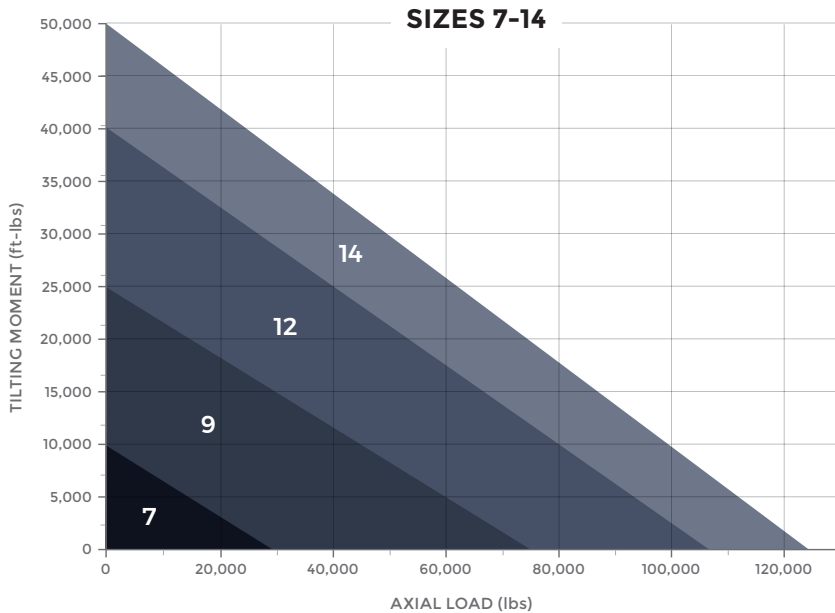
SEA

Robust enclosed-gearing slewing drive solution equipped for low duty cycle, low-speed (<1 RPM) applications.

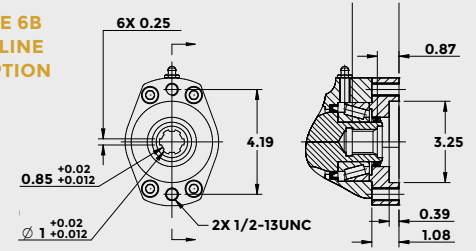
- ▶ Hour-glass worm for competitive gear contact and life, and static load capacity
- ▶ Multiple precision levels: variable backlash for customizable positioning accuracy
- ▶ 6 distinct size offerings, up to 25" bearing diameter
- ▶ Advanced sealing and grease fill
- ▶ Ideal for wet, corrosive, heavy dust and debris-prone environments



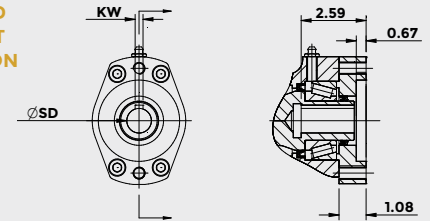
SEA EQUIVALENT MOMENT LOADING CHARTS



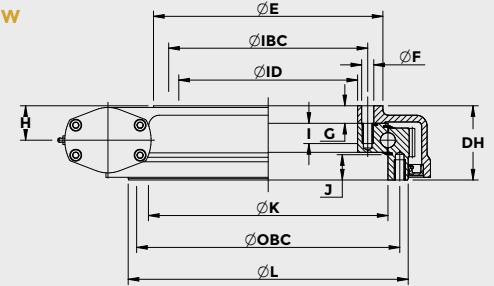
SAE 6B SPLINE OPTION



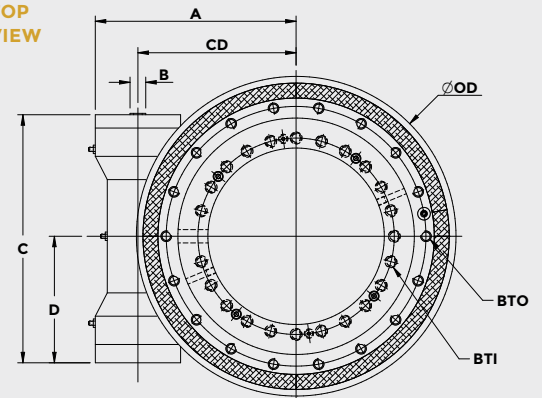
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

	ØSD (mm)	ØSD (in)	KW (mm)	KW (in)
ALL SIZES	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

SEA SERIES RATINGS

Series	Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lbf)	Holding Torque (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
7	1.5	13.5	10.4	133.0	53.0	32.0	28.0	73	0.2	25
	1,107	9,957	7,671	29,900	11,915	7,194	6,295			55
9	6.5	33.9	38.7	338.0	135.0	81.0	71.0	61	0.17	48
	4,794	25,000	29,000	76,000	30,000	18,000	16,000			106
12	7.5	54.3	43.0	475.0	190.0	114.0	100.0	78	0.17	63
	5,532	40,000	32,000	107,000	43,000	26,000	23,000			139
14	8.0	67.8	48.0	555.0	222.0	133.0	117.0	85	0.17	64
	5,900	50,000	35,000	125,000	50,000	30,000	26,000			141
17	10.0	135.6	72.3	970.0	390.0	235.0	205.0	102	0.15	88
	74,000	100,000	53,000	218,000	88,000	53,000	46,000			194
25	18.0	271.0	158.3	2360.0	945.0	590.0	470.0	150	0.15	158
	13,300	200,000	117,000	531,000	212,000	133,000	106,000			348

SEA SERIES DIMENSIONS

Size	7 (mm)	7 (in)	9 (mm)	9 (in)	12 (mm)	12 (in)	14 (mm)	14 (in)	17 (mm)	17 (in)	25 (mm)	25 (in)
CD	132.7	5.22	174.2	6.86	220.0	8.66	237.5	9.35	282.6	11.12	386.8	15.23
ØOD	266.0	10.47	342.0	13.46	437.0	17.20	480.0	18.90	562.0	22.13	780.0	30.71
ØID	98.0	3.86	146.0	5.75	229.0	9.02	265.0	10.43	350.0	13.78	525.0	20.67
ØIBC	120.6	4.75	175.0	6.89	259.0	10.20	295.0	11.61	386.0	15.20	565.0	22.24
ØOBC	203.2	8.00	270.0	10.63	358.0	14.09	390.0	15.35	479.4	18.87	675.0	26.57
DH	80.8	3.18	108.0	4.25	108.0	4.25	110.0	4.33	110.0	4.33	108.0	4.25
BTO	8-M12	8-1/2-13	16-M16	16-5/8-11	18-M16	18-5/8-11	18-M16	18-5/8-11	20-M16	20-5/8-11	36-M20	36-3/4-10
BTI	10-M12	10-1/2-13	15-M16	15-5/8-11	19-M16	19-5/8-11	23-M16	23-5/8-11	20-M16	20-5/8-11	35-M20	35-3/4-10
A	170.2	6.70	238.0	9.37	284.0	11.18	301.5	11.87	347.0	13.66	451.8	17.79
B	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	211.0	8.31	314.0	12.36	342.5	13.48	372.5	14.67	387.5	15.26	477.5	18.80
D	106.0	4.17	161.0	6.34	175.0	6.89	190.0	7.48	197.5	7.78	242.5	9.55
ØE	150.0	5.91	204.0	8.03	300.0	11.81	340.0	13.39	430.0	16.93	628.0	24.72
ØF	14.0	0.55	18.0	0.71	18.0	0.71	18.0	0.71	18.0	0.71	22.0	0.87
G	22.0	0.87	30.0	1.18	30.0	1.18	26.0	1.02	31.0	1.22	28.0	1.10
H	40.0	1.57	52.0	2.05	52.5	2.07	51.0	2.01	56.0	2.20	53.0	2.09
I	25.0	0.98	30.0	1.18	30.0	1.18	30.0	1.18	32.0	1.26	40.0	1.57
J	10.0	0.39	30.5	1.20	30.5	1.20	37.0	1.46	27.0	1.06	18.5	0.73
ØK	163.0	6.42	222.5	8.76	320.0	12.60	355.0	13.98	435.0	17.13	622.0	24.49
ØL	221.0	8.70	296.0	11.65	382.0	15.04	415.0	16.34	505.0	19.88	710.0	27.95
KW	See 'Input Table'											
ØSD	See 'Input Table'											

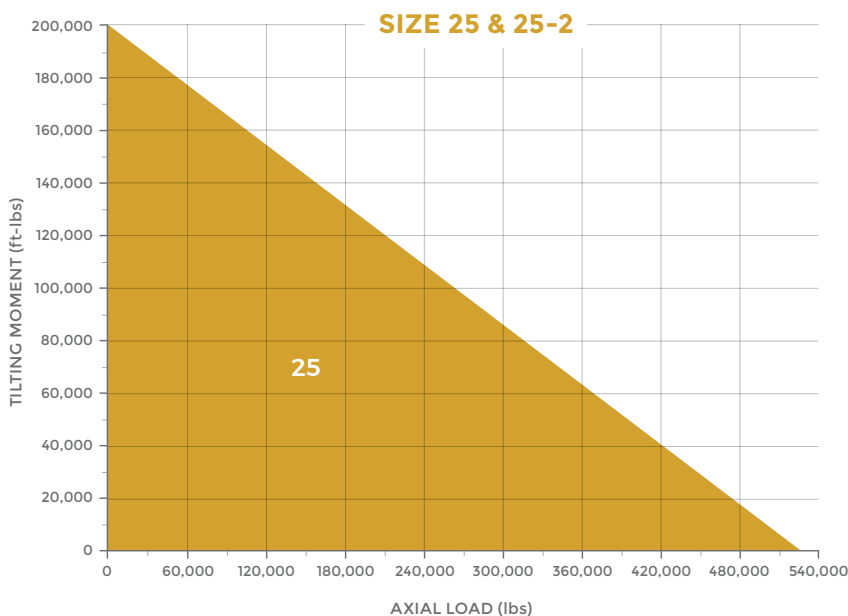
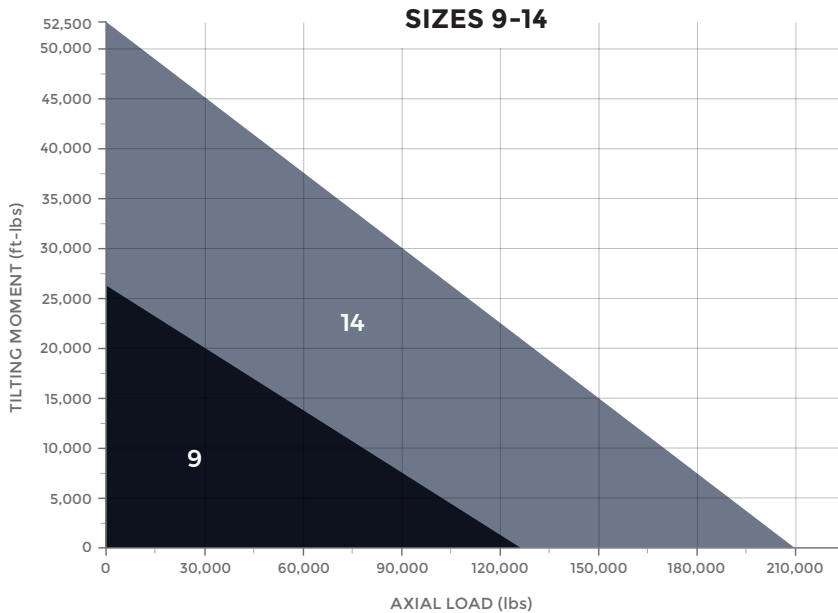
HSE

Robust enclosed-gearing slewing drive solution equipped for low-speed (<1 RPM) applications.

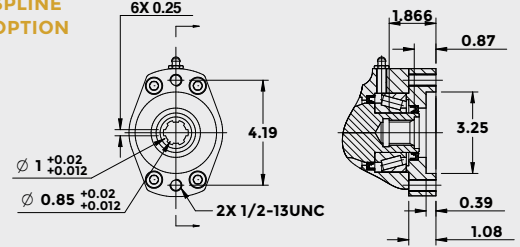
- ▶ Hour-glass worm and bronze gear for competitive gear contact and life and dynamic load capacity
- ▶ 3 distinct sizes, up to 25" bearing diameter
- ▶ Advanced sealing and grease fill
- ▶ Ideal for wet, corrosive, heavy dust and debris-prone environments
- ▶ Dual-worm option for additional dynamic and static torque capacity
- ▶ Common to wheel drive applications



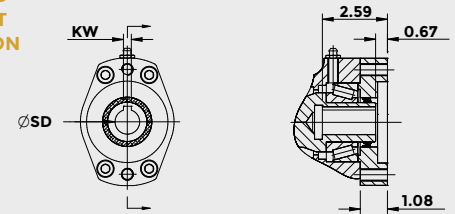
HSE EQUIVALENT MOMENT LOADING CHARTS



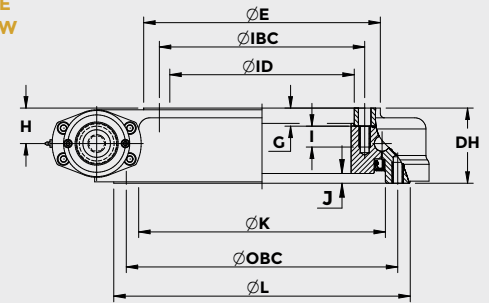
SAE 6B SPLINE OPTION



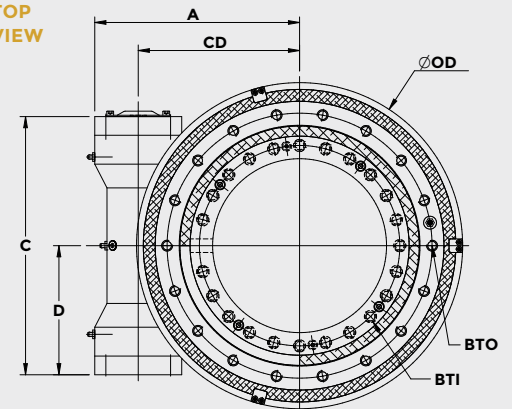
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

	ØSD (mm)	ØSD (in)	KW (mm)	KW (in)
ALL SIZES	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

HSE SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Max Output Torque (kNm/ft-lbf)	Tilting Moment (kNm/ft-lb)	Static Axial Rating (kN/lbf)	Static Radial Rating (kN/lbf)	Dynamic Axial Rating (kN/lbf)	Dynamic Radial Rating (kN/lbf)	Gear Ratio	Backlash (< degree)	Weight (kg/lbs)
9	9.0	10.8	35.6	578.0	215.0	136.0	115.0	62	0.15	53
	6,642	7,970	26,300	129,900	48,300	30,600	25,900			117
14	12.0	14.4	71.2	960.0	360.0	230.0	200.0	86	0.13	80
	8,856	10,627	52,600	215,800	80,900	51,700	44,900			176
25	25.0	30.0	271.0	2360.0	945.0	590.0	470.0	94	0.15	255
	18,439	22,100	200,000	531,000	212,000	133,000	106,000			562
25-2	50.0	60.0	271.0	2360.0	945.0	590.0	470.0	94	0.15	255
	36,878	44,200	200,000	531,000	212,000	133,000	106,000			562

HSE SERIES DIMENSIONS

Size	9 (mm)	9 (in)	14 (mm)	14 (in)	25 (mm)	25 (in)	25-2 (mm)	25-2 (in)
CD	180.0	7.09	237.5	9.35	416.0	16.38	416.0	16.38
ØOD	360.0	14.17	480.0	18.90	889.0	35.00	972.0	38.27
ØID	145.0	5.71	256.0	10.08	512.0	20.16	512.0	20.16
ØIBC	175.0	6.89	295.0	11.61	560.0	22.05	560.0	22.05
ØOBC	270.0	10.63	390.0	15.35	685.0	26.97	685.0	26.97
DH	108.0	4.25	108.0	4.25	148.0	5.83	148.0	5.83
BTO	16-M16	16-5/8-11	18-M16	18-5/8-11	30-M16	30-5/8-11	30-M16	30-5/8-11
BTI	15-M16	15-5/8-11	23-M16	23-5/8-11	29-18 thru	29-0.708 thru	29-18 thru	29-0.708 thru
A	244.0	9.61	301.5	11.87	486.0	19.13	486.0	19.13
B	21.0	0.83	21.0	0.83	21.0	0.83	21.0	0.83
C	330.0	12.99	380.0	14.96	511.0	20.12	511.0	20.12
D	165.0	6.50	190.0	7.48	255.5	10.06	255.5	10.06
ØE	220.0	8.66	340.0	13.39	628.0	24.72	628.0	24.72
ØF	18.0	0.71	18.0	0.71	-	-	-	-
G	32.0	1.26	26.0	1.02	23.0	0.91	23.0	0.91
H	57.0	2.24	51.0	2.01	76.2	3.00	76.2	3.00
I	30.0	1.18	30.0	1.18	40.0	1.57	40.0	1.57
J	18.0	0.71	22.0	0.87	30.0	1.18	30.0	1.18
ØK	222.5	8.76	345.0	13.58	-	-	-	-
ØL	301	11.85	426.0	16.77	722.0	28.43	722.0	28.43
KW	See 'Input Table'							
ØSD	See 'Input Table'							

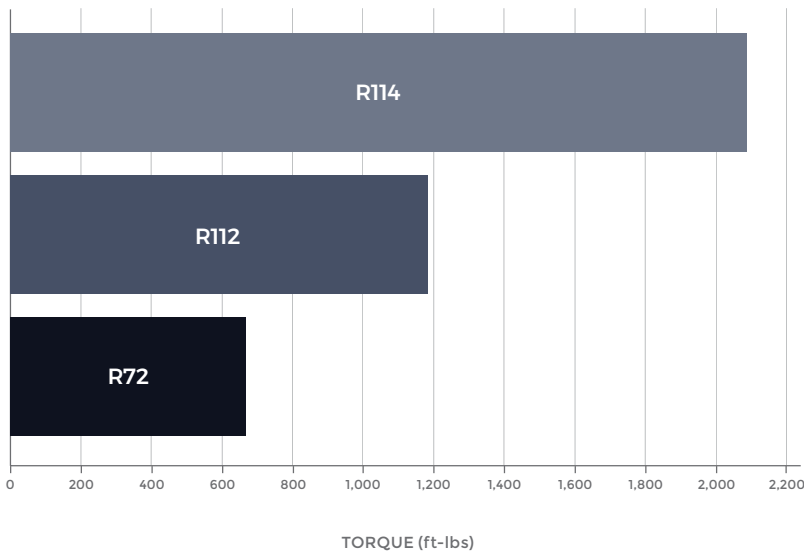
R

Compact enclosed-gearing slewing drive solution equipped to serve as a high speed (<10 rpm) drive component for slew bearings.

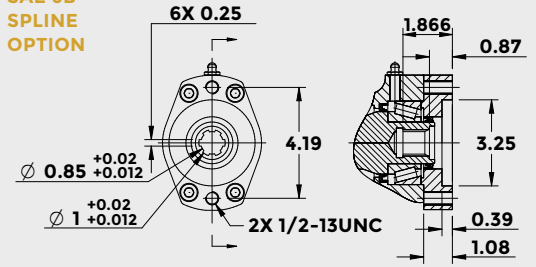
- ▶ Ground cylindrical worm and bronze gear for competitive gear contact life and dynamic load capacity
- ▶ 5 distinct sizes, up to 114 mm gear center distance
- ▶ Standard sealing and grease fill
- ▶ Ideal for dust and debris-prone environments
- ▶ Supplied with pinion and mounting interface for ease of installation to slew bearing system



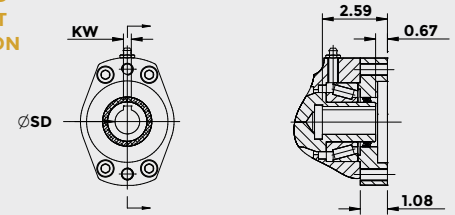
**R EQUIVALENT MOMENT LOADING CHART
SIZES 72-114**



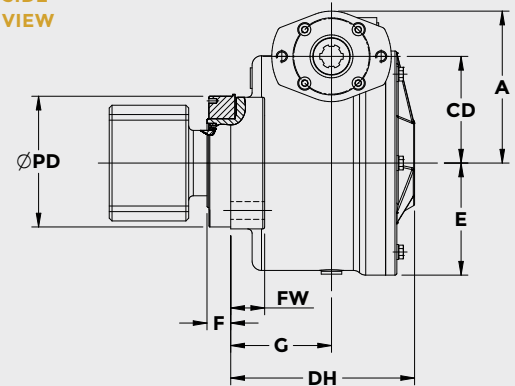
SAE 6B SPLINE OPTION



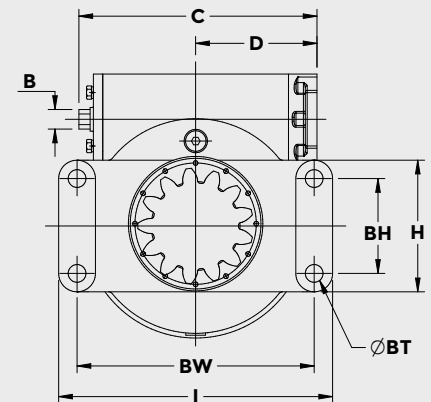
KEYED SHAFT OPTION



SIDE VIEW



TOP VIEW



INPUT TABLE

	ϕSD (mm)	ϕSD (in)	KW (mm)	KW (in)
ALL SIZES	12	0.47	4	0.16
	14	0.55	5	0.20
	16	0.63	5	0.20
	20	0.79	6	0.24
	25	0.98	8	0.31
	25.4	1.00	6.35	0.25

R SERIES RATINGS

Size	Output Torque (kNm/ft-lbf)	Gear Ratio	Weight (kg/lbs)
72	0.9	30	23
	665		51
110	1.6	39	38
	1,181		84
114	2.8	44	52
	2,083		115

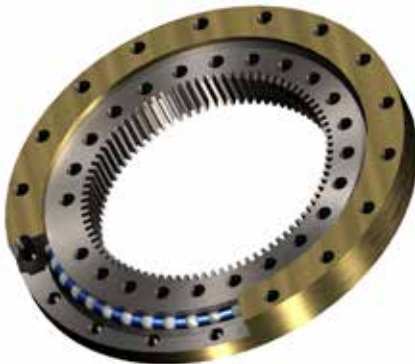
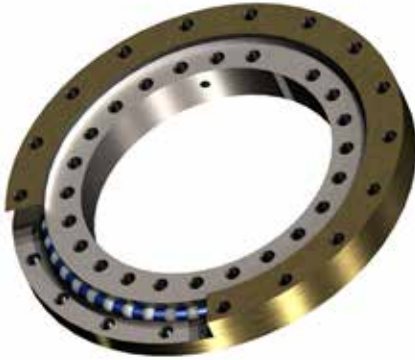
R SERIES DIMENSIONS

Size	72 (mm)	72 (in)	110 (mm)	110 (in)	114 (mm)	114 (in)
CD	72.3	2.84	110.7	4.36	114.3	4.50
ØPD	101.6	4.00	101.6	4.00	95.2	3.75
BH	65.0	2.56	82.5	3.25	101.6	4.00
BW	190.5	7.50	232.0	9.13	254.0	10.00
DH	123.4	4.86	144.5	5.69	197.0	7.75
ØBT	4 X 16	4 X 0.63	4 X 16.7	4 X 0.66	4 X 19.0	4 X 0.75
FW	25.4	1.00	22.5	0.89	36.32	1.43
A	136.3	5.36	174.7	6.88	162.8	6.41
B	21.0	0.83	21	0.83	21	0.83
C	236.0	9.29	226.0	8.90	255.0	10.04
D	120.5	4.74	115.5	4.55	130.0	5.12
E	74.1	2.92	113.0	4.45	120.0	4.72
F	26.6	1.05	37.5	1.48	25.4	1.00
G	65.4	2.57	67.5	2.66	108.0	4.25
H	95.0	3.74	112.5	4.43	141.0	5.55
I	218.5	8.60	262.0	10.31	293.4	11.55
ØSD	See 'Input Table'					
KW	See 'Input Table'					

SLEWING RINGS

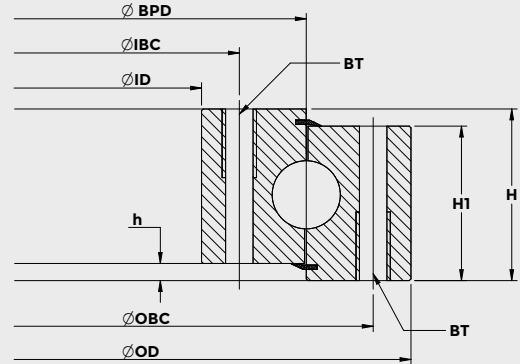
Versatile bearing solutions featuring external, internal, and absent teeth options equipped to suit every slewing application.

- ▶ Several material options with design flexibility and customization options
- ▶ 4-point contact bearings
- ▶ 28 distinct sizes, up to 39" bearing diameter
- ▶ Standard sealing and grease fill

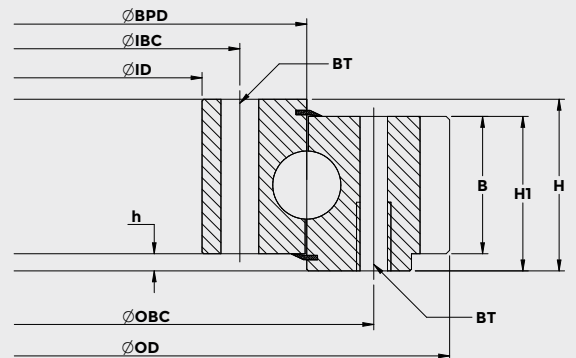


CUSTOM & COMPETITIVE CROSS OVERS AVAILABLE

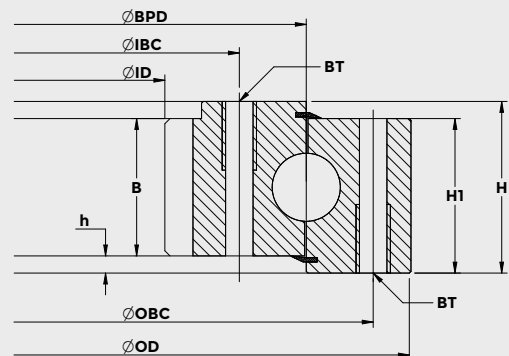
NO TEETH



INNER TEETH



OUTER TEETH

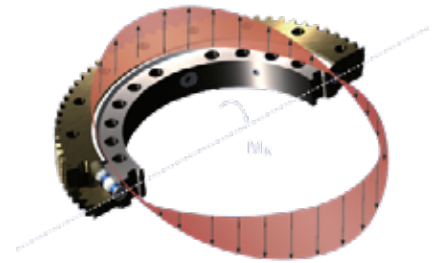


SLEWING RING SIZE & GEAR PARAMETERS

SI No.	Part No. (No Teeth)	Part No. (Outer Teeth)	Part No. (Inner Teeth)	BPD (in)	OD (in)	ID (in)	H (in)	OBC (in)	IBC (in)	Bolt No. (per Race)	BT	D1 (in)	H1 (in)	H (in)	B (in)	Deflec- tion (x)	MOD (x)	Teeth No. (Z)							
1	010.20.200	011.20.200	013.20.200	7.87	11.02	4.72	2.36	9.76	5.98	12	16 mm thru - M14	7.83	1.97	0.39	1.57	-	3	98							
2	010.20.224	011.20.224	013.20.224	8.82	11.97	5.67		10.71	6.93	18		8.78					105								
3	010.20.250	011.20.250	013.20.250	9.84	12.99	6.69		11.73	7.95			9.80					4	86							
4	010.22.280	011.22.280	013.22.280	11.02	14.17	7.87		12.91	9.13			10.98						94							
5	010.25.315	011.25.315	013.25.315	12.40	16.06	8.74	2.76	14.65	10.16	20	18 mm thru - M16	12.36	2.36	1.97	1.97	-	5	85							
6	010.25.355	011.25.355	013.25.355	13.98	17.64	10.31		16.22	11.73	13.94		24					15.71	93							
7	010.25.400	011.25.400	13.20.400	15.75	19.41	12.09		17.99	13.50	17.68							6	86							
8	010.25.450	011.25.450	013.25.450	17.72	21.38	14.06		19.96	15.47	17.68								94							
9	010.30.500	011.30.500	013.30.500	19.69	23.70	15.67	3.15	22.28	17.09	20	18 mm thru - M16	19.61	2.76	0.39	2.36	0.5	5	123							
10		012.30.500	014.30.500									6					102								
11	010.25.500	011.25.500	013.25.500									19.65					5	123							
12		012.25.500	014.25.500														6	102							
13	010.30.560	011.30.560	013.30.560	22.05	26.06	18.03		24.65	19.45	20		21.97					2.76	0.39	2.36	0.5	5	135			
14		012.30.560	014.30.560									6									112				
15	010.25.560	011.25.560	013.25.560							22.01											5	135			
16		012.25.560	014.25.560																		6	112			
17	010.30.630	011.30.630	013.30.630	24.80	28.82	20.79		27.40	22.20	24		24.72	2.76	0.39	2.36	0.5	6	126							
18		012.30.630	014.30.630									8					94								
19	010.25.630	011.25.630	013.25.630							24.76							6	126							
20		012.25.630	014.25.630														8	94							
21	010.30.710	011.30.710	013.30.710	27.95	31.97	23.94		30.55	25.35	24		27.87					2.76	0.39	2.36	0.5	6	139			
22		012.30.710	014.30.710									8									104				
23	010.25.710	011.25.710	013.25.710							27.91											6	139			
24		012.25.710	014.25.710																		8	104			
25	010.40.800	011.40.800	013.40.800	31.50	36.30	26.69	3.94	34.57	28.43	30	22 mm thru - M20	31.42	3.54	-	3.15	-	8	118							
26		012.40.800	014.40.800														10	94							
27	010.30.800	011.30.800	013.30.800														8	118							
28		012.30.800	014.30.800														10	94							

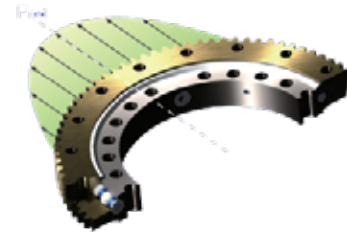
TILTING MOMENT

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



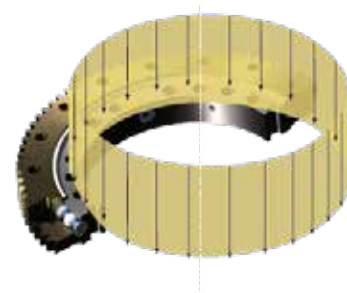
RADIAL LOAD

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.

GLOBAL LOCATIONS

NORTH AMERICA | EUROPE | ASIA

