

CORESUN DRIVE

科森传动设备常州有限公司

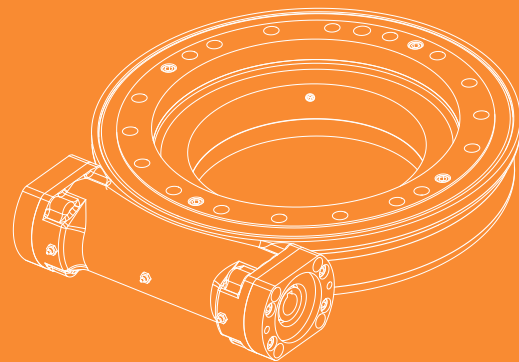


责任

Responsibility

感恩

Thanksgiving



您的满意是我们永恒的追求
Your Satisfaction Is our Eternal Pursuit

COMPANY PROFILE

企业简介

科森—实用型回转驱动、回转支承提倡者

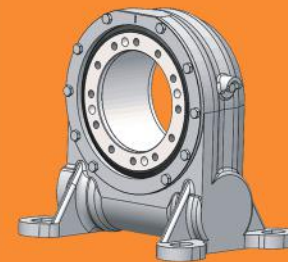
我们致力于研究、开发、应用高质量、精密型传动设备产品。为平单轴、双轴光伏跟踪，槽式、蝶式、聚光系统提供可靠的机械执行部件保障。以专业的产品满足高空作业车、随车吊、抓木机、掘进机、喷雾设备、液压模块车、自动化流水线、风力偏航系统等平稳运行的需要。

科森不仅是您可靠的供应商，更是您真诚的合作伙伴！

CoreSun - Practical Slewing Drive&Slewing Bearing Promoter.

We are committed to researching, developing and applying high quality, precision transmission equipment products,who provides reliable mechanical actuator for horizontal single axis, dual-axis photovoltaic tracking system, CSP,CPV solar tracking design.Our professional and high-quality products will be also applied well as a steady solution on aerial working platform, truck crane, timber grab, drilling rig, spray equipment, hydraulic module vehicle,automated assembly lines, wind yaw systems,etc.

CoreSun is your reliable supplier,even more your sincere partner!



为客户提供

经济实用的传动方案

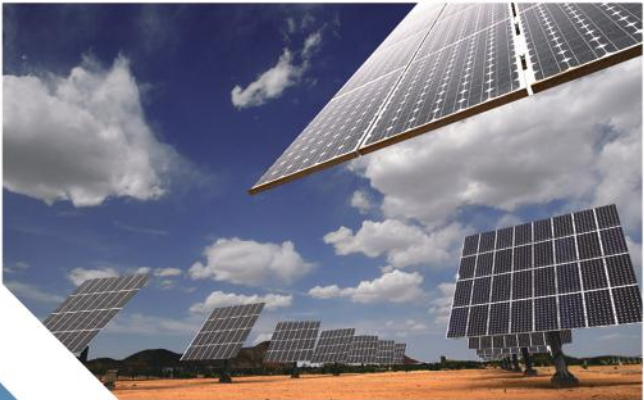
Providing the **cost-effective**
and **practical** transmission
solutions



产品应用 / Product Application



斜单轴跟踪
Inclined Single Axis Solar Tracker System



双轴PV跟踪
Dual Axis Solar Tracker System



平单轴跟踪 Horizontal Single Axis Solar Tracker



双轴CPV跟踪
Dual Axis CPV Solar Tracker



塔式聚光系统
Solar Tower CPV System



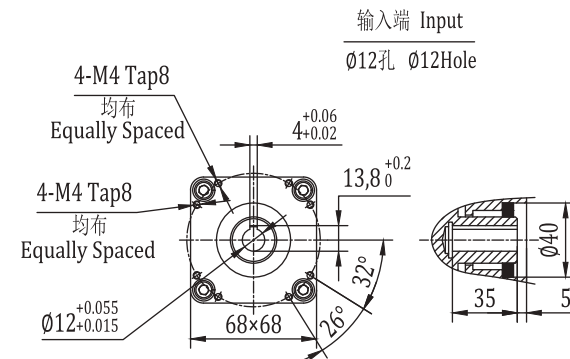
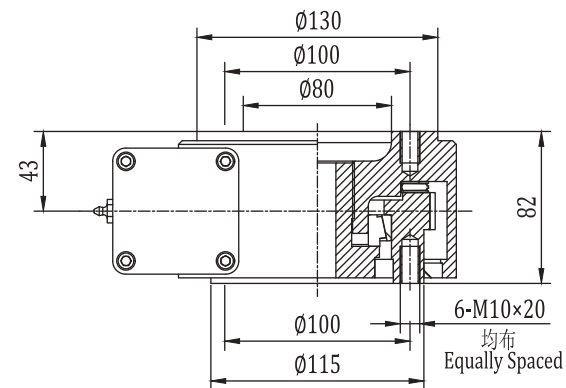
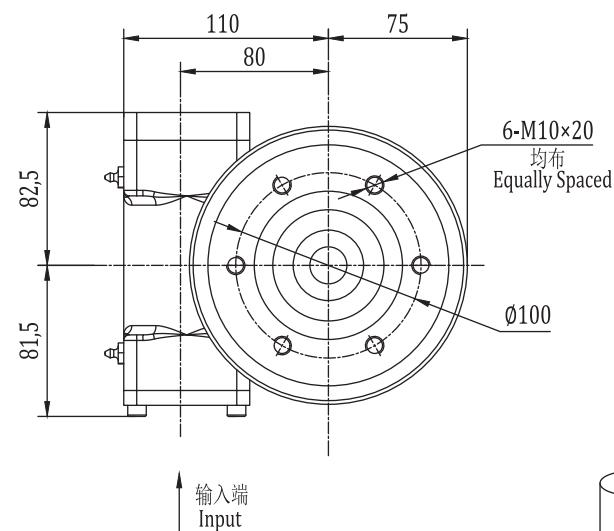
槽式集热系统
Parabolic Heat Collecting System



碟式CSP系统
Solar Dish Tracker System



风涡轮系统
Wind Turbine System

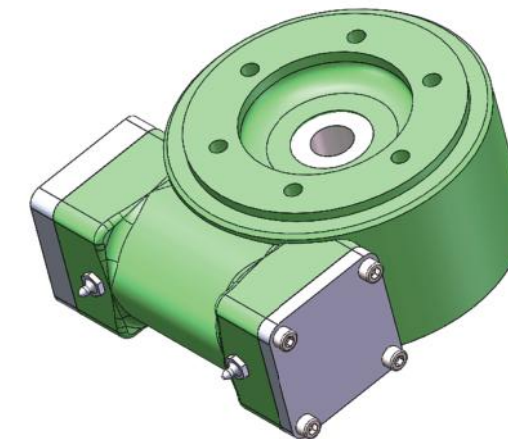
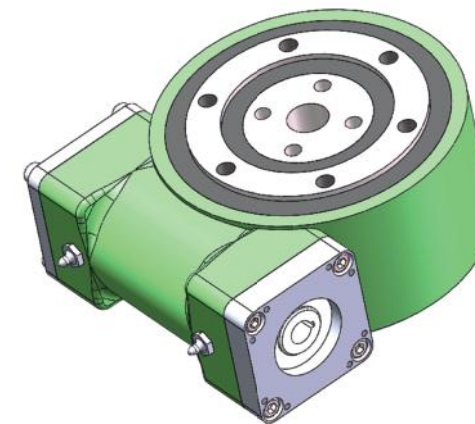


单位 Units: mm
1 inch=25.4mm



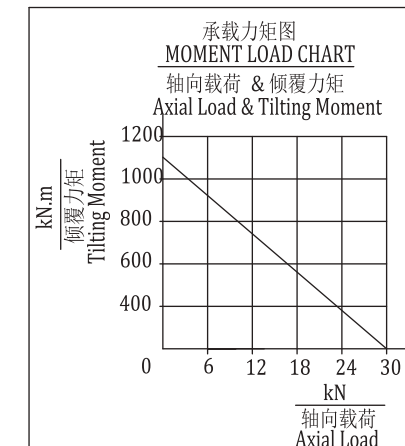
SC3

回转驱动 Slewing Drive

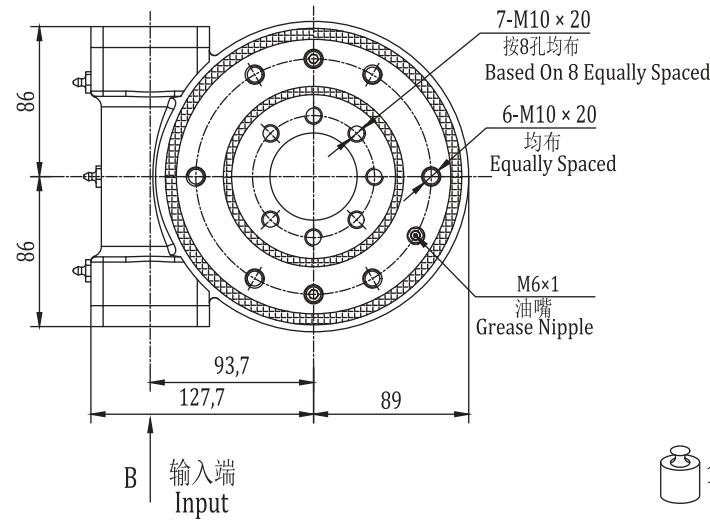


SC3 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	62:1	
最大输出转矩	Output Torque (max.)	1.2 kN.m	0.89×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	1.1 kN.m	0.81×10 ³ lbf.ft
保持力矩	Holding Torque	2.2 kN.m	1.6×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	30 kN	6.7×10 ³ lbf
径向静载荷	Static Radial Load Rating	15 kN	3.3×10 ³ lbf
机械效率	Mechanical Efficiency	30%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

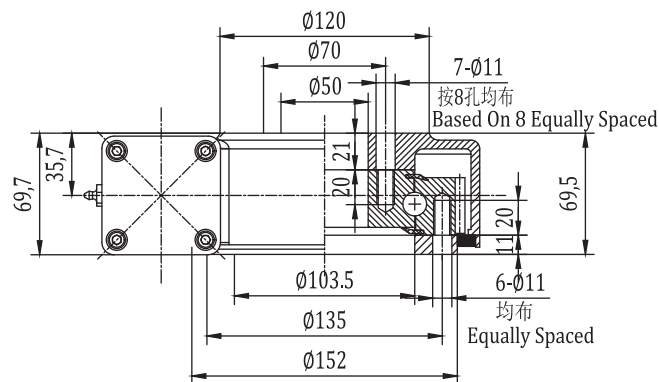
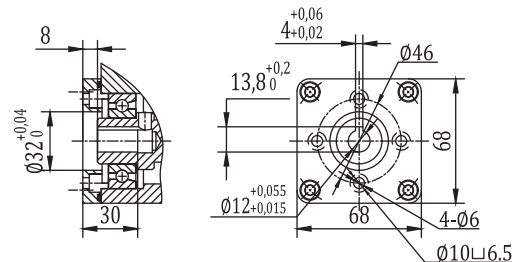


单位 Units: mm
1 inch=25.4mm



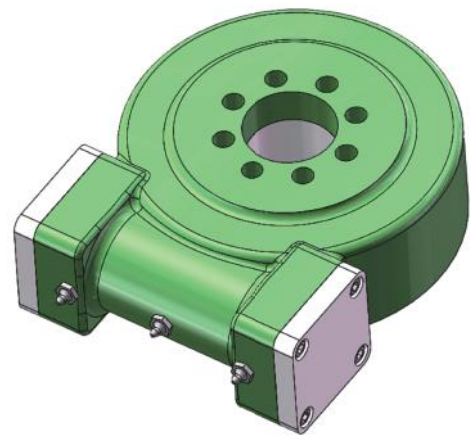
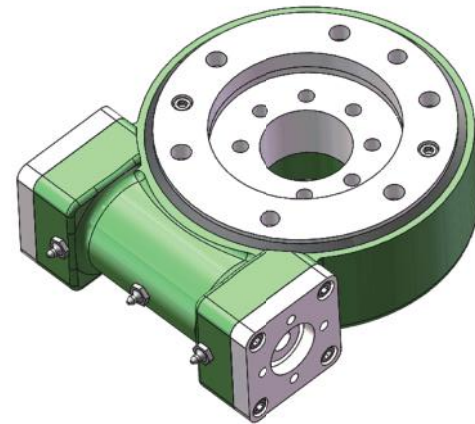
18 kg

输入端 Input
Ø12孔 (Ø12 hole)



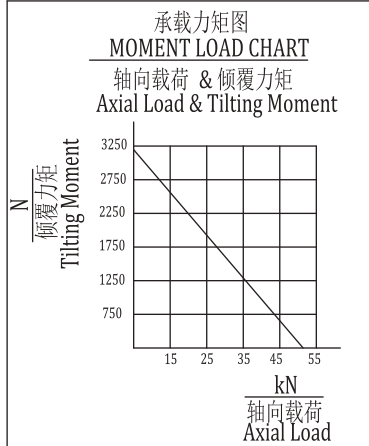
SC5

回转驱动 Slewing Drive

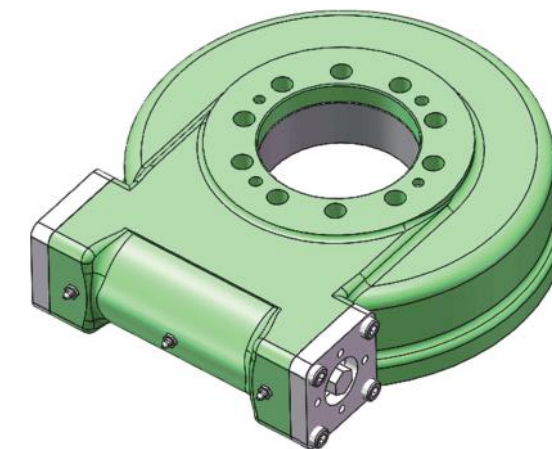
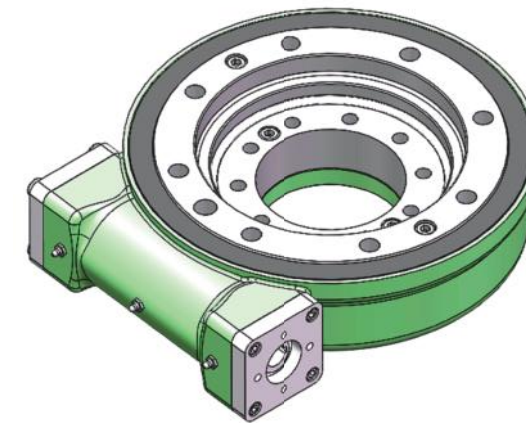
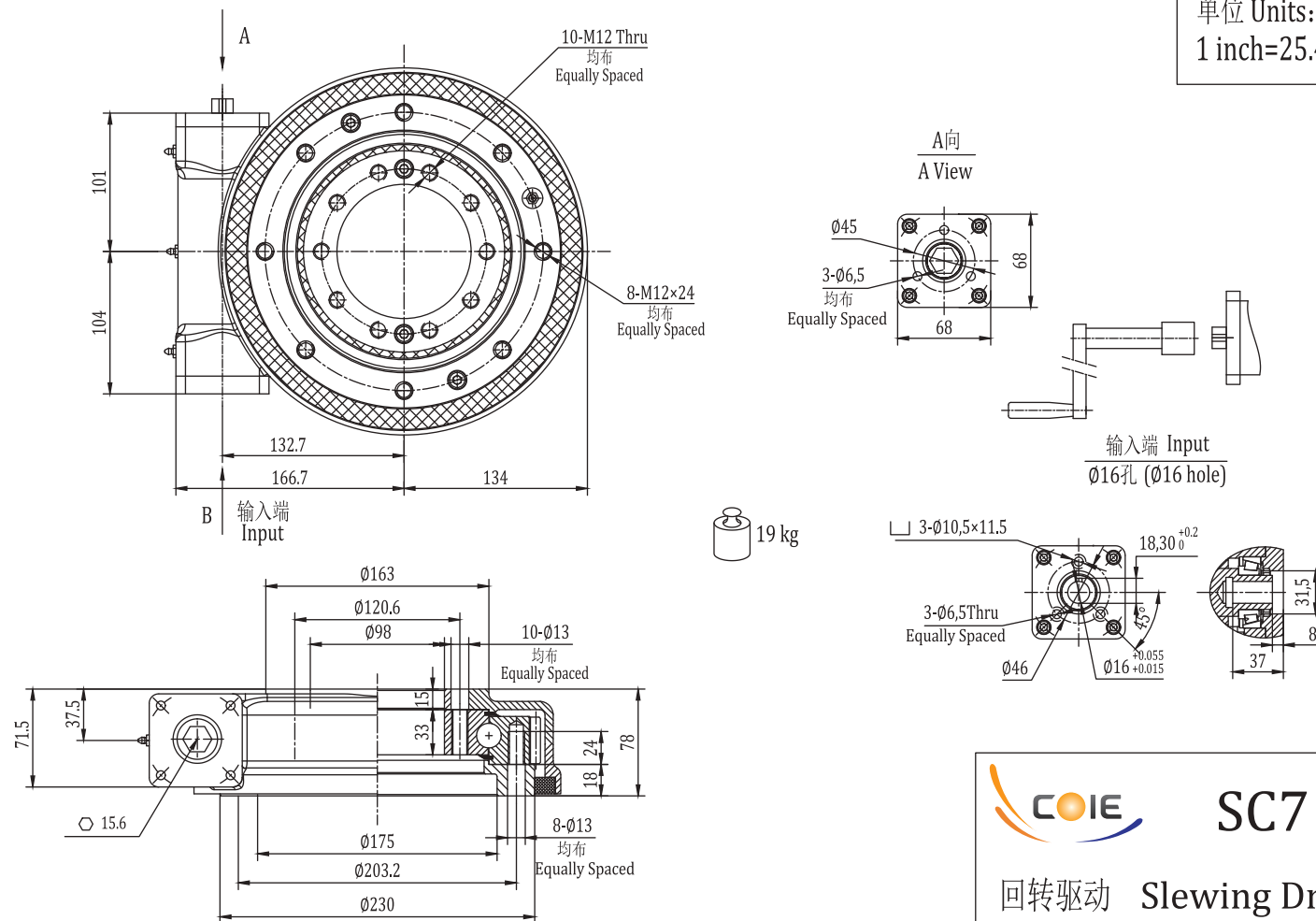


SC5 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	71:1	
最大输出转矩	Output Torque (max.)	2200 N.m	1624 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	3160 N.m	2322 lbf.ft
保持力矩	Holding Torque	5450 N.m	4022 lbf.ft
轴向静载荷	Static Axial Load Rating	52 kN	11700 lbf
径向静载荷	Static Radial Load Rating	28 kN	6300 lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁 Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

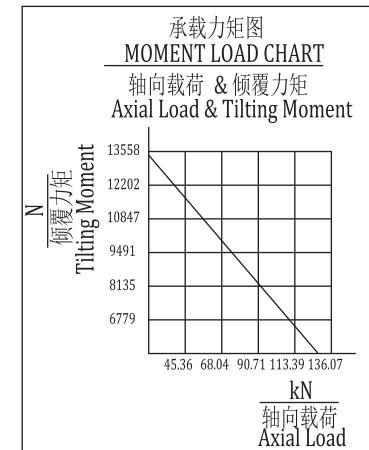


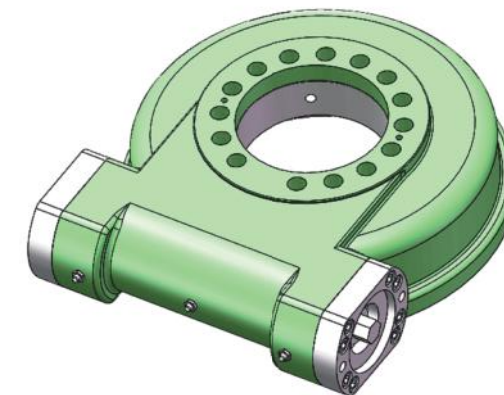
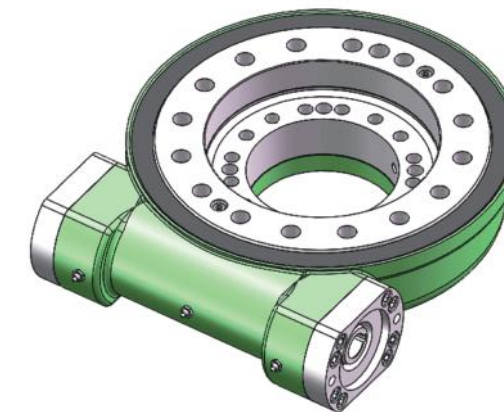
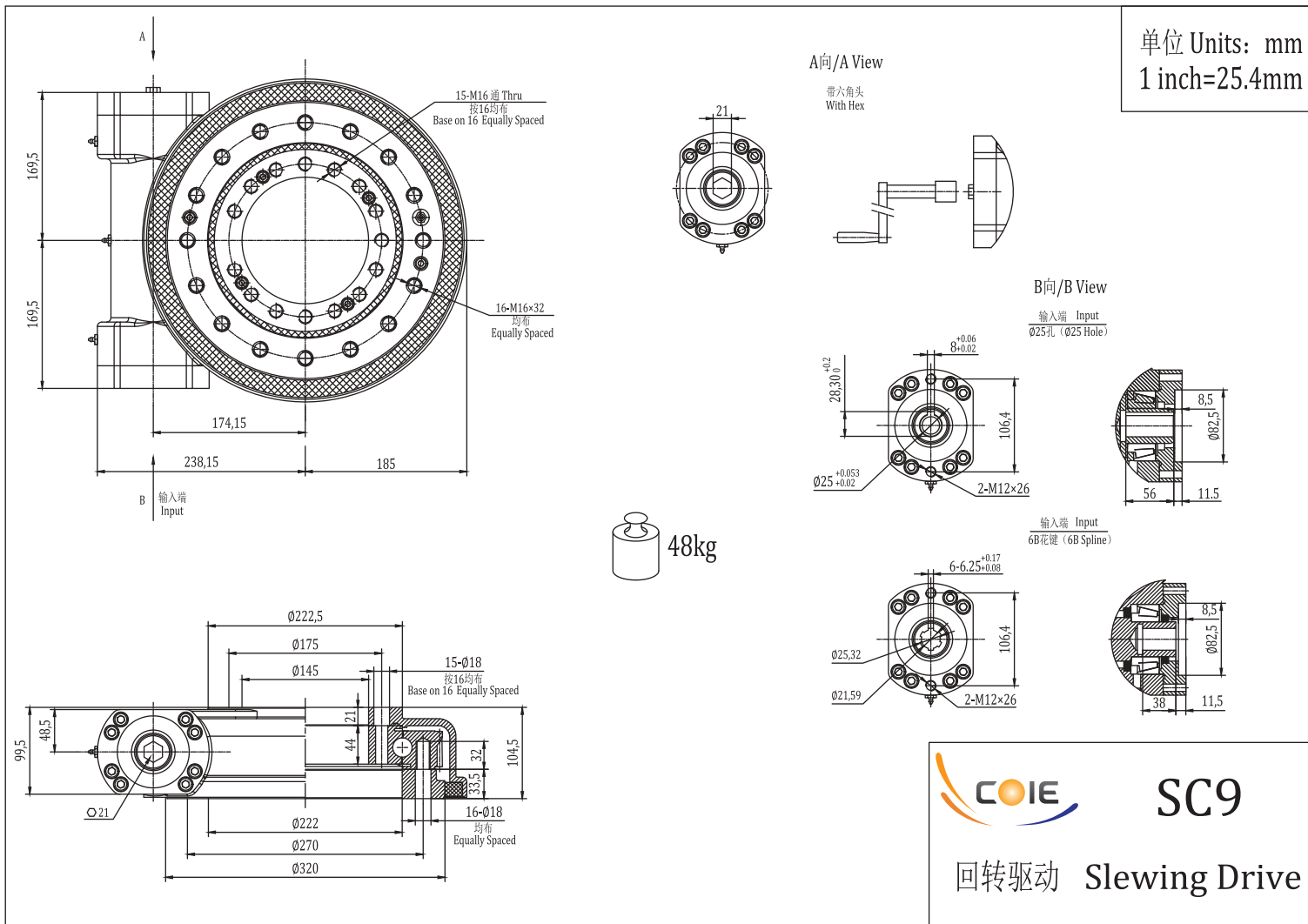
单位 Units: mm
1 inch=25.4mm



SC7 回转驱动性能参数 Slewing Drive Performance Parameters

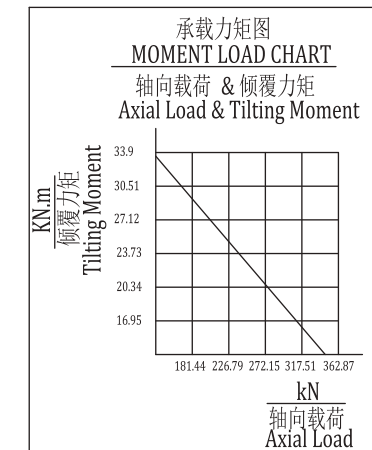
减速比	Gear Ratio	71:1	
最大输出转矩	Output Torque (max.)	3.5 kN.m	2.58×10^3 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	13.5 kN.m	9.96×10^3 lbf.ft
保持力矩	Holding Torque	10.4 kN.m	7.67×10^3 lbf.ft
轴向静载荷	Static Axial Load Rating	133 kN	30×10^3 lbf
径向静载荷	Static Radial Load Rating	53 kN	11.9×10^3 lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁 Reliable static self-locking	
精度	Precision	$\leq 0.2^\circ$	
防护等级	IP Class	IP65	

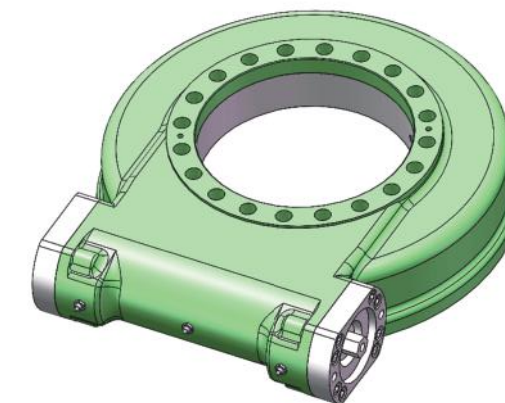
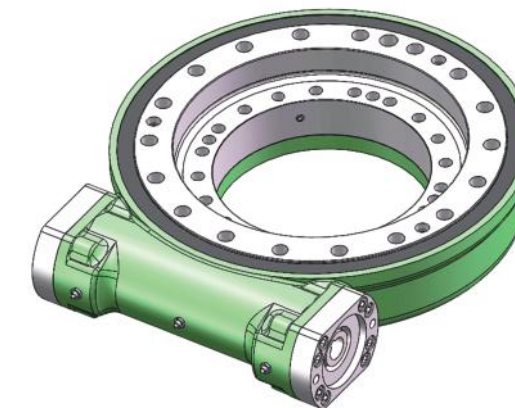
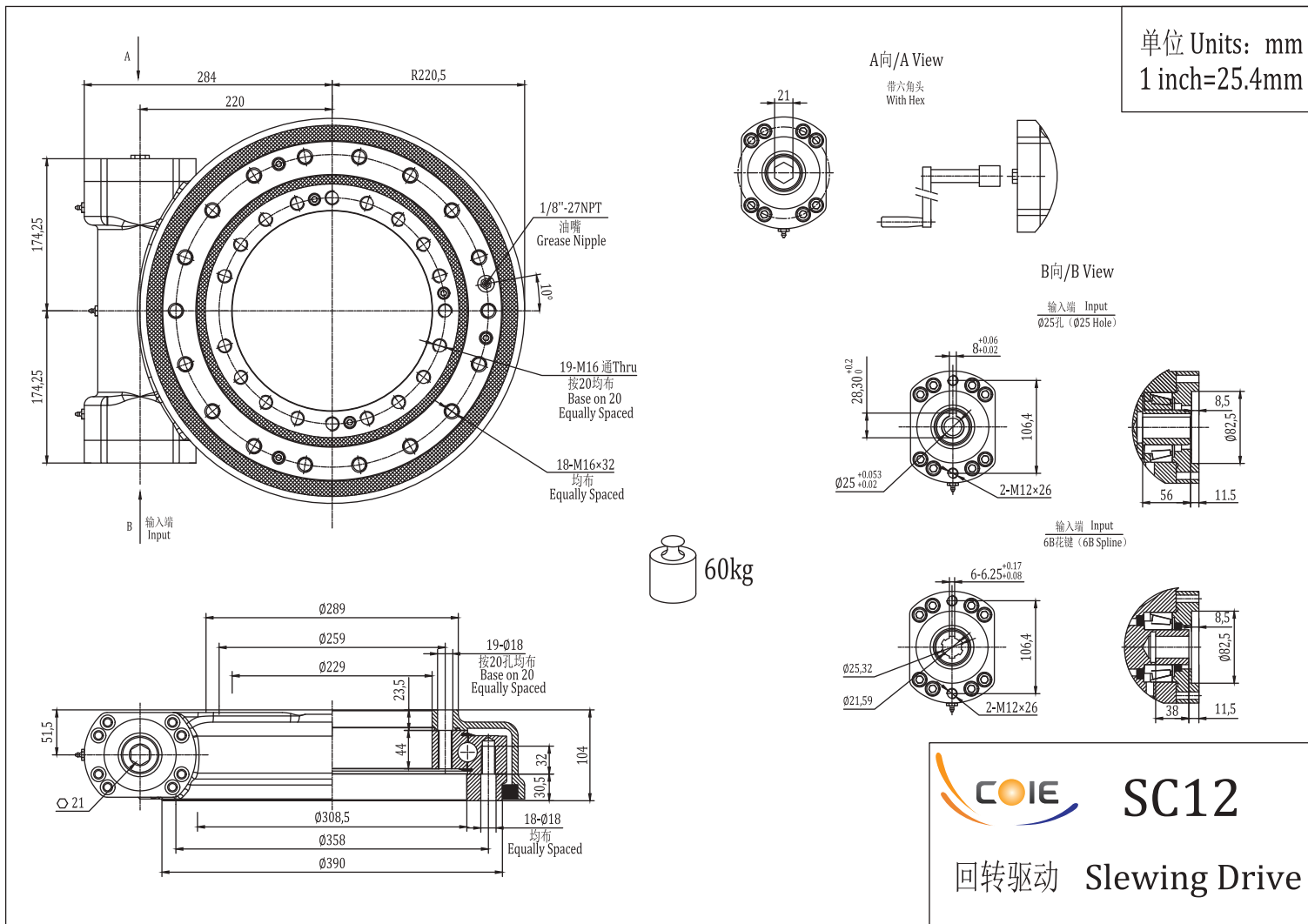




SC9 回转驱动性能参数 Slewing Drive Performance Parameters

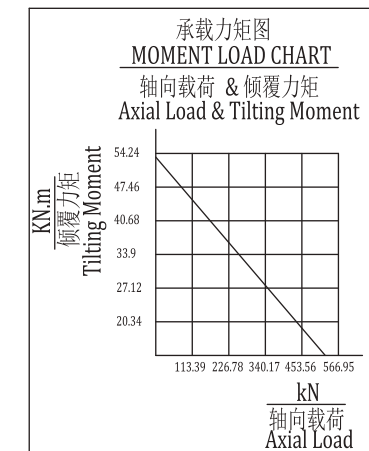
减速比	Gear Ratio	61:1	
最大输出转矩	Output Torque (max.)	12.2 kN.m	9.0×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	33.9 kN.m	25×10 ³ lbf.ft
保持力矩	Holding Torque	38.7 kN.m	28.5×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	338 kN	20.3×10 ³ lbf
径向静载荷	Static Radial Load Rating	135 kN	15.9×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

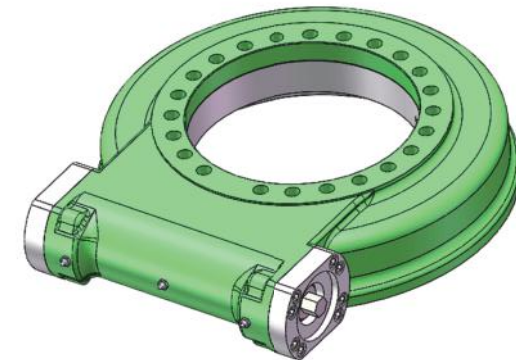
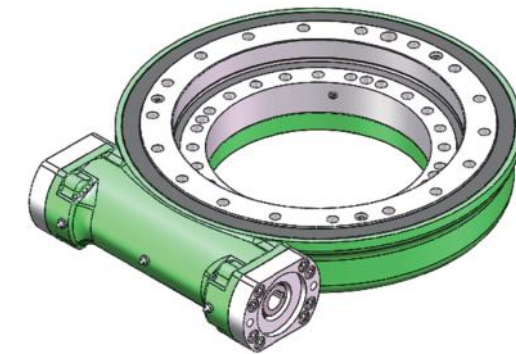
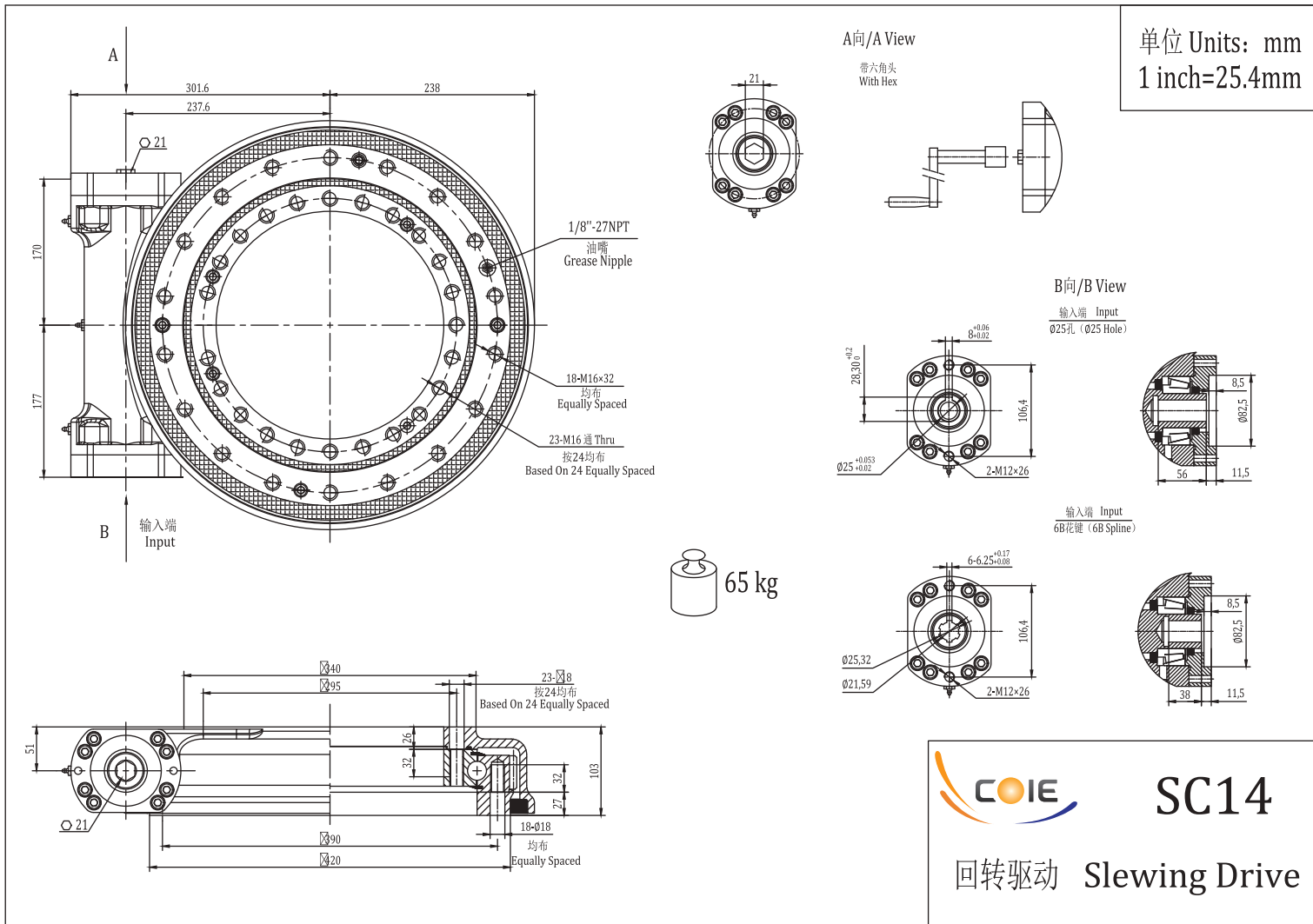




SC12 回转驱动性能参数 Slewing Drive Performance Parameters

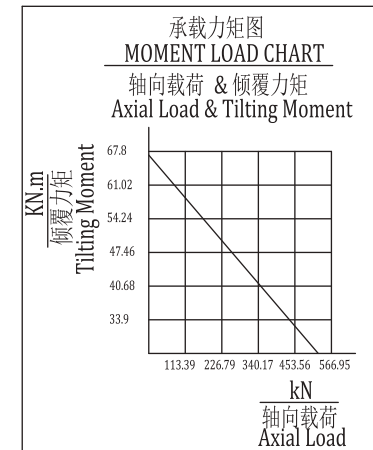
减速比	Gear Ratio	78:1	
最大输出转矩	Output Torque (max.)	15.6 kN.m	11.5×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	54.3 kN.m	40×10 ³ lbf.ft
保持力矩	Holding Torque	43 kN.m	31.7×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	475 kN	106.8×10 ³ lbf
径向静载荷	Static Radial Load Rating	190 kN	42.7×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	



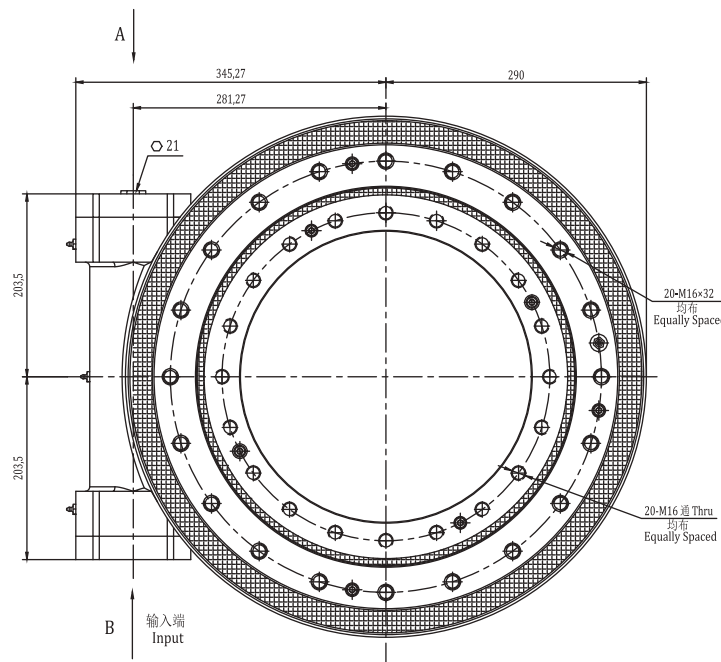


SC14 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	85:1	
最大输出转矩	Output Torque (max.)	17 kN.m	12.5×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	67.8 kN.m	50×10 ³ lbf.ft
保持力矩	Holding Torque	48 kN.m	42×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	555 kN	124.9×10 ³ lbf
径向静载荷	Static Radial Load Rating	222 kN	49.9×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	



单位 Units: mm
1 inch=25.4mm



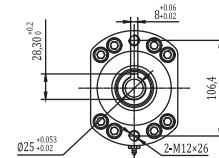
A向/A View

带六角头
With Hex

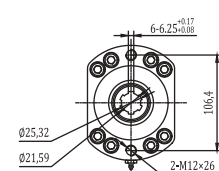


B向/B View

输入端 Input
Ø25孔 (Ø25 Hole)



输入端 Input
6B花键 (6B Spline)

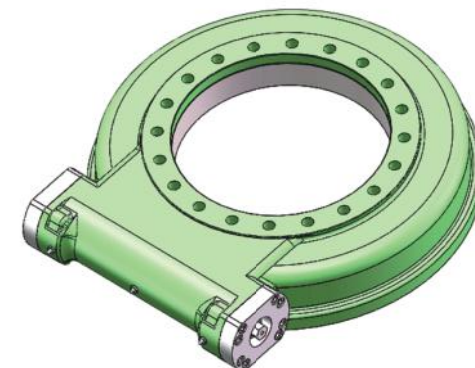
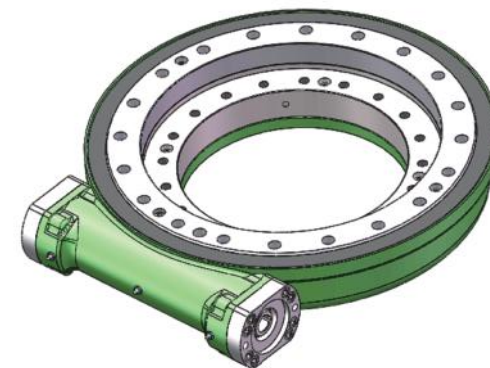


98 kg



SC17

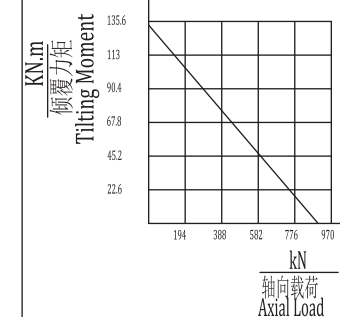
回转驱动 Slewing Drive

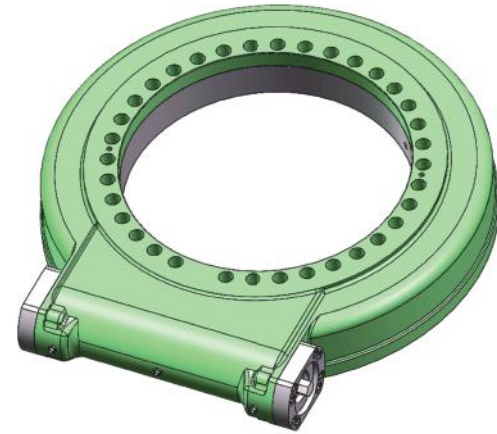
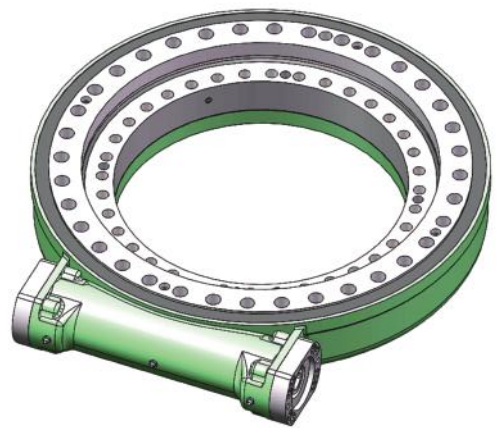
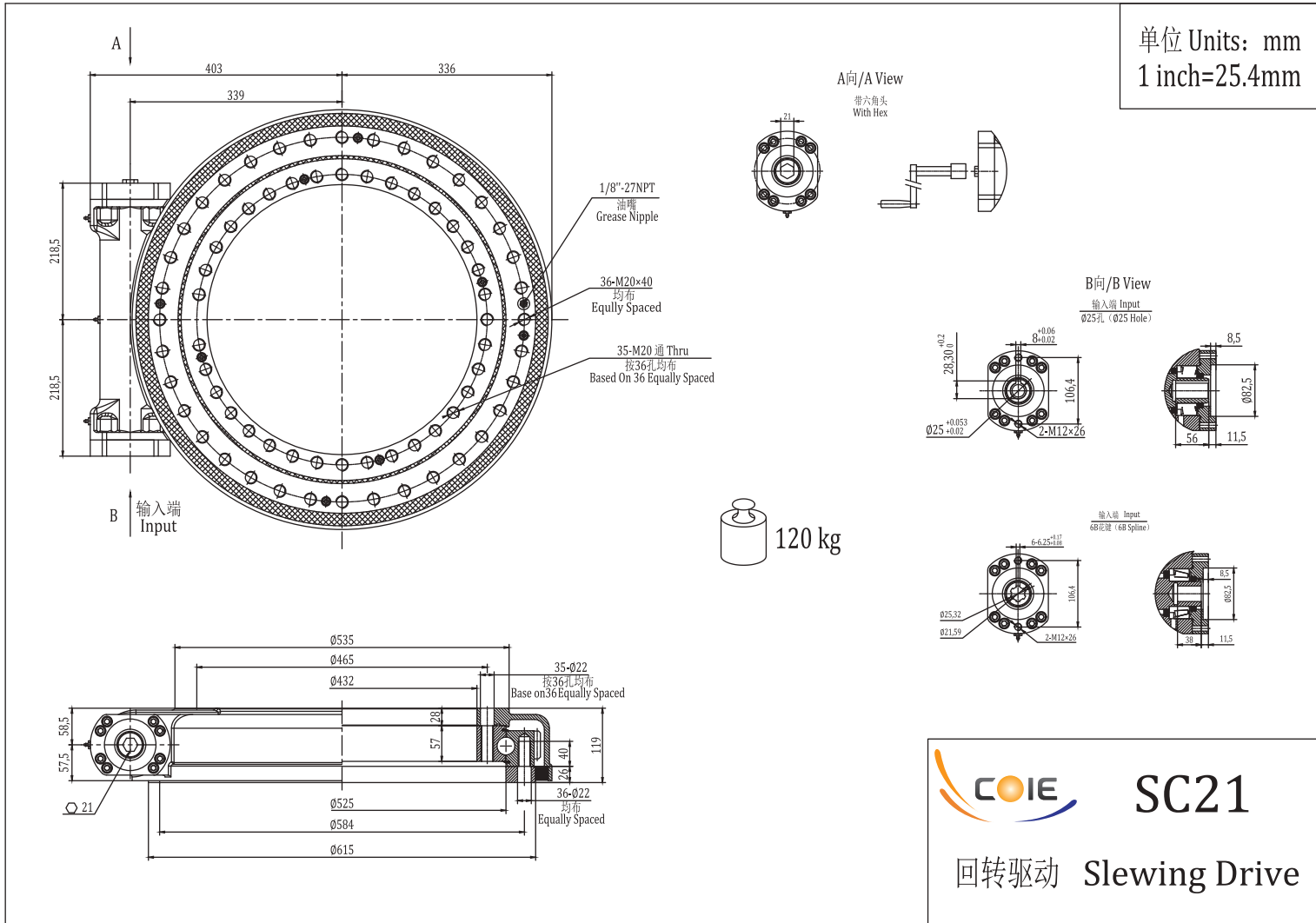


SC17 回转驱动性能参数 Slewing Drive Performance Parameters

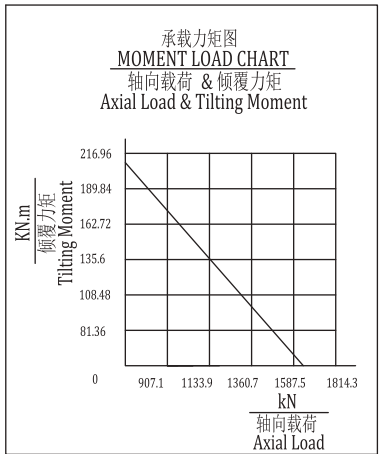
减速比	Gear Ratio	102:1	
最大输出转矩	Output Torque (max.)	20.4 kN.m	15.1×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	135.6 kN.m	100×10 ³ lbf.ft
保持力矩	Holding Torque	72.3 kN.m	53×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	970 kN	218×10 ³ lbf
径向静载荷	Static Radial Load Rating	390 kN	88×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁 Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

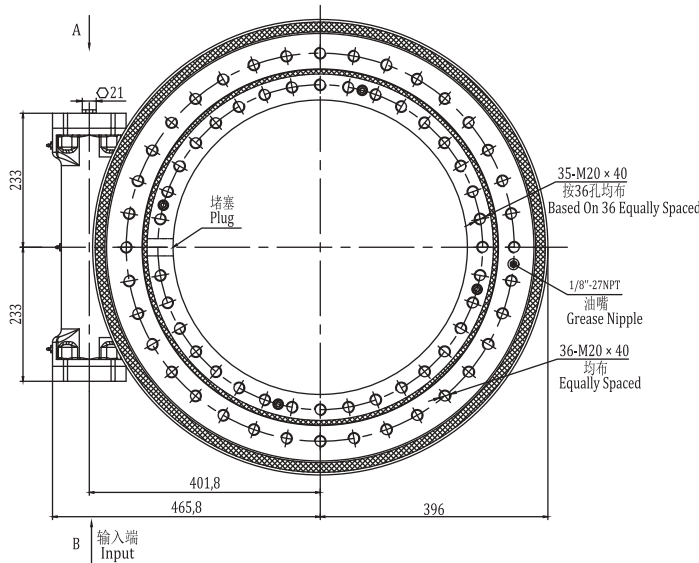
承载力矩图
MOMENT LOAD CHART
轴向载荷 & 倾覆力矩
Axial Load & Tilting Moment





SC21 回转驱动性能参数 Slewing Drive Performance Parameters			
减速比	Gear Ratio	125:1	
最大输出转矩	Output Torque (max.)	25 kN.m	18.5×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	203 kN.m	149.7×10 ³ lbf.ft
保持力矩	Holding Torque	105.8 kN.m	78×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	1598 kN	359.6×10 ³ lbf
径向静载荷	Static Radial Load Rating	640 kN	144×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

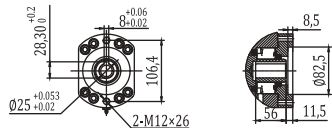




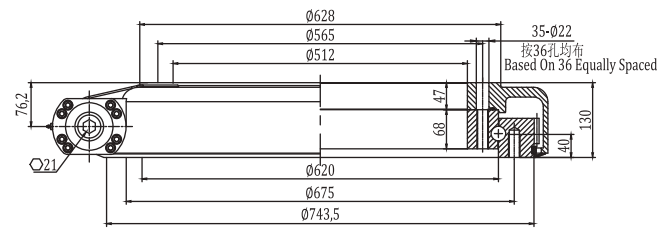
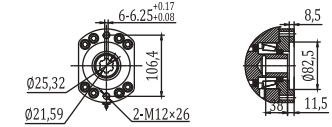
A向/A View
带六角头
With Hex



B向/B View
输入端 Input
Ø25孔 (Ø25 Hole)



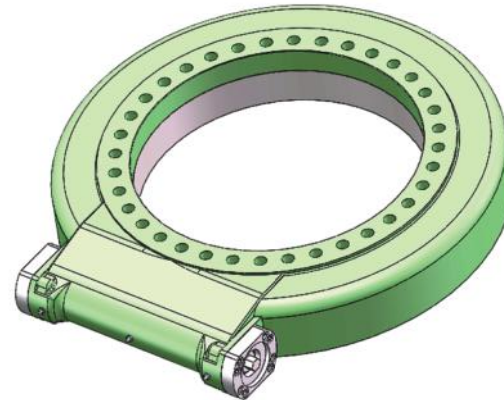
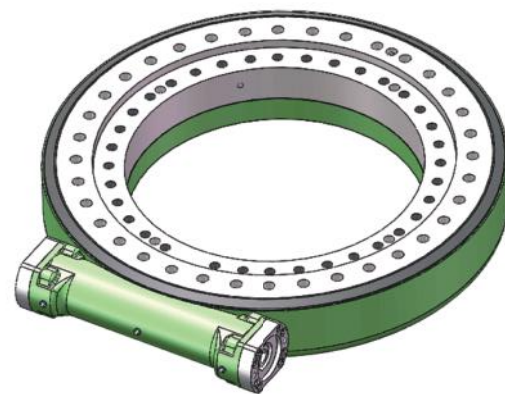
输入端 Input
6B花键 (6B Spline)



SC25

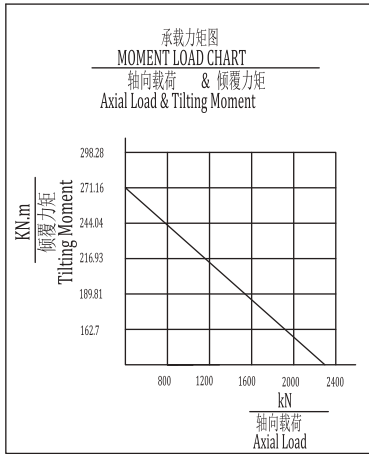
回转驱动 Slewing Drive

单位 Units: mm
1 inch=25.4mm



SC25 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	150:1	
最大输出转矩	Output Torque (max.)	30 kN.m	22.1×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	203 kN.m	199.9×10 ³ lbf.ft
保持力矩	Holding Torque	158.3 kN.m	116.8×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	2360 kN	531×10 ³ lbf
径向静载荷	Static Radial Load Rating	945 kN	212.6×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁 Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	





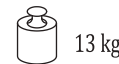
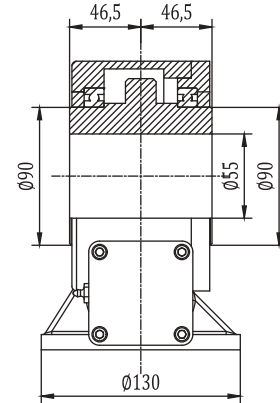
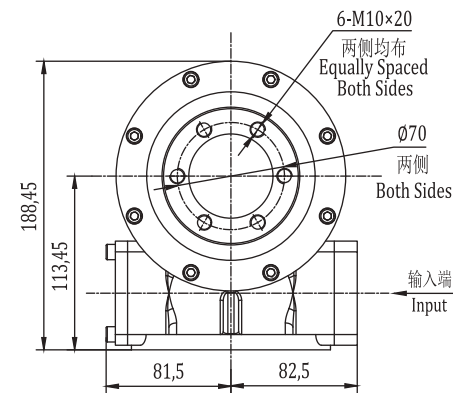
承载力矩图

MOMENT LOAD CHART

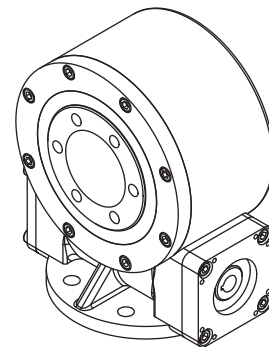
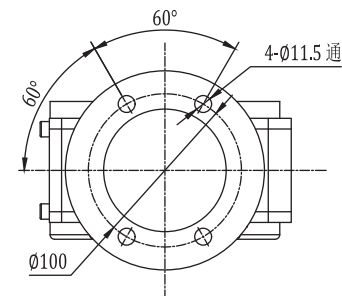
轴向载荷 & 倾覆力矩

Axial Load & Tilting Moment

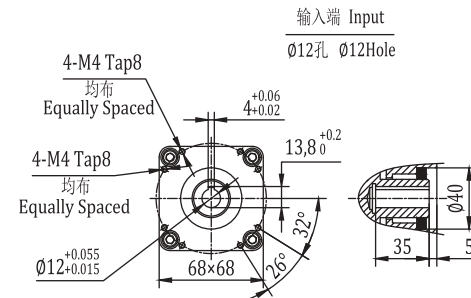
Axial Load (kN)	Tilting Moment (kN.m)
0	350
610	280
1220	210
1830	140
2440	70
3050	0



13 kg

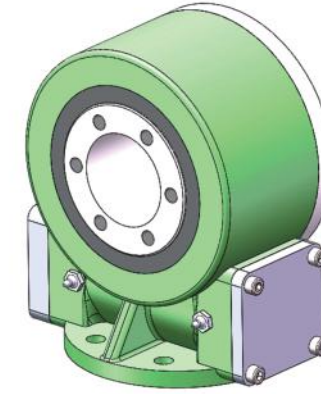
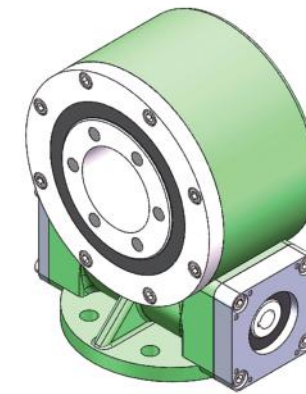


单位 Units: mm
1 inch=25.4mm



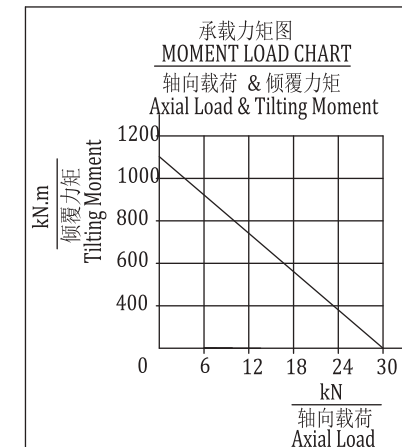
VH3

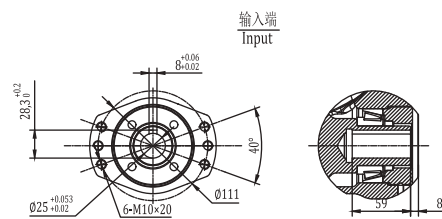
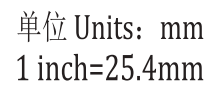
回转驱动 Slewing Drive



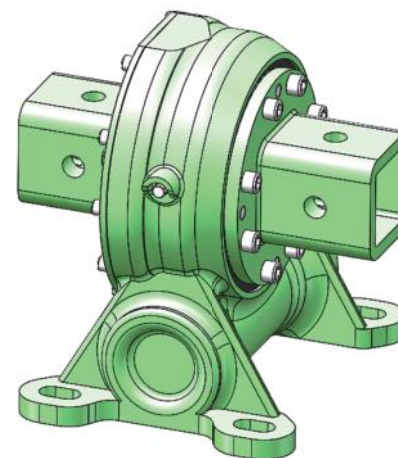
VH3 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	62:1	
最大输出转矩	Output Torque (max.)	1.2 kN.m	0.89×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	1.1 kN.m	0.81×10 ³ lbf.ft
保持力矩	Holding Torque	2.2 kN.m	1.6×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	30 kN	6.7×10 ³ lbf
径向静载荷	Static Radial Load Rating	15 kN	3.3×10 ³ lbf
机械效率	Mechanical Efficiency	30%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	





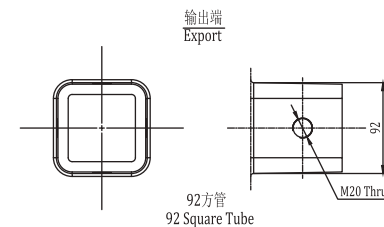
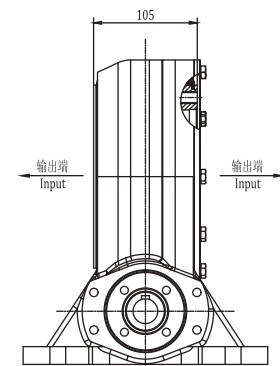
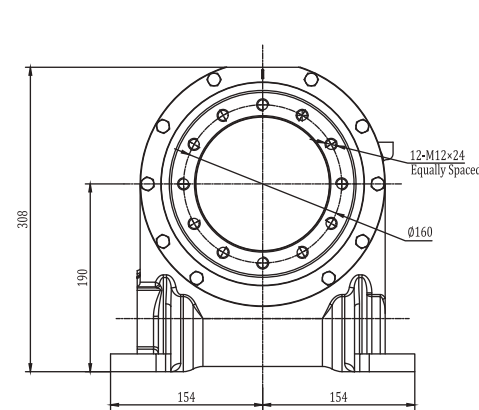
回转驱动 Slewing Drive



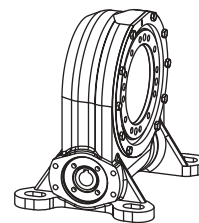
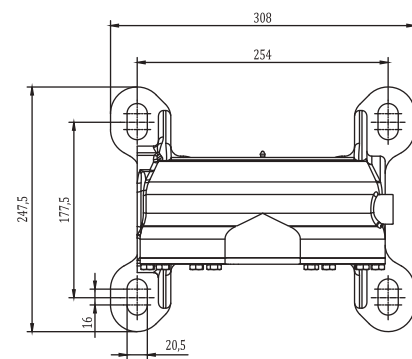
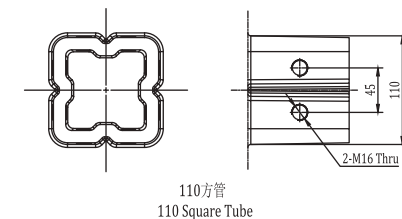
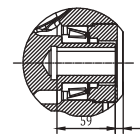
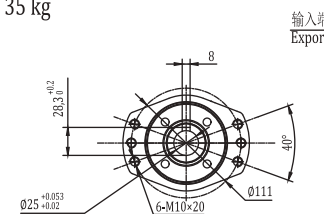
VH7 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	60:1	
最大输出转矩	Output Torque (max.)	10.5 kN.m	7.75×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	10 kN.m	7.38×10 ³ lbf.ft
保持力矩	Holding Torque	42 kN.m	31×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	100 kN	22.5×10 ³ lbf
径向静载荷	Static Radial Load Rating	65kN	14.6×10 ³ lbf
机械效率	Mechanical Efficiency	35%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
机械限位	Hard limit	±60°（可定制）Customized	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

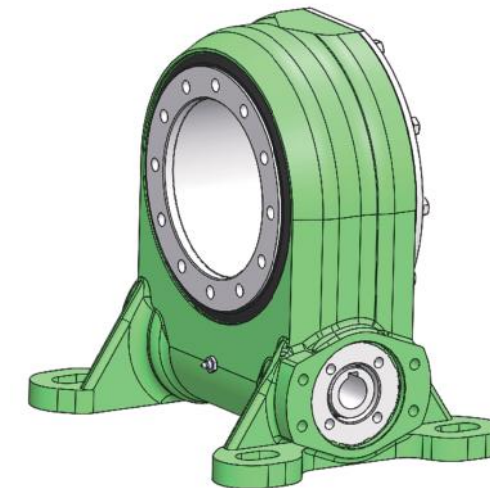
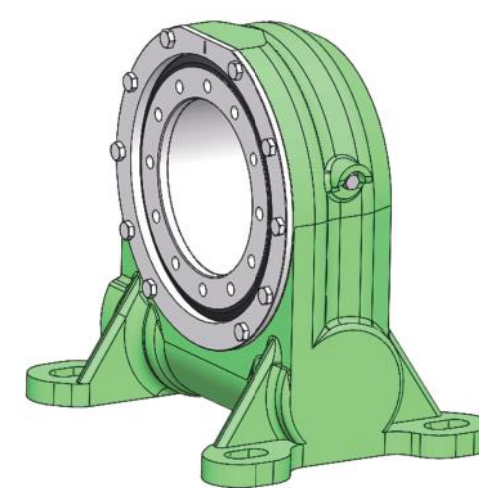
单位 Units: mm
1 inch=25.4mm



35 kg

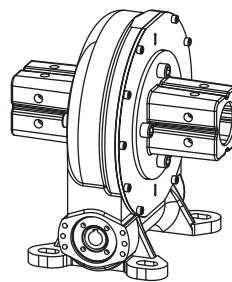
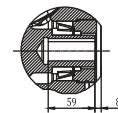
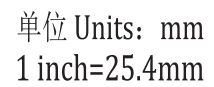


VH8
回转驱动 Slewing Drive



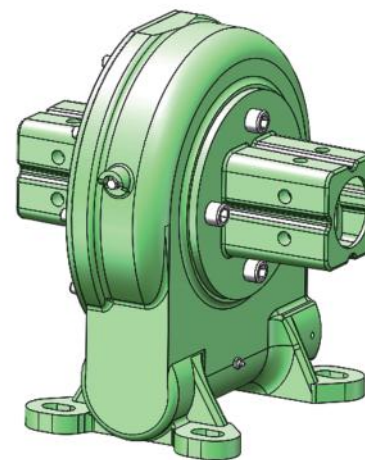
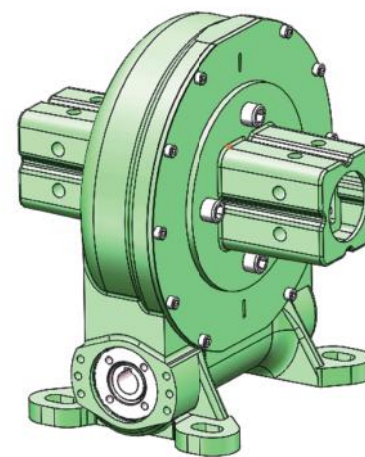
VH8 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	60:1	
最大输出转矩	Output Torque (max.)	12 kN.m	8.86×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	12 kN.m	8.86×10 ³ lbf.ft
保持力矩	Holding Torque	48 kN.m	35.4×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	120 kN	30.6×10 ³ lbf
径向静载荷	Static Radial Load Rating	80kN	18×10 ³ lbf
机械效率	Mechanical Efficiency	35%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
机械限位	Hard limit	±60° (可定制) Customized	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	



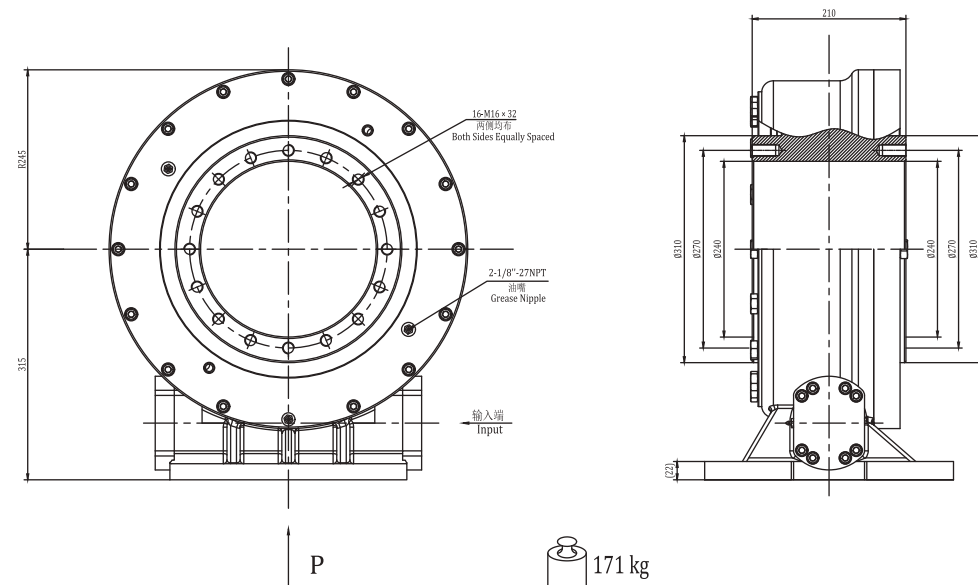
VH9

回转驱动 Slewing Drive

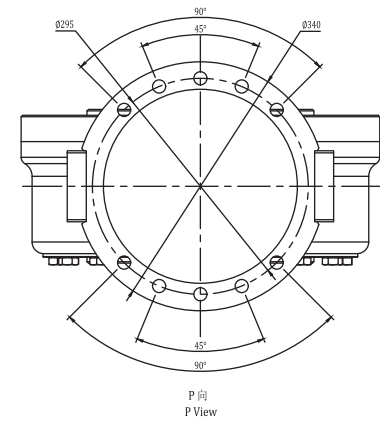
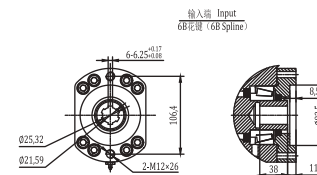
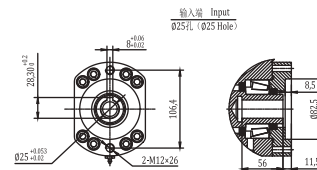


VH9 回转驱动性能参数 Slewing Drive Performance Parameters

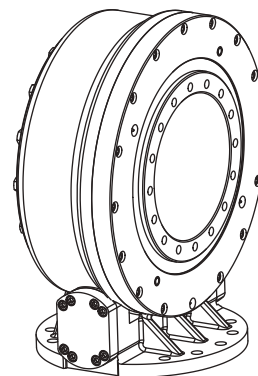
减速比	Gear Ratio	61:1	
最大输出转矩	Output Torque (max.)	12.2 kN.m	9.0×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	12 kN.m	8.9×10 ³ lbf.ft
保持力矩	Holding Torque	56 kN.m	41.3×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	338 kN	76.1×10 ³ lbf
径向静载荷	Static Radial Load Rating	120kN	27×10 ³ lbf
机械效率	Mechanical Efficiency	35%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
机械限位	Hard limit	±60° (可定制) Customized	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	



单位 Units: mm
1 inch=25.4mm

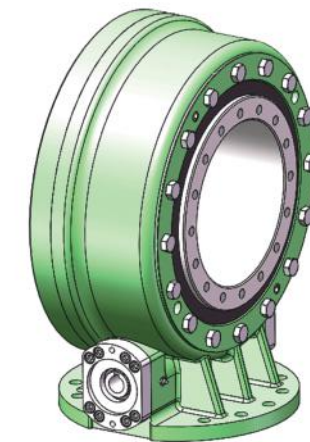
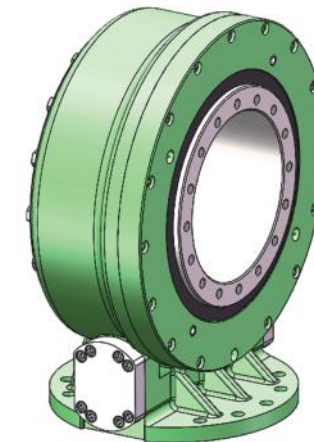


171 kg



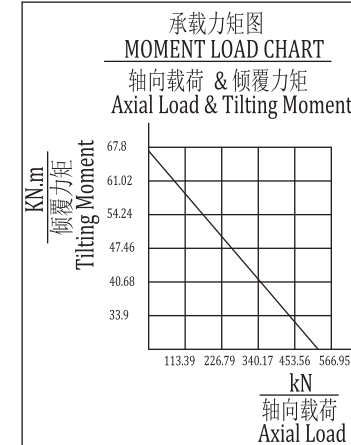
VH14

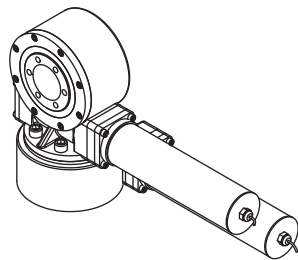
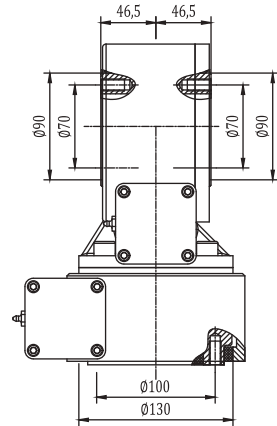
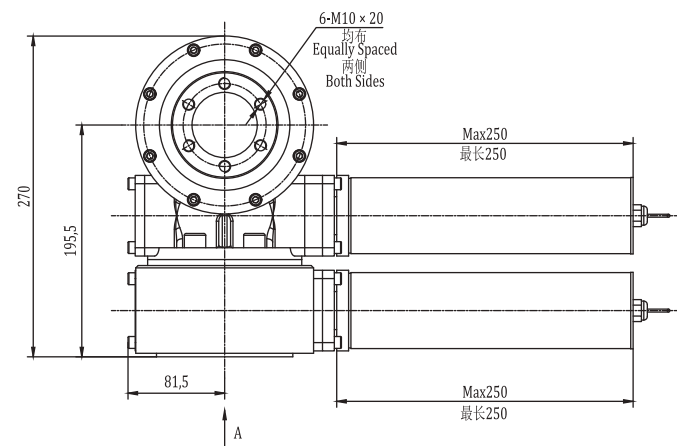
回转驱动 Slewing Drive



VH14 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	85:1	
最大输出转矩	Output Torque (max.)	20.4 kN.m	15.1×10 ³ lbf.ft
最大倾覆力矩	Tilting Moment (max.)	67.8 kN.m	50×10 ³ lbf.ft
保持力矩	Holding Torque	48 kN.m	35.4×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	555 kN	124.9×10 ³ lbf
径向静载荷	Static Radial Load Rating	222 kN	49.9×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

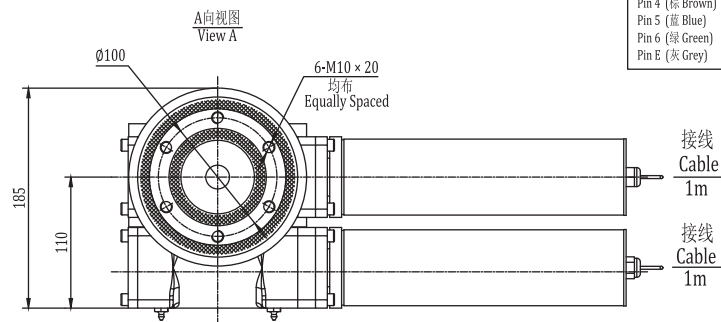




单位 Units: mm
1 inch=25.4mm

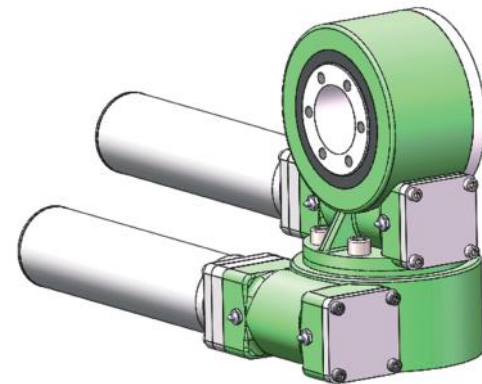
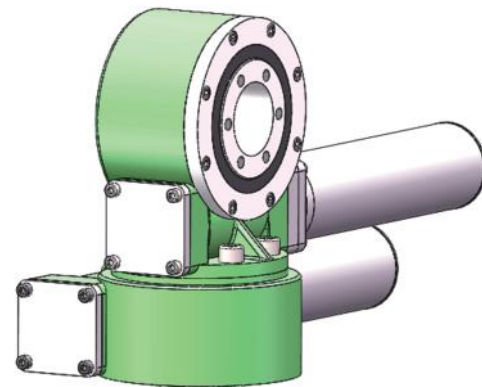
32 kg

接线定义 Wire define	
Pin 1 (黑 Black)	motor -
Pin 2 (红 Red)	motor +
Pin 3 (黄 Yellow)	Hall -
Pin 4 (棕 Brown)	Hall +
Pin 5 (蓝 Blue)	Hall A
Pin 6 (绿 Green)	Hall B
Pin E (灰 Grey)	GND



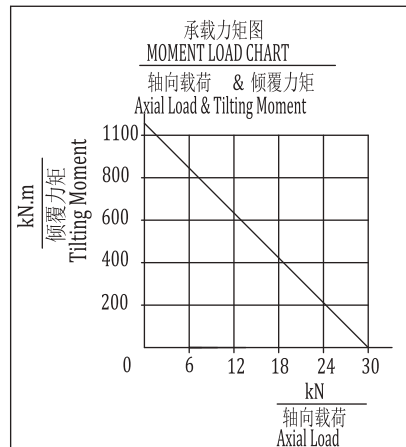
SVH3

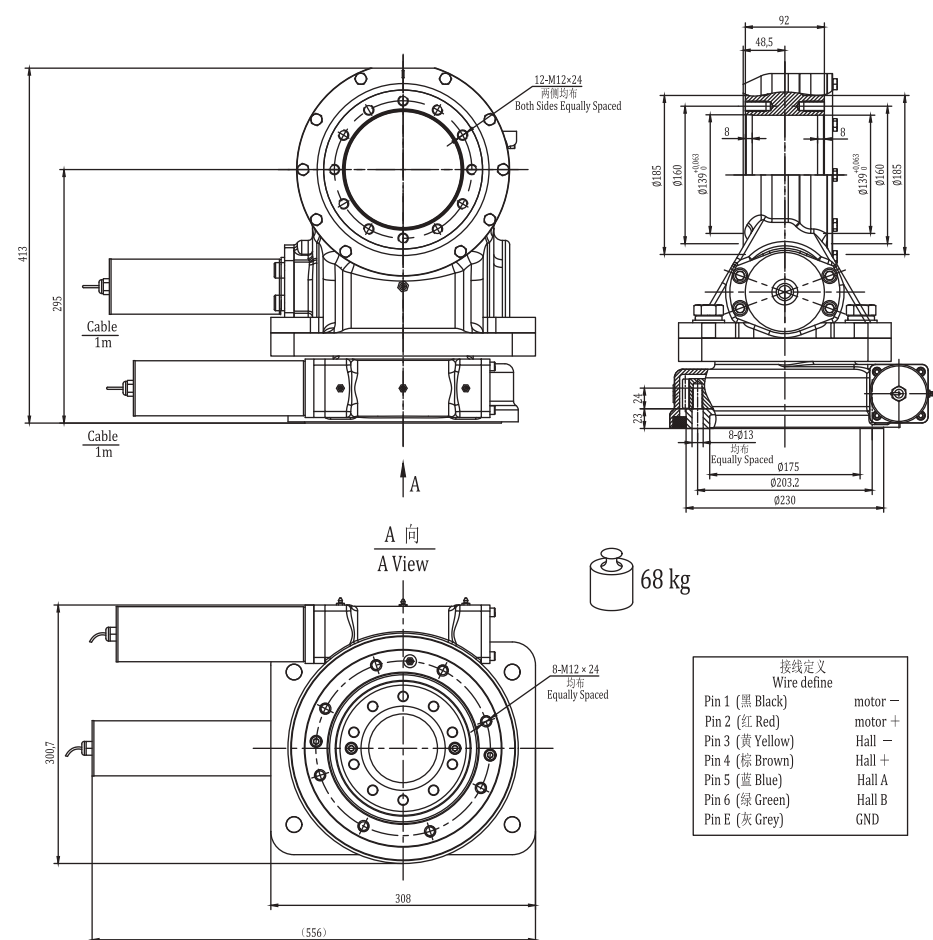
回转驱动 Slewing Drive



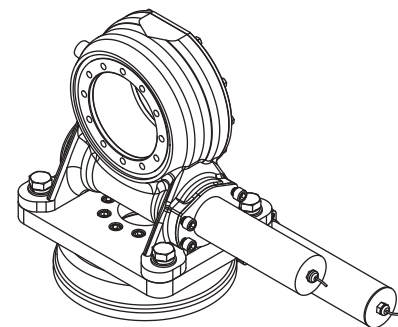
SVH3 回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	62:1	
输出转速	Output Speed	0.048rpm	
输出力矩	Output Torque	716N.m	528 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	1.1 kN.m	0.81×10^{-3} lbf.ft
保持力矩	Holding Torque	2.2 kN.m	1.6×10^{-3} lbf.ft
轴向静载荷	Static Axial Load Rating	30 kN	6.7×10^{-3} lbf
径向静载荷	Static Radial Load Rating	15 kN	3.3×10^{-3} lbf
机械效率	Mechanical Efficiency	30%	
自锁性	Self-locking	可靠的静态自锁 Reliable static self-locking	
精度	Precision	$\leq 0.2^\circ$	
防护等级	IP Class	IP65	



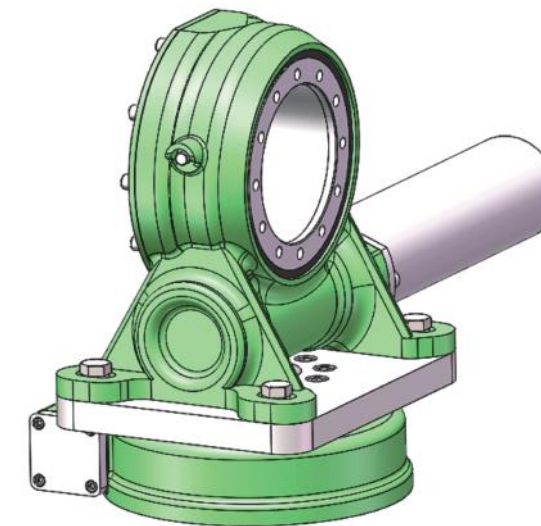
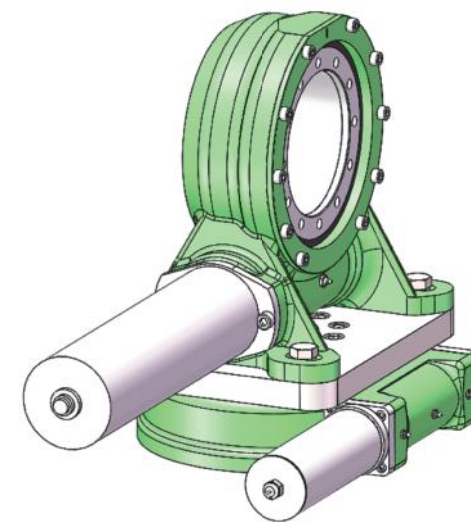


1 inch=25.4mm



SVH7

回转驱动 Slewing Drive

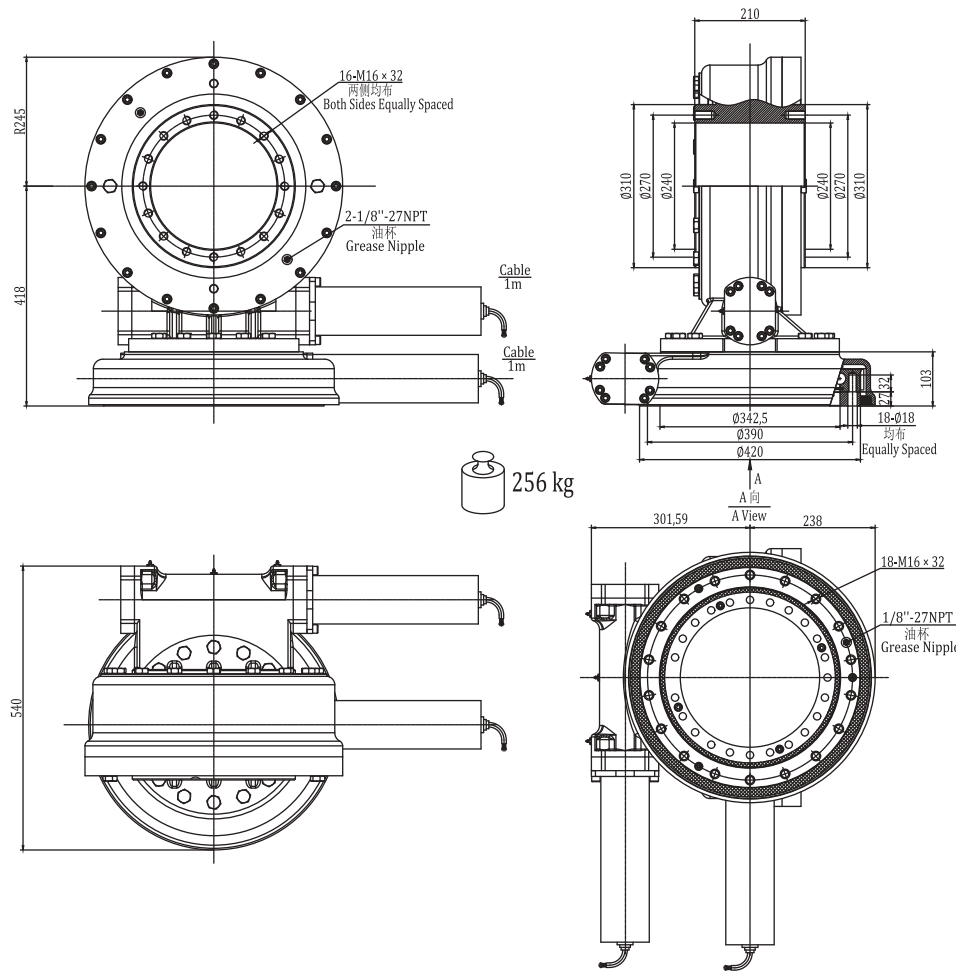


回转驱动性能参数 Slewing Drive Performance Parameters

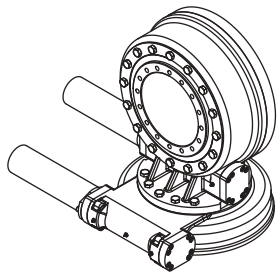
减速比	Gear Ratio	71:1	
输出转速	Output Speed	0.042rpm	
输出力矩	Output Torque	937.2N.m	691.6 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	13.5 kN.m	9.96×10 ³ lbf.ft
保持力矩	Holding Torque	10.4 kN.m	7.67×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	133 kN	30×10 ³ lbf
径向静载荷	Static Radial Load Rating	53 kN	11.9×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

回转驱动性能参数 Slewing Drive Performance Parameters

减速比	Gear Ratio	60:1	
输出转速	Output Speed	0.05rpm	
输出力矩	Output Torque	2100N.m	1549.8 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	10 kN.m	7.38×10 ³ lbf.ft
保持力矩	Holding Torque	42 kN.m	31×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	100 kN	22.5×10 ³ lbf
径向静载荷	Static Radial Load Rating	65 kN	14.6×10 ³ lbf
机械效率	Mechanical Efficiency	35%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	



单位 Units: mm
1 inch=25.4mm

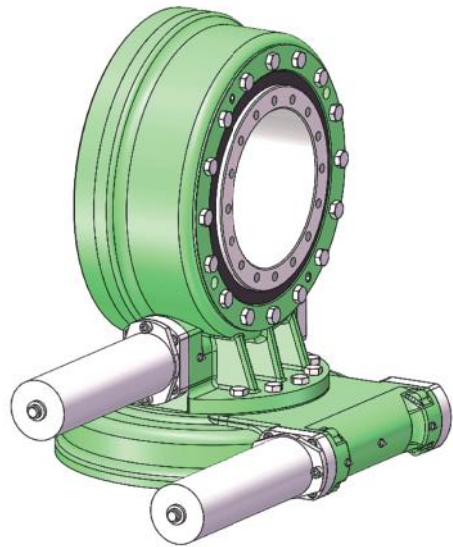


接线定义 Wire define		
Pin 1 (黑 Black)	motor -	
Pin 2 (红 Red)	motor +	
Pin 3 (黄 Yellow)	Hall -	
Pin 4 (棕 Brown)	Hall +	
Pin 5 (蓝 Blue)	Hall A	
Pin 6 (绿 Green)	Hall B	
Pin E (灰 Grey)	GND	



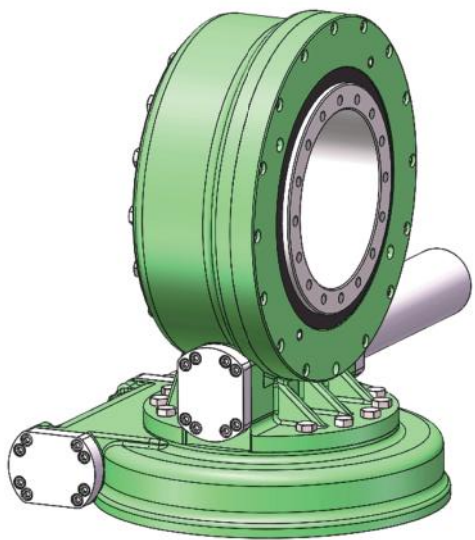
SVH14

回转驱动 Slewing Drive



SC14 回转驱动性能参数
Slewing Drive Performance Parameters

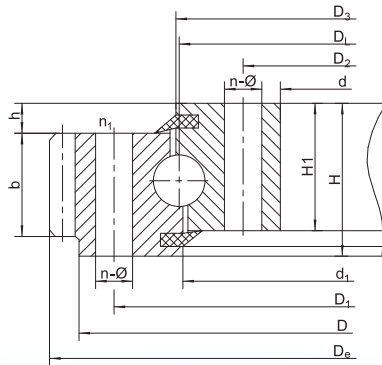
减速比	Gear Ratio	85:1	
输出转速	Output Speed	0.018rpm	
输出力矩	Output Torque	10200N.m	7527 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	67.8KN.m	50×10 ³ lbf.ft
保持力矩	Holding Torque	48 kN.m	42×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	555 kN	124.9×10 ³ lbf
径向静载荷	Static Radial Load Rating	222 kN	49.9×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	



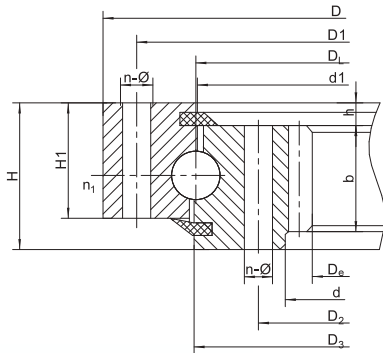
VH14 回转驱动性能参数
Slewing Drive Performance Parameters

减速比	Gear Ratio	85:1	
输出转速	Output Speed	0.018rpm	
输出力矩	Output Torque	10200N.m	7527 lbf.ft
最大倾覆力矩	Tilting Moment (max.)	67.8KN.m	50×10 ³ lbf.ft
保持力矩	Holding Torque	48 kN.m	42×10 ³ lbf.ft
轴向静载荷	Static Axial Load Rating	555 kN	124.9×10 ³ lbf
径向静载荷	Static Radial Load Rating	222 kN	49.9×10 ³ lbf
机械效率	Mechanical Efficiency	40%	
自锁性	Self-locking	可靠的静态自锁Reliable static self-locking	
精度	Precision	≤0.2°	
防护等级	IP Class	IP65	

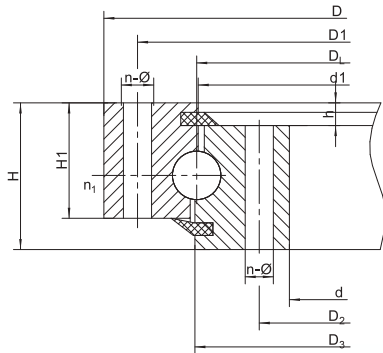
Outer Teeh 外齿型



Inner Teeth 内齿型



No Teeth 无齿型



回转支承尺寸表 Slew Ring Dimension

[illegible]

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