



Top View Dimensions:
Overall Diameter: 430
Inner Diameter: 184
Outer Ring Diameter: Ø346
Inner Ring Diameter: Ø175
Hole Pattern: 16-M16×32 Equally Spaced
Grease Nipple: 2-1/8"-27NPT
Radius: R72.5
Base: 15-M16 Thru Base on Equally Spaced
Input Diameter: Ø270

Side View Dimensions:
Height: 105
Base Width: 222.5
Base Hole Diameter: Ø175
Base Hole Spacing: 145
Input Flange Diameter: Ø222.5
Input Flange Hole Diameter: Ø175
Input Flange Hole Spacing: 145
Input Flange Thickness: 15
Input Flange Base Width: 74
Input Flange Base Hole Diameter: Ø175
Input Flange Base Hole Spacing: 145
Input Flange Base Thickness: 2

Input View Dimensions:
Input (Ø25 Hole):
Outer Diameter: Ø106.4
Inner Diameter: Ø25
Hole Pattern: 8-M12×28 Equally Spaced
Hole Spacing: 28.30
Hole Diameter: Ø25
Hole Position: 8+0.06/-0.02
Input (6B Spline):
Outer Diameter: Ø106.4
Inner Diameter: Ø21.49
Hole Pattern: 8-M12×28 Equally Spaced
Hole Spacing: 6.25
Hole Diameter: Ø21.49
Hole Position: 6.25+0.06/-0.02
Input Flange Diameter: Ø82.56
Input Flange Hole Diameter: Ø25.32
Input Flange Hole Spacing: 6.25
Input Flange Thickness: 10
Input Flange Base Width: 50

Weight: 37kg

1 inch=25.4mm

SP9
Slewing Drive

SP9 Slewing Drive Performance Parameters

Gear Ratio	5:1	
Output Torque (max.)	3 kN.m	2.2×10 ³ lbf.ft
Tilting Moment (max.)	33.9 kN.m	25×10 ³ lbf.ft
Static Axial Load Rating	338 kN	76.1×10 ³ lbf
Static Radial Load Rating	135 kN	30.4×10 ³ lbf
Mechanical Efficiency	85%~95%	
Self-locking	Reliable static self-locking	
Precision	≤0.2°	
IP Class	IP65	

MOMENT LOAD CHART
Axial Load & Tilting Moment

Tilting Moment (KN.m): 16.95, 20.34, 23.73, 27.12, 30.51, 33.9
Axial Load (kN): 181.44, 226.79, 272.15, 317.51, 362.87