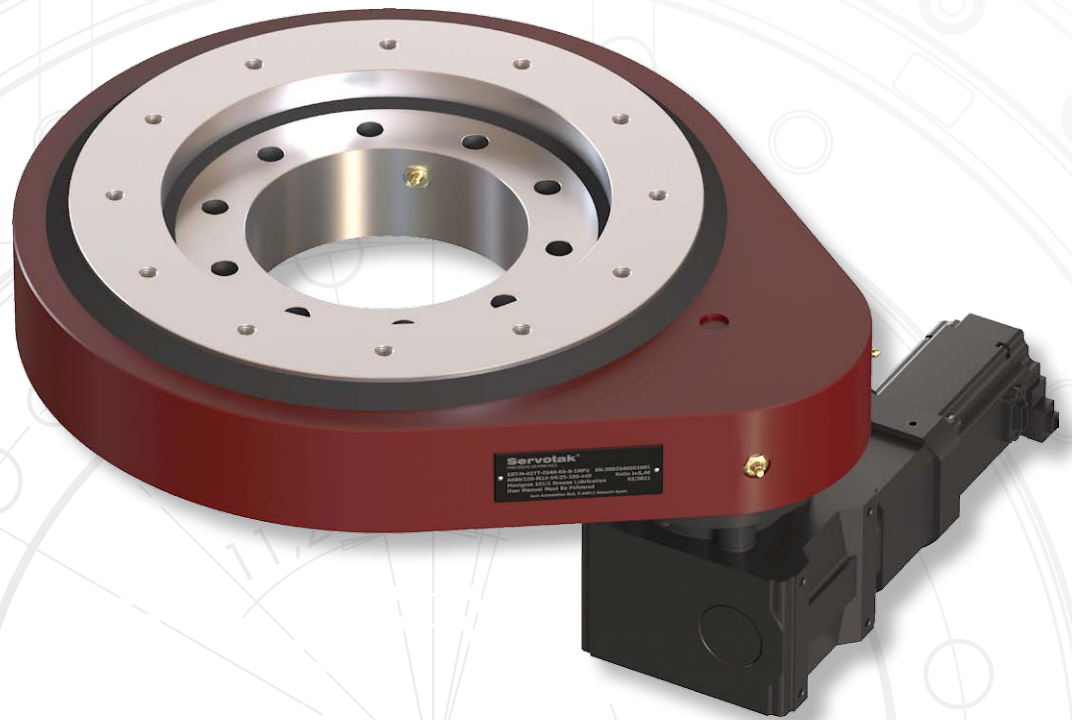


2x $\varnothing 10$ H8 ∇ 20 / 180

12x $\varnothing M10$ T 20 / 120
Servotak[®]
PRECISION GEARBOXES



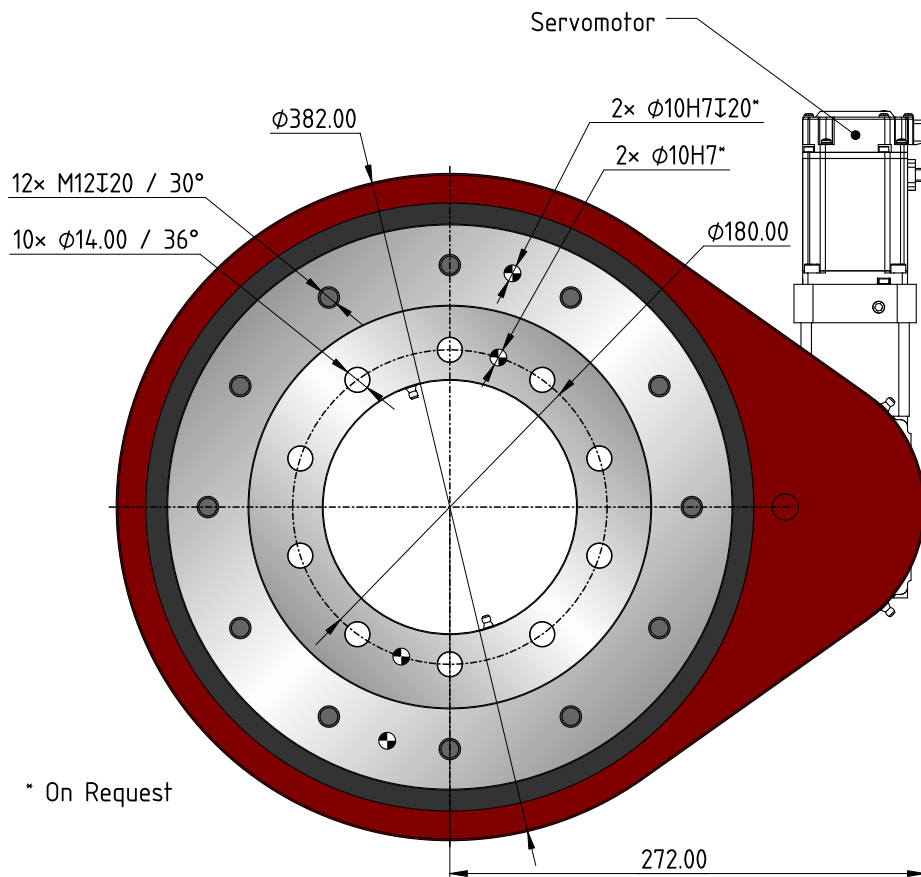
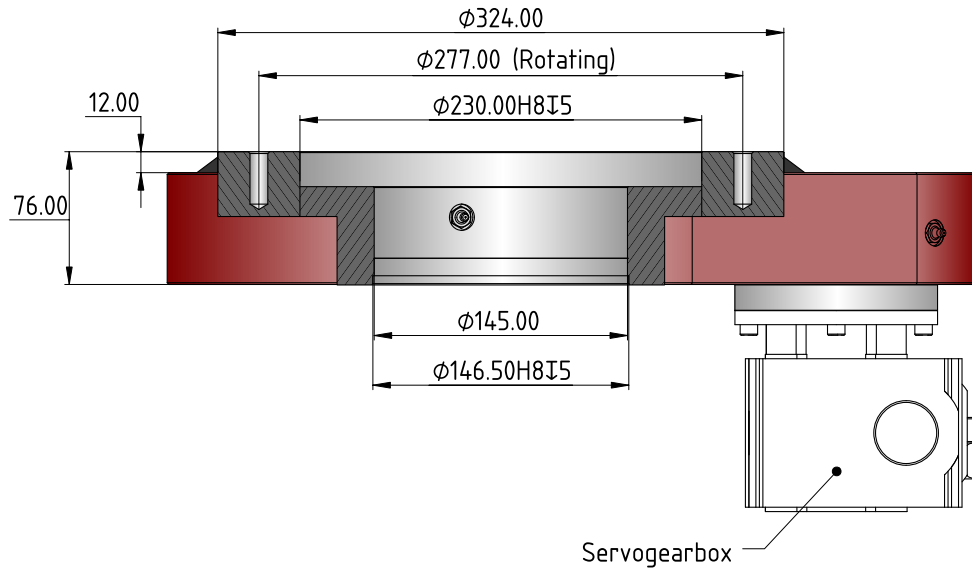
16x $\varnothing 10,50$

45°
2x $\varnothing 8$ H7

SRT-M-0277-1M

SRT-M-0277-1M

Dimensions



Subject to technical improvements without prior notice.

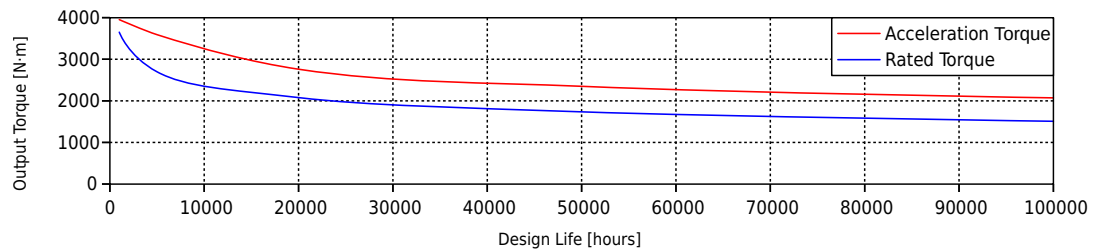
SRT-M-0277-1M

Technical Data

Transmission		Standard Precision (P2)	High Precision (P1)
Turning Direction		Programmable, reversible	
Internal Ratio		5.4:1	5.4:1
Backlash	arcmin	≤4	≤1.9
Moment of Inertia	kg·m ²	0.015	0.015
Efficiency ⁽¹⁾	%	91	92
No Load Starting Input Torque	N·m	1.48	1.48
Operating Temperature	°C	-15 to +50	-15 to +50
Mass (without Gearmotor)	kg	50	50

(1) This value remains constant and is independent of output torque and input speed.

Output Torque Capacity as per DIN-3990



Curves for Standard Precision (P2) SRT actuators.

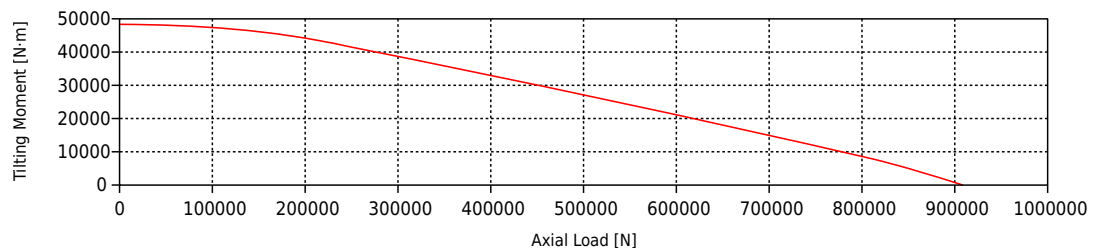
Gearbox	Total Transmission Ratio
SVS (Right Angle)	40:1 to 540:1
MQ (Right Angle)	27:1 to 442:1
MA (Right Angle)	21:1 to 2106:1
SG (Coaxial)	16:1 to 5400:1

Bearing Load Capacity		
Basic Static Axial Load Rating C_{0a} ⁽¹⁾	N	606319
Basic Dynamic Axial Load Capacity C_a ⁽²⁾	N	165709
Basic Static Radial Load Capacity C_{0r} ⁽¹⁾	N	278099
Basic Dynamic Radial Load Capacity C_r ⁽²⁾	N	164097

(1) Values calculated as per ISO-76 and ISO/TR-10657.

(2) Values calculated as per ISO-281 and ISO/TR-1281-1.

Bearing Load Capacity



Limiting Load Diagram calculated with a Static Safety Factor SF=1. Values calculated at the bearing raceway, for a supported axial load. Support structure must be sufficiently rigid, and must be machined and level. The operating load point must be under the curve, and a service factor depending on machine type and desired service life must be applied.