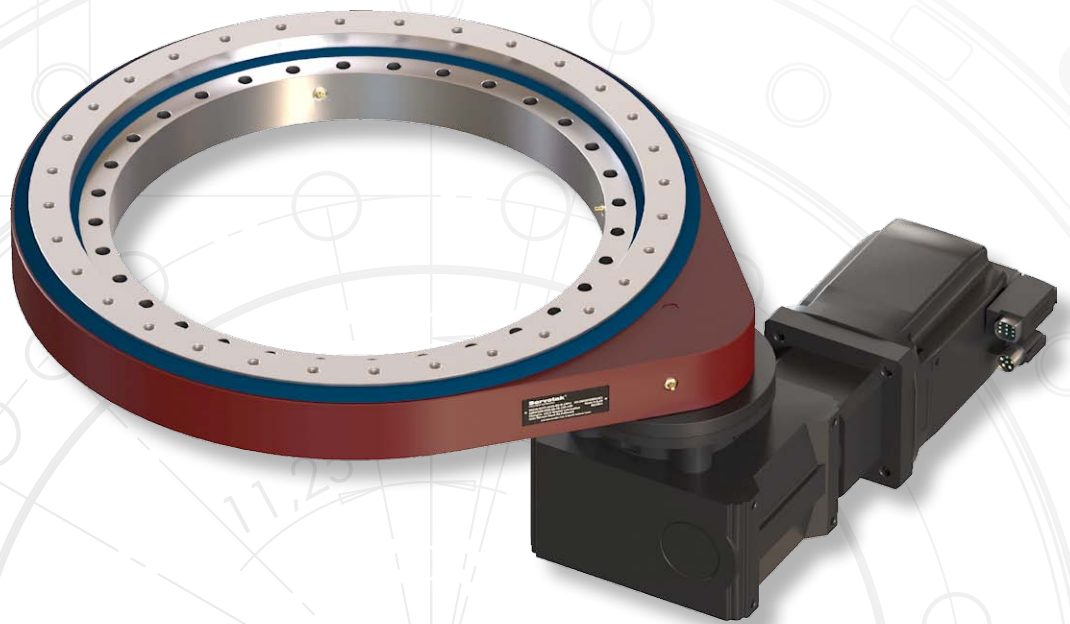


2x  $\varnothing 10$  H8 / 20 / 180

12x  $\varnothing M10$  T 20 / 200  
**Servotak**<sup>®</sup>  
PRECISION GEARBOXES



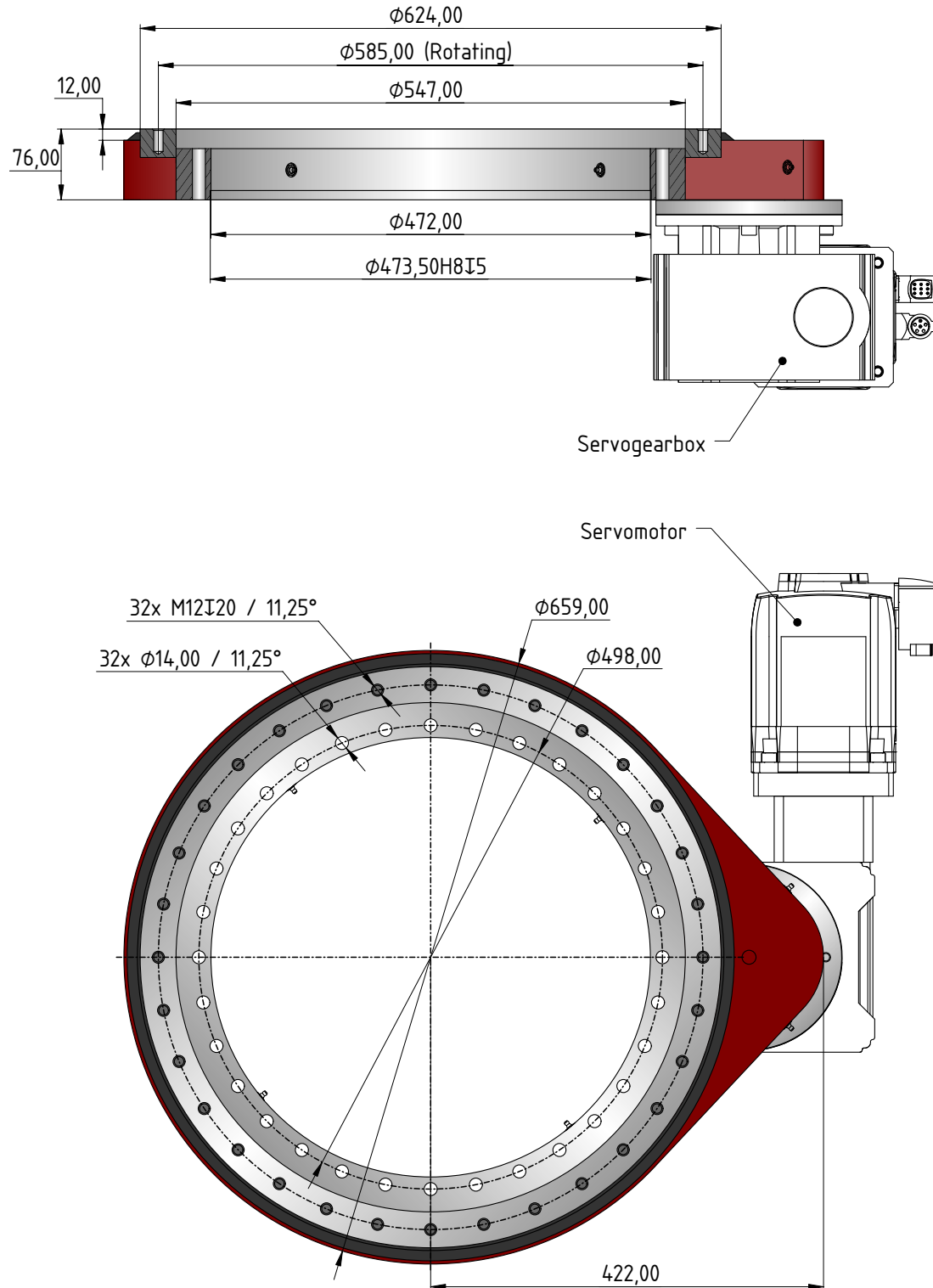
16x  $\varnothing 10,50$

45°  
2x  $\varnothing 8$  H7

**SRT-M-0585-1M**

# SRT-M-0585-1M

## Dimensions



Subject to technical improvements without prior notice.

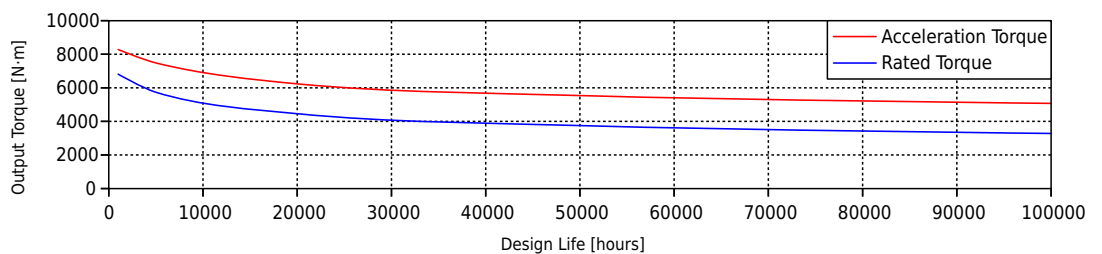
# SRT-M-0585-1M

## Technical Data

Transmission		Standard Precision (P2)	High Precision (P1)
Turning Direction		Programmable, reversible	
Internal Ratio		10.4:1	10.4:1
Backlash	arcmin	≤1.76	≤1.20
Moment of Inertia	kg·m <sup>2</sup>	0.054	0.054
Efficiency <sup>(1)</sup>	%	91	92
No Load Starting Input Torque	N·m	4.23	4.23
Operating Temperature	°C	-15 to +50	-15 to +50
Mass (without Gearmotor)	kg	89	89

(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.

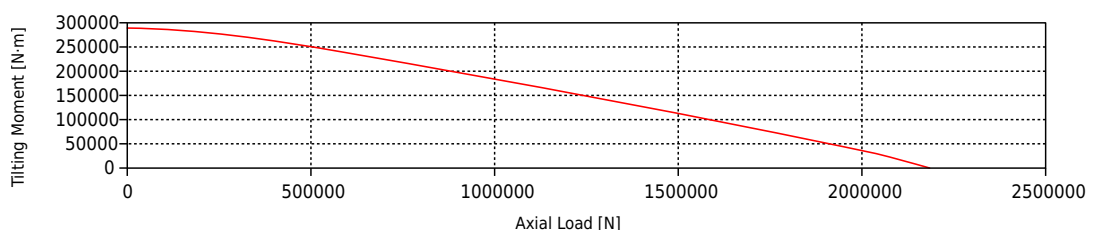
Gearbox	Total Transmission Ratio
SVS (Right Angle)	78:1 to 1040:1
MQ (Right Angle)	52:1 to 852:1
MA (Right Angle)	41:1 to 4056:1
SG (Coaxial)	30:1 to 10400:1

Bearing Load Capacity		
Basic Static Axial Load Rating $C_{0a}$ <sup>(1)</sup>	N	1491180
Basic Dynamic Axial Load Capacity $C_a$ <sup>(2)</sup>	N	228916
Basic Static Radial Load Capacity $C_{0r}$ <sup>(1)</sup>	N	684209
Basic Dynamic Radial Load Capacity $C_r$ <sup>(2)</sup>	N	225859

(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.