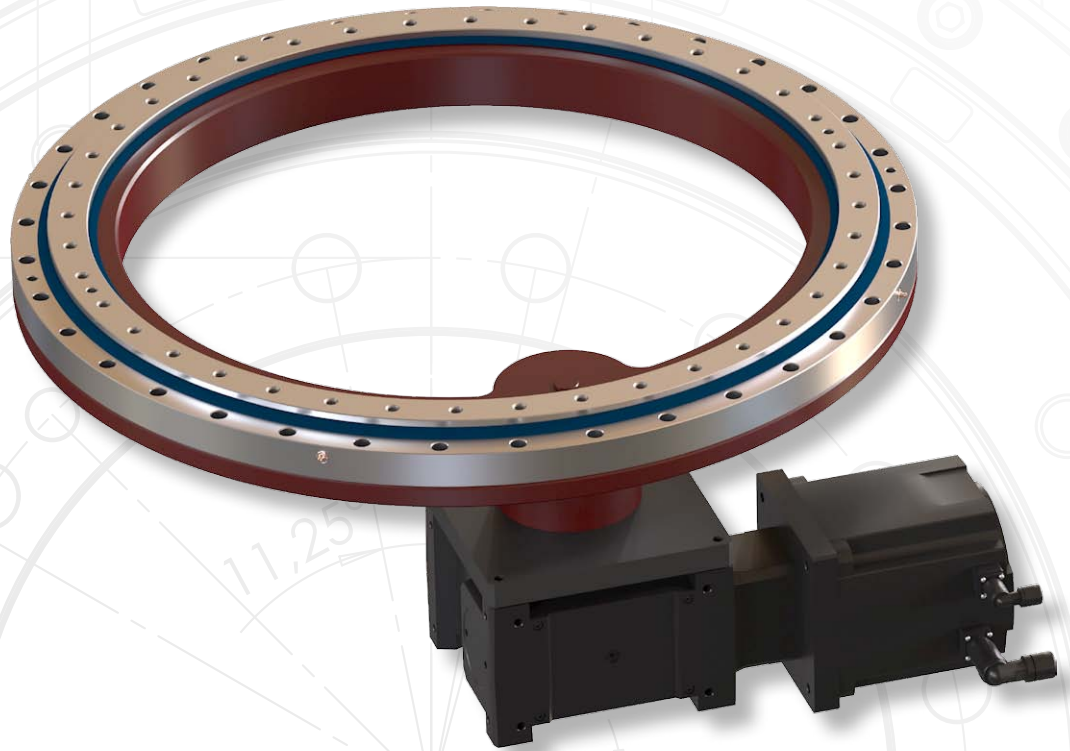


2x $\varnothing 10$ H8 / 20 / 180

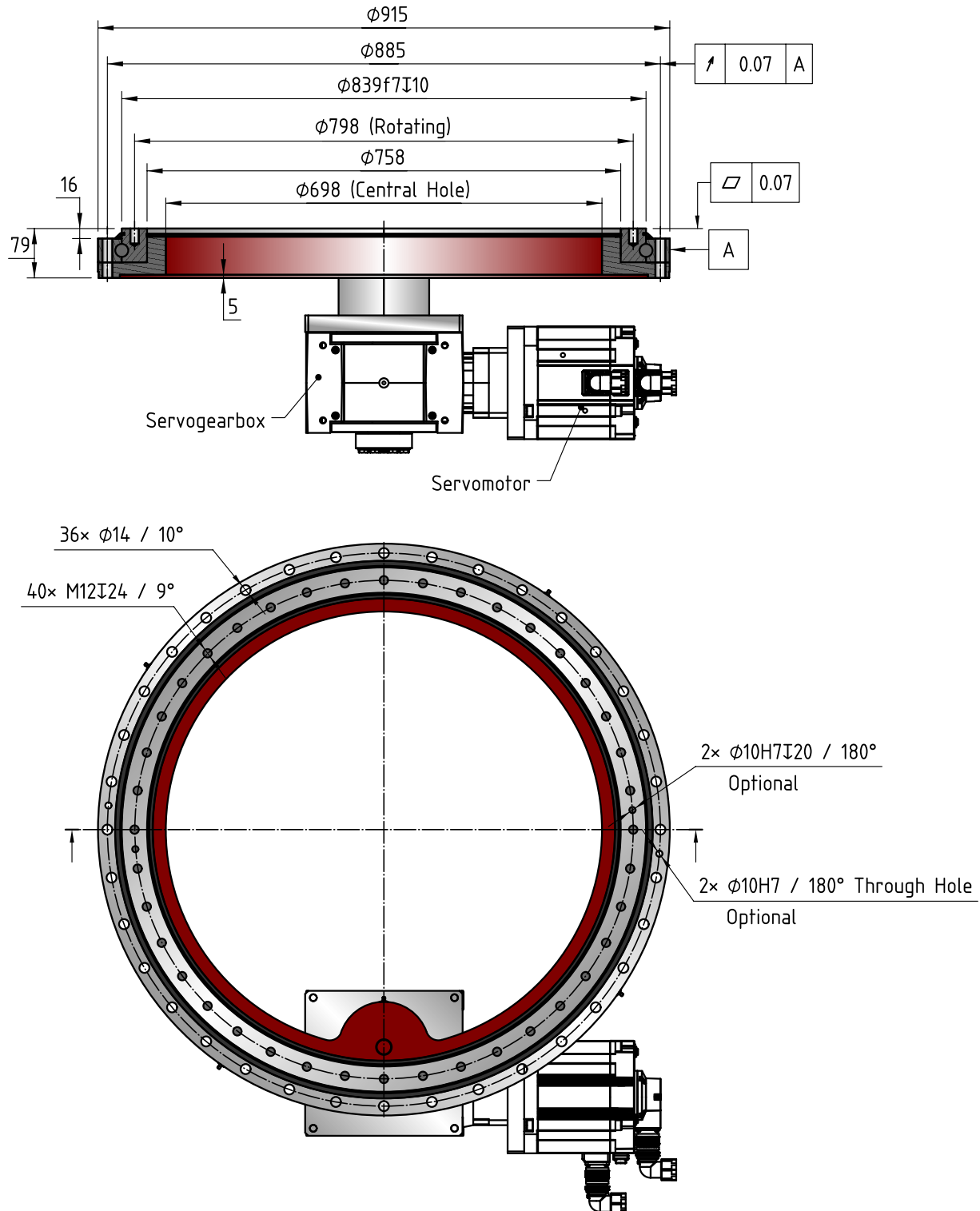
12x $\varnothing M10$ T 20 / 200
Servotak[®]
PRECISION GEARBOXES



SRT-N-0798-1M

SRT-N-0798-1M

Dimensions



(1) Values valid while supported by a precision machined surface on a support structure with sufficient stiffness. Subject to technical improvements without prior notice.

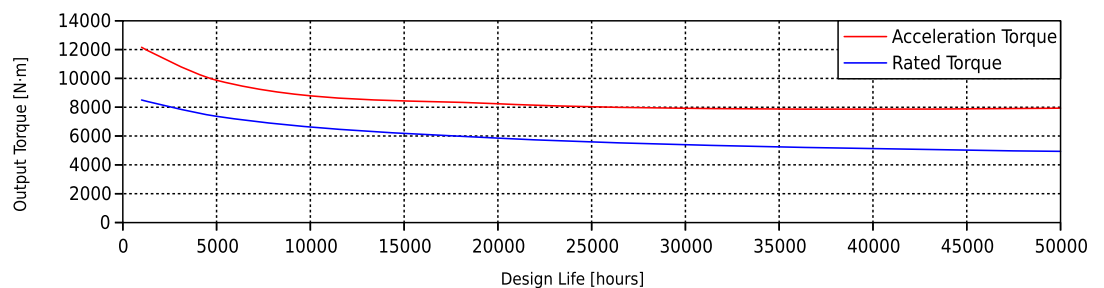
SRT-N-0798-1M

Technical Data

Transmission		Standard Precision (P2)	High Precision (P1)
Turning Direction		Programmable, reversible	
Internal Ratio		12.60:1	12.60:1
Backlash	arcmin	≤2.4	≤1.2
Moment of Inertia	kg·m ²	0.016	0.016
Efficiency ⁽¹⁾	%	90	91
No Load Starting Input Torque	N·m	6.59	6.59
Operating Temperature	°C	-15 to +50	-15 to +50
Mass (without Gearmotor)	kg	113	113

(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.

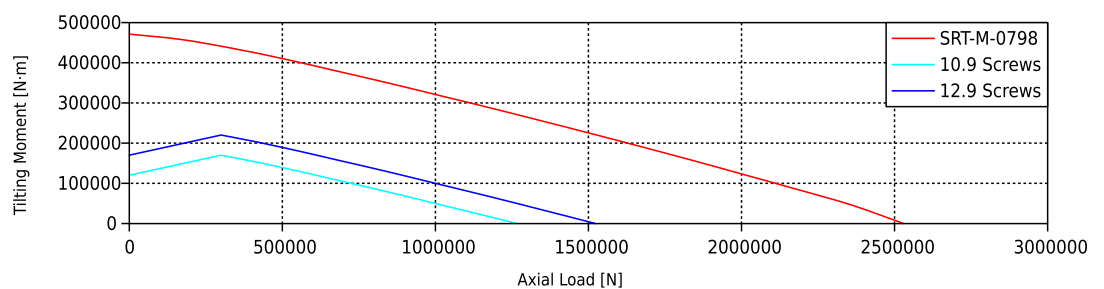
Gearbox	Total Transmission Ratio
SVS (Right Angle)	94 to 1260
MQ (Right Angle)	63 to 1045
MA (Right Angle)	50 to 4914
SG (Coaxial)	37 to 12600

Bearing Load Capacity		
Basic Static Axial Load Rating C_{0a} ⁽¹⁾	N	2066750
Basic Dynamic Axial Load Capacity C_a ⁽²⁾	N	257916
Basic Static Radial Load Capacity C_{0r} ⁽¹⁾	N	948365
Basic Dynamic Radial Load Capacity C_r ⁽²⁾	N	254283

(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.