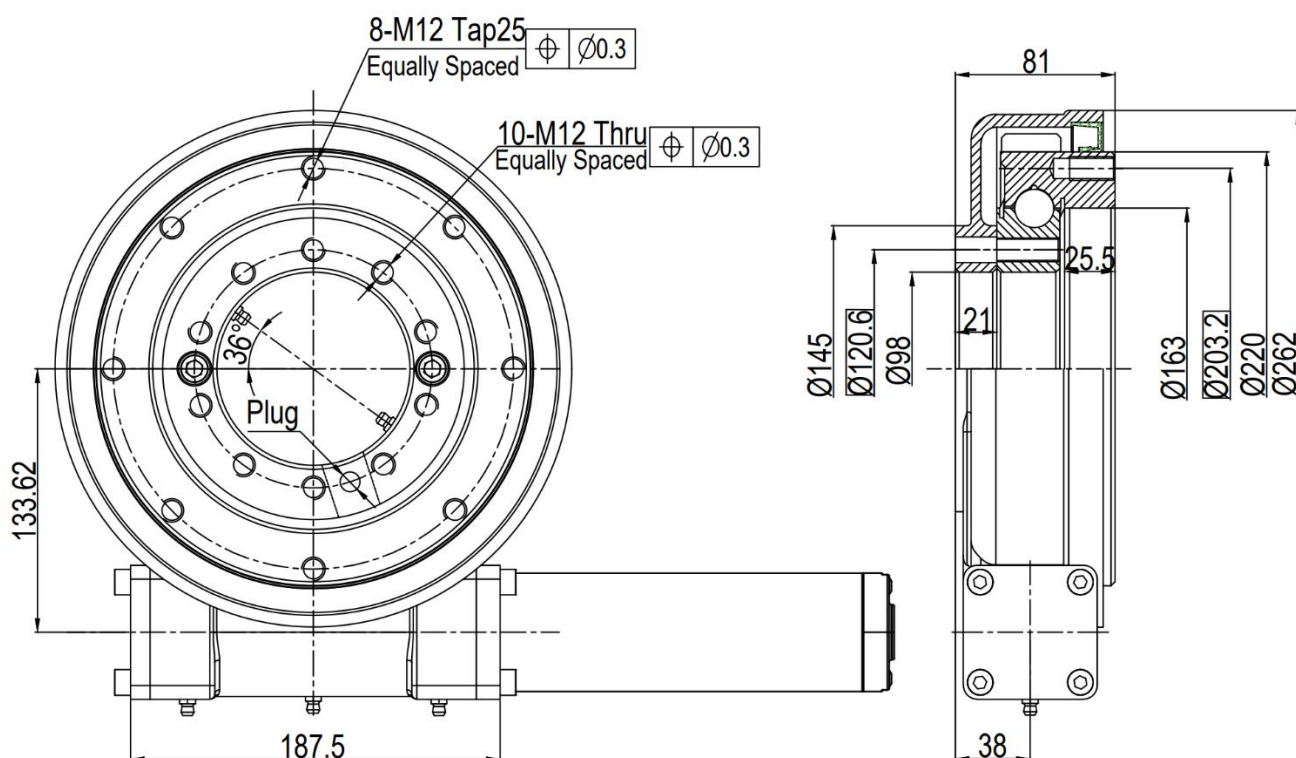


DATASHEET – DIMENSIONS

WORM GEAR SLEW DRIVE SERIES SEA7-100-R WITH 12V ELECTRIC MOTOR GEAR RATIO 71:1



DIMENSIONS



TECHNICAL INFORMATION

ELECTRIC MOTOR	
Voltage	12 V DC
Electric current	≤ 14 A
Motor output torque	8,5 Nm
Maximum output speed	100 rpm (±10%)

WORM GEAR SLEW DRIVE	
Model	SEA07-12V100R
Gear ratio	71:1
Output speed:	1,4 rpm (max. 1,55 rpm)
Output torque	0,21 kNm (210 Nm)
Holding torque	10,4 kNm
Static axial load capacity	133 kN
Static radial load capacity	53 kN
Tilting moment	13,5 kNm
Backlash	≤ 0,2°
Rotation range	360° (continuous)
Outer diameter	262 mm

GENERAL INFORMATION	
Product weight	19,5 kg



Load Capacity Diagram

The diagram shows the permissible combinations of axial load and tilting moment for the SEA7 worm gear slew drive. As the axial load increases, the permissible tilting moment decreases. To ensure proper selection and safe operation of the drive, the limit values specified by the manufacturer must be observed.

Legend:

Horizontal axis: axial load in kN.

Vertical axis: tilting moment in kNm.

Highlighted area: permissible load combinations according to the manufacturer's diagram.

Limit curve: combined load limit that must not be exceeded.

