



PRODUCT TECHNICAL SPECIFICATION

GEAR BOX

SCOPE

gear ratio of 24:1 between DN 40-150,
gear ratio of 30:1 between DN 200-300

A. MATERIALS

Body	in accordance with the TS 552 EN 1561 Standard; Gray Cast Iron, EN JL 1040 (GG 25 according to the older rating)
Bonnet	in accordance with the EN 1561 Standard; Gray Cast Iron, EN JL 1040 (GG 25 according to the older rating)
Stem	Stainless Steel, AISI 420
Worm Gear	Ductile Iron, EN JS 1020 (GGG 40.3 according to the older rating)
Screw gear	C 1040 or C 1050 non-alloy steel
Fitting Components	AISI 304 Stainless Steel
Handwheel	Ductile Iron, EN JS 1020 (GGG 40.3 according to the older rating)



B. CONNECTION DIMENSIONS

F05 and F 07 in accordance with the TS EN ISO 5211 standard; 24:1 gear ratio
F07 and F10 in accordance with the TS EN ISO 5211 standard; 30:1 gear ratio

C. POSITION INDICATOR

There shall be a mechanically operating position indicator showing the on and off positions on the gear boxes.

D. OPERATING TORQUE

24:1 gear ratio: Max. operating torque is 225 Nm. 25% safe torque value is 180Nm. 30:1 gear ratio: Max. operating torque is 450 Nm. 25% safe torque value is 360Nm.

The 25% safe torque value should be taken into account during use of gear boxes.

E. DRIVE SYSTEM

Worm and screw gear

F. ON-OFF RESTRICTION

Screw and nut is used for on-off restriction.

G. PAINT

RAL 9005 (Matte black)

H. OTHER ISSUES

To prevent water, dust, etc. from entering the gear box, the following parts shall be used: a gasket between body and cover, a NBR o-ring on the upper and lower parts (body and cover connections) of the worm gear, and a NBR dust seal on the shaft.