

Throttle Body with Integrated Stepper Motor

P/N 30.43.100-D, P/N 30.43.100-D-HT, P/N 30.43.105-D, P/N 30.43.105-D-HT

Variations

- Standard diameters D of the throttle (*see drawing*) 60 mm (2.36"), 68 mm (2.68")
- Possible diameters of the throttle 48 mm (1.89") to 68 mm (2.68")

Dimensions

- Length/width of mounting flange 111.7 mm (4.40")
- Hole spacing on the mounting flange 75 mm (2.95")
- Height of mounting flange 61 mm (2.40")
- Length including stepper motor 257.9 mm (10.15") (*standard version*)
272.9 mm (10.74") (*HT version*)
- Width of stepper motor 56.4 mm (2.22")

Connections

- Stepper motor 10-pole military style connector

Weight

- P/N 30.43.100-60, P/N 30.43.105-60 2.5 kg (5.51 lbs)
- P/N 30.43.100-68, P/N 30.43.105-68 2.6 kg (5.73 lbs)
- P/N 30.43.100-60-HT, P/N 30.43.105-60-HT 2.6 kg (5.73 lbs)
- P/N 30.43.100-68-HT, P/N 30.43.105-68-HT 2.7 kg (5.95 lbs)

Mechanical Data

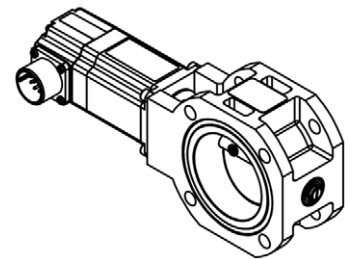
- Maximum rotation angle of the throttle body 80°
- Chemical resistance Water, oil, gaseous fuels
- Absolute pressure 4.5 bar (65 psi)
- Maximum temperature of media flowing through +125 °C (+257 °F) (*standard version*)
+200 °C (+392 °F) (*HT version*)

Climatic Environmental Conditions

- Permissible temperature range -20 °C to +85 °C (-4 °F to +185 °F)
- Maximum relative humidity 95%

Stepper motor

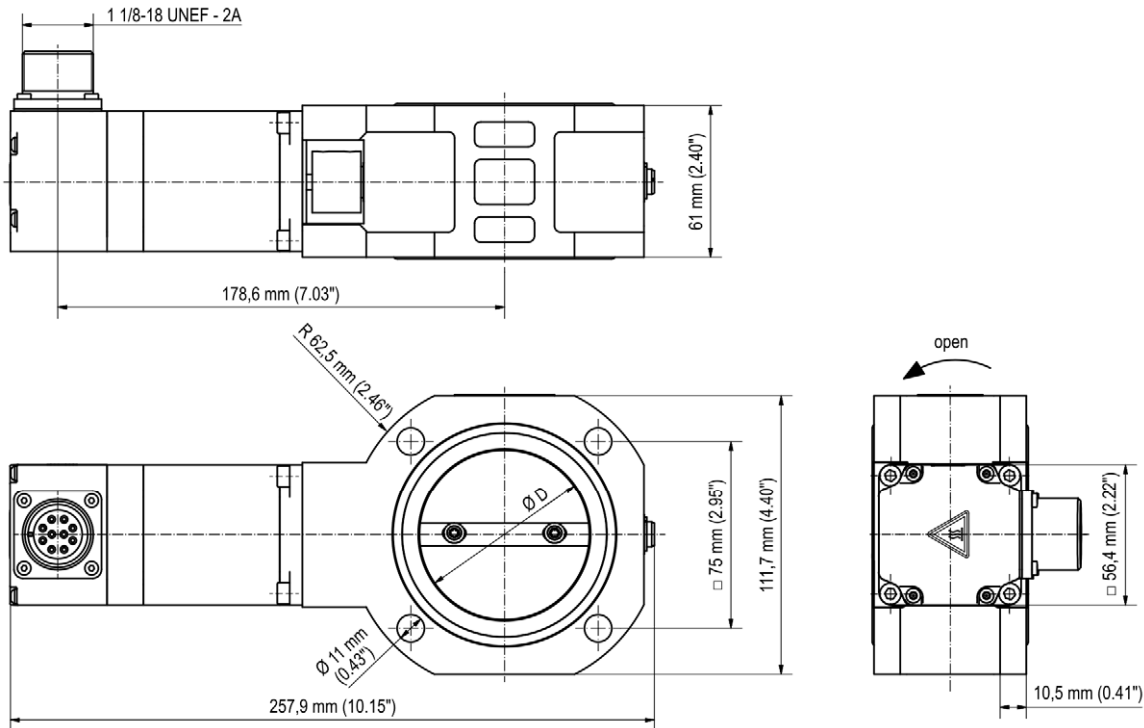
- Resolution 0,05625°
(in 1/16 microstep operation mode)
- Speed (when opening from 10% to 90%) 35 ms (*VariStep3*)
- Holding torque 1.7 Nm (1.25 lb-ft) (*VariStep3*)



Overview Drawings

P/N 30.43.105-D and P/N 30.43.105-D-HT also correspond to the following drawings, but without the seal (O-ring, 82.14 mm x 3.53 mm [3.23" x 0.14"]) and the groove required for it.

P/N 30.43.100-D



P/N 30.43.100-D-HT

