

Throttle Body with Integrated Stepper Motor

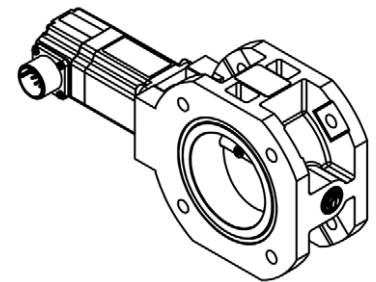
P/N 30.43.150-D, P/N 30.43.150-D-HT, P/N 30.43.155-D, P/N 30.43.155-D-HT

Variations

- Standard diameters D of the throttle (*see drawing*) 90 mm (3.54"), 100 mm (3.94")
- Possible diameters of the throttle 82 mm (3.23") to 104 mm (4.09")

Dimensions

- Length/width of mounting flange 148.7 mm (5.85")
- Hole spacing on the mounting flange 110 mm (4.33")
- Height of mounting flange 80 mm (3.15")
- Length including stepper motor 319 mm (12.56") (*standard version*)
344 mm (13.54") (*HT version*)
- Width of stepper motor 85.9 mm (3.38")



Connections

- Stepper motor 10-pole military style connector

Weight

- P/N 30.43.150-90, P/N 30.43.155-90 7.0 kg (15.43 lbs)
- P/N 30.43.150-100, P/N 30.43.155-100 6.8 kg (14.99 lbs)
- P/N 30.43.150-90-HT, P/N 30.43.155-90-HT 7.2 kg (15.87 lbs)
- P/N 30.43.150-100-HT, P/N 30.43.155-100-HT 6.9 kg (15.21 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%

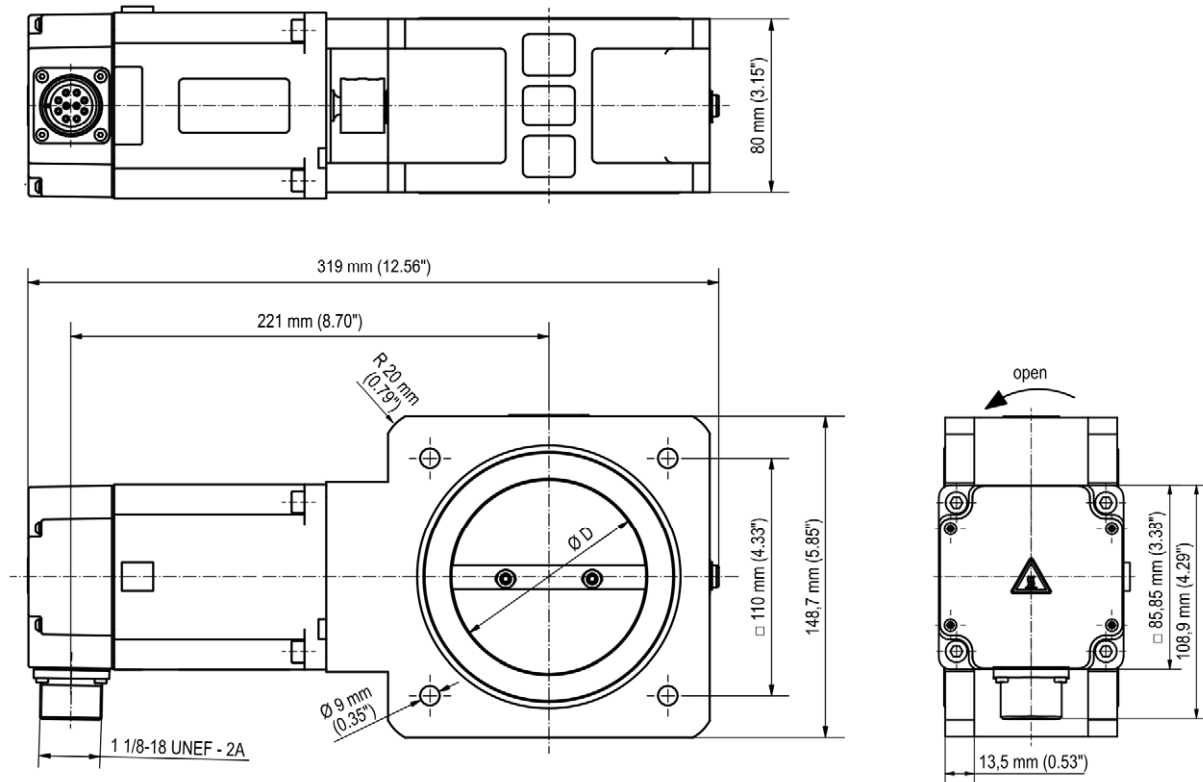
Characteristics of Stepper Motor

- Resolution 0.1125°
(in 1/16 microstep operation mode)
- Speed (when opening from 10% to 90%) 35 ms (*VariStep3*)
- Holding torque 5.4 Nm (3.98 lb-ft) (*VariStep3*)

Overview Drawings

P/N 30.43.155-D and P/N 30.43.155-D-HT also correspond to the following drawings, but without the seal (O-ring, 116 mm x 3 mm [4.57" x 0.12"]) and the groove required for it.

P/N 30.43.150-D



P/N 30.43.150-D-HT

