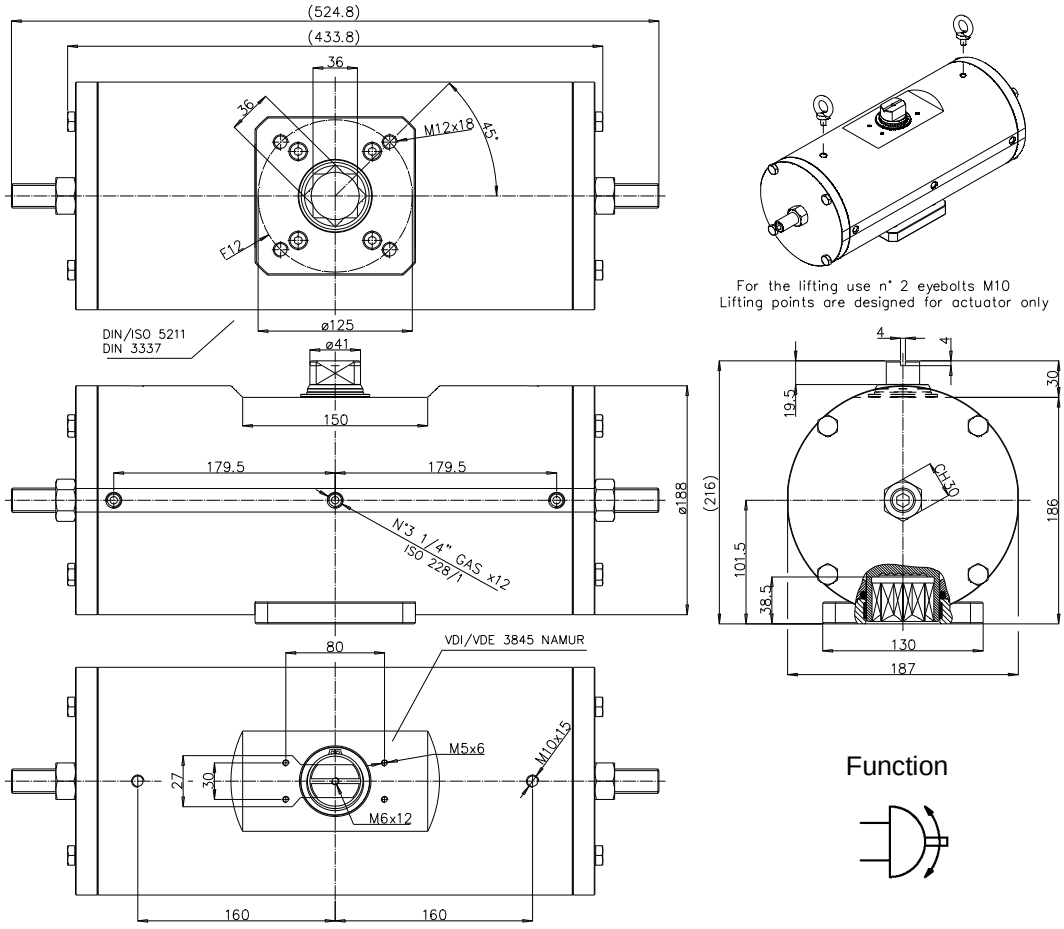
ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet

GD1440F12 INOX

Modification reserved. Rev.date 11.2025.
No guarantee for accuracy.
Older data sheets are invalid

COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =



Double Acting Actuators - Output Torque related to rotation angle , in Nm (0°valve closed 90°valve open)								
ROTATION ANGLE	Air pressure supply in bar							
	2,5	3	4	5	5,6	6	7	8
0°	642.9	771.4	1028.6	1285.7	1440.0	1542.9	1800.0	2057.1
50°	321.4	385.7	514.3	642.9	720.0	771.4	900.0	1028.6
90°	482.1	578.6	771.4	964.3	1080.0	1157.1	1350.0	1542.9

Technical Data							
Max Pressure	** Min Pressure	Rotation	Stroke Adjustment	Screw Stroke Adjustment	*Moving time (sec.)		Operating temperature (°C)
					Opening	Closing	
8.4 bar	1 bar	92° -1° +91°	10°	For 1° drive Need 2/3 turn screw	1.36	1.21	Standard –20°C +80°C High temperature –20°C +150°C Low temperature –50°C +60°C

Weight Kg	Chamber Ø (mm)	Air volume L/cycle	Maximum flange torque values
50.5	145	7.7	F12 = 1000 Nm

*The moving time could vary on different operating and installation factors.
**Attention: for “High Temperature” and “Low Temperature” version, the Min Pressure is 3.bar.

Operating Medium
The operating medium shall have a dew point equal to – 20 °C or, to be at least, 10 °C below the ambient temperature (ISO 8573-1, Class 3).
The maximum particle size shall not exceed 40 µm (ISO 8573-1, Class 5).

ACTUATECH S.p.A.
Via S. Lorenzo, 70, 25069 Villa Carcina BS – ITALY Tel. (+39) 0308908142 Fax (+39) 0308908143
http://www.actuatech.com e-mail: actuatech@actuatech.com