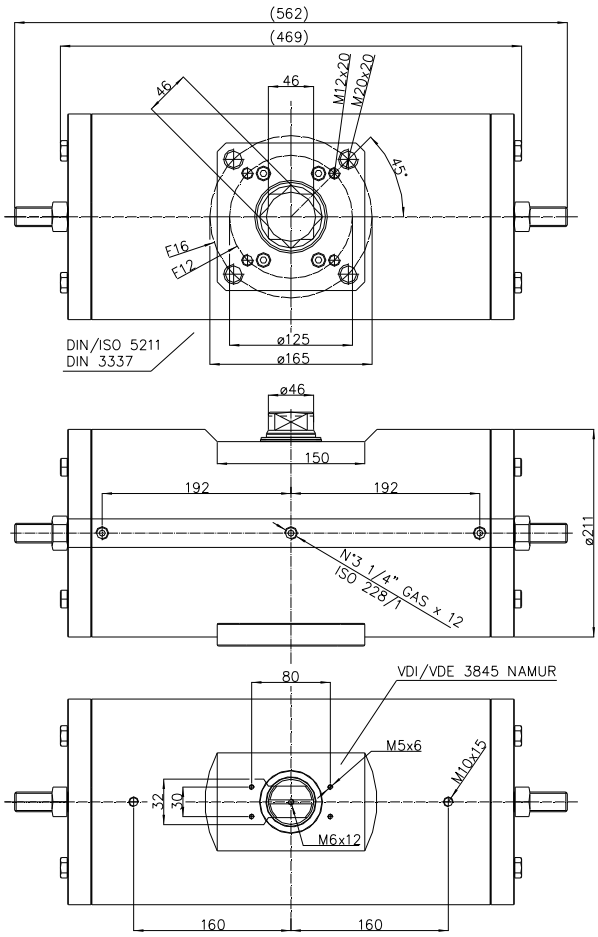
ACTUATECH
ACTUATOR TECHNOLOGY

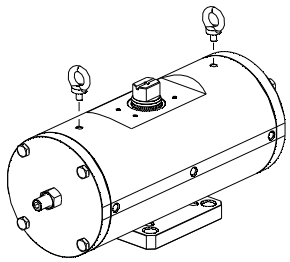
Actuator datasheet

GD1920F12F16 INOX

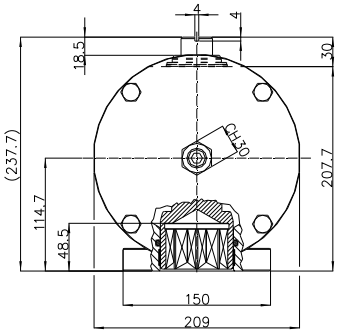
Modification reserved. Rev.date 11.2025.
No guarantee for accuracy.
Older data sheets are invalid

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





For the lifting use n° 2 eyebolts M10
Lifting point are designed for actuator only



Function

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°	857.1	1028.6	1371.4	1714.3	1920.0	2057.1	2400.0	2742.9
50°	428.6	514.3	685.7	857.1	960.0	1028.6	1200.0	1371.4
90°	642.9	771.4	1028.6	1285.7	1440.0	1542.9	1800.0	2057.1

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 3/4 turn screw	1.59	1.44	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**
73	160	10	F12 = 1000 Nm F16 = 4000 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).

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