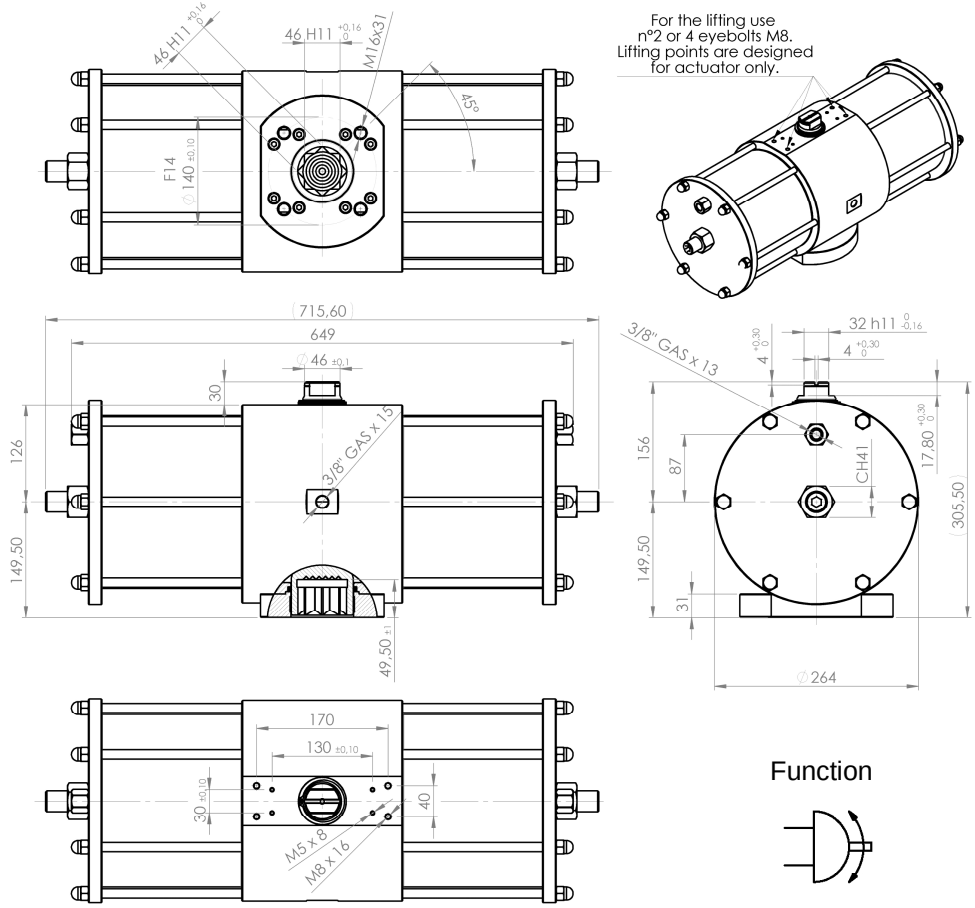
ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet

GD3840F14 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 =



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°	1714.3	2057.1	2742.9	3428.6	3840.0	4114.3	4800.0	5485.7
50°	857.1	1028.6	1371.4	1714.3	1920.0	2057.1	2400.0	2742.9
90°	1285.7	1542.9	2057.1	2571.4	2880.0	3085.7	3600.0	4114.3

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	2.09	1.68	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
83.7	208	21.46	F14 = 2000 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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