



ECON® Hydraulic actuator Series: EDH Type: 21204 Quarter turn Double acting

Characteristics

Series: EDH
Type: 21204
Transmission: Quarter turn
Type of drive: Hydraulic
Operating principle: Double acting
Signal pressure: 135 bar
Test pressure: 210 bar
Top flange standard: ISO 5211
Maximum angle of rotation: 92 °
With mechanical setting indicator: Yes
Hydraulic connection: 1/4" BSP
Material housing: Steel
Material quality: C45 [1.0503]
Housing surface protection: Nitrocarburized & epoxy coating
Spindle material: Steel
Material bolts: Galvanized steel
Ambient temperature: -18 / 75 °C

Application

- The Helical hydraulic actuators are suitable for operating butterfly valves, plug valves and ball valves.
- With their robust design and reliability, they are particularly suitable for the maritime industry and offshore applications.

Technical Information

- Double-acting with an output torque of up to 16,200 Nm.
- Operating temperature: -18°C to +75°C.
- Rotation angle is 90° +/- 2 degrees and is achieved by twisting the housing.
- Housing made of nitrocarbonated steel.
- Visual position indicator suitable for mechanical end switches, reed switches and potentiometers.
- Working pressure: 135 bar.

Construction

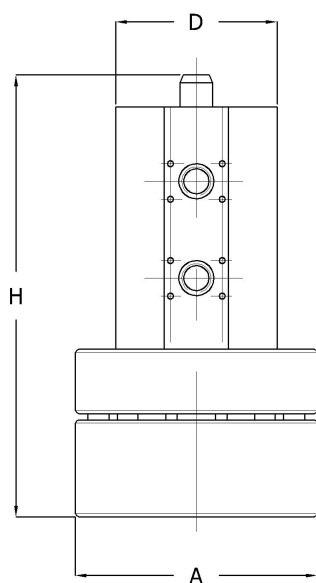
- Compact spiral gear design.
- Mounting connection according to ISO 5211.
- Spindle adaptation through loose inserts.
- Hydraulic connection via MBA adapter block or connection with 1/4" BSP female thread.
- Two-component coating for corrosion protection; suitable for underwater applications.

Execution

- Double-acting open/closed or proportionally controlled.

Options

- Positive hydraulic position indicator [HPPI].
- Additional coating for specific applications.



Size table:

Model	A mm	D mm	H mm	Weight kg
EDH-1	115	80	200	9.4
EDH-3	145	105	271	20.4
EDH-5	210	147	358	54

Type of regulation	Model	Double-acting torque Nm	Mounting flange	Mounting flange 2	Actuator stem shape	Shaft diameter mm	Depth connection mm	Article
On/Off	EDH-1	125	F05	F07	Insert with lock pins	30	30	13468458
On/Off	EDH-3	525	F10	F12	Insert with lock pins	50	45	13468460
On/Off	EDH-5	1980	F14	F16	Insert with lock pins	80	67	13468462

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