



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

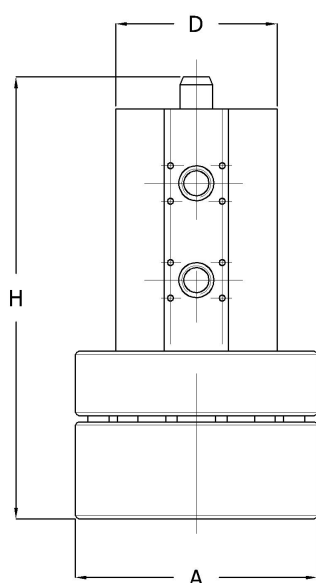
- Compact spiral gear design.
- Mounting connection according to ISO 5211.
- Spindle adaptation through loose inserts.
- Hydraulic connection via MBA adapter block or connection with 1/4" BSP female thread.
- Two-component coating for corrosion protection; suitable for underwater applications.

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-2	130	90	214	12.8
EDH-3	145	105	271	20.4
EDH-4	165	122	316	32
EDH-5	210	147	358	54
EDH-6	285	187	451	115
EDH-7	285	210	535	156
EDH-8	365	250	650	295

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-2	280	F07	F10	Insert with lock pins	40	40	13468459
On/Off	EDH-3	525	F10	F12	Insert with lock pins	50	45	13468460
On/Off	EDH-4	1090	F12	F14	Insert with lock pins	60	67	13468461
On/Off	EDH-5	1980	F14	F16	Insert with lock pins	80	67	13468462
On/Off	EDH-6	4050	F16	F25	Insert with lock pins	95	113	13468463
On/Off	EDH-7	8100	F16	F25	Insert with lock pins	115	123	13468464
On/Off	EDH-8	16200	F25	F30	Insert with lock pins	153	163	13468465

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.