SERAPID
RIGID CHAIN TECHNOLOGY

QUICK DIE XCHANGE QDX

090-01-EN

Tilting rod clamp **TB90**

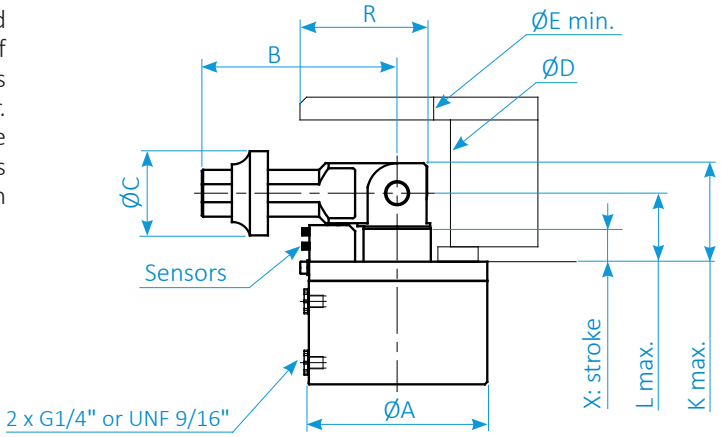
Fixed clamp with 90° tilting rod
60-100 kN | 2 models

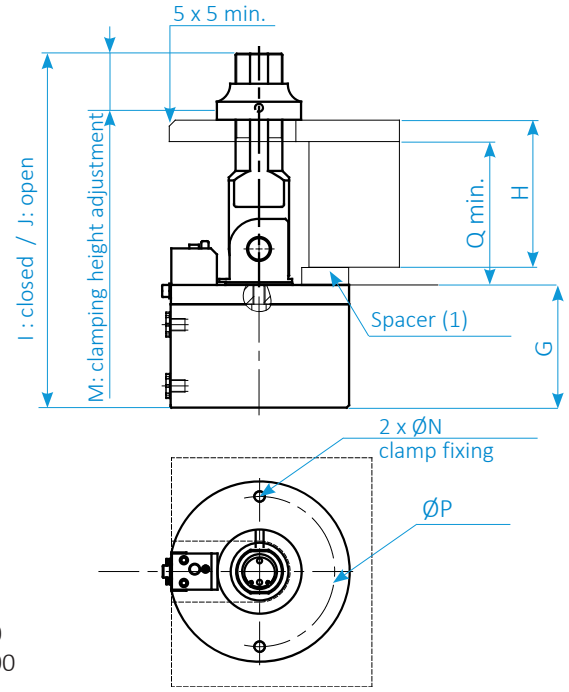
Specifications

- Double-acting, fully automated
- Fully built into the bolster or ram
- The rod tilts 90° after opening and is then in a horizontal position
- The bolster and ram surfaces are completely free
- The clamps tilt into 30 to 40 mm grooves at the front or rear of the die
- 2 inductive sensors for position control
- Working temperature of up to 70 °C

☑static ☐removable ☑bolster ☑ram ☐hydraulic single-acting ☑hydraulic double-acting ☐mechanical ☑automatic

TB 90 tipping clamps are used on bolsters or rams and are fixed to the front or rear of them. When they arrive at the end of the release stroke, the rod tilts. In this position, nothing comes out of the transfer faces, making die change operations easier. When the pressure is released on the release circuit, the return moves back into position, ready for clamping. TB 90s are equipped with 2 inductive sensors allowing the position to be controlled.





Specifications and dimensions

	TB90-60	TB90-100
clamping force (kN)	60	100
weight (kg)	7,5	10
oil volume (cm³)	100	197
max flow rate (l/min)	4	5
max. working pressure (bar)	150	200
A	120	150
B	150	163
C	60	70
D	60	75
E	30	40
G	80	102
(standard) H	80-150	125-160
I	255	297
J	275	322
K	66	82
L	46	57
M	30	40
N	M8	M10
P	104	125
Q	85	100
R	95	100
X	20	25

All dimensions are in millimeters.

Purchase order reference

TB90 - clamping force in kN- Z
Example : TB90-100- G1/4"

(1) Spacer (not included) :
required for H < 120 for TB90-60
required for H < 130 for TB90-100

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