

## Pivot and pull clamp double-acting, max. 150 bar



# HILMA



### Applications:

- ▶ on press beds and rams
- ▶ when the available space is limited

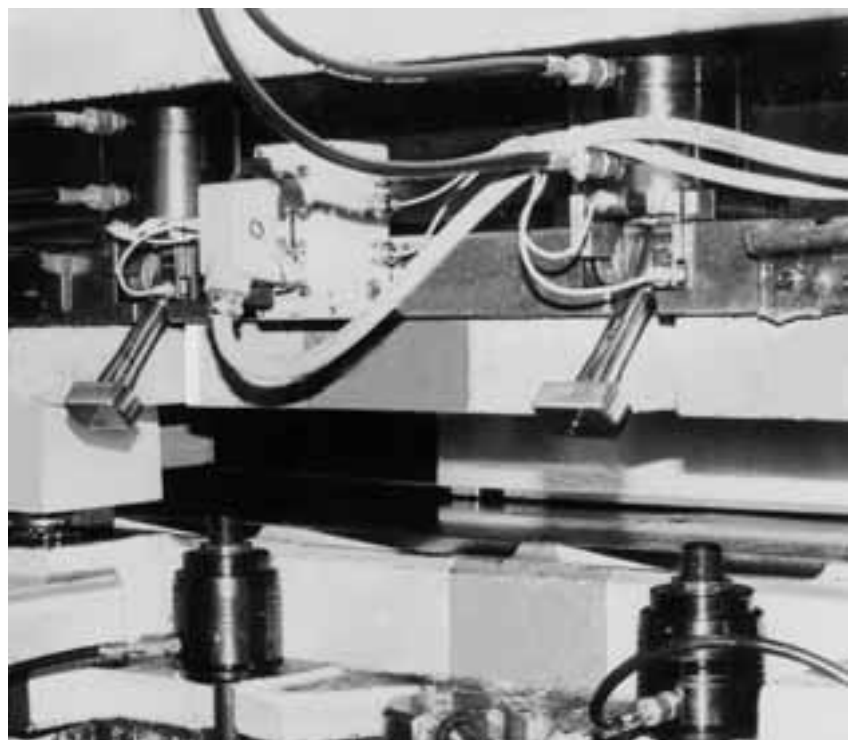
### Function:

A universal joint and a helix convert the stroke of the double-acting piston into a pivot and pull movement of the tie rod. In order to release the die, the tie rod swivels by a maximum of 90° (when installed in the bed) or by 42° (when installed in the slide).

The clamping force is transmitted to the clamping point in the axial direction of the tie rod. The clamping and unclamping positions are monitored by inductive proximity switches.

### Special features:

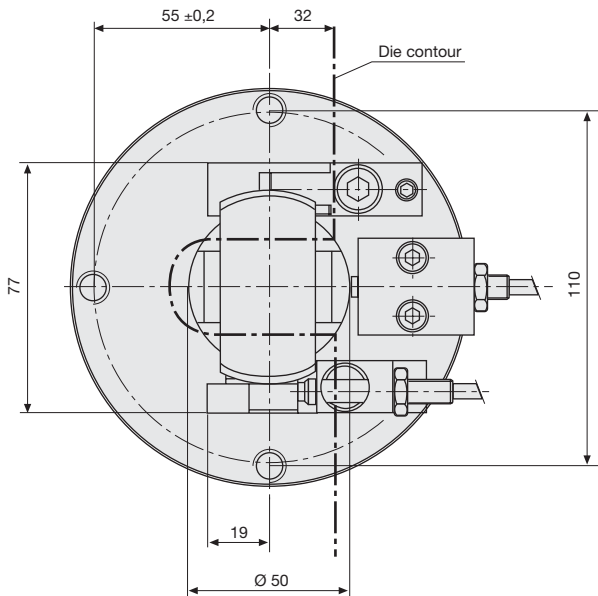
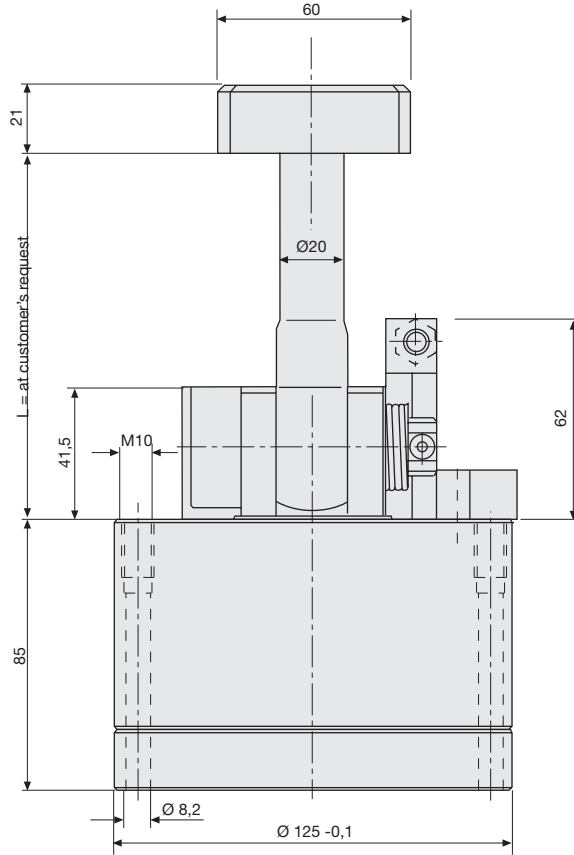
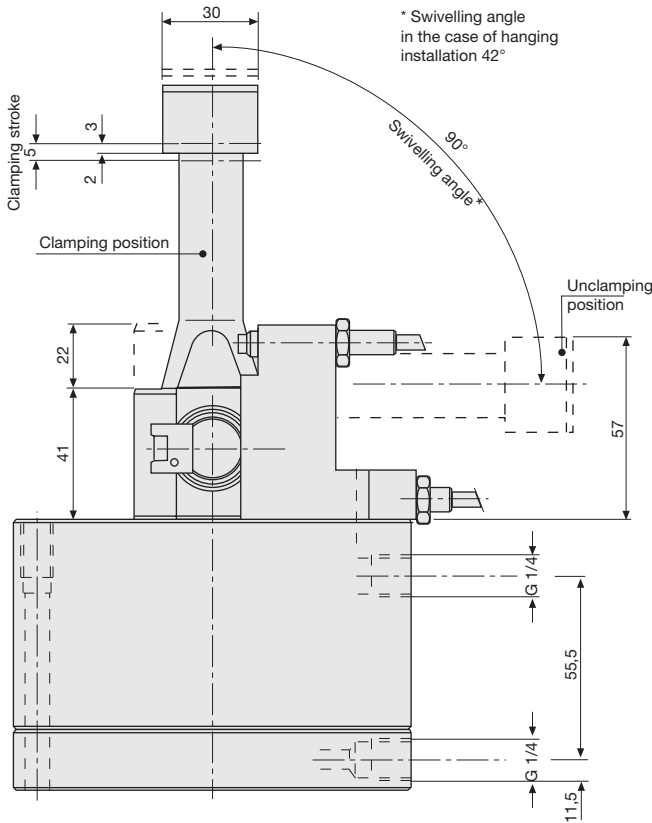
- ▶ 5 mm clamping stroke, therefore high adaptability to different clamping edge heights
- ▶ high functional reliability ensured by position monitoring and an automatic cycle
- ▶ the tie rod can be pivoted, therefore no collision edges when inserting the die
- ▶ optimum utilisation of bed and slide surface
- ▶ easy and rapid installation
- ▶ very suitable for retrofit to press bed and slide





# HILMA

## Pivot and pull clamp double-acting, max. 150 bar



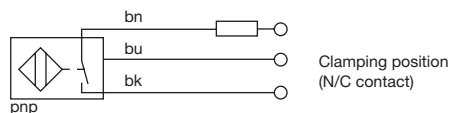
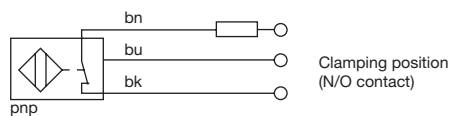
### Position monitoring

Nom. tripping cycle $S_N$	1 mm
Ambient temperature $T_A$	-25° ... +70°C
Operating voltage $U_B$	10 - 30 V DC
Residual ripple/Supply frequency	≤ 15% (SS)
Max. constant current	100 mA
Unit power consumption	≤ 10 mA
Voltage drop $U_D$ at I max.	≤ 1,5 mA
Output resistance $R_A$	4,7 kΩ
Material of housing	corrosion proof steel
Type of connection	2 m PU Flex, firmly connected
Protective system acc. to DIN 40050	IP 67

<b>Clamping force 130 bar (kN)</b>	<b>53</b>
Clamping stroke (mm)	5
Piston stroke (mm)	22
Oil consumption clamp. (cm <sup>3</sup> )	96
Oil consumption uncl. (cm <sup>3</sup> )	18
<b>Part-no.</b>	<b>8.2180.8L = tie rod length</b>

Please advise us of your case of application.

### Initial settings



# 2.2180

03/2006

**Hilma-Römheld GmbH**

Schützenstraße 74 · D-57271 Hilchenbach

Phone +49 (0) 2733 / 281-0 · Fax +49 (0) 2733 / 281-113 · www.hilma.de

Subject to technical modification