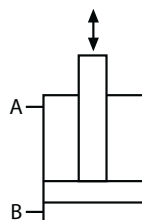


## Pull clamping element with T-slot double-acting



### Applications:

- installation in press rams
- installation in press beds
- integrated in a spacer plate
- when the available space is limited

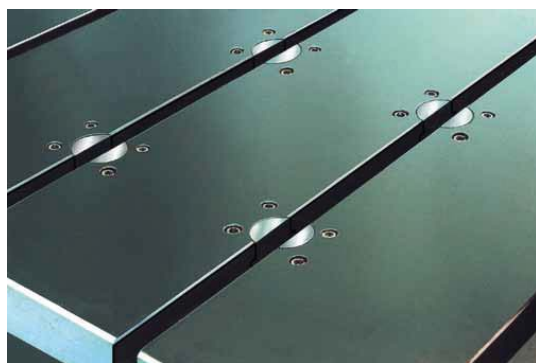
### Function:

The pull clamping element with a T-slot facilitates the standardisation of dies using T-slot bars or T-nuts which are fastened to the die. The hydraulic oil is fed either through the drilled holes in the bed and the ram or through pipes. The tie rod and the piston are hardened and ground, and the hydraulic system is protected against dirt by wiper rings.

### Special features:

- ◆ compact design
- ◆ the bed and ram can also be used for manual clamping
- ◆ ideal power transmission with centrally arranged clamping elements
- ◆ optimum use of bed and ram surfaces

For power units  
please see product group 7



Pull clamping elements with T-slot installed in a press bed

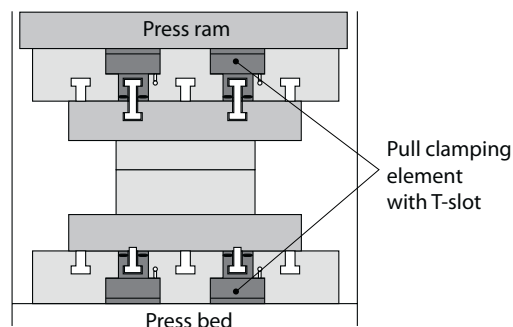
Subject to technical modification

### Example of application:

Die clamping in a press

Ram: Clamping of the upper die using  
double T-slot bars

Bed: Clamping of the lower die using firmly  
mounted T-slot bars



**4.2350**

05/2011



**ROEMHELD**  
HILMA ■ STARK



## Pull clamping element with T-slot double-acting

For T-slot to DIN 650	18	22	28
<b>Clamping force at 400 bar (kN)</b>	<b>55,2</b>	<b>76</b>	<b>144</b>
Clamping force at 100 bar (kN)	13,8	19	36
Piston Ø I (mm)	70	80	105
Piston rod Ø d H7/f7 (mm)	56	63	80
Stroke (mm)	6	6	6
Oil consumption clamping (cm³)	9	12	22
Oil consumption unclamping (cm³)	23	30	52
a (mm)	18	22	28
b (mm)	30	37	46
c (mm)	100	115	150
e (mm)	24	28	32
f (mm)	14	18	22
g (mm)	M8	M10	M12
h (mm)	72	78	78
k (mm)	111	125	135
n (mm)	15,5	19,5	25,5
o ± 0,05 (mm)	42	47,5	62,5
p (mm)	29,7	33,6	44,2
s (mm)	50	56	70
Weight (kg)	4,1	5,8	10
<b>Part no.</b>	<b>2354-050</b>	<b>2355-050</b>	<b>2356-050</b>

Max. operating pressure 400 bar

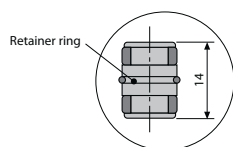
Other sizes and special versions are available on request.

Accessories (for ordering with the clamping element)

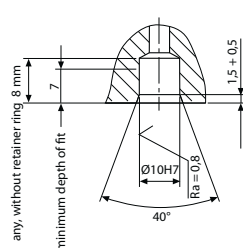
**Plug-in connector for flanged connection**

**Part no. 9210-132**

### Plug-in connector

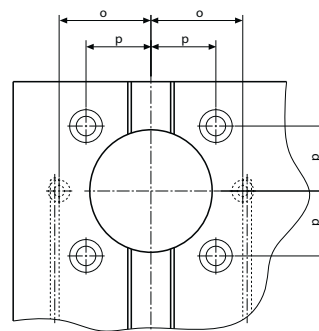
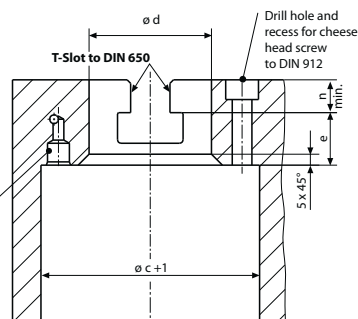


### Accommodation space



Type of drilled connection hole for plug-in connector

### Drilled location hole



### Important information

Make sure that the T-slot of the clamping piston is subject to an axial load only. The T-nut must be in contact over its complete surface. Transverse loads must be avoided. In view of the surface ratio of the pull clamping elements, only check valves having a minimum ratio of 3.5 : 1 may be used for maintaining the clamping force.

Subject to technical modification

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