



## Clamping Nuts, Mechanical with blind hole thread, without clamping force display



### Application

- Clamping and locking of dies on press bed and ram
- When highest clamping force is required in the smallest possible space
- If no hydraulic power unit is available
- Where oil-free clamping is desired

### Description

Following manual positioning of the clamping nut against the clamping edge, the integral planetary gear will be operated by turning the hexagon nut.

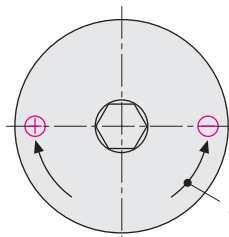
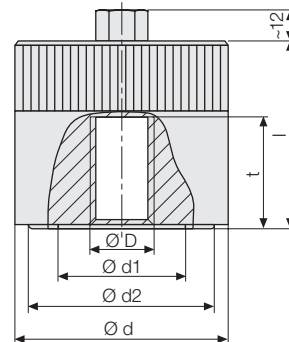
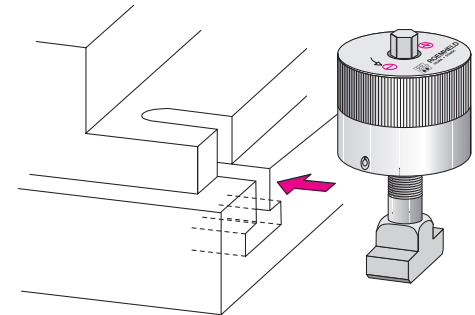
As a result of the gear transmission, the tightening torque is multiplied. To reliably ensure the required clamping force, we recommend using a torque wrench.

Temperature range: -30 °C to +250 °C

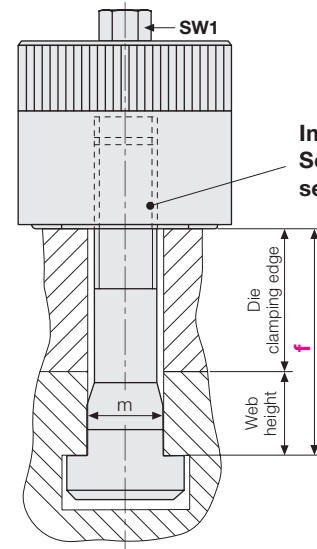
### Advantages

- Temperature resistance up to 250 °C
- High clamping force with low torque
- Easy to retrofit
- Easy clamping and unclamping by hand
- Hydraulic-free and maintenance-free clamping
- Maximum force density in the smallest space

### Application example



Direction arrow  
for clamping and unclamping



**Important!**  
Screw-in depth  
see chart

### Functional dimension "f":

= die clamping edge  
+ web height of T-slot

**please specify when ordering**

### Example of ordering

**2275 820/F80**

Clamping nut, mechanical  
T-slot 22 mm  
Clamping force 60 kN

Functional dimension

"f" = 80 [mm]

**please specify when ordering**

### Technical data

T-slot DIN 650	[mm]	18	22	28	36	42	42
Clamping force	[kN]	60	60	100	150	150	200
Tightening torque	[Nm]	25	30	45	70	75	90
D	[mm]	M 16	M 20	M 24	M 30	M 36	M 36
d	[mm]	62	62	73	83	83	120
d1	[mm]	32	32	42	52	52	82
d2	[mm]	60	60	71	81	81	118
l	[mm]	50	50	70	75	75	80
t	[mm]	24	24	35	40	40	45
SW 1	[mm]	13	13	15	17	17	19
Min. screw-in depth	[mm]	16	16	25	30	30	35
Max. screw-in depth	[mm]	24	24	35	40	40	45
<b>Clamping nut with T-bolt</b>							
Weight, approx.	[kg]	2.0	2.1	3.2	5.5	6.5	6.5
Part no.		<b>2275816</b>	<b>2275820</b>	<b>2276824</b>	<b>2277830</b>	<b>2277836</b>	<b>2278836</b>
<b>Clamping nut without T-bolt</b>							
Weight, approx.	[kg]	0.9	0.85	1.7	2.2	2.1	4.6
Part no.		<b>2275716</b>	<b>2275720</b>	<b>2276724</b>	<b>2277730</b>	<b>2277736</b>	<b>2278736</b>

\* Additional sizes as well as variations in the thread sizes and T-slot dimensions are available on request.