



Clamping nut

T-slot adapter



Planetary gear inside the clamping nut for clamping force multiplication

Applications:

- ▶ for clamping and locking dies on press beds and rams
- ▶ on beds of machine tools
- ▶ when the available space is limited

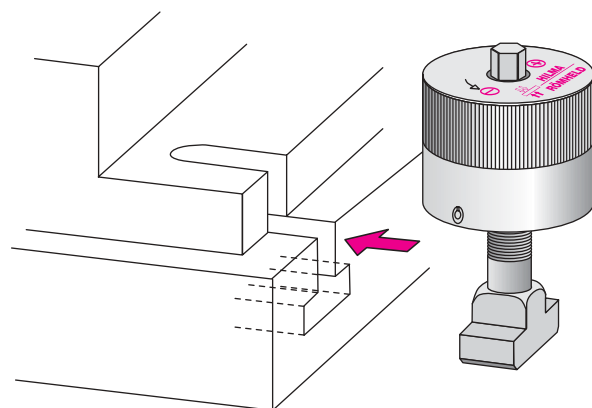
Function:

Following manual positioning of the clamping nut against the clamping edge, the integral planetary gear is brought into action by turning the hexagon nut. As a result of the gear transmission, the tightening torque is multiplied. In order to reliably ensure the required clamping force, we recommend that a torque wrench is used.

Special features:

- ▶ Suitable for retrofit
- ▶ Compact design allows for multiple clamping
- ▶ Intensification of clamping force possible in case of multiple clamping
- ▶ High clamping force with low torque
- ▶ Compensates for large clamping edge tolerances
- ▶ Easy manual clamping and unclamping

Example of application

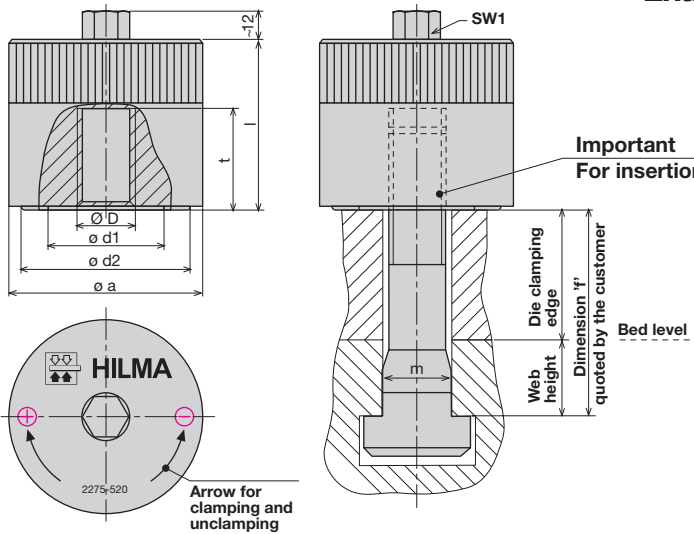


Clamping nut, mechanical with integral planetary gear



HILMA

Example of ordering: **2275-620/ 80**



Clamping nut, mechanical
T-slot: 22 mm
Clamping force: 50 kN

Functional dimension
'f' = 80 (mm)
to be quoted in the order

Important
For insertion depth, see table

Functional dimension 'f':

die clamping edge
+ web height of T-slot
+ 4 mm
= dimension 'f'

Clamping nut with T-slot adapter

Part no.	T-slot DIN 650	Clamping force (kN)	Tightening torque (Nm)	D	Dimensions in mm						Insertion depth		Weight ca. (kg)
					a	d1	d2	l	t	SW1	min.	max.	
2275-616	18	50	25	M16	69	38	60	65	33	15	24	33	2,0
2275-620	22	50	30	M20	69	38	60	65	33	15	24	33	2,1
2276-624	28	80	50	M24	80	48	70	70	35	17	25	35	3,2
2277-630	36	120	80	M30	95	60	85	75	40	17	25	40	5,5
2277-636	42	120	90	M36	95	60	85	75	40	17	25	40	6,5
2278-636	42	160	125	M36	120	80	110	80	45	19	30	45	6,5

Clamping nut (separately supplied)

Part no.		Clamping force (kN)	Tightening torque (Nm)	D	Dimensions in mm						Insertion depth		Weight ca. (kg)
					a	d1	d2	l	t	SW1	min.	max.	
2275-516		50	25	M16	69	38	60	65	33	15	24	33	0,8
2275-520		50	30	M20	69	38	60	65	33	15	24	33	1,5
2276-524		80	50	M24	80	48	70	70	35	17	25	35	2,0
2277-530		120	80	M30	95	60	85	75	40	17	25	40	3,0
2277-536		120	90	M36	95	60	85	75	40	17	25	40	3,0
2278-536		160	125	M36	120	80	110	80	45	19	30	45	5,0

Other sizes and threads (e.g. inch) are available on request.

Accessories:

Torque wrench 20 - 100 Nm
Part no. 9.3792.6610

Torque wrench 40 - 200 Nm
Part no. 9.3792.6620

