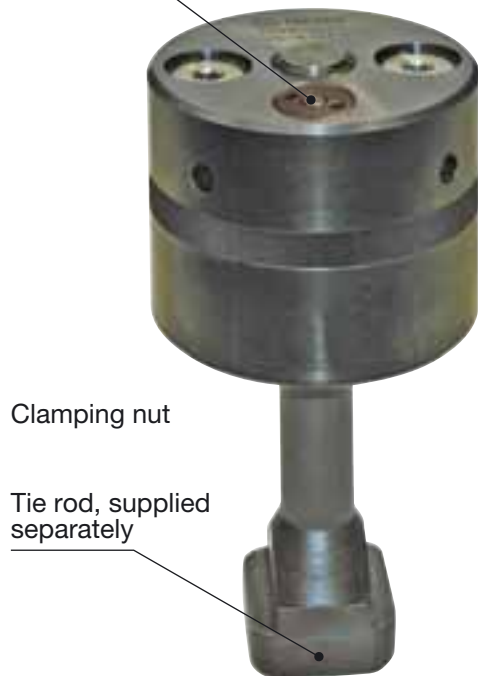


Clamping nut, hydro-mechanical maximum power density in the smallest space



HILMA

Clamping force indicator pin
(option)



Applications:

- ▶ for clamping and locking dies on press beds and rams
- ▶ on beds of machine tools
- ▶ when maximum clamping force is required in the smallest space
- ▶ when no power unit is available

Function:

Following manual positioning of the clamping nut against the clamping edge, the integral hydraulic cushion is preloaded by turning the hexagon socket. A low torque is translated into a high clamping force.

In the case of versions without clamping force control, use a torque wrench to ensure safe and defined build-up of the clamping force. In the case of versions with clamping force control, the clamping force indicator pin will project by approx. 2.5 mm when the clamping force is reached.

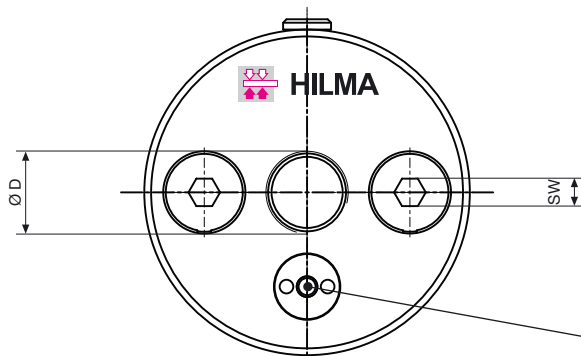
Special features:

- ▶ Clamping nut with a through thread, which means high adaptability to varying heights of clamping edges and tolerances.
- ▶ Safe clamping using the clamping force indicator pin (option)
- ▶ No need for adaptation of the tie rod length
- ▶ Suitable for retrofit
- ▶ Intensification of clamping force possible in the case of multiple clamping
- ▶ High clamping force with low torque
- ▶ Easy manual clamping and unclamping

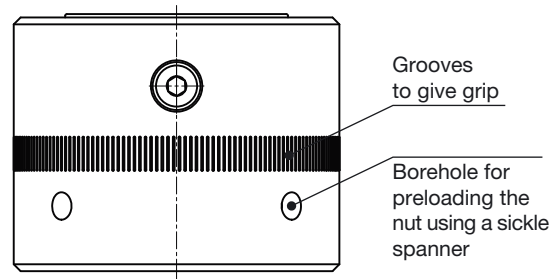
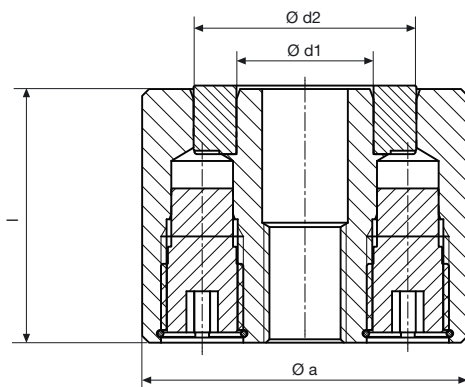


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Clamping nut, hydro-mechanical maximum power density in the smallest space



Clamping force indicator pin (option)
Upon reaching of the nominal clamping force the indicator pin will project by 2.5 mm



Clamping nut, supplied separately

Clamping force (kN)		without clamping force display			with clamping force display**		
		60	100	150	60	100	150
Max. stroke*	(mm)	2	2	2	2	2	2
Tightening torque	(Nm)	7,5	30,0	-	7,5	30,0	-
D		M 20	M 24	M 30	M 20	M 24	M 30
a	(mm)	70	95	112	70	95	112
d1	(mm)	30	40	50	30	40	50
d2	(mm)	50	65	80	50	65	80
SW	(mm)	8	8	10	8	8	10
l	(mm)	71	75	90	71	75	90
Weight	(kg)	2,0	3,7	6,1	2,0	3,7	6,1
Part no.		8.2275.0001	8.2276.0001	8.2277.0001	8.2275.0002	8.2276.0002	8.2277.0002

*Stroke at maximum adjustment of pressure screws. Preload the nut using a sickle spanner before operating the pressure screws.

** Supplied including Allen key, no torque wrench is required.

Permissible temperature variation: $\pm 20^{\circ}\text{C}$

T-slot adapter, supplied separately

For T-slot (mm)	22	28	36
Thread	M 20	M 24	M 30
Length (mm)	200	250	250
Property class	8.8	8.8	8.8
Part no.	5700023	5700024	5700048

6.2276

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Subject to technical modification