

Example order

Clamping nut **MKD 100 - M 24**
 incl. T-bolt **MKD 100 - 28 - 82**
 Type _____
 T-slot size according to DIN 650 _____
 L_{SP} _____

L_{SP} = Nominal clamping dimension [mm]
 (Custom designs available on request)

Technical specifications are subject to change without notice.

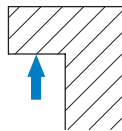
Typ	Spannkraft (kN)	max. Anziehdrehmoment (Nm)	max. Belastungskraft ¹⁾ (kN)	Gewicht ca. (Kg)	T-Nut M	L _{SP}		A	B	ØD	ØE	ØF	G*	P	T _{min.}	SW 1	SW 2
						min	max										
MKD 100	100	55	130	2,9	18	18	220	77	12	84	48	82	M12	26,5	30	17	8
		60	200	2,9	22	22	285						M16				
		65	200	2,8	28	28	370						M20				
		70	200	2,8	36	36	470						M30				
MKD 150	150	100	300	5	36	36	450	91,5	12	105	63	103	M30	35	50	17	8
		110	400	4,9	42	42	550						M36				
		115	450	4,8	48	48	350						M42				
		125	450	4,7	54	54	450						M48				
MKD 200	200	150	500	11,8	54	54	440	90	15	190	68	188	M48	77	60	17	-
		165	500	11,5	-	-	-						M56				
		180	500	11,2	-	-	-						M56				

* T-bolt strength classes up to M24 minimum Q 10.9, from M30 Q 8.8 (additional thread sizes available on request)

Application area

- For all types of presses
- For various die sizes and clamping dimensions
- For clamping upper and lower dies
- For dies with U-recess
- For applications in the construction of jigs and fixtures

Mode of operation



- The clamping nut is pushed manually into the U-recess of the die and the T-slot on the machine.
- The clamping nut is then adjusted manually to the required clamping dimension.
- The required clamping force is created by turning the operating hexagon (SW1) clockwise with a wrench. A wedge clamp system provides a multiple torque increase.
- Unclamping occurs by turning the operating hexagon counter-clockwise.

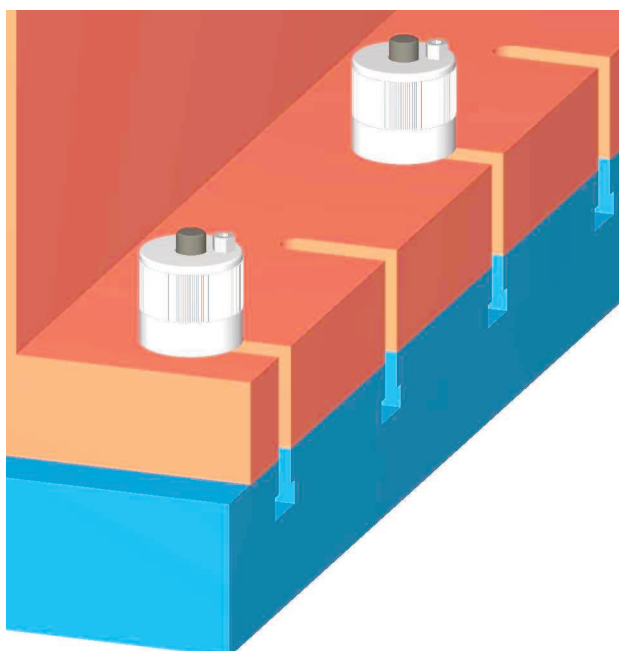
Description

The transmission ratio provides multiple torque amplification which is then transmitted to the nut via the pinion gears.

The rotation of the nut causes the clamping stroke for the screwed-in T-bolt. The clamping force is safely applied, fully independently of operating torque and the spring stiffness of the entire system.

The clamping and operating forces are supported by axial bearings and a pressure plate directly to the machine bed or slide or the fixture. This clamping mechanism guarantees self-locking in all clamping positions.

The line MKD is designed with a threaded trough bore and a lateral hexagon.



Advantages

- Infinitely variable adaptation to various die sizes
- Large clamping dimension tolerance
- Corrosion protected
- Highest level of clamping force with manual operation
- Mechanically self-locking
- Suitable for retrofitting
- Maintenance free
- Easy installation
- Versatile
- Temperature range up to 400°C

Accessories

- T-bolts

Note

We recommend the use of a torque wrench in order to reliably guarantee the required clamping force and to protect the clamping mechanism from damage by excessively high torque. Under certain conditions, the use of a standard socket wrench, ring spanner or racking end wrench may be acceptable for clamping.

The required stroke is to be considered when adjusting the actual thread reach for the T-bolts, e.g. the max. given thread reach "Tmax" must be reduced at least by the amount of the stroke. The clamping nuts are provided with min/max markings on the housing in order to aid visual inspection of the thread position.

It must be ensured that the screwed-in T-bolts are tight, i.e. cannot turn with the clamp unit.