

Type: Machine vice

View
on-line:

NCS



System:

Accurate position clamping with a clamping slider against a fixed jaw.

Versions:

NCS 125 M-HD

Mechanical-hydraulic power transmission up to 40 kN.

NCS 125 HD

hydraulic version via external hydraulic power unit up to 35 kN.

NCA 125 M-HD/HD

Version for vertical use, direct mounting on the machine table

NCS-ZA 125 M-HD

with tie-rod system and mechanical-hydraulic power transmission up to 25 kN.

NCS is our best-seller! Versatile and cost-efficient

Customisable

Groove and thread
for false jaws
and grip bars

Stand-alone

Flexible - suitable for every ma-
chine table, with clamping insert
and tenon blocks (optional) ready
to go

Optimum positioning

Traverse groove for alignment

Quick pre-configuring


Shot pin for fast pre-positioning of different workpiece sizes

Impressive advantages:

- ▣ Repeat accuracy ≤ 0.01 mm
- ▣ Fixed jaws secured on all levels (X,Y,Z)
- ▣ Vertical use directly on the machine table optionally as NCA
- ▣ Large clamping range due to stepped jaw attachments
- ▣ Basic equipment: 2 reversible screw-in jaws and 1 hand crank
- ▣ Laterally tiltable, with mounting holes for a groove of 63 mm and 100 mm (for a bed length of 470 mm – otherwise optional)

Suitable accessories you can find starting from page 96

ON REQUEST:


Bed length up to 1,200 mm

Multi-clamping

Usage of changeover sliders enable more workpieces to be clamped. No tools required for assembly

Optional: Saves time

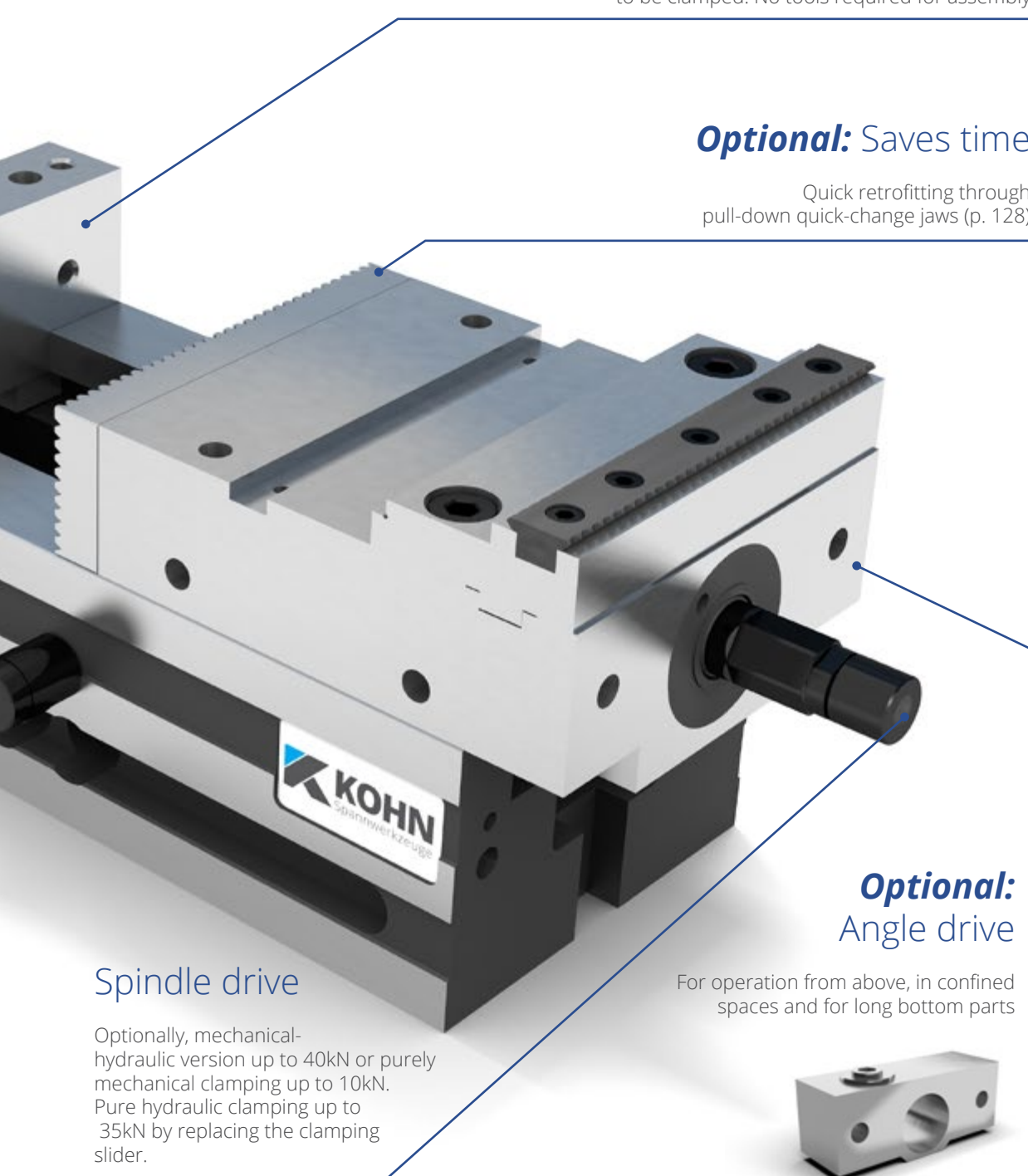
Quick retrofitting through pull-down quick-change jaws (p. 128)

Optional: Angle drive

For operation from above, in confined spaces and for long bottom parts

Spindle drive

Optionally, mechanical-hydraulic version up to 40kN or purely mechanical clamping up to 10kN. Pure hydraulic clamping up to 35kN by replacing the clamping slider.

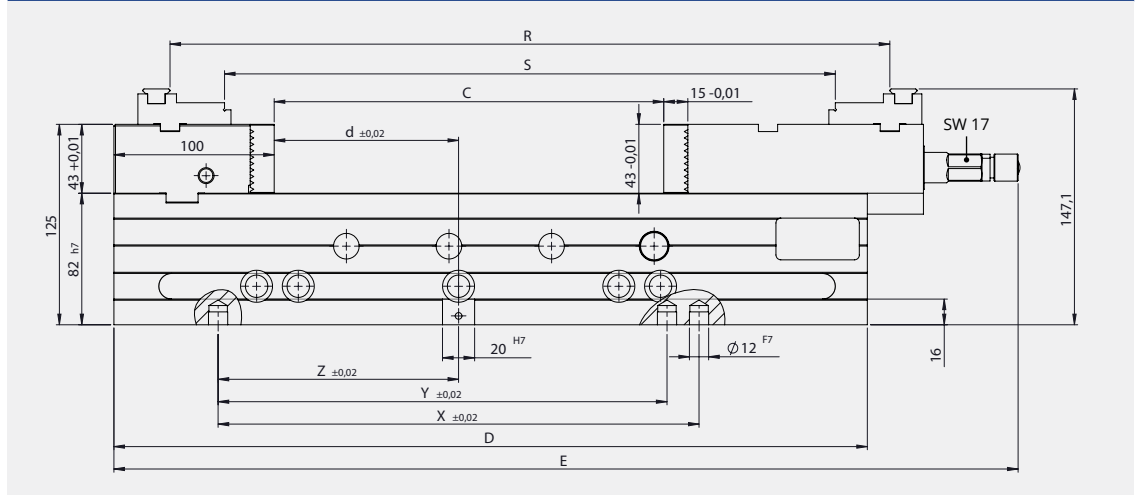




NCS 125 M-HD

Manual or mechanical-hydraulic – clamping up to 1,200 mm of bed length

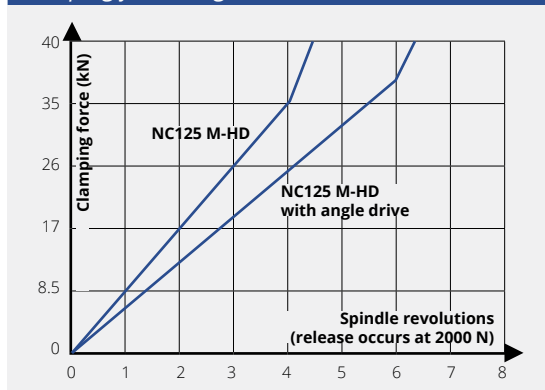
Technical drawing



Technical specifications

Order No.	09522	09523	09524	09525	09526	09527	09528	09529	Optionally	
without jaws	000100	000100	000100	000100	000100	000100	000100	000100		
Jaw width/ Total width	125/127									
Bed length	D	470	534	598	662	726	790	854	918	max. 1,200
Overall length	E	564	628	692	756	820	884	948	1012	
	d	115	167	199	231	263	295	327	359	
	X	300	400	500	500	500	500	500	500	
	Y	280	-	480	480	480	480	480	480	
	Z	150	200	250	250	250	250	250	250	
Span	C	0-239	0-303	0-367	0-431	0-495	0-559	0-623	0-687	
Span	R	131-445	131-509	131-573	131-637	131-701	131-765	131-829	131-893	
Span	S	63-377	63-441	63-505	63-569	63-633	63-697	63-761	63-825	
Weight	kg	37.6	41.7	45.1	48.5	51.9	55.3	58.7	62.1	

Clamping force diagram



Suitable accessories you can find starting from page 96



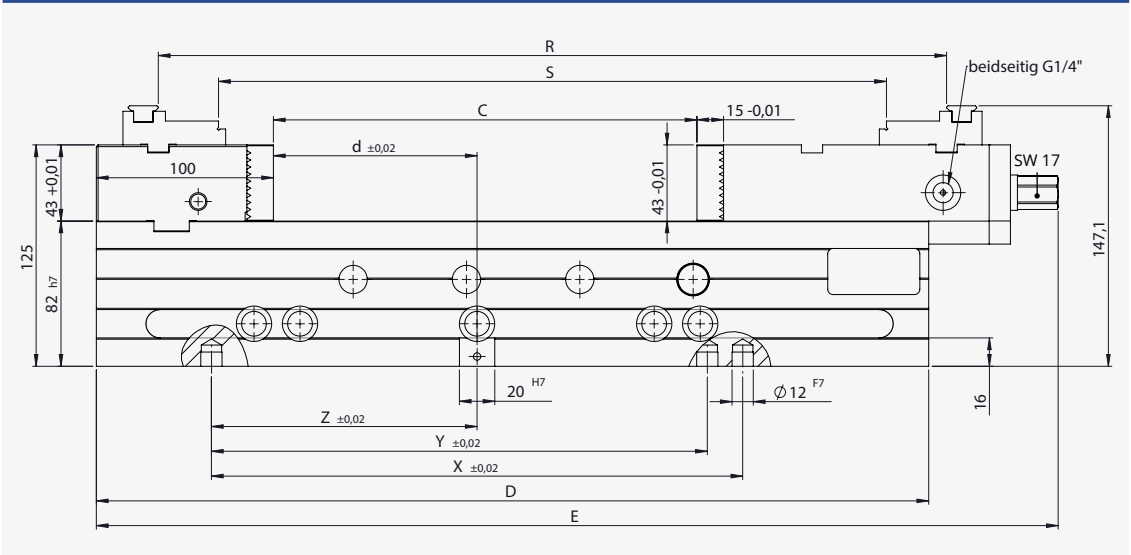
NCS 125/990 M-HD as the double vice of special central jaws and the second clamping jaw slide



NCS 125 HD

Hydraulic clamping – for your mass production

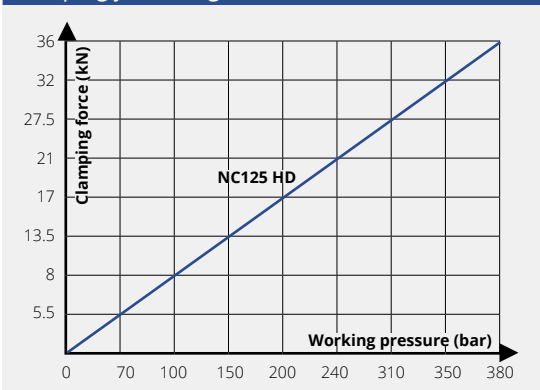
Technical drawing



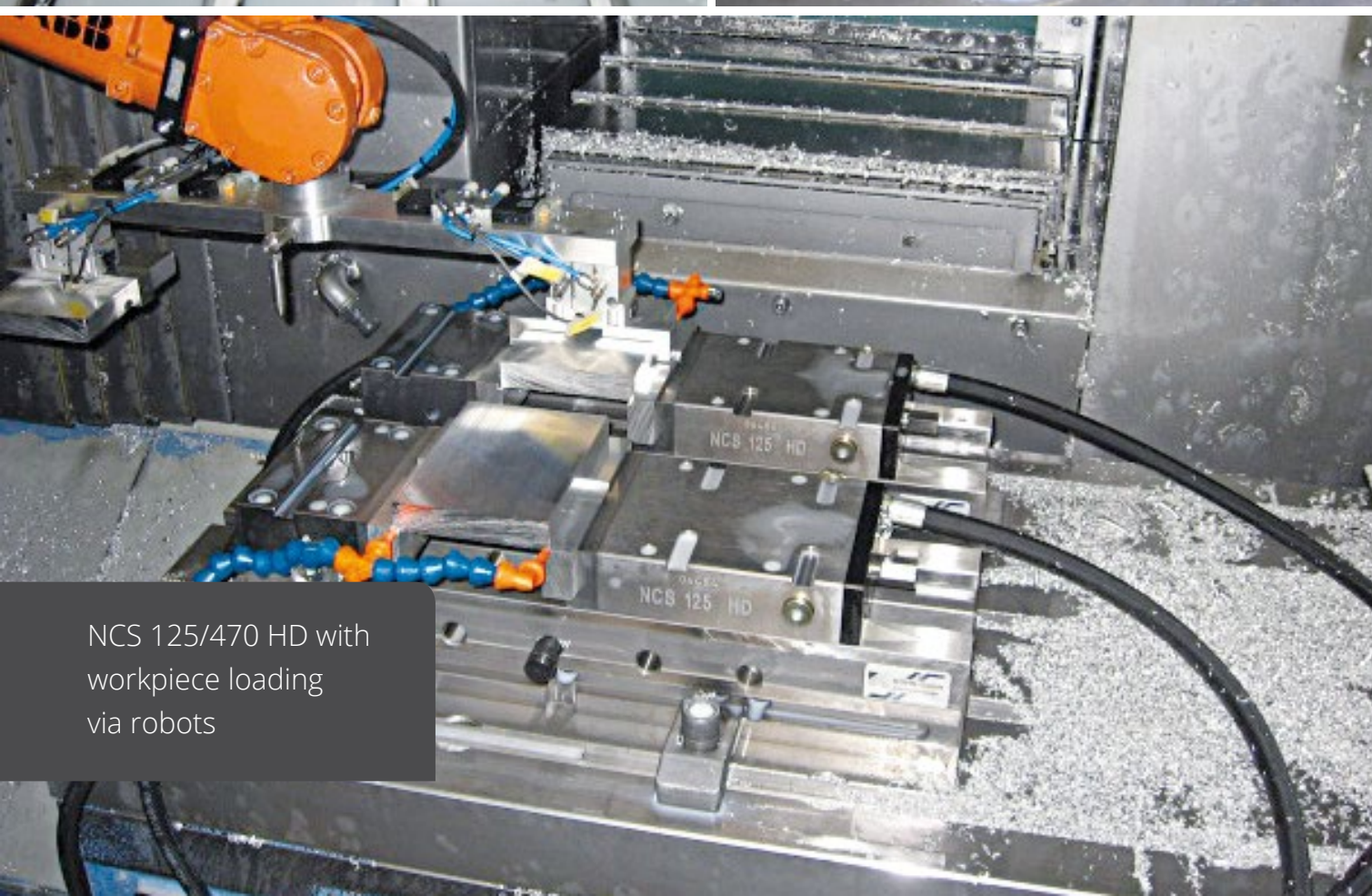
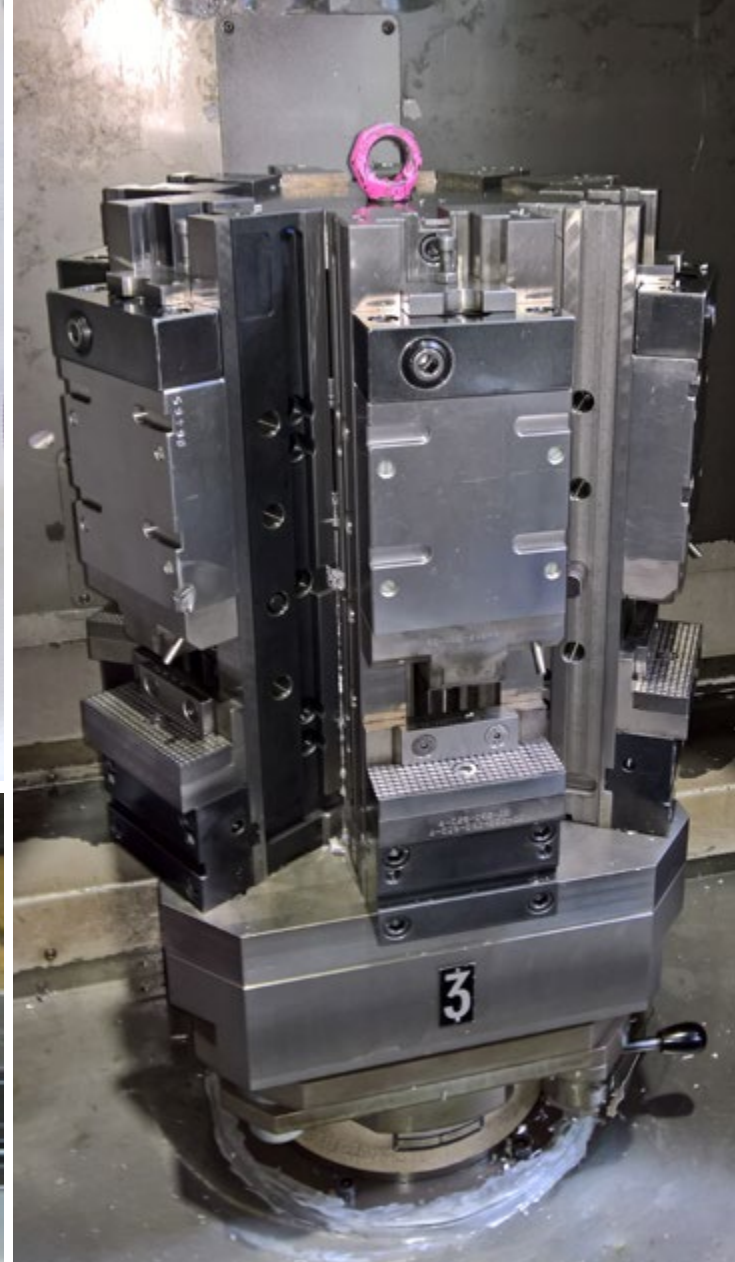
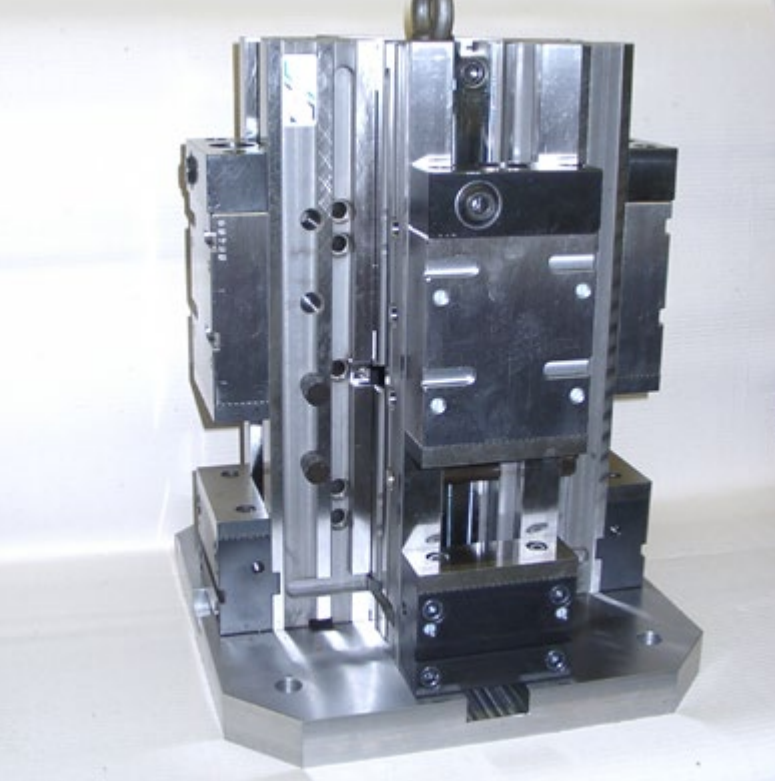
Technical specifications

Order No.	09532	09533	09534	09535	09536	09537	09538	09539	Optionally	
without jaws	09532 000100	09533 000100	09534 000100	09535 000100	09536 000100	09537 000100	09538 000100	09539 000100		
Jaw width/ Total width	125/127									
Bed length	D	470	534	598	662	726	790	854	918	max. 1,200
Overall length	E	542	606	670	734	798	862	926	990	
	d	115	167	199	231	263	295	327	359	
	X	300	400	500	500	500	500	500	500	
	Y	280	-	480	480	480	480	480	480	
	Z	150	200	250	250	250	250	250	250	
Span	C	0-239	0-303	0-367	0-431	0-495	0-559	0-623	0-687	
Span	R	131-445	131-509	131-573	131-637	131-701	131-765	131-829	131-893	
Span	S	63-377	63-441	63-505	63-569	63-633	63-697	63-761	63-825	
Weight	kg	37.7	41.1	45.2	48.6	52	55.4	58.8	62.2	

Clamping force diagram



Suitable accessories you can find starting from page 96



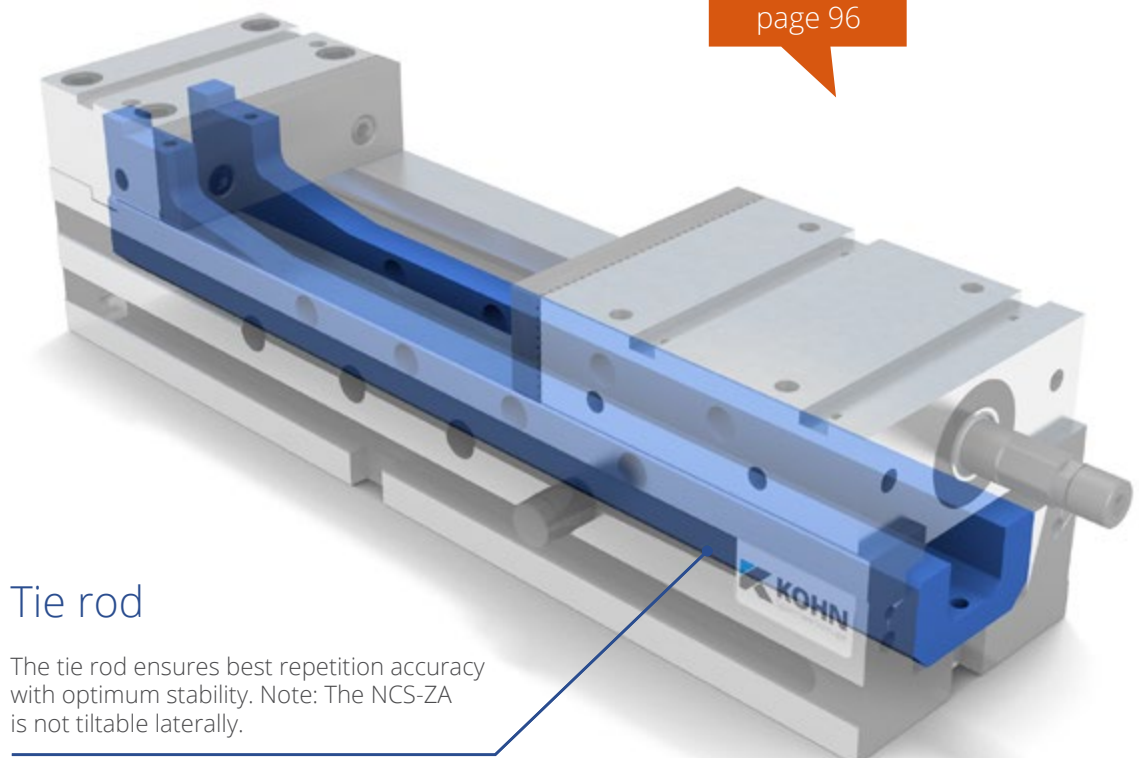
NCS 125/470 HD with workpiece loading via robots



NCS-ZA 125 M-HD

Highest repeating accuracy and precision due to tie rod system

Suitable accessories you can find starting from page 96



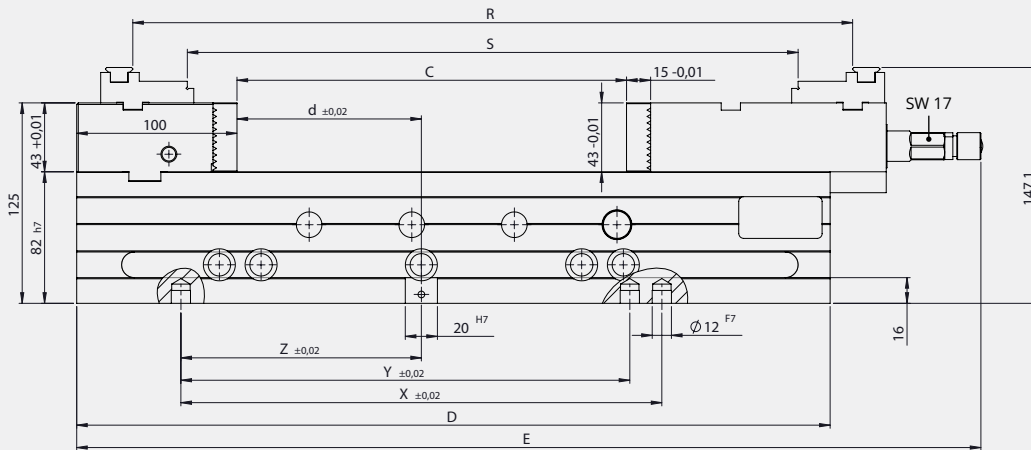
Tie rod

The tie rod ensures best repetition accuracy with optimum stability. Note: The NCS-ZA is not tiltable laterally.

Impressive advantages:

- At full tension, the fixed jaw of the clamping slider is only deflected in the μ range. This substantially prevents misalignment of the fixed jaw and thereby the workpiece.
- The tie rod allows for use with zero-point clamping systems. It transmits the clamping force directly to the jaw, with almost no load on the bottom part. This ensures that precision components can be produced.
- The use of pull-down quick-change jaws extends the range of applications of the vice. It is even possible to compensate for existing angular misalignment of the workpieces.

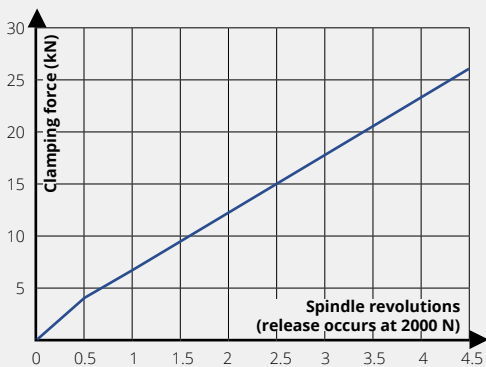
Technical drawing



Technical specifications

Order No.		09522ZA	09523ZA	09524ZA	09525ZA	09526ZA
Jaw width/ Total width				125/127		
Bed length	D	470	534	598	662	726
Overall length	E	564	628	692	756	820
	d	115	167	199	231	263
	X	300	400	500	500	500
	Y	280	-	480	480	480
	Z	150	200	250	250	250
Span	C	0-239	0-303	0-367	0-431	0-495
Span	R	131-445	131-509	131-573	131-637	131-701
Span	S	63-377	63-441	63-505	63-569	63-633
Weight	kg	39.7	43.2	46.7	50.2	53.7

Clamping force diagram



Mode of operation

