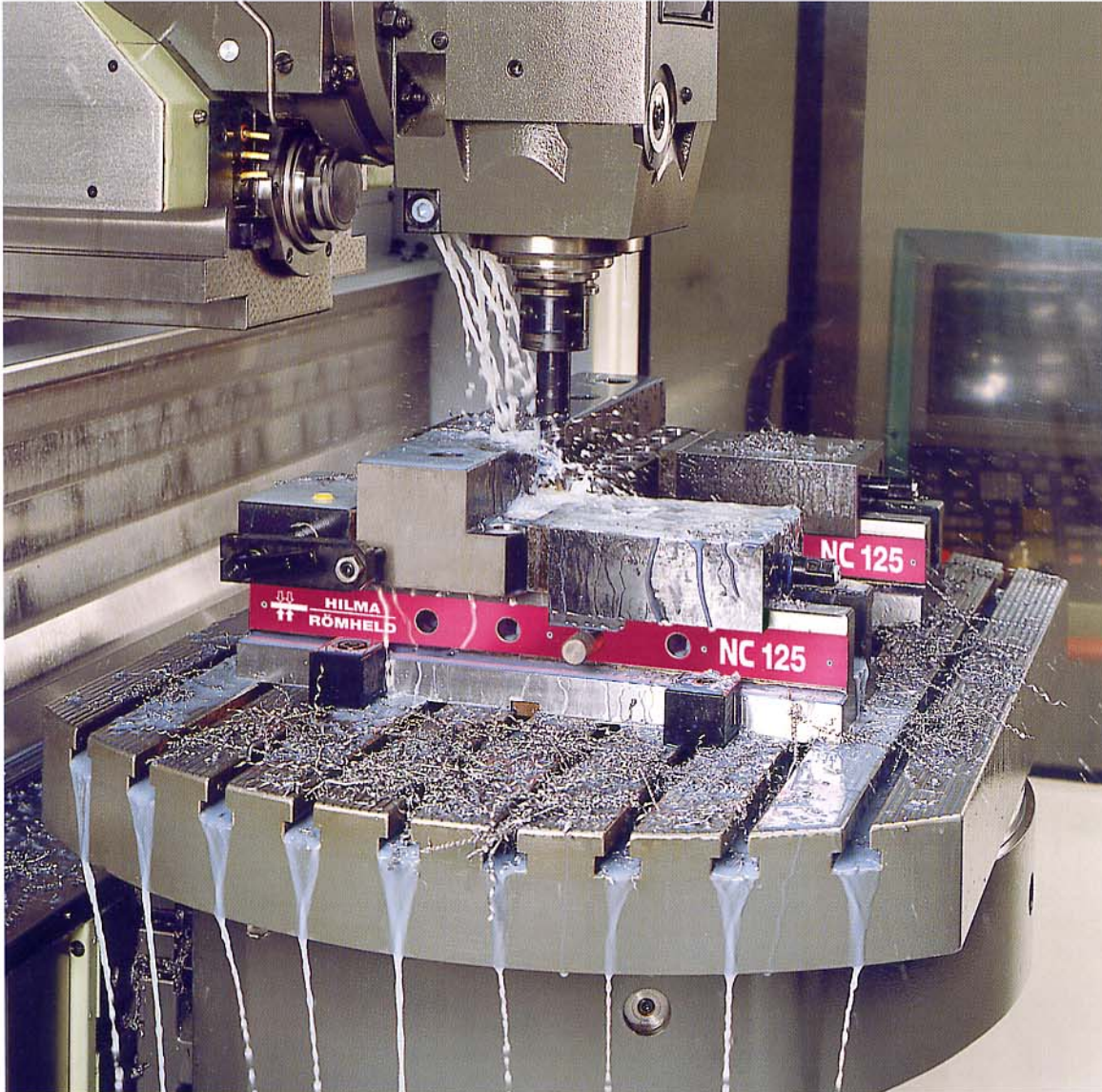




## NC Machine vices, mechanical-hydraulic



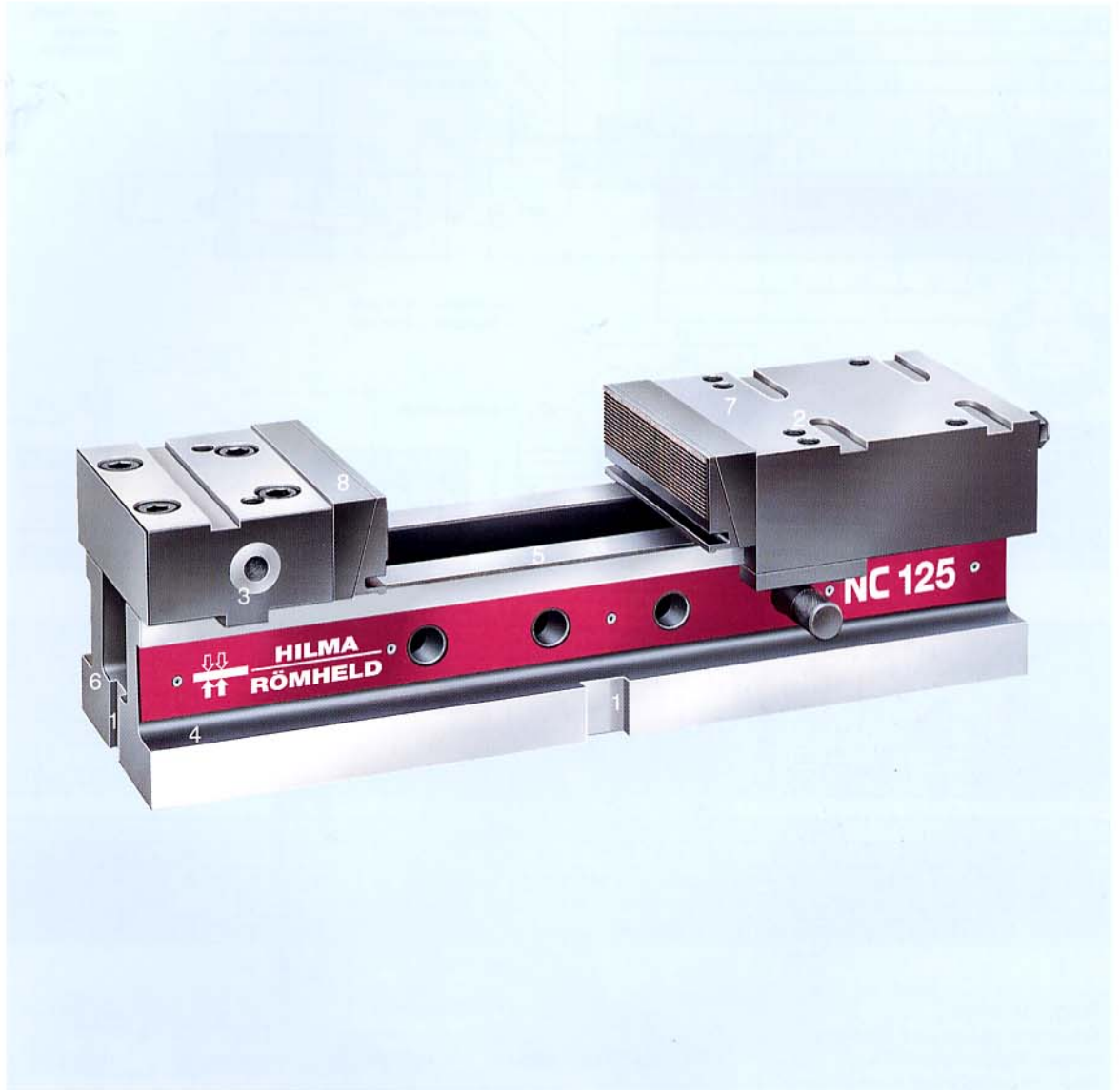
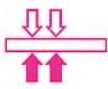
NC machine vices are a logical further development of our well-proven standard vices, especially recommended for use in vertical machining centres.

The NC vices can be exactly positioned on all machine beds provided with keyways. Extra-large clamping ranges which are achieved using step jaw inserts ensure optimum utilisation of the machine travel.

Mechanical-hydraulic system: the clamping force is progressively built up to the maximum value using the crank handle.

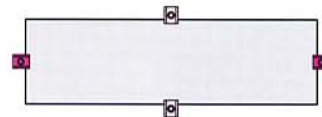


- ◆ For die and mould making, for the construction of jigs and fixtures as well as for normal production
- ◆ Rapid and safe fastening using clamping claws
- ◆ Keyways in longitudinal direction and across the length for quick and precise positioning
- ◆ Keyways and threaded holes on slide and fixed jaw for an extension of the clamping range
- ◆ Can be combined with the Q.I.S. jaw insert system (optional extra, see catalogue group 10)
- ◆ Easy maintenance

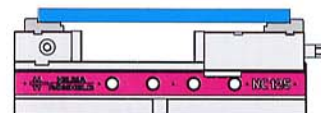


1. Standard keyways in longitudinal direction and across the length for quick positioning
2. Keyways and threaded holes on slide and fixed jaw for accommodating standard jaws or special jaws when the clamping range is to be extended
3. Mounting holes for workpiece stops provided on either side
4. Clamping edge for clamping claws
5. Guideways inductively hardened and ground
6. Extreme resistance to deformation ensured by optimised base section and new design of the fixed jaw
7. Mounting holes for extra-high jaw inserts
8. Q.I.S. jaw insert system as optional extra

Additional features of the standard-type NC machine vice:

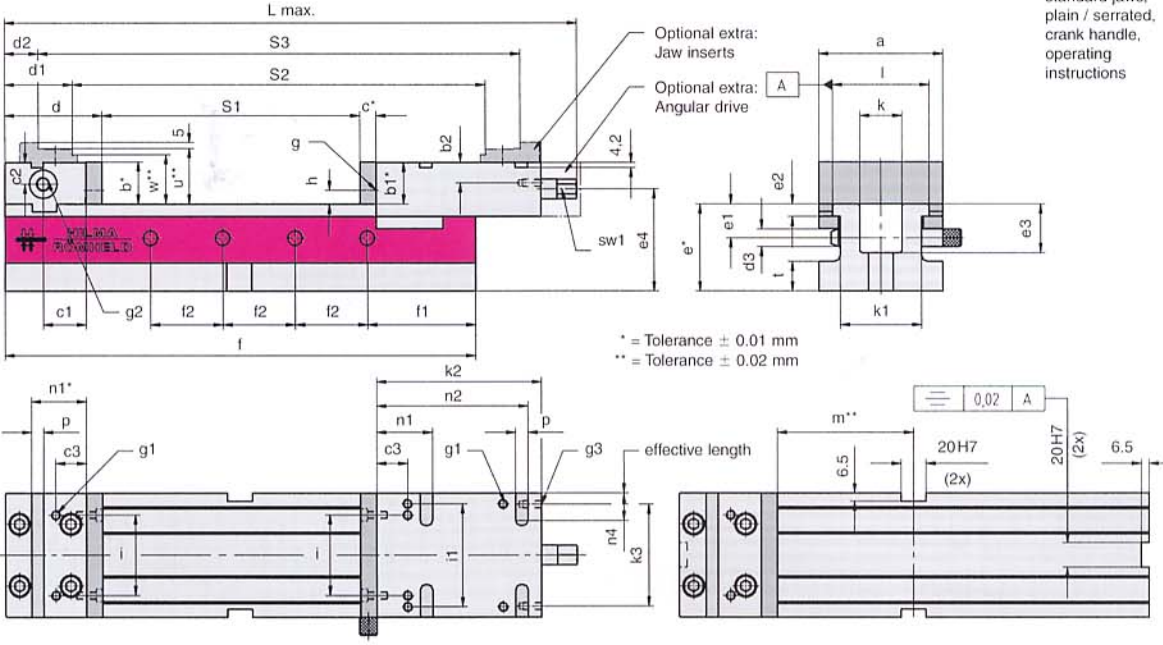


4 keyways 20H7 for exact positioning of clamping elements in length- or crosswise direction using key blocks according to DIN 6323.



Keyways and threaded holes on slide and fixed jaw for accommodating standard jaws or special jaws when the clamping range is to be extended.

**Technical data**



Scope of supply:  
reversible  
standard jaws,  
plain / serrated,  
crank handle,  
operating  
instructions

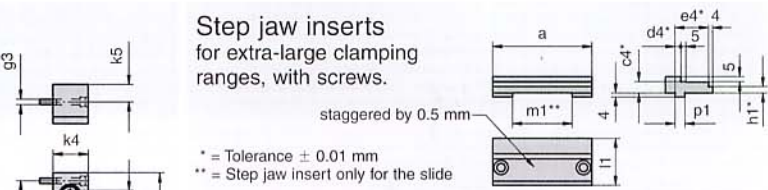
Part no.	Type	Jaw width	Clamp- ing force kN	Effort on the crank Crank throw N	Clamping width			Overall length mm	Weight kg	
		a mm			S1 mm	S2 mm	S3 mm			
9.3072.0203	NC100	100	25	50	80	205	330	386	464	18.5
9.3073.0203	NC125	125	40	75	100	225	363	431	526	31.5
9.3074.0203	NC160	160	50	95	125	309	503	573	684	58.5

Dimensions in mm														
a	b	b1	b2	c	c1	c2	c3	d	d1	d2	d3	e	e1	e2
100	34	33.5	16.5	13	35	17.5	25	80	56	28	12	70	27	10
125	45	44	22	15	36	23	30	100	69	35	16	82	33	13
160	54	53	28	18	50	27	45	120	72	37	20	95	38	15

Dimensions in mm																											
Part no.	Type	e3	e4	f	f1	f2	g	g1	g2	g3	h	i	i1	k	k1	k2	k3	l	m	n1	n2	n4	p	sw1	t	u	w
9.3072.0203	NC100	39	82	380	87	58	M 6x8	M 8x12	M12x18	M 6x11	11	65	83	34	65.5	133	82	78g6	110	45	122	22	10H7	14	24	45	40
9.3073.0203	NC125	49	98	430	105	60	M 8x10	M 10x13	M12x18	M10x14	14	80	104	45	84.5	147	96	98g6	115	56	132	31	12H7	17	27	58	53
9.3074.0203	NC160	57	115	550	120	80	M10x11	M 12x16	M20x27	M10x14	17	100	130	60	104.5	189	126	125g6	155	73	171	37	18H7	19	27	70	65

**Angular drive**  
with crank handle and fastening  
screws. Maintenance-free.  
Recommended when normal operation  
is difficult or even impossible.  
Ideal for retrofit.

Part no.	for type	Dimensions in mm					Weight kg
		a	g3	k3	k4	k5	
9.3294.0505	NC 100	100	M 6	82	39	19.5	1.6
9.3294.0605	NC 125	125	M10	96	43	23	2.3
9.3294.0705	NC 160	160	M10	126	46	29	3.4

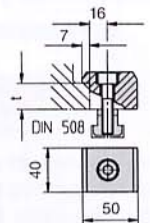


**Step jaw inserts**  
for extra-large clamping  
ranges, with screws.

for fixed jaw		for slide		Dimensions in mm										
Part no.	Part no.	a	c4	d4	e4	h1	l1	m1	p1					
9.3284.0201	9.3284.1201	100	11.5	6	34	6.5	48	60	10h6					
9.3284.0301	9.3284.1301	125	14	6	40	9	58	65	12h6					
9.3284.0401	9.3284.1401	160	17	8	43	12	64	88	18h6					

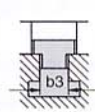
**Set of clamping claws,**  
with screws  
For safe fastening on the machine bed.

Part no. for a set of 4	Keyway mm	t mm	Screw
9.3777.2011	14	24	M 12 x 45 DIN 912
9.3777.3011	14	27	M 12 x 45 DIN 912
9.3777.3021	18	27	M 16 x 50 DIN 912



**Set of key blocks DIN 6323**  
(2 blocks = 1 set)

Part no.	Keyway b3 in the bed
9.3917.4121	14h6
9.3917.4141	18h6



For exact adjustment of  
the universal NC machine  
vice, the key blocks are  
simply inserted in the  
keyway on the machine  
bed.

Subject to change without notice. Printed in Germany