

**HILMA
RÖMHELD**

Clamping with System

Workholding
Workholding
Workholding
Workholding
Workholding
Workholding
Workholding
Workholding

Jaws

Workholding
Workholding
Workholding
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Workholding
Workholding

Q.I.S. Quick-Insert System with downthrust effect



Workholding

Workholding

Workholding

Workholding

Workholding

Q.I.S.

Workholding

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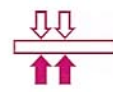
Workholding

Workholding

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Workholding



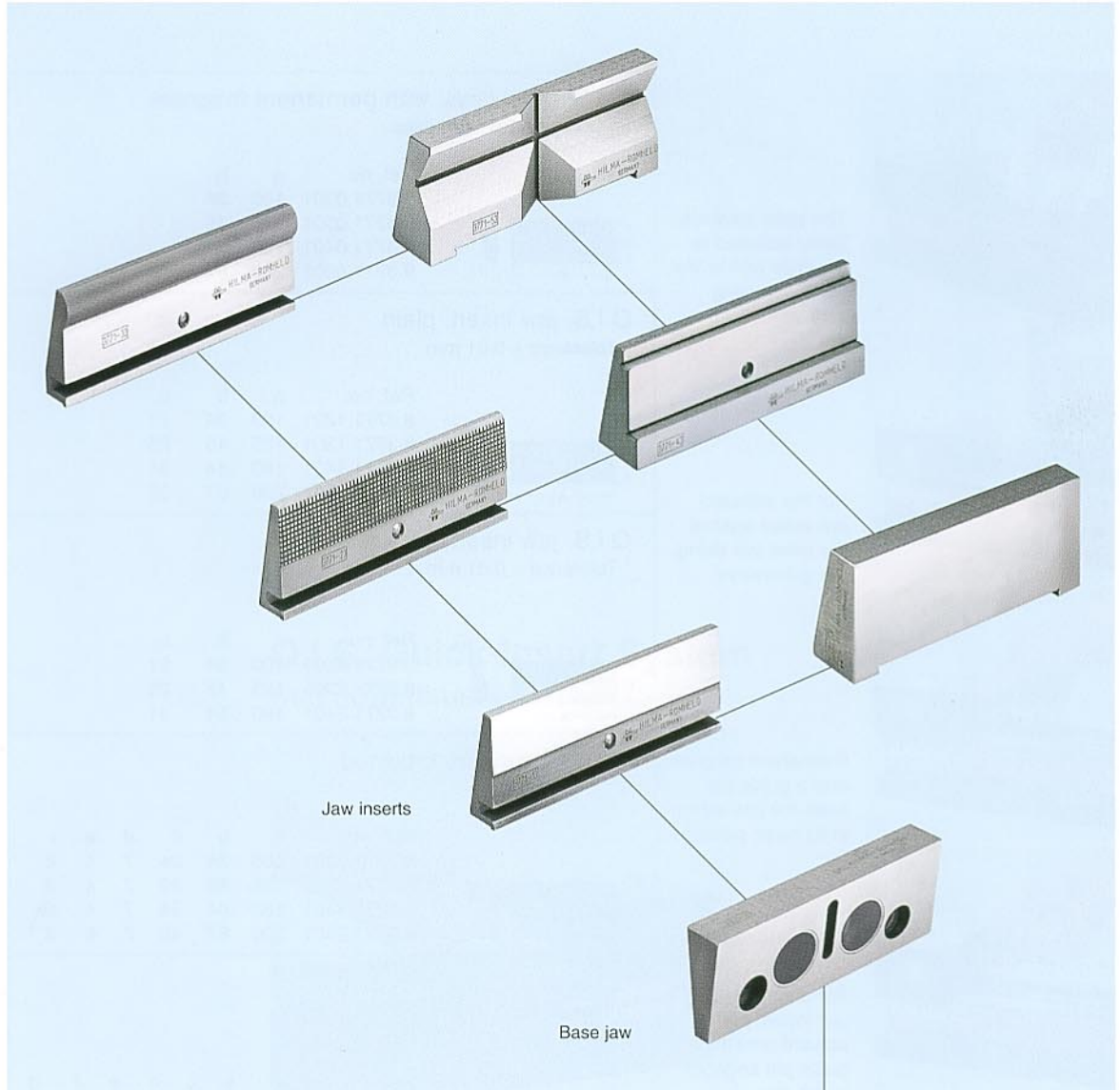
Q.I.S.: Changing of jaw inserts in a few seconds



As a result of the inclined plane between base jaw and Q.I.S. insert, a downthrust effect is exerted on the workpiece. This ensures constant reference points and consequently high workpiece precision.

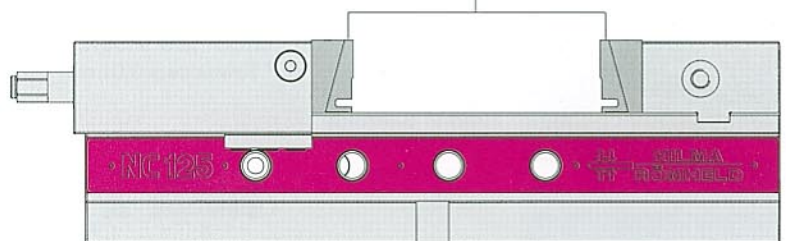
Since changing of the jaws requires a few seconds only, the clamping system can be adapted easily and efficiently to the different workpieces and clamping applications.

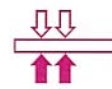
- ◆ Changing of jaw inserts in a few seconds
- ◆ The downthrust effect ensures constant reference points and consequently high quality of the workpiece
- ◆ Soft inserts for customer's own adaptation to specific workpieces extend the range of applications
- ◆ Reduction of nonproductive time
- ◆ Suitable for use in all HILMA clamping systems (jaw widths 100–200 mm)
- ◆ The system is continuously extended



Q.I.S. Quick-Insert-System:

The base jaws are fastened to the fixed jaw and to the slide using screws. The jaw inserts which are kept in place by two permanent magnets can be changed in a few seconds.





Description / Technical data

Q.I.S. Quick Insert System with
downthrust effect

Q.I.S. Quick-Insert-System

The jaw inserts can be changed in a few seconds.
Downthrust effect and defined zero point with the workpiece
in clamped position ensure constant reference points and
consequently high workpiece precision.



1 The base jaws are firmly fastened to the slide and to the fixed jaw using screws



2 Put the selected jaw insert against the base jaw using the guideways



3 Permanent magnets and a guide pin keep the jaw insert in its basic position



4 For changing the jaw insert, pull it upward until the guide pin engages in the slot



5 Slightly tilt the jaw insert to overcome the retention force of the permanent magnet



6 For fastening the new jaw insert, proceed as described in 2 + 3

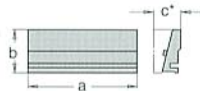
Q.I.S. base jaws, with permanent magnets including fastening screws



Ref. no.	a	b
9.3771.0201	100	34
9.3771.0301	125	45
9.3771.0401	160	54
9.3771.0501	200	67

Q.I.S. jaw insert, plain

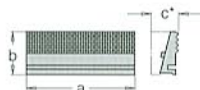
* Tolerance ± 0.01 mm



Ref. no.	a	b	c
8.3771.1201	100	34	21
8.3771.1301	125	45	26
8.3771.1401	160	54	31
8.3771.1501	200	67	36

Q.I.S. jaw insert, serrated

* Tolerance ± 0.01 mm



Ref. no.	a	b	c
8.3771.2201	100	34	21
8.3771.2301	125	45	26
8.3771.2401	160	54	31

Q.I.S. jaw insert, crowned



Ref. no.	a	b	c	d	e	r
8.3771.3201	100	34	24	7	4	8
8.3771.3301	125	45	29	7	4	8
8.3771.3401	160	54	34	7	4	8
8.3771.3501	200	67	42	7	6	8

Q.I.S. jaw insert, with steps

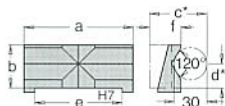
* Tolerance ± 0.01 mm



Ref. no.	a	b	c	d	e	f	g
8.3771.4201	100	34	21	25	10	29	4
8.3771.4301	125	45	26	30	13	39	5
8.3771.4401	160	54	31	35	15	45	5

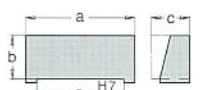
Q.I.S. jaw insert, prismatic

* Tolerance ± 0.01 mm



Ref. no.	Ø von bis	a	b	c	d	e	f
8.3771.5201	8-35	100	34	53	19	78	28
8.3771.5301	10-50	125	45	58	27	98	34,2
8.3771.5401	12-60	160	54	60	32	125	37

Q.I.S. jaw insert, soft



Ref. no.	a	b	c	e
8.3771.7201	100	34	30	78
8.3771.7301	125	45	36,5	98
8.3771.7401	160	54	47	125

Subject to change without notice. Printed in Germany