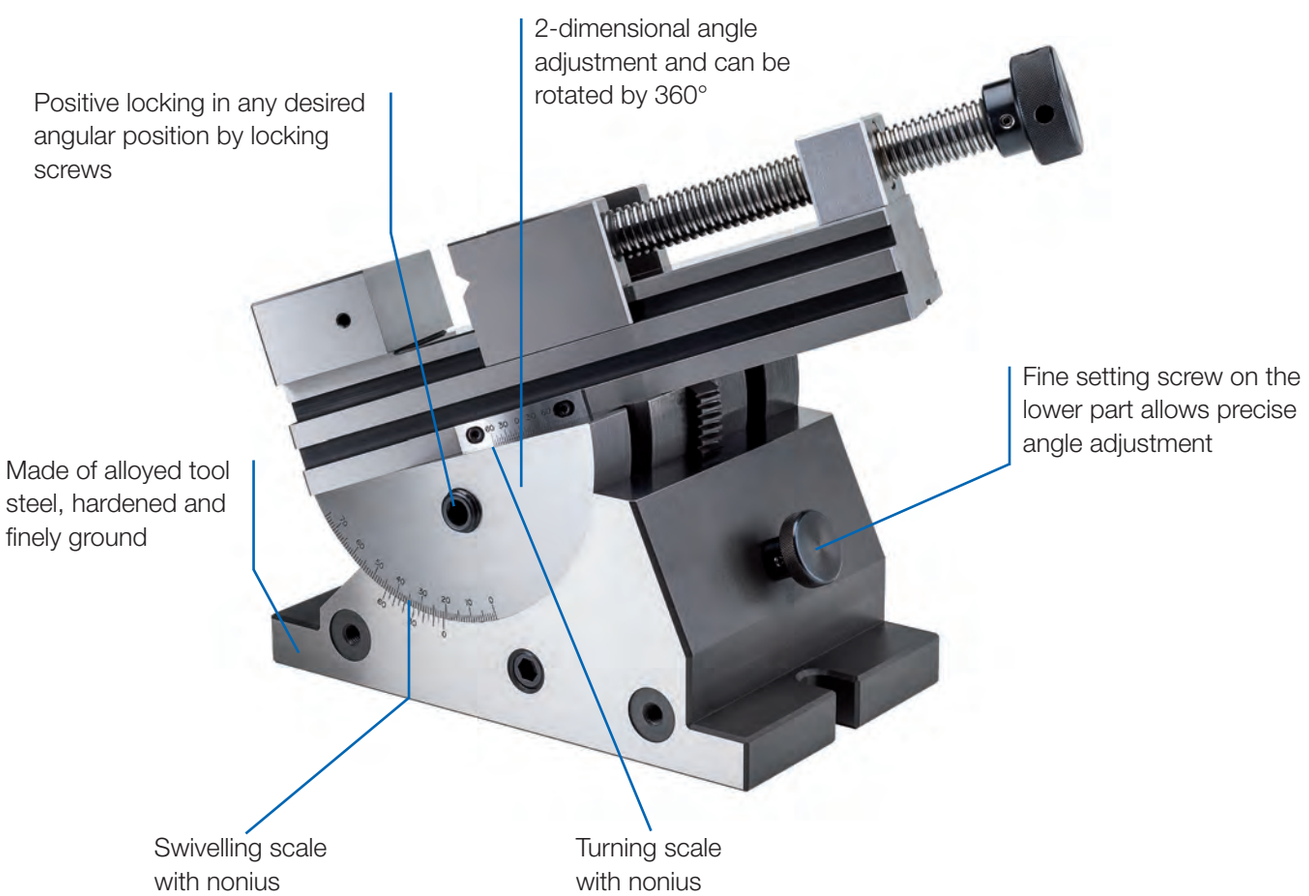
GRINDING AND INSPECTION VICES

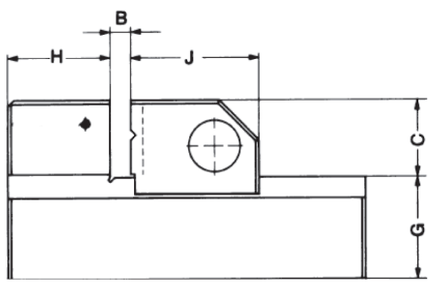
RÖHM grinding and inspection vices are primarily used in grinding, milling and engraving machines, at jig boring machines, for measurement and inspection work and for manufacturing processes which require the highest standards of clamping precision.

ADVANTAGES AT A GLANCE

- Special vices for measuring, testing and engraving
- Easy to use and universally applicable
- Made of alloyed tool steel, hardened and finely ground



Grinding and inspection vices



APPLICATION

Mainly in tool construction on grinding, milling and engraving machines, on jig boring machines, for measuring and control work and for production operations requiring high clamping precision.

CUSTOMER BENEFITS

- Easy clamping and unclamping with allen key
- Clamping jaw adjustable in stages, snaps in automatically

TECHNICAL FEATURES

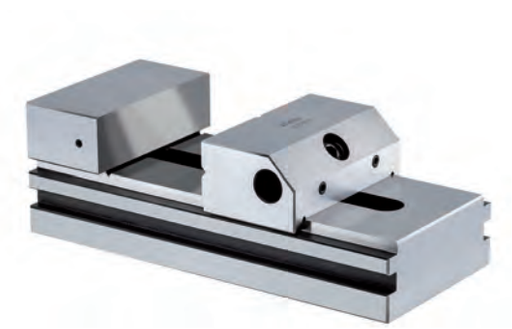
- With draw-down effect
- Made of alloyed tool steel, hardened and very finely ground
- Horizontally and vertically ground prism
- No spindle which could cause contamination during electric discharge machining, for example

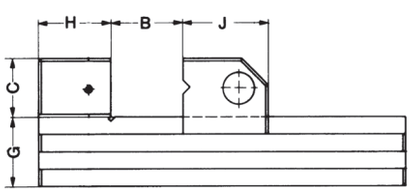
A29

PL-S micro, with quick adjustment

Item no.	Size	Squareness 1) / 100 mm	Parallelism 2) / 100 mm	Jaw width mm	B mm	Total heigth mm	C mm	Length body mm	G mm	H mm	J mm	Work locator	Weight kg
1179514	1	0,005	0,002	34	25	35	15	75	20	20	25	M5x17	0,35
1179515	2	0,005	0,002	45	50	45	20	110	25	25	35	M5x17	1

1) Base to stationary jaw clamping surface
2) Base to upper guide edge





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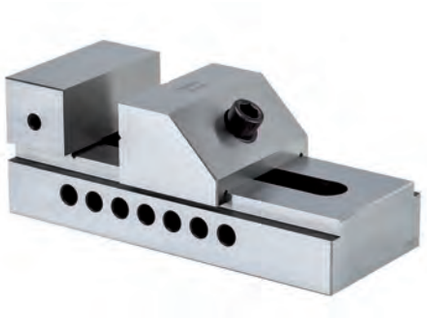
A29

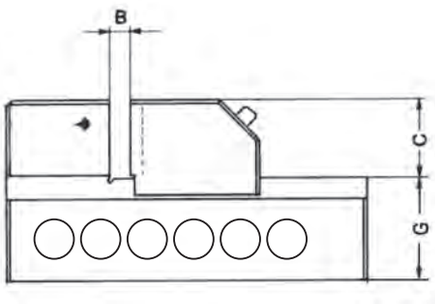
PL-S, with quick adjustment

Item no.	Size	Squareness 1) / 100 mm	Parallelism 2) / 100 mm	Jaw width mm	B mm	Total heigth mm	C mm	Length body mm	G mm	H mm	J mm	Work locator	Weight kg
1179516	1	0,005	0,002	70	80	62	30	160	32	33	45	M6	3
1179517	2	0,005	0,002	90	120	80	40	210	40	40	50	M5	5,8
1179518	3	0,005	0,002	120	150	90	40	280	50	60	70	M5	13,5

1) Base to stationary jaw clamping surface
2) Base to upper guide edge

Grinding and inspection vices





APPLICATION

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CUSTOMER BENEFITS

- Easy clamping and unclamping with allen key
- Clamping jaw adjustable in stages, snaps in automatically

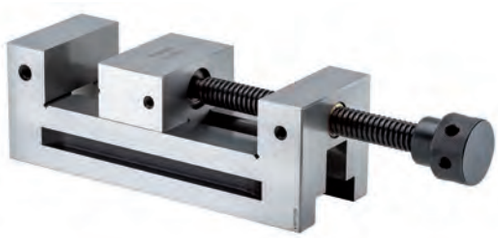
TECHNICAL FEATURES

- With draw-down effect
- Made of alloyed tool steel, hardened and very finely ground
- Horizontally and vertically ground prism
- No spindle which could cause contamination during electric discharge machining, for example

A29
PLF, with quick adjustment in gauge accuracy

Item no.	Size	Squareness 1) / 100 mm	Parallelism 2) / 100 mm	Jaw width mm	B mm	Total heigth mm	C mm	G mm	Length body mm	Weight kg
1111185	0	0,005	0,005	50	65	50	25	25	140	1,4
1111186	1	0,005	0,005	73	100	67	35	32	190	4,1
1111187	2	0,005	0,005	100	125	90	45	45	245	7,3

1) Base to stationary jaw clamping surface
2) Base to upper guide edge



APPLICATION

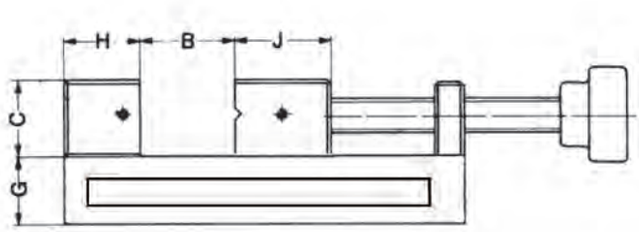
Mainly in tool construction on grinding, milling and engraving machines, on jig boring machines, for measuring and control work and for production operations requiring high clamping precision.

CUSTOMER BENEFITS

- Clamping and unclamping with threaded spindle

TECHNICAL FEATURES

- Horizontally and vertically ground prism
- Made of alloyed tool steel, hardened and very finely ground

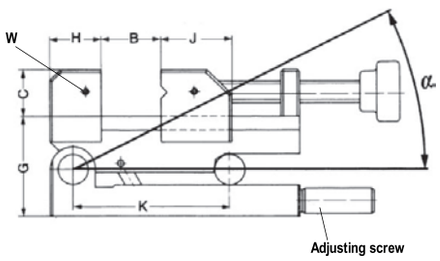


A29
PL-G

Item no.	Size	Squareness 1) / 100 mm	Parallelism 2) / 100 mm	Jaw width mm	B mm	Total heigth mm	C mm	Length body mm	G mm	H mm	J mm	Weight kg
1111182	0	0,005	0,002	60	55		25	110	25	25	33	1,6
1111183	1	0,005	0,002	73	100	74	35	210	32	33	45	4
1111184	2	0,005	0,002	88	125	88	40	250	48	40	50	7,6

1) Base to stationary jaw clamping surface
2) Base to upper guide edge

Grinding and inspection vices



APPLICATION

Mainly in tool construction on grinding, milling and engraving machines, on jig boring machines, for measuring and control work and for production operations requiring high clamping precision.

CUSTOMER BENEFITS

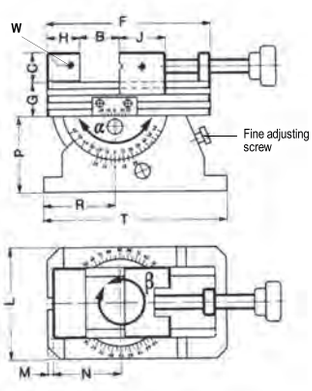
- The clamping device can be positively locked in any angular position

TECHNICAL FEATURES

- Made of alloyed tool steel, hardened and very finely ground
- Bearing and support pins hardened and ground to a precision of 0.001 mm

A29
PS-SV, front swivelling axis

Item no.	Size	Squareness / 100 mm	Parallelism / 100 mm	Angular accuracy	Jaw width mm	B mm	Total heigth mm	C mm	Length body mm	G mm	H mm	J mm	K mm	α	W	Weight kg
370778	1	0,005	0,002	bei 45° ± 15“	70	80	93	30	160	63	33	45	100	0° - 46°	2xM5x15	5,3
370779	2	0,005	0,002	bei 45° ± 15“	90	120	113	40	210	73	40	50	150	0° - 46°	2xM5x15	11



APPLICATION

Mainly in tool construction on grinding, milling and engraving machines, on jig boring machines, for measuring and control work and for production operations requiring high clamping precision.

CUSTOMER BENEFITS

- 2-dimensional angle adjustment via vernia, for size 1 with 3´-vernia, for size 2 with 5´-vernia
- 360° turnable

TECHNICAL FEATURES

- Fine adjustment screw on bottom section makes exact angular adjustment possible
- Size 2 for heavy machining
- Positive locking in any desired angular position using fixing screws
- Made of alloyed tool steel, hardened and very finely ground

A29
PS-ZD 2-dimensional

Item no.	Size	Squareness / 100 mm	Parallelism / 100 mm	Jaw width mm	B mm	Total heigth mm	C mm	Length body mm	G mm	H mm	J mm	L mm	M mm	N mm	P mm	R mm	T mm	β	α	W	Weight kg
370782	1	0,005	0,002	70	80	137	30	160	32	33	45	110	5	65	75	70	180	360°	0° - 120°	2xM5x15	11,1
370783▲	2	0,005	0,002	120	150	210	40	270	50	55	70	160	10	105	120	105	270	360°	0° - 70°	2xM6x20	43