



Operation guide

		•					10				-				H ×
TYPE	PL mid			PL-S	6		PLF		F	PL-G	à	PS	-SV	PS:	-ZD
							Gr	inding a	and in:	specti	on vic	e			
Features	- Simpl with a - Clam	allen key ping jav ges auto	oing and / v adjust	d releasi able in s Ily	-	- Made steel, h finely g - Horizo ground - No spi	ntal and v I prism ndle whicl ne dirty du	tool and ertical n could,	- Clamping and re- leasing with threa ded spindle - Made of alloyed tool steel, har- dened and finely ground			- Bearing and hardened and precision of 0 - The clamping	d finely ground location pins d ground with a 0.001 mm g device can locked in any	position b screws - Made of a	ed angular yy locking alloyed tool dened and und
Clamping system			echanic ally ope			mechanical, manually operated				echanic nually c rated			anical, operated	mech: manually	
Force amplification															
Set-up options			Base			Base			Base			В	ase	Ba	ise
Machining centers with high working accuracy															
Universal milling machines with high working accuracy															
Universal milling machi- nes standard version															
Jig boring machines															
5-axis machining															
Grinding machines			1				//		V			•		~	/
Series production															
For limited space															
Jaw width mm	34	45	70	90	120	50	73	100	60	73	88	70	90	70	120
Clamping range (max.)	25	50	80	120	150	65	100	125	55	100	125	80	120	80	150
Length (opened) mm	75	110	160	210	280	140	190	245	110	210	250	160	210	180	270
Width mm	34	45	70	90	120	50	73	100	60	73	88	70	90	110	160
Height mm	35	45	62	80	90	50	67	90	50	67	88	93	113	137	210
Clamping force (max.) kN			1,6	2	5	2	4	4	6	7	-	-			
Weight kg	0,35 1 3 5,8 13,5			1,4 4,1 7,3 1,6			1,6 4 7,6			6 5,3 11		11,1	43		
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^{*} Constant clamping force for each clamping process and high repeatabilityin combination with a torque wrench

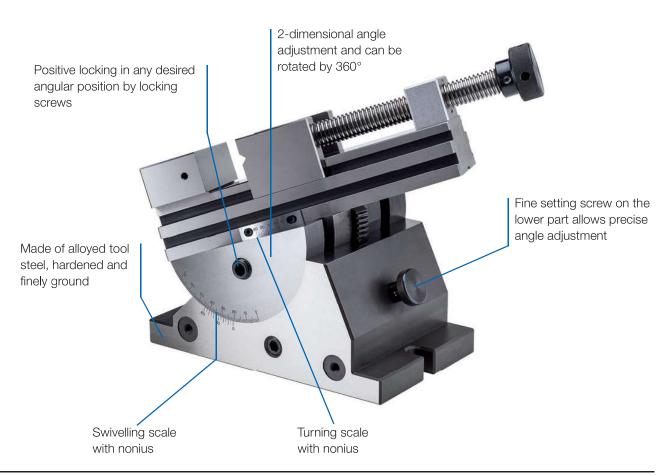


GRINDING AND INSPECTION VICES

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.

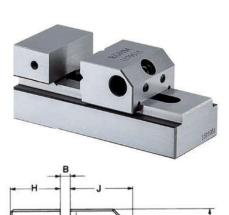
ADVANTAGES AT A GLANCE

- → Special vices for measuring, testing and engraving
- ⊕ Easy to use and universally applicable
- \odot 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 keyClamping jaw adjustable in stages, snaps in automatically

TECHNICAL FEATURES

- With draw-down effect

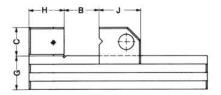
- with craw-down effect
 Made of alloyed tool steel, hardened and very finely ground
 Horizontally and vertically ground prism
 No spindle which could cause contamination during electric discharge
 machining, for example

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





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

- Will traw-down ellect 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

PL-S, with quick adjustment

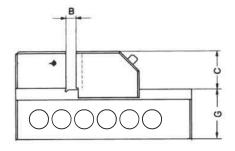
Item no.	Size	Squareness 1) / 100 mm	Parallelism ²⁾ / 100 mm	Jaw width mm	B mm	Total heigth mm	C mm	Length body mm	G mm	H mm	J mm	Work locator	Weight kg
1179516	1	0,005	0,002	70	80	62	30	160	32	33	45	M6	3
1179517	2	0,005	0,002	90	120	80	40	210	40	40	50	M5	5,8
1179518	3	0,005	0,002	120	150	90	40	280	50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

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



Grinding and inspection vices





APPLICATION

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 keyClamping jaw adjustable in stages, snaps in automatically

TECHNICAL FEATURES

- With draw-down effect

- with oraw-cown 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

PLF, with quick adjustment in gauge accuracy

Item no.	Size	Squareness 1 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

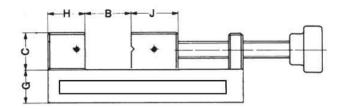


Mainly in tool construction on grinding, milling and engraving machines, on jig boring machines, for measuring and control work and for production operations requiring high clamping precision.

Olamping and unclamping with threaded spindle

TECHNICAL FEATURES

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



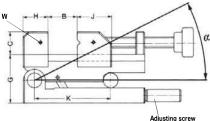
A29 PL-G

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

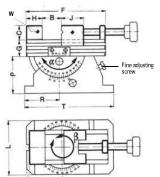
TECHNICAL FEATURES

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

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

- 3 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