

levelling elements in cast iron
type V P



levelling elements in cast iron version V P

A combination of base in cast iron and levelling screw in version V P (pressure fitting with safety ring) - pendulum action for angle compensation. The safety ring in the pressure fitting keeps the pivot bearing at the bottom of the levelling screw in place, with small force exertion and correct alignment however, it can easily be removed.

standard colour of the base in cast iron: RAL 9006 white-aluminium
other colour tones according to RAL on request

optional: special electro-plating for the bases in cast iron and levelling screws in nickel or chrome, as well as stainless steel screws

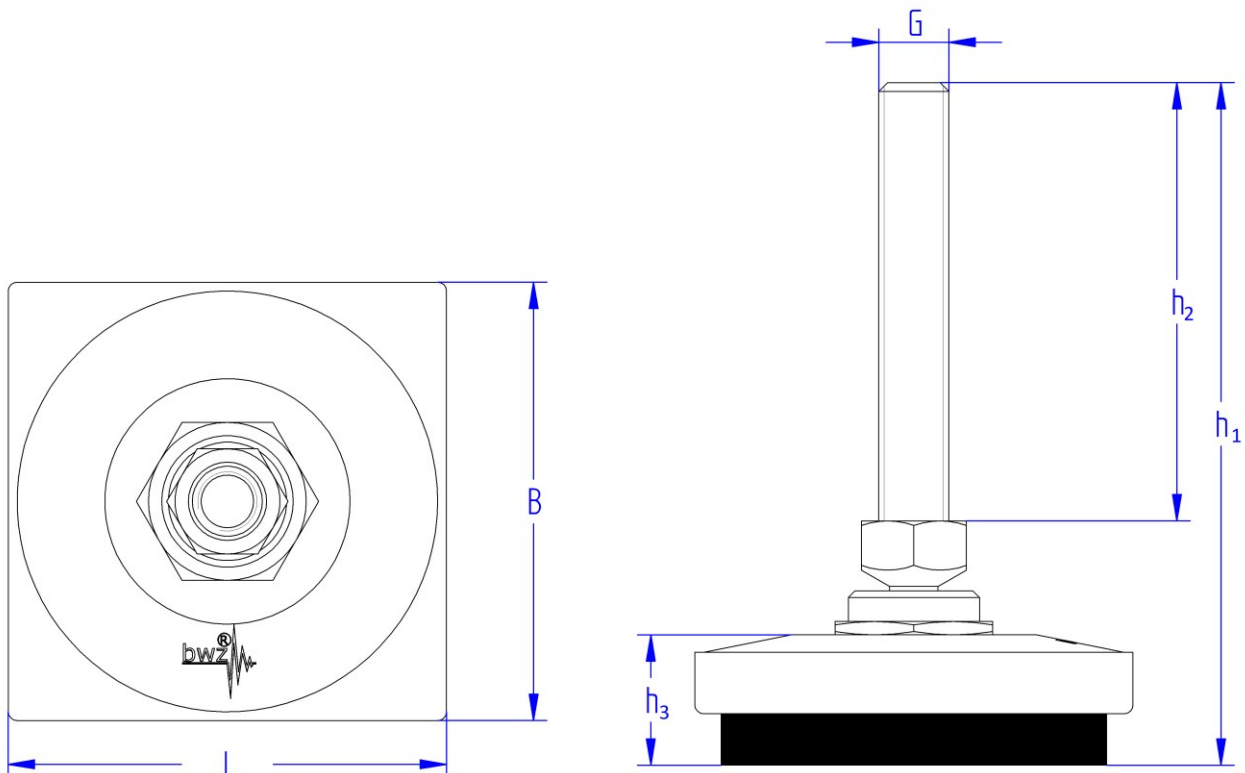
levelling screws are supplied with the following accessories

2 x nut DIN 934 / ISO 4032
1 x washer DIN 125 / ISO 7089
1 x washer DIN 9021 / ISO 7093
from thread size M24 upwards
2 x nut DIN 934 / ISO 4032
2 x washer DIN 125 / ISO 7089

length specification h_2 of the levelling screw relates to the net thread length

assembly of the levelling screws with the nuts and washers, individual packaging of levelling elements in quick-lock mechanism bags and customized article labelling available at extra charge

schematic illustration version V P



levelling elements in cast iron type V P with elastomer NBR 5514

applications: passive isolation e.g. for metrology equipment, scales, dosage units and optical devices
 elastomer surface smooth, without tread pattern

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR5514	7201 0001	85x85	148	100	23	M12	24	55	180
10V P NBR5514	7211 0001	100x100	153	100	28	M16	24	55	300

levelling elements in cast iron type V P with elastomer NBR 5518

applications: passive isolation e.g. for metrology equipment, scales, dosage units and optical devices
 elastomer surface with tread pattern - higher insulation effect as compared to type with NBR 5514

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR5518	7201 0002	85x85	152	100	27	M12	24	55	180
10V P NBR5518	7211 0002	100x100	157	100	32	M16	24	55	300

levelling elements in cast iron type V P with elastomer NBR 7516

applications: damping / insulation e.g. for highly dynamic machinery, presses, shears, punches, compressors and pumps
 elastomer surface with tread pattern

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR7516	7201 0003	85x85	150	100	25	M12	24	75	560
10V P NBR7516	7211 0003	100x100	155	100	30	M16	24	75	800

levelling elements in cast iron type V P with elastomer NBR 7525

applications: damping / insulation e.g. for highly dynamic machinery, presses, shears, punches, compressors and pumps
 elastomer surface with tread pattern - higher insulation / damping effect as compared to type with NBR 7516

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR7525	7201 0004	85x85	159	100	34	M12	24	75	560
10V P NBR7525	7211 0004	100x100	164	100	39	M16	24	75	800

levelling elements in cast iron type V P with elastomer NBR 8516

applications: damping of e.g. general (CNC) machine tools, textile machines, graphic machines and machines with horizontal thrust
 elastomer surface with tread pattern

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR8516	7201 0005	85x85	149	100	24	M12	24	90	700
10V P NBR8516	7211 0005	100x100	154	100	29	M16	24	90	1000

levelling elements in cast iron type V P with elastomer NBR 8525

applications: damping of e.g. general (CNC) machine tools, textile machines, graphic machines and machines with horizontal thrust

elastomer surface with tread pattern - higher damping effect as compared to type with NBR 8516

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR8525	7201 0006	85x85	159	100	34	M12	24	90	700
10V P NBR8525	7211 0006	100x100	164	100	39	M16	24	90	1000

levelling elements in cast iron type V P with elastomer NBR 9014

applications: damping of e.g. machining centres, transfer units, (CNC) machine tools, circular- and flat-grinding machines, long-bedded machines with low intrinsic rigidity, drilling and milling devices

elastomer surface smooth, without tread pattern

type		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness	load
description	article number	mm	mm	mm	mm		mm	±5 Shore	daN
7V P NBR9014	7201 0007	85x85	149	100	24	M12	24	90	700
10V P NBR9014	7211 0007	100x100	154	100	29	M16	24	90	1000

screw options

thread	
description	net thread length mm
M8	on request
M10	100, 150, 200, 250
M12	100, 150, 200, 250
M14	on request
M16	100, 150, 200, 250
M18	on request
M20	100, 150, 200, 250
M24	100, 150, 200, 250
M30	100, 150, 200, 250

Special thread lengths, alternative electro-plating with nickel or chrome, threads with special fine pitch, stainless steel levelling screws or special materials on request.

Custom solutions and modifications as per customer's request are possible any time, owing to our high internal manufacturing depth (CNC and conventional).

length specifications of the levelling screws relate to the net thread length h₂ - further net thread lengths on request

data on materials and tolerances

components in cast iron

according to DIN EN ISO 8062-3 DCTG 10 -/- manufacturing tolerance: according to ISO 2768-mk
materials: EN GJL 200 / EN GJL 250

elastomers

shore-hardness A measurement: according to DIN 53505 or rather DIN ISO 7619-1
tolerances for dimensions with tool-form based elastomer parts according to DIN ISO 3302-1, class M3
materials: NBR 55° / 75° / 90° ±5 shore A, dimensional tolerance ±1 mm

threads / levelling screws

according to DIN 976 -/- manufacturing tolerance: according to ISO 2768-mk
materials: steel blank 4.8 - steel zinc-coated 4.8 - stainless steel A2

manufacturing components from hexagonal bar material

according to EN 10277/10278 -/- manufacturing tolerance: according to ISO 2768-mk
materials: steel blank 11SMn30+C -/- stainless steel 1.4305

Technical modifications subject to change! Any previous versions of this document are herewith null and void!