

levelling elements in cast iron
type VL PE



levelling elements in cast iron version VL PE

A combination of base in cast iron and levelling screw in version PE (pressure fitting with lateral locking screws) - pendulum action for angle compensation. The lateral locking screws in the pressure fitting keep the pivot bearing at the bottom of the levelling screw in place, in order to prevent base in cast iron and levelling screw from falling apart. Top choice when lifting and for re-location of machines.

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

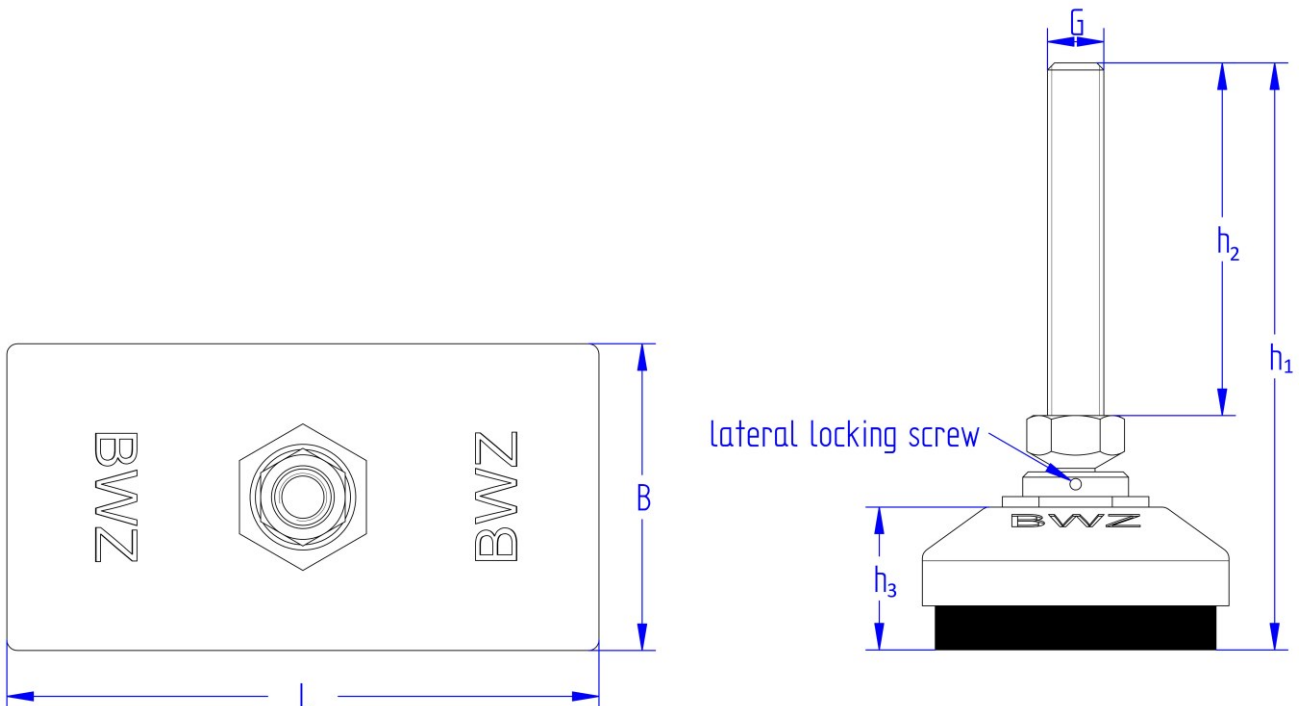
levelling screws are supplied with the following accessories

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 VL PE



levelling elements in cast iron type VL PE 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
16VL PE NBR5514	7252 0001	167x87	159	100	34	M16	24	55	600
21VL PE NBR5514	7262 0001	217x118	217	150	34	M20	30	55	1000

levelling elements in cast iron type VL PE 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
16VL PE NBR5518	7252 0002	167x87	163	100	38	M16	24	55	600
21VL PE NBR5518	7262 0002	217x118	221	150	38	M20	30	55	1000

levelling elements in cast iron type VL PE 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
16VL PE NBR7516	7252 0003	167x87	161	100	36	M16	24	75	1500
21VL PE NBR7516	7262 0003	217x118	219	150	36	M20	30	75	2500

levelling elements in cast iron type VL PE 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
16VL PE NBR7525	7252 0004	167x87	170	100	45	M16	24	75	1500
21VL PE NBR7525	7262 0004	217x118	228	150	45	M20	30	75	2500

levelling elements in cast iron type VL PE 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
16VL PE NBR8516	7252 0005	167x87	160	100	35	M16	24	90	1700
21VL PE NBR8516	7262 0005	217x118	219	150	36	M20	30	90	2800

levelling elements in cast iron type VL PE 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
16VL PE NBR8525	7252 0006	167x87	170	100	45	M16	24	90	1700
21VL PE NBR8525	7262 0006	217x118	228	150	45	M20	30	90	2800

levelling elements in cast iron type VL PE 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
16VL PE NBR9014	7252 0007	167x87	160	100	35	M16	24	90	1700
21VL PE NBR9014	7262 0007	217x118	217	150	34	M20	30	90	2800

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 h_2 - 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!