

levelling elements in cast iron type V



levelling elements in cast iron version V

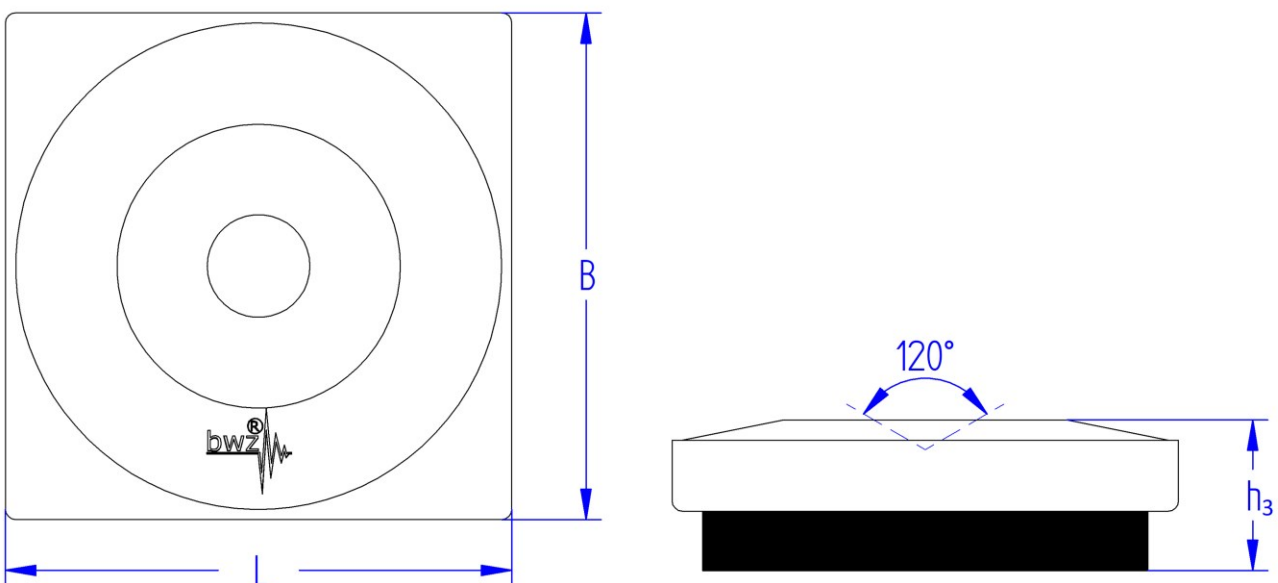
A combination of base in cast iron and non-fixed levelling screw with 120° tip and square shaft in zinc-galvanized version for an economic installation, levelling and vibration-isolated mounting of machines and devices.

Suitable levelling screws with 120° tip and square shaft in zinc-galvanized version may be selected from the table following the type selection below.

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

schematic illustration version V



levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR5514	7200 0001	85x85	23	55	180
10V NBR5514	7210 0001	100x100	28	55	300
12V NBR5514	7220 0001	126x126	31	55	400
15V NBR5514	7230 0001	150x150	35	55	700
17V NBR5514	7240 0001	178x178	37	55	1000

levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR5518	7200 0002	85x85	27	55	180
10V NBR5518	7210 0002	100x100	32	55	300
12V NBR5518	7220 0002	126x126	35	55	400
15V NBR5518	7230 0002	150x150	39	55	700
17V NBR5518	7240 0002	178x178	41	55	1000

levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR7516	7200 0003	85x85	24	75	560
10V NBR7516	7210 0003	100x100	29	75	800
12V NBR7516	7220 0003	126x126	32	75	1200
15V NBR7516	7230 0003	150x150	37	75	1800
17V NBR7516	7240 0003	178x178	39	75	2800

levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR7525	7200 0004	85x85	34	75	560
10V NBR7525	7210 0004	100x100	39	75	800
12V NBR7525	7220 0004	126x126	42	75	1200
15V NBR7525	7230 0004	150x150	46	75	1800
17V NBR7525	7240 0004	178x178	48	75	2800

levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR8516	7200 0005	85x85	24	90	700
10V NBR8516	7210 0005	100x100	29	90	1000
12V NBR8516	7220 0005	126x126	32	90	1600
15V NBR8516	7230 0005	150x150	37	90	2300
17V NBR8516	7240 0005	178x178	39	90	3400

levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR8525	7200 0006	85x85	34	90	700
10V NBR8525	7210 0006	100x100	39	90	1000
12V NBR8525	7220 0006	126x126	42	90	1600
15V NBR8525	7230 0006	150x150	46	90	2300
17V NBR8525	7240 0006	178x178	48	90	3400

levelling elements in cast iron type V 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 ₃	hardness	load
description	article number	mm	mm	±5 Shore	daN
7V NBR9014	7200 0007	85x85	24	90	700
10V NBR9014	7210 0007	100x100	29	90	1000
12V NBR9014	7220 0007	126x126	32	90	1600
15V NBR9014	7230 0007	150x150	35	90	2300
17V NBR9014	7240 0007	178x178	37	90	3400

suitable levelling screws with 120° tip and square shaft in zinc-galvanized version

length specification of the levelling screws relates to the net thread length

thread		net thread length
description	article number	mm
M8 x 100	317 045	100
M8 x 1,0 pitch		on request
M10 x 100	317 001	100
M10 x 150	317 003	150
M10 x 1,0 pitch		on request
M12 x 100	317 006	100
M12 x 150	317 008	150
M12 x 1,5 pitch		on request
M14 x 100	317 011	100
M16 x 100	317 016	100
M16 x 150	317 018	150
M16 x 200	317 019	200
M16 x 250	317 020	250
M16 x 1,5 pitch		on request
M18 x 100	317 022	100
M20 x 100	317 027	100
M20 x 150	317 029	150
M20 x 200	317 030	200
M20 x 1,5 pitch		on request
M24 x 150	317 034	150
M24 x 250	317 036	250
M24 x 1,5 pitch		on request
M30 x 150	317 039	150
M30 x 250	317 041	250
M30 x 1,5 pitch		on request

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

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

special thread lengths, alternative electroplating 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)

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

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