

levelling elements in cast iron type V ST



levelling elements in cast iron version V ST

A combination of base in cast iron and levelling screw in version ST (non-pendulum) - with counter nut DIN 439.

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

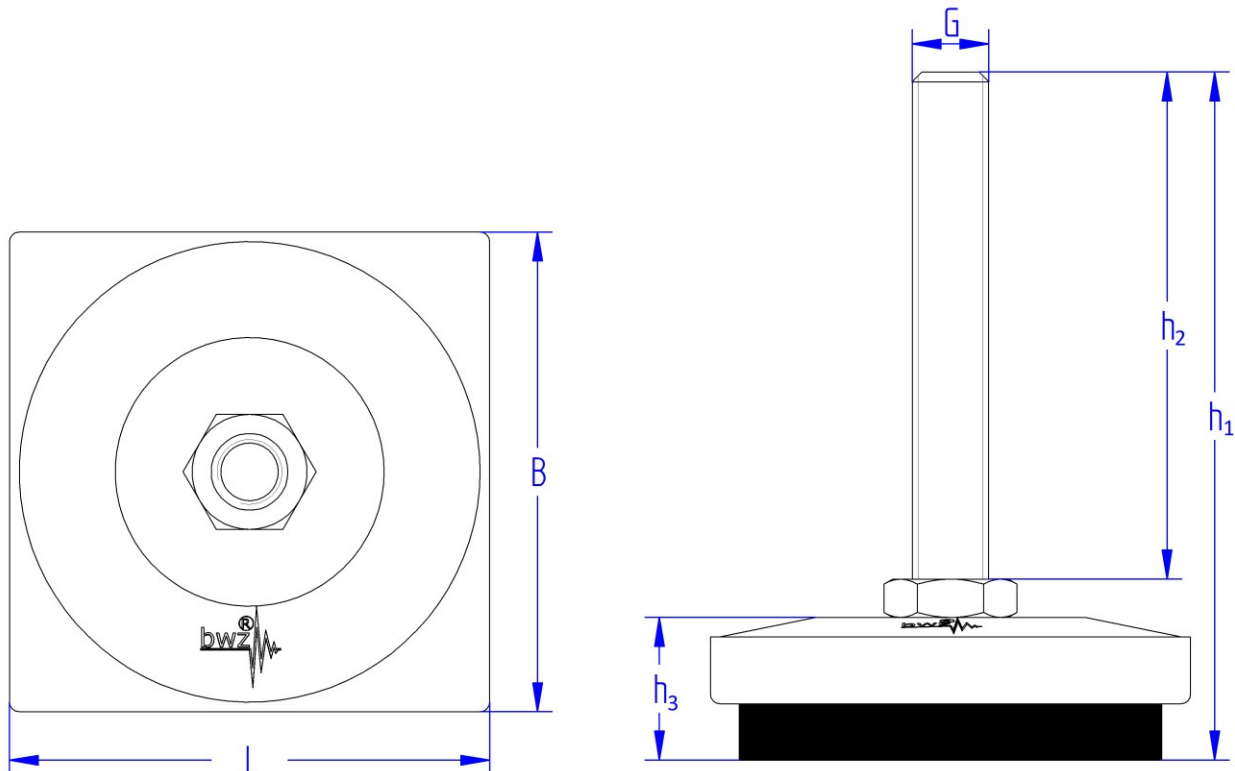
levelling screws are supplied with the following accessories

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 ST



levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR5514	7205 0001	85x85	127	100	23	M12	55	180
10V ST NBR5514	7215 0001	100x100	135	100	28	M16	55	300
12V ST NBR5514	7225 0001	126x126	138	100	31	M16	55	400
15V ST NBR5514	7235 0001	150x150	195	150	35	M20	55	700
17V ST NBR5514	7245 0001	178x178	196	150	37	M20	55	1000

levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR5518	7205 0002	85x85	131	100	27	M12	55	180
10V ST NBR5518	7215 0002	100x100	139	100	32	M16	55	300
12V ST NBR5518	7225 0002	126x126	142	100	35	M16	55	400
15V ST NBR5518	7235 0002	150x150	199	150	39	M20	55	700
17V ST NBR5518	7245 0002	178x178	200	150	41	M20	55	1000

levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR7516	7205 0003	85x85	128	100	24	M12	75	560
10V ST NBR7516	7215 0003	100x100	136	100	29	M16	75	800
12V ST NBR7516	7225 0003	126x126	139	100	32	M16	75	1200
15V ST NBR7516	7235 0003	150x150	197	150	37	M20	75	1800
17V ST NBR7516	7245 0003	178x178	198	150	39	M20	75	2800

levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR7525	7205 0004	85x85	138	100	34	M12	75	560
10V ST NBR7525	7215 0004	100x100	146	100	39	M16	75	800
12V ST NBR7525	7225 0004	126x126	149	100	42	M16	75	1200
15V ST NBR7525	7235 0004	150x150	206	150	46	M20	75	1800
17V ST NBR7525	7245 0004	178x178	207	150	48	M20	75	2800

levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR8516	7205 0005	85x85	128	100	24	M12	90	700
10V ST NBR8516	7215 0005	100x100	136	100	29	M16	90	1000
12V ST NBR8516	7225 0005	126x126	139	100	32	M16	90	1600
15V ST NBR8516	7235 0005	150x150	197	150	37	M20	90	2300
17V ST NBR8516	7245 0005	178x178	198	150	39	M20	90	3400

levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR8525	7205 0006	85x85	138	100	34	M12	90	700
10V ST NBR8525	7215 0006	100x100	146	100	39	M16	90	1000
12V ST NBR8525	7225 0006	126x126	149	100	42	M16	90	1600
15V ST NBR8525	7235 0006	150x150	206	150	46	M20	90	2300
17V ST NBR8525	7245 0006	178x178	207	150	48	M20	90	3400

levelling elements in cast iron type V ST 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)	hardness	load
description	article number	mm	mm	mm	mm		±5 Shore	daN
7V ST NBR9014	7205 0007	85x85	128	100	24	M12	90	700
10V ST NBR9014	7215 0007	100x100	136	100	29	M16	90	1000
12V ST NBR9014	7225 0007	126x126	139	100	32	M16	90	1600
15V ST NBR9014	7235 0007	150x150	195	150	35	M20	90	2300
17V ST NBR9014	7245 0007	178x178	196	150	37	M20	90	3400

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

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