

levelling elements in cast iron type R



levelling elements in cast iron version R

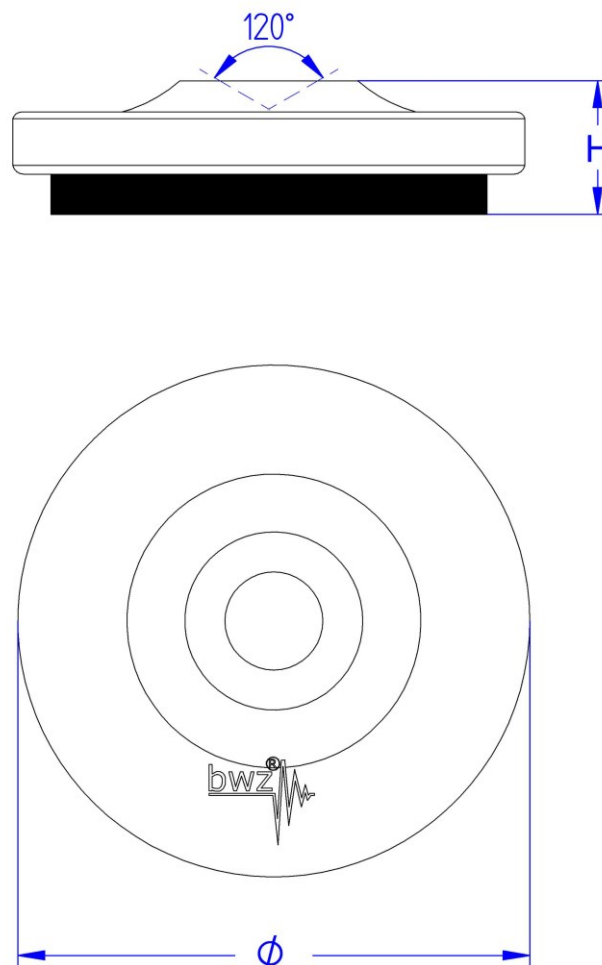
A combination of cast iron base and non-fixed levelling screw with 120° tip and square shaft in zinc-galvanized version for an economic installation, levelling and vibration-isolated mounting of machines and devices.

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

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

optional: special electro-plating for the cast iron bases and levelling screws in nickel or chrome

schematic illustration version R



levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR5514	7020 0001	70	25	55	100
7R NBR5514	7030 0001	88	25	55	150
10R NBR5514	7040 0001	115	29	55	250
13R NBR5514	7050 0001	145	32	55	500
16R NBR5514	7060 0001	165	34	55	800
20R NBR5514	7070 0001	225	39	55	1800

levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR5518	7020 0002	70	29	55	100
7R NBR5518	7030 0002	88	29	55	150
10R NBR5518	7040 0002	115	33	55	250
13R NBR5518	7050 0002	145	36	55	500
16R NBR5518	7060 0002	165	38	55	800
20R NBR5518	7070 0002	225	43	55	1800

levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR7516	7020 0003	70	26	75	250
7R NBR7516	7030 0003	88	26	75	400
10R NBR7516	7040 0003	115	30	75	700
13R NBR7516	7050 0003	145	33	75	1200
16R NBR7516	7060 0003	165	35	75	1500
20R NBR7516	7070 0003	225	40	75	2500

levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR7525	7020 0004	70	36	75	250
7R NBR7525	7030 0004	88	36	75	400
10R NBR7525	7040 0004	115	40	75	700
13R NBR7525	7050 0004	145	43	75	1200
16R NBR7525	7060 0004	165	45	75	1500
20R NBR7525	7070 0004	225	50	75	2500

levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR8516	7020 0005	70	26	90	300
7R NBR8516	7030 0005	88	26	90	500
10R NBR8516	7040 0005	115	30	90	1000
13R NBR8516	7050 0005	145	33	90	1700
16R NBR8516	7060 0005	165	35	90	2000
20R NBR8516	7070 0005	225	40	90	3000

levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR8525	7020 0006	70	36	90	300
7R NBR8525	7030 0006	88	36	90	500
10R NBR8525	7040 0006	115	40	90	1000
13R NBR8525	7050 0006	145	43	90	1700
16R NBR8525	7060 0006	165	45	90	2000
20R NBR8525	7070 0006	225	50	90	3000

levelling elements in cast iron type R 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		Ø	H	hardness	load
description	article number	mm	mm	±5 Shore	daN
6R NBR9014	7020 0007	70	26	90	300
7R NBR9014	7030 0007	88	26	90	500
10R NBR9014	7040 0007	115	30	90	1000
13R NBR9014	7050 0007	145	33	90	1700
16R NBR9014	7060 0007	165	35	90	2000
20R NBR9014	7070 0007	225	40	90	3000

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

cast iron components

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!