

levelling elements in steel type V



levelling elements in steel version V

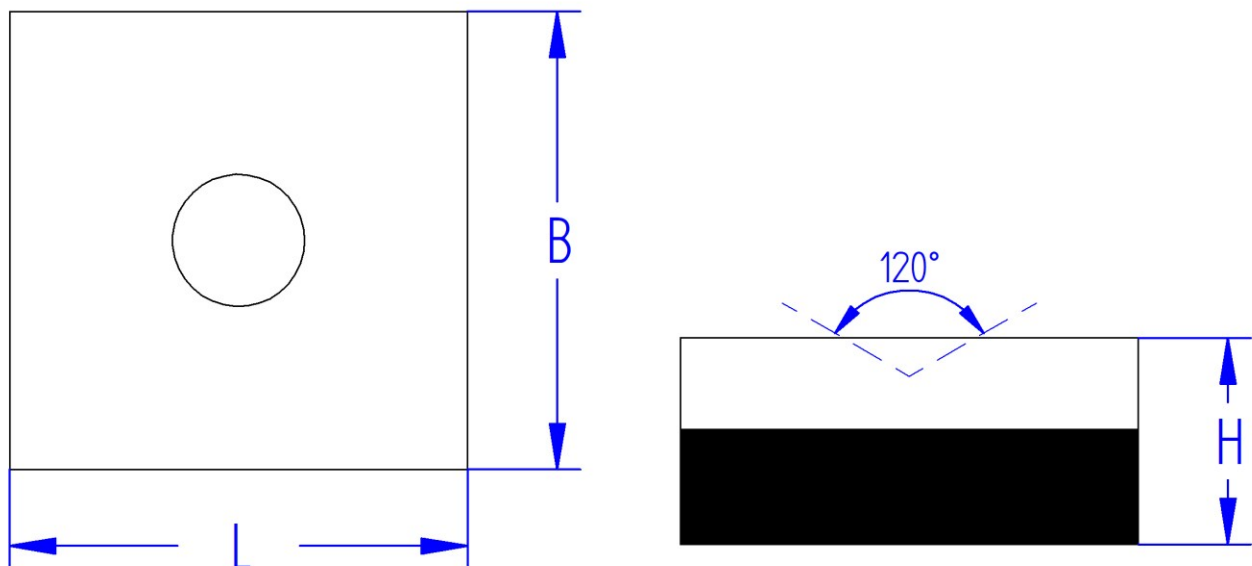
A combination of steel plate base and non-fixed levelling screw with 120° tip and square shaft in zinc-galvanized version for an economic installation, levelling and vibration-isolated mounting of machines and devices.

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

electro-plating of the steel plate bases: zinc-galvanized

alternative electro-plating for steel plate bases and levelling screws with nickel or chrome on request

schematic illustration version V in steel



levelling elements in steel 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

sizes 5V and 6V in this shore hardness on request

type						
		L / B	H	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
19V NBR5514	7130 0001	190x190	34	120°	55°	1500

levelling elements in steel type V with elastomer NBR 5518

applications: passive isolation e.g. for metrology equipment, scales, dosage units and optical devices

elastomer surface smooth, without tread pattern - higher insulation effect as compared to type with NBR 5514

sizes 5V and 6V in this shore hardness on request

type						
		L / B	H	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
19V NBR5518	7130 0002	190x190	38	120°	55°	1500

levelling elements in steel 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	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
5V NBR7516	7110 0003	50x50	24	120°	75	200
6V NBR7516	7120 0003	60x60	24	120°	75	380
19V NBR7516	7130 0003	190x190	36	120°	75	3800

levelling elements in steel 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	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
5V NBR7525	7110 0004	50x50	33	120°	75	200
6V NBR7525	7120 0004	60x60	33	120°	75	380
19V NBR7525	7130 0004	190x190	45	120°	75	3800

levelling elements in steel 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	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
5V NBR8516	7110 0005	50x50	24	120°	90	240
6V NBR8516	7120 0005	60x60	24	120°	90	470
19V NBR8516	7130 0005	190x190	36	120°	90	4500

levelling elements in steel 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	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
5V NBR8525	7110 0006	50x50	33	120°	90	240
6V NBR8525	7120 0006	60x60	33	120°	90	470
19V NBR8525	7130 0006	190x190	45	120°	90	4500

levelling elements in steel 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	countersink	hardness	load
description	article number	mm	mm		±5 Shore	daN
5V NBR9014	7110 0007	50x50	22	120°	90	240
6V NBR9014	7120 0007	60x60	22	120°	90	470
19V NBR9014	7130 0007	190x190	34	120°	90	4500

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

steel plates

according to DIN EN ISO 8062-3 DCTG 10 -/- manufacturing tolerance: according to ISO 2768-mk
materials: S235JR+C / EN10277/78 (ST37K DIN1652/174)

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!