

levelling elements in steel type V ST



levelling elements in steel version V ST

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

electro-plating of the steel plate bases: zinc-galvanized
stainless steel screws and stainless steel plate bases on request

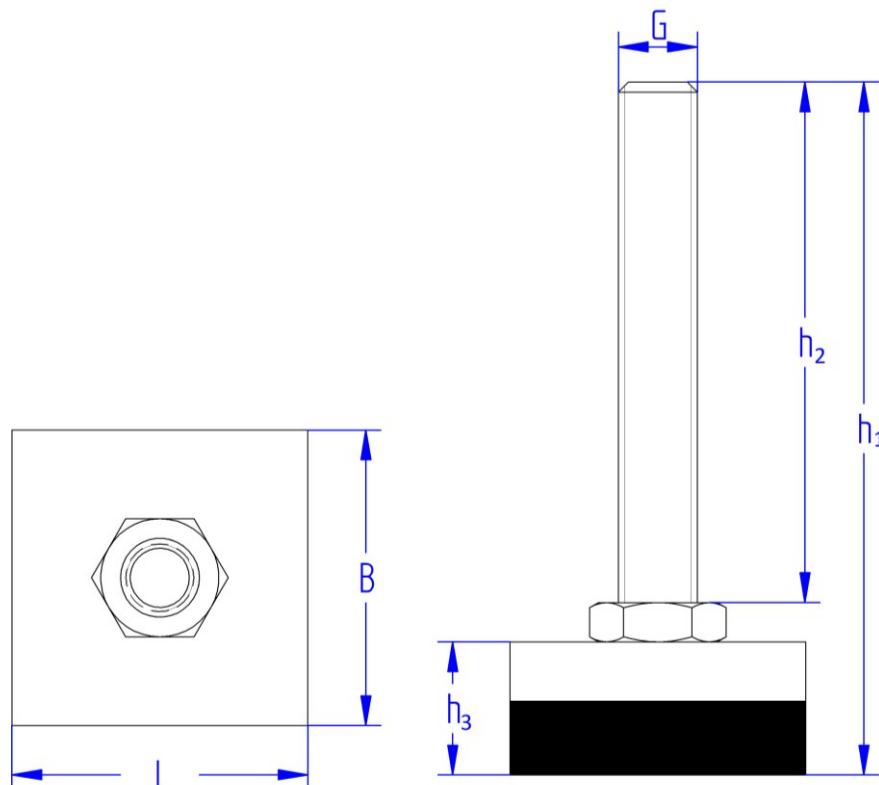
levelling screws are supplied with the following accessories

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

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 in steel



levelling elements in steel 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

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

type								
		L / B	h ₁	h ₂	h ₃	thread (G)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
19V ST NBR5514	7135 0001	190x190	194	150	34	M20	55	1500

levelling elements in steel type V ST 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 ₁	h ₂	h ₃	thread (G)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
19V ST NBR5518	7135 0002	190x190	198	150	38	M20	55	1500

levelling elements in steel 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)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
5V ST NBR7516	7113 0003	50x50	132	100	24	M16	75	200
6V ST NBR7516	7123 0003	60x60	132	100	24	M16	75	380
19V ST NBR7516	7135 0003	190x190	196	150	36	M20	75	3800

levelling elements in steel 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)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
5V ST NBR7525	7113 0004	50x50	141	100	33	M16	75	200
6V ST NBR7525	7123 0004	60x60	141	100	33	M16	75	380
19V ST NBR7525	7135 0004	190x190	205	150	45	M20	75	3800

levelling elements in steel 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)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
5V ST NBR8516	7113 0005	50x50	132	100	24	M16	90	240
6V ST NBR8516	7123 0005	60x60	132	100	24	M16	90	470
19V ST NBR8516	7135 0005	190x190	196	150	36	M20	90	4500

levelling elements in steel 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)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
5V ST NBR8525	7113 0006	50x50	141	100	33	M16	90	240
6V ST NBR8525	7123 0006	60x60	141	100	33	M16	90	470
19V ST NBR8525	7135 0006	190x190	205	150	45	M20	90	4500

levelling elements in steel 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)	key width	hardness
description	article number	mm	mm	mm	mm		mm	±5 Shore
5V ST NBR9014	7113 0007	50x50	130	100	22	M16	90	240
6V ST NBR9014	7123 0007	60x60	130	100	22	M16	90	470
19V ST NBR9014	7135 0007	190x190	194	150	34	M20	90	4500

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

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!