



SPRING WASHERS for cylinder head screws VHZ / HSP

SPRING STEEL 38Si7 / C60

VHZ acc. to Bosch Standard N31A MR10/5

Spring Washers

Measurement	Dimensions						Weight	Packaging			
for cylinder head screw metric size	d ₁ min.-max.	d ₂ max.	s min.-max.	b min.-max.	h min.-max.	r ≈	kg/1000 pcs.	packaging	masterbox	quantity 2 wooden frames	quantity euro pallet
4	4,10-4,40	7,00	1,10-1,30	1,10-1,30	1,70-2,00	0,30	0,195	1.000	50.000	1.500.000	2.250.000
5	5,10-5,40	8,80	1,50-1,70	1,50-1,70	2,10-2,40	0,30	0,370	1.000	25.000	750.000	1.125.000
6	6,10-6,50	9,90	1,50-1,70	1,50-1,70	2,10-2,40	0,30	0,425	1.000	15.000	450.000	900.000
8	8,10-8,50	12,70	1,90-2,10	1,90-2,10	2,80-3,20	0,50	1,05	1.000		396.000	396.000
10	10,20-10,80	16,10	2,35-2,65	2,35-2,65	3,70-4,10	0,80	1,96	1.000		264.000	330.000
12	12,20-13,00	18,30	2,35-2,65	2,35-2,65	3,70-4,10	0,80	2,28	500		198.000	198.000
14	14,20-15,00	21,40	2,80-3,20	2,80-3,20	4,50-5,00	1,00	3,80	500		132.000	165.000
16	16,20-17,20	24,60	3,30-3,70	3,30-3,70	5,20-5,90	1,00	5,94	250		66.000	82.500
20	20,20-21,20	30,60	4,30-4,70	4,30-4,70	6,40-7,30	1,00	12,30	100		39.600	39.600

Hardness: 430-530 HV

surfaces:

plain oiled

mech. zinc plated

zinc flake

other materials on request