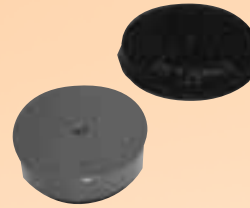


ISTAKO rubber spring insulators

Suitable for elastic support of heavy machinery and various smaller industrial machines as active or passive vibration isolation and noise control. Construction of OS, PR and PRV insulators allows the machines to be adjusted and lifted into their working position. Some of the basic conditions of effective elastic mounting are sufficient suspension rate of the insulator and stability of the machine.

1. Insulators ISTAKO OS

These insulators consist of a round rubber spring placed in a cast iron casing. ISTAKO OS insulators are not anchored to surface. ISTAKO OS insulators are made in accordance with the PNT 02 8984 standard.



Overview of ISTAKO OS insulators' features

Type	Size (mm)		Rubber type	Deformation (mm)	Suspension rate		Maximum load capacity	Weight kg
	Average	Height			Cy	Cx Cz		
OS 3	140	50	42 - 161	2,8	5 000	1 100	5 000	2,75
OS 4	160	50	42 - 161	2,6	7 000	1 500	8 000	3,22
OS 5	190	50	42 - 161	2,4	9 000	1 800	12 000	4,36
OS 6	205	50	42 - 161	1,8	11 000	2 200	15 000	5,64

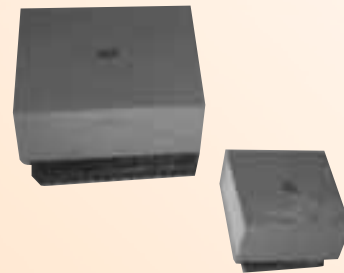
* Data provided on Suspension rate and Deformation are only informative.

* Data on Dynamic Suspension rate are provided for the frequency of 16,6 Hz and an amplitude of 10% static deformation.

2. Insulators ISTAKO PR and ISTAKO PRV

These insulators consist of slotted rubber springs glued in 4, 6 or 10 layers placed in a cast iron casing. ISTAKO PR and PRV insulators are not anchored to surface.

ISTAKO PR and PRV insulators are made in accordance with the PNT 02 8982 standard.



Insulators ISTAKO PR and ISTAKO PRV

Type	Rubber spring ČSN 635118 (pcs.)	Static perpendicular suspension rate (kN.m-1)	Dynamic perpendicular suspension rate (kN.m-1)	Static horizontal suspension rate (kN.m-1)	Dynamic horizontal suspension rate (kN.m-1)	Maximum load capacity (N)	Height (mm) (V)	Weight kg
PR 24						2500	47	1,2
PRV 24	4	383,6	585,7	92,2	137,3	2500	57	1,3
PR 26						2500	63	1,25
PRV 26	6	244,3	441,4	-	111,8	2500	73	1,35
PR 54						5000	51	2,35
PRV 54	4	632,7	1115,4	112,8	186,4	5000	64	2,65
PR 56						5000	67	2,5
PRV 56	6	484,6	1030,0	-	164,8	5000	80	2,8
PR 104						10000	58	4,9
PRV 104	4	1425,4	2400,5	268,8	496,4	10000	74	5,1
PR 106						10000	74	5,2
PRV 106	6	947,1	1938,4	192,3	276,6	10000	90	5,4
PR 1010						10000	106	5,8
PRV 1010	10	696,5	1168,4	75,5	137,3	10000	122	6,0
PR 204						20000	70	10,5
PRV 204	4	2681,1	4822,6	341,4	749,5	20000	86	11,9
PR 206						20000	86	11,1
PRV 206	6	1891,4	3813,1	352,2	439,5	20000	102	12,5
PR 2010						20000	118	12,3
PRV 2010	10	1175,2	2521,2	249,2	253,1	20000	134	13,7
PRV 406	2x6	3782,7	7626,3	704,4	878,9	40000	118	42,0
PRV 606	3x6	5674,1	11439,4	1056/5	1318,5	60000	118	64,0

ISTAKO steel spring insulators

Suitable for elastic support of fans, compressors, pumps, air compressors, diesel/gas/electric engines, diesel generators, turbines, mills, grinders and other machinery and equipment. These insulators consist of one or more steel springs placed in a casing made of plastic, cast metal or steel profiles. These insulators are made in accordance with the PNT O2 8980 standard. The ideal temperature for use is between -25°C and 70°C and relative humidity of max. 85%.

1. ISTAKO steel spring insulators

Available in a cast metal (P70s and P80s) or plastic (P40s and P60s) casing with the bottom part designed for anchoring. The bottom part is padded with a slotted rubber spring.



Overview of ISTAKO P40 and P60 insulators' features

Type	Perpendicular suspension rate (kN.m-1)	Static load capacity		Minimum machine rpm (min.-1)	Height (mm)	Weight (kg)
		min. (N)	max. (N)			
insulators type P 40						
P 41	3	20	80	520	90	0,59
P 42	5	80	195	400	90	0,60
P 43	11	195	390	420	90	0,60
P 44	17	390	590	420	90	0,68
P 45	18	155	245	700	72	0,59
P 46	30	245	490	600	84	0,70
P 47	45	490	785	600	84	0,67
P 48	12	80	155	680	84	0,58
insulators type P 60						
P 61	7	195	295	390	108	0,81
P 62	14	390	590	370	108	0,91
P 63	17	590	885	330	114	1,10
P 64	26	1175	1375	350	114	1,12
P 65	27	590	930	400	114	1,10
P 66	85	785	1470	580	108	0,92
P 67	111	1470	1865	580	108	1,20

Overview of ISTAKO P70 and P80 insulators' features

Type	Perpendicular suspension rate (kN.m-1)	Static load capacity		Height (mm)	Minimum machine rpm (min.-1)	Weight (kg)
		min. (N)	max. (N)			
insulators type P 70						
P 71	27	930	1175	108	370	8,71
P 72	33	1375	1765	108	330	9,10
P 73	55	1375	1865	108	400	9,00
P 74	171	1865	2945	108	580	8,85
P 75	222	2945	3730	108	580	9,30
P 76	265	3730	4710	108	560	9,40
insulators type P 80						
P 81	50	1765	2650	125	330	15,15
P 82	67	2650	3530	115	330	15,80
P 83	82	1865	2945	115	440	15,30
P 84	83	3530	4415	115	330	16,00
P 85	106	4415	5495	125	340	16,00
P 86	121	2945	4170	125	420	15,30
P 87	132	5495	6870	125	340	16,30
P 88	208	4170	6870	125	420	16,00
P 89	260	6865	8830	115	420	16,00
P 810	443	4710	7355	115	600	16,50
P 811	530	7355	9320	115	580	16,30
P 812	773	9320	13735	125	580	17,50
P 813	1091	13735	18640	125	580	17,90
P 820A	12	1325	1520	130	250	15,00
P 820B	12	1100	1315	150	270	15,00
P 820C	12	865	1090	170	300	15,00
P 820D	12	630	855	190	330	15,00
P 821A	25	2875	3190	170	250	16,50
P 821B	25	2365	2865	190	270	16,50
P 821C	25	1855	2355	210	300	16,50
P 821D	25	1355	1845	230	330	16,50
P 822A	45	4630	5200	180	260	17,20
P 822B	45	3740	4620	200	280	17,20
P 822C	45	2835	3730	220	310	17,20
P 822D	45	1940	2825	240	360	17,20

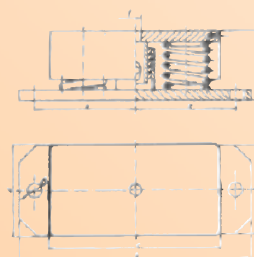
2. Self-Deflecting Insulators (SZ and SMZ types)

The insulator is provided with a cast metal casing. The design of the SZ line has a casing welded of profiled steel. The elastically mounted element is lifted into the operating position by releasing the pre-stressed spring. These insulators are individually projected according to customer's needs.

3. Special Support insulators:

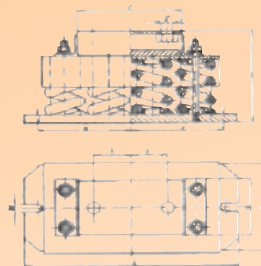
Type P 9.1, P 22.1, P 26.1, P 28.1, PT 1.1, PT 3.1, PT 4.1

Provided with a casing welded out of steel profiles and equipped with an axial clamp allowing elastic mounting on mobile platforms such as ships and train cars. The available types are P9.1, P22.1, P26.1 and P28.1.



4. Support Recovering Insulators (PZ type)

Supplied in casings welded of profiled steel. The elastically mounted element is lifted into the operational position by releasing the adjusting screws. These insulators are individually projected according to customer's needs.



5. Suspension Insulators (Z type)

The casing is welded of profiled steel. The elastically mounted element is lifted into the operating position by gradually tightening the rod nuts.

6. Suspension Recovering Insulators (ZZ type)

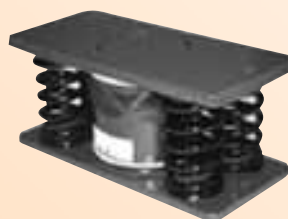
The casing is welded of profiled steel. The elastically mounted element is lifted into the operating position by gradually releasing the pre-stressed springs and by tightening the rod nuts.

7. PSP Insulators

Suitable for elastic support of acoustically demanding buildings. Maximum insulator frequency is 10 Hz and suspension rate is between 3 339 – 18 362 KN.m-1.

8. ISTAKO PVT Insulators

Used to mount equipment that is a source of impact, equipment producing critical rotation speed or the special mounting of equipment in tectonically active locations. Designed as an elastic mounting with silicon based vibration dampers.



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