




Isotop® MSN/Z, MSN/Z-LC and SD/Z

Tension elements as ceiling hanger for building services equipment

- Natural frequency from 3.2Hz
- Load capacities of up to 310 kg per spring (SD/Z)
- Secure connection between the plate and the spring thanks to special adhesive
- High level of corrosion protection
- M8 (MSN/Z and MSN/Z-LC) or M10 (SD/Z) internal thread
- Simple load control thanks to open design

		Maximum load		Natural frequency at maximum load	Packaging unit	Order number
		in kg	in N			
 MSN/Z	Isotop® MSN/Z 1	3	29	3.5 Hz	50 pcs.	39538
	Isotop® MSN/Z 2	5	49	3.5 Hz	50 pcs.	38850
	Isotop® MSN/Z 3	9	88	3.5 Hz	50 pcs.	38851
	Isotop® MSN/Z 4	14	137	3.5 Hz	50 pcs.	38643
	Isotop® MSN/Z 5	23	226	3.5 Hz	50 pcs.	38644
	Isotop® MSN/Z 6	35	343	3.5 Hz	50 pcs.	38852
	Isotop® MSN/Z 7	53	519	3.5 Hz	50 pcs.	38853
	Isotop® MSN/Z 8	90	883	3.5 Hz	50 pcs.	39539
 MSN/Z-LC	Isotop® MSN/Z-LC 1	3	29	3.5 Hz	50 pcs.	39540
	Isotop® MSN/Z-LC 2	5	49	3.5 Hz	50 pcs.	39541
	Isotop® MSN/Z-LC 3	9	88	3.5 Hz	50 pcs.	39542
	Isotop® MSN/Z-LC 4	14	137	3.5 Hz	50 pcs.	39543
	Isotop® MSN/Z-LC 5	23	226	3.5 Hz	50 pcs.	39544
	Isotop® MSN/Z-LC 6	35	343	3.5 Hz	50 pcs.	38548
	Isotop® MSN/Z-LC 7	53	519	3.5 Hz	50 pcs.	39545
	Isotop® MSN/Z-LC 8	90	883	3.5 Hz	50 pcs.	39546
 SD/Z	Isotop® SD/Z 1	20	196	3.2 Hz	10 pcs.	39547
	Isotop® SD/Z 2	33	324	3.2 Hz	10 pcs.	39548
	Isotop® SD/Z 3	52	510	3.2 Hz	10 pcs.	39549
	Isotop® SD/Z 4	82	804	3.2 Hz	10 pcs.	39550
	Isotop® SD/Z 5	123	1,206	3.2 Hz	10 pcs.	39551
	Isotop® SD/Z 6	195	1,913	3.2 Hz	10 pcs.	39552
	Isotop® SD/Z 7	310	3,041	3.2 Hz	10 pcs.	39553

MSN/Z-LC: Not held in stock. Delivery time on request (approx. 15 working days from the factory)

The Isotop® SD/Z and MSN/Z ceiling hangers are only suitable for use as pipe suspension in technical building services. This means for water, waste water, water heating systems and ventilation duct construction.

For pipes in industrial production processes that are subject to the requirements of EN 13480 or similar national standards, these ceiling hangers are not suitable, as the maximum deflection is limited (see graph).

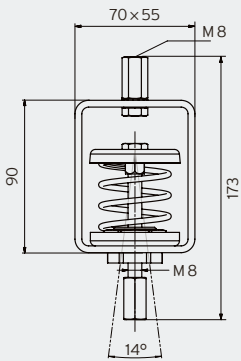


Decoupled pipes with SD/Z

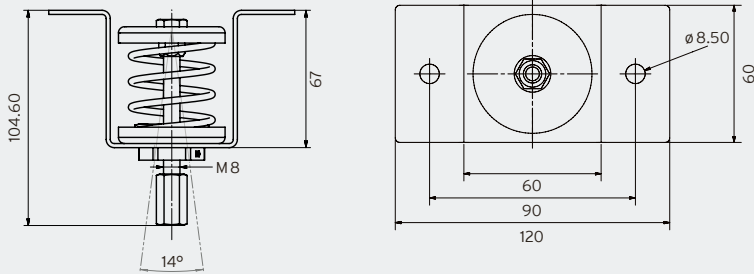


Ceiling hanger MSN/Z-LC

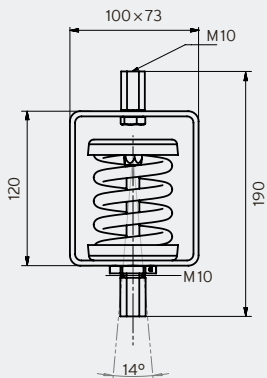
MSN/Z (unladen)



MSN/Z-LC (unladen)



SD/Z (unladen)



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