

Vibration isolation



Products for effective vibration isolation
of plants and machinery

ISO FED®
ISO FED®-DAMP
ISO ROHR®

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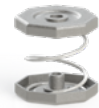
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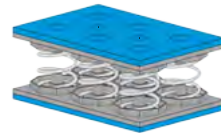
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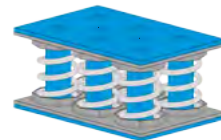


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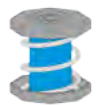
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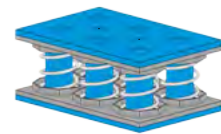
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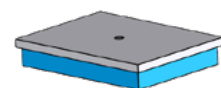
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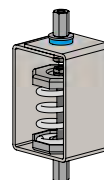


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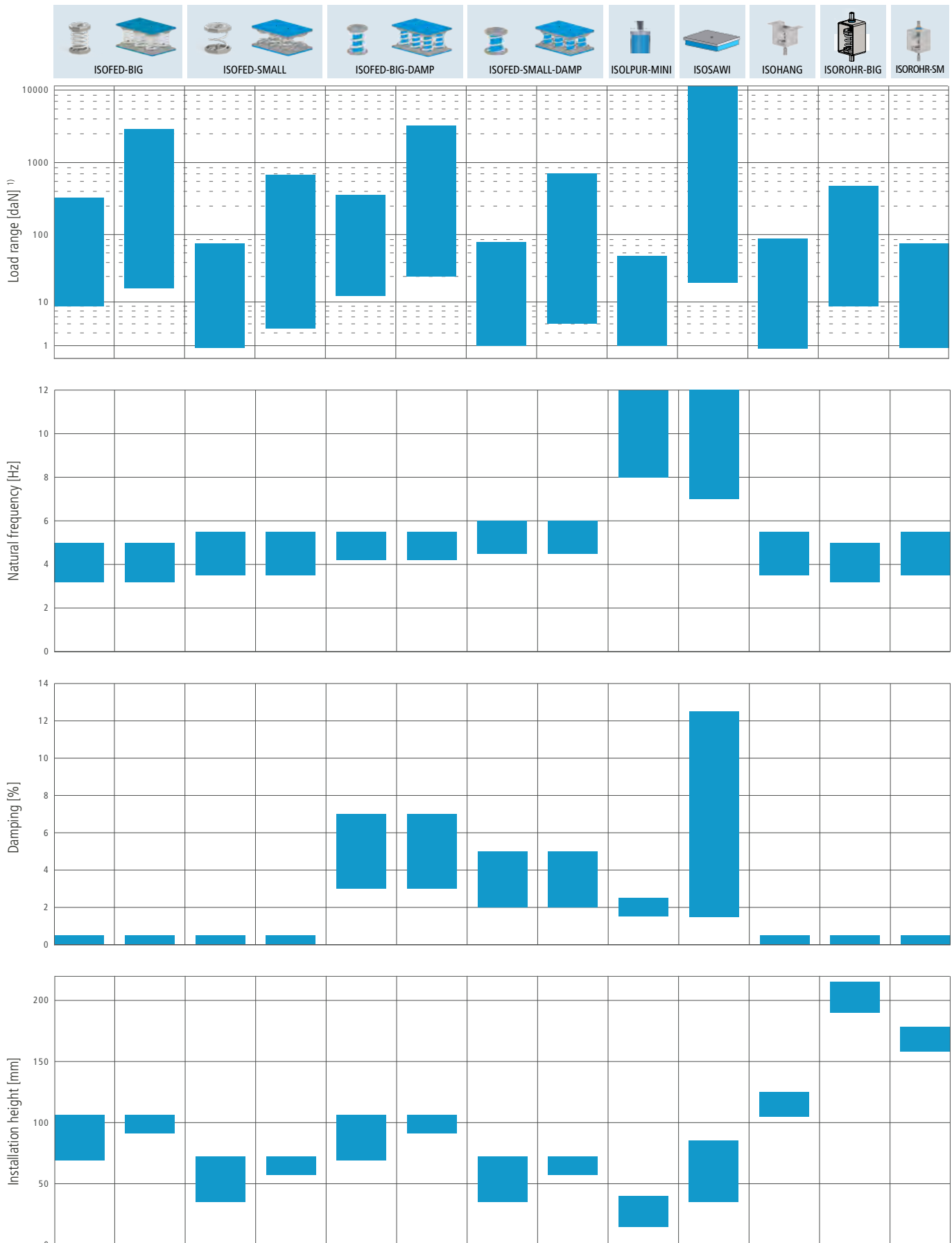


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¹⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

ISOFED®-BIG / ISOFED®-BIG-ONE

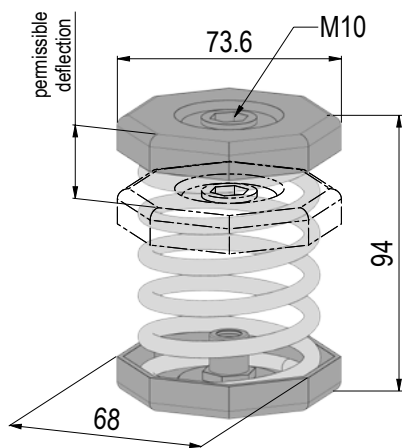
Areas of application

The ISOFED®-BIG range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, etc.

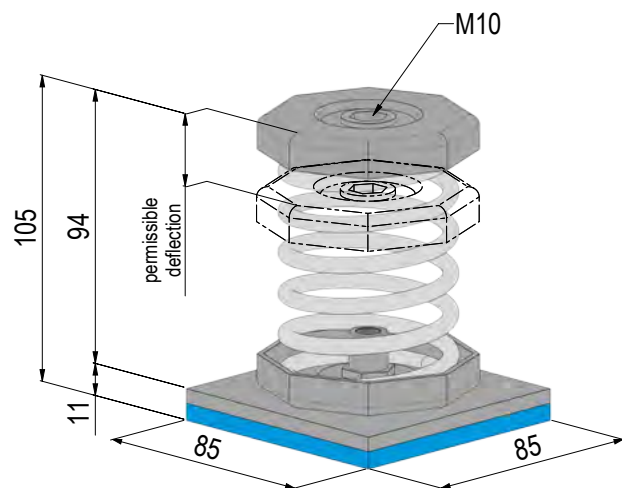
Specifications

Type	ISOFED®-BIG and ISOFED®-BIG-ONE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request. With head plate only, possible.
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.

ISOFED®-BIG

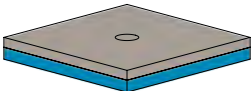
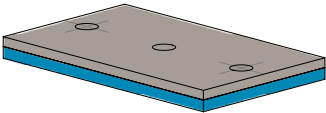


ISOFED®-BIG-ONE



Product		Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
without base plate	with base plate	N/mm	mm	Hz	daN ⁽³⁾	kN
ISOFED®-BIG 1	ISOFED®-BIG-ONE 1	6.7	25	3.2	17	0.17
ISOFED®-BIG 2	ISOFED®-BIG-ONE 2	12.4	25	3.2	31	0.31
ISOFED®-BIG 3	ISOFED®-BIG-ONE 3	18.9	25	3.2	47	0.47
ISOFED®-BIG 4	ISOFED®-BIG-ONE 4	28.8	25	3.2	72	0.72
ISOFED®-BIG 5	ISOFED®-BIG-ONE 5	52.1	25	3.2	130	1.30
ISOFED®-BIG 6	ISOFED®-BIG-ONE 6	85.1	25	3.2	213	2.13
ISOFED®-BIG 7	ISOFED®-BIG-ONE 7	130.1	25	3.2	325	3.25

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Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

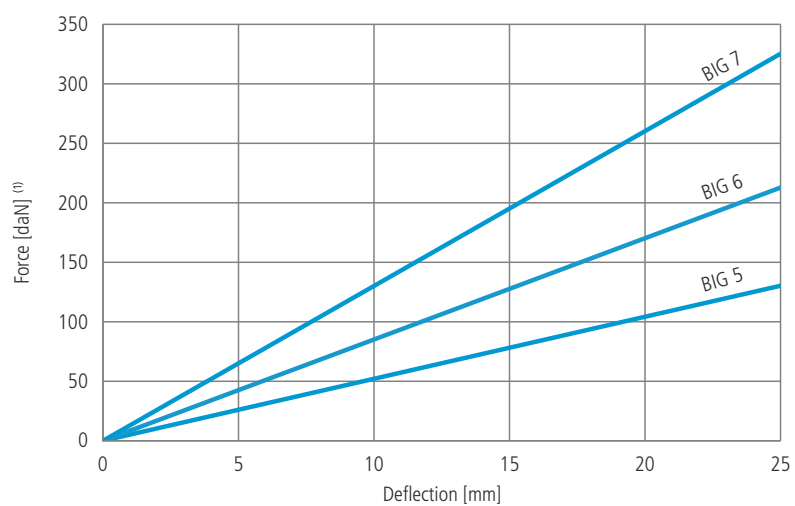
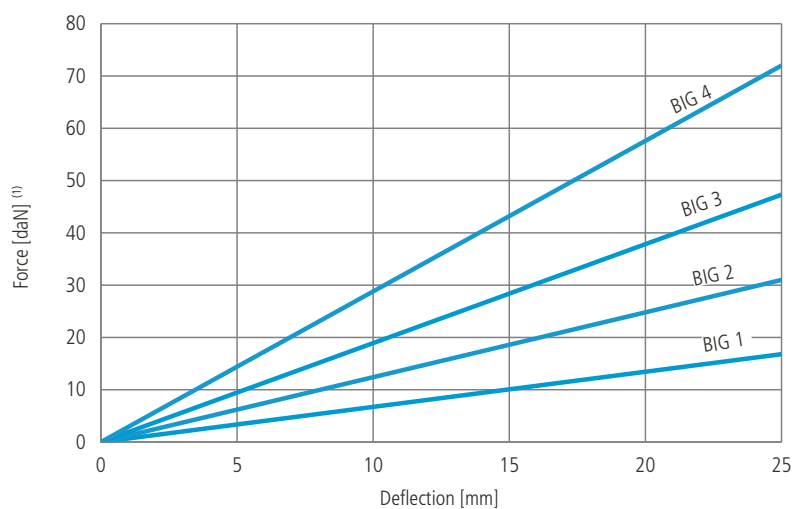
⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

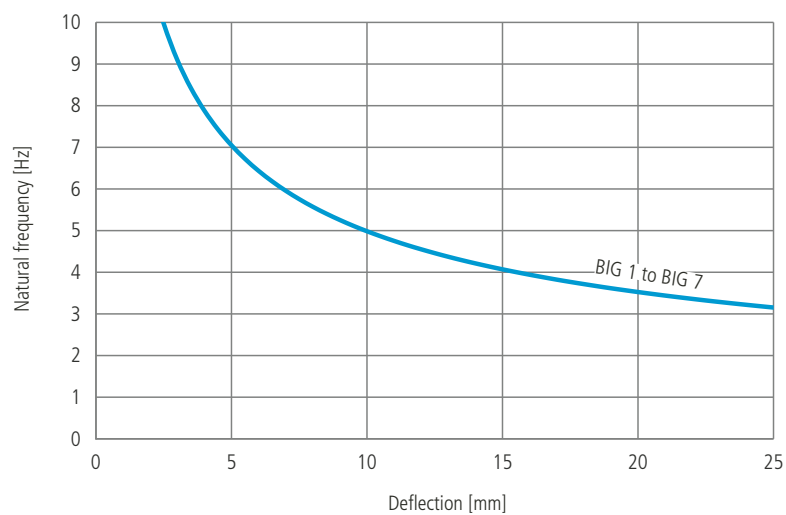
⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the cover

Diagrams ISOFED®-BIG

Deflection



Natural frequency



⁽¹⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

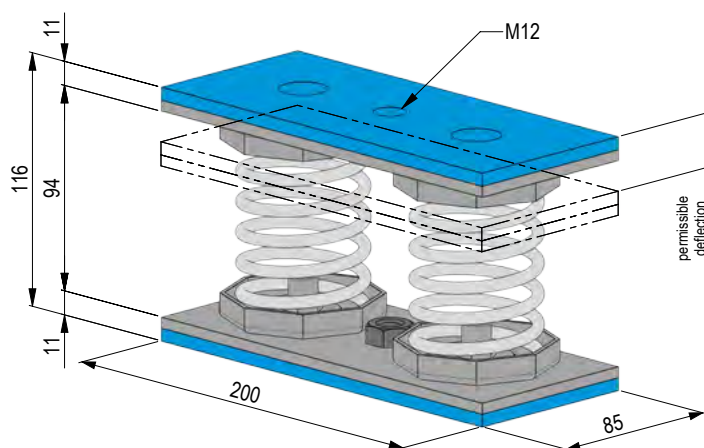
ISOFED®-BIG-TWO

Areas of application

The ISOFED®-BIG range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

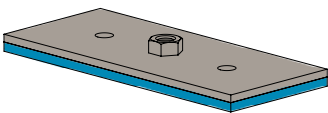
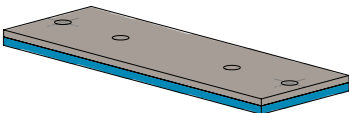
Specifications

Type	ISOFED®-BIG-TWO
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-BIG-TWO 1	13.4	25	3.2	34	0.34
ISOFED®-BIG-TWO 2	24.8	25	3.2	62	0.62
ISOFED®-BIG-TWO 3	37.8	25	3.2	95	0.94
ISOFED®-BIG-TWO 4	57.6	25	3.2	144	1.44
ISOFED®-BIG-TWO 5	104.2	25	3.2	261	2.61
ISOFED®-BIG-TWO 6	170.2	25	3.2	426	4.26
ISOFED®-BIG-TWO 7	260.2	25	3.2	651	6.51

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Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the head plate

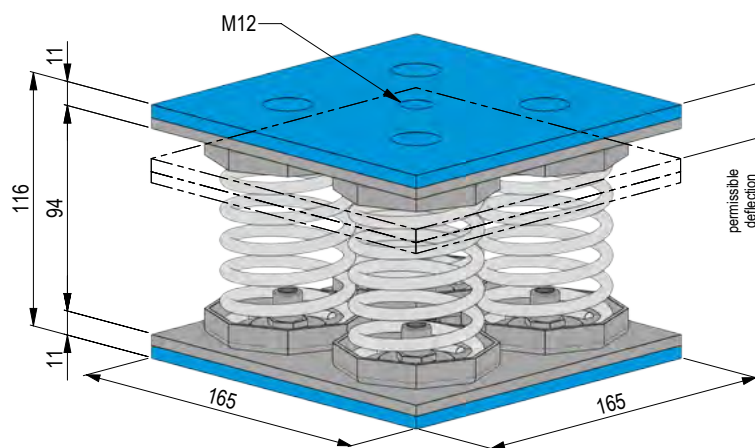
ISOFED®-BIG-FOUR

Areas of application

The ISOFED®-BIG range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

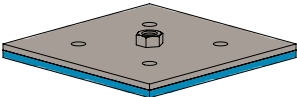
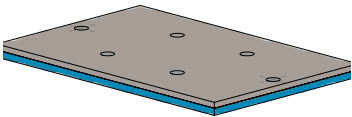
Specifications

Type	ISOFED®-BIG-FOUR
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-BIG-FOUR 1	26.8	25	3.2	67	0.67
ISOFED®-BIG-FOUR 2	49.6	25	3.2	124	1.24
ISOFED®-BIG-FOUR 3	75.6	25	3.2	189	1.89
ISOFED®-BIG-FOUR 4	115.1	25	3.2	288	2.88
ISOFED®-BIG-FOUR 5	208.4	25	3.2	521	5.21
ISOFED®-BIG-FOUR 6	340.4	25	3.2	851	8.51
ISOFED®-BIG-FOUR 7	520.4	25	3.1	1301	13.01

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Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the head plate

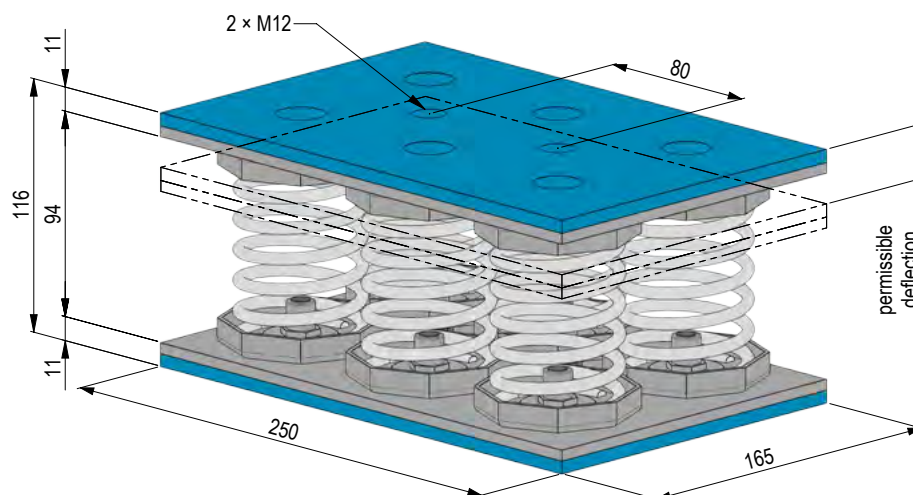
ISOFED®-BIG-SIX

Areas of application

The ISOFED®-BIG range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

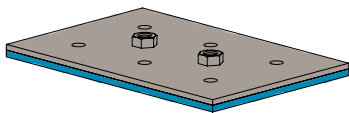
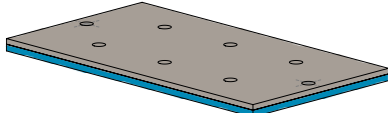
Specifications

Type	ISOFED®-BIG-SIX
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-BIG-SIX 1	40.2	25	3.2	101	1.01
ISOFED®-BIG-SIX 2	74.4	25	3.2	186	1.86
ISOFED®-BIG-SIX 3	113.4	25	3.2	284	2.84
ISOFED®-BIG-SIX 4	172.8	25	3.2	432	4.32
ISOFED®-BIG-SIX 5	312.6	25	3.2	782	7.82
ISOFED®-BIG-SIX 6	510.6	25	3.2	1277	12.77
ISOFED®-BIG-SIX 7	780.6	25	3.1	1952	19.52

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Head or base plate without anchoring holes	Base plate with anchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

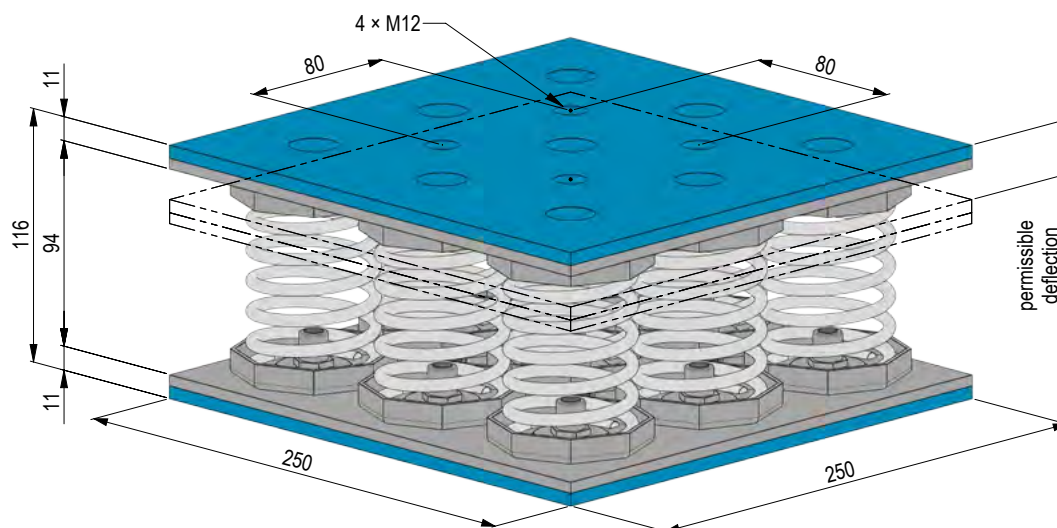
ISOFED®-BIG-NINE

Areas of application

The ISOFED®-BIG range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, etc.

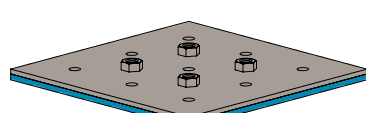
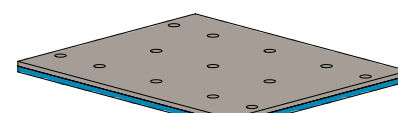
Specifications

Type	ISOFED®-BIG-NINE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-BIG-NINE 1	60.3	25	3.2	151	1.51
ISOFED®-BIG-NINE 2	111.6	25	3.2	279	2.79
ISOFED®-BIG-NINE 3	170.1	25	3.2	425	4.25
ISOFED®-BIG-NINE 4	259.2	25	3.2	648	6.48
ISOFED®-BIG-NINE 5	468.9	25	3.2	1172	11.72
ISOFED®-BIG-NINE 6	765.9	25	3.2	1915	19.15
ISOFED®-BIG-NINE 7	1170.9	25	3.1	2927	29.27

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Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

ISOFED®-SMALL / ISOFED®-SMALL-ONE

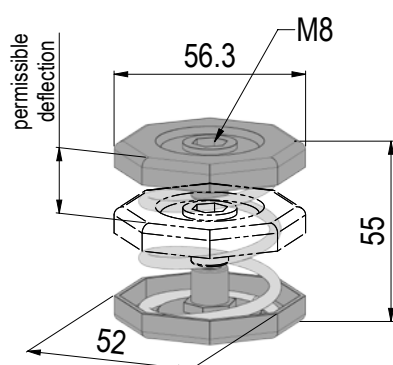
Areas of application

The ISOFED®-SMALL range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, etc.

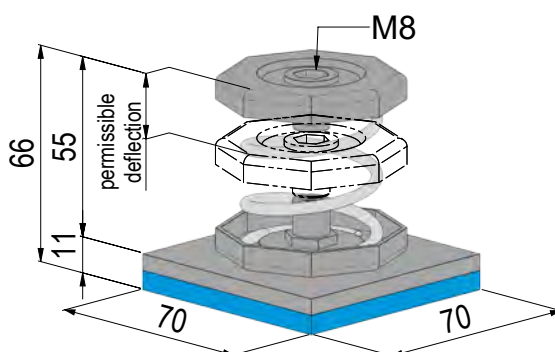
Specifications

Type	ISOFED®-SMALL and ISOFED®-SMALL-ONE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request. With head plate only, possible.
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.

ISOFED®-SMALL

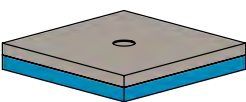
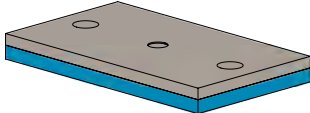


ISOFED®-SMALL-ONE



Product		Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
without base plate	with base plate	N/mm	mm	Hz	daN ⁽³⁾	kN
ISOFED®-SMALL 1	ISOFED®-SMALL-ONE 1	1.6	20	3.5	3.2	0.03
ISOFED®-SMALL 2	ISOFED®-SMALL-ONE 2	2.3	20	3.5	4.6	0.05
ISOFED®-SMALL 3	ISOFED®-SMALL-ONE 3	3.8	20	3.5	7.6	0.08
ISOFED®-SMALL 4	ISOFED®-SMALL-ONE 4	6.3	20	3.5	12.6	0.13
ISOFED®-SMALL 5	ISOFED®-SMALL-ONE 5	11.2	20	3.5	22.4	0.22
ISOFED®-SMALL 6	ISOFED®-SMALL-ONE 6	16.6	20	3.5	33.2	0.33
ISOFED®-SMALL 7	ISOFED®-SMALL-ONE 7	22.5	20	3.5	45.0	0.45
ISOFED®-SMALL 8	ISOFED®-SMALL-ONE 8	37.7	20	3.5	75.4	0.75

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with panchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

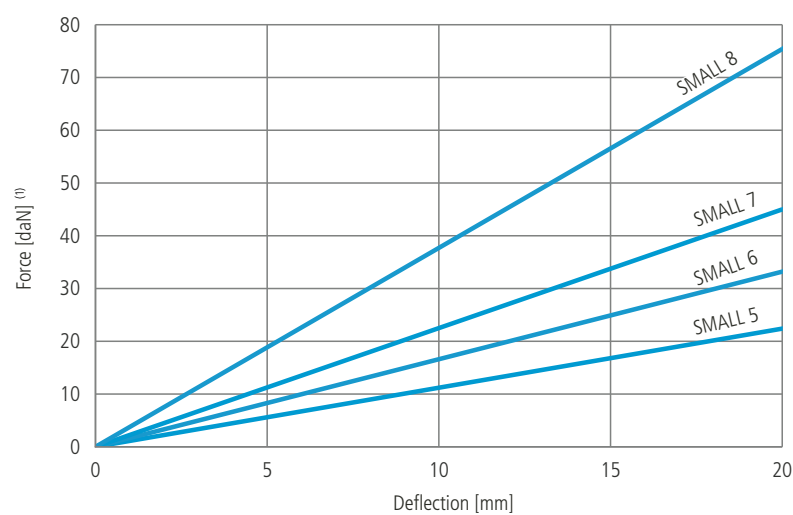
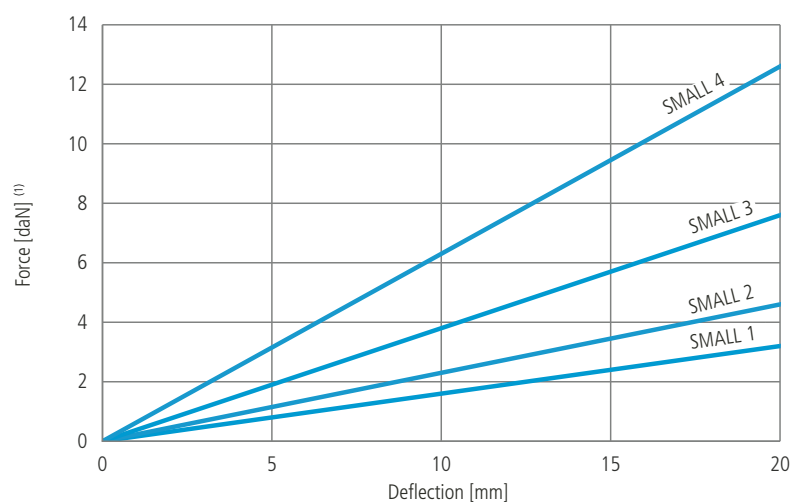
⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

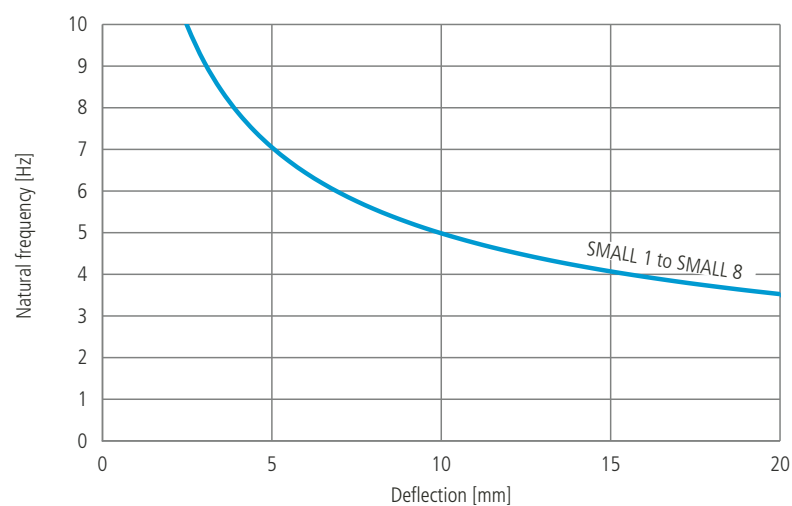
⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the cover

Diagrams ISOFED®-SMALL

Deflection



Natural frequency



⁽¹⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

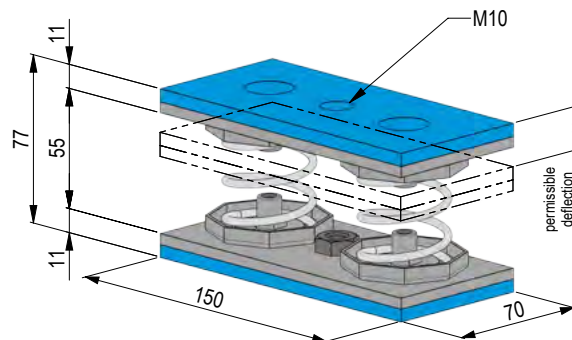
ISOFED®-SMALL-TWO

Areas of application

The ISOFED®-SMALL range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

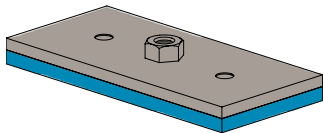
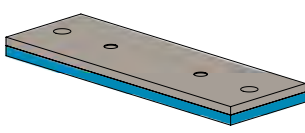
Specifications

Type	ISOFED®-SMALL-TWO
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-SMALL-TWO 1	3.2	20	3.5	6.4	0.06
ISOFED®-SMALL-TWO 2	4.6	20	3.5	9.2	0.09
ISOFED®-SMALL-TWO 3	7.6	20	3.5	15.2	0.15
ISOFED®-SMALL-TWO 4	12.6	20	3.5	25.2	0.25
ISOFED®-SMALL-TWO 5	22.4	20	3.5	44.8	0.45
ISOFED®-SMALL-TWO 6	33.2	20	3.5	66.4	0.66
ISOFED®-SMALL-TWO 7	45.0	20	3.5	90.0	0.90
ISOFED®-SMALL-TWO 8	75.4	20	3.5	150.8	1.51

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the head plate

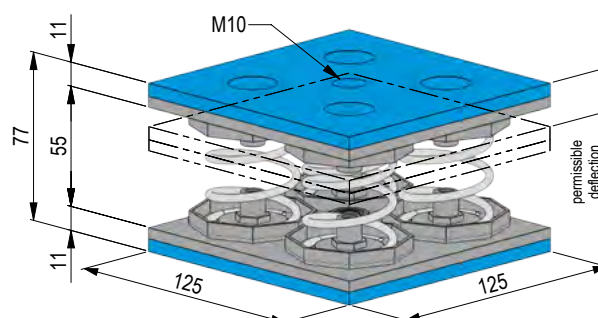
ISOFED®-SMALL-FOUR

Areas of application

The ISOFED®-SMALL range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

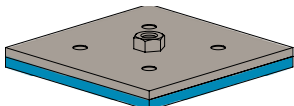
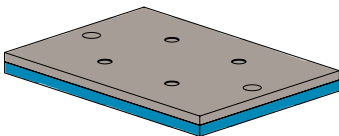
Specifications

Type	ISOFED®-SMALL-FOUR
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-SMALL-FOUR 1	6.4	20	3.5	12.8	0.13
ISOFED®-SMALL-FOUR 2	9.2	20	3.5	18.4	0.18
ISOFED®-SMALL-FOUR 3	15.2	20	3.5	30.4	0.30
ISOFED®-SMALL-FOUR 4	25.2	20	3.5	50.4	0.50
ISOFED®-SMALL-FOUR 5	44.8	20	3.5	89.6	0.90
ISOFED®-SMALL-FOUR 6	66.4	20	3.5	132.8	1.33
ISOFED®-SMALL-FOUR 7	90.0	20	3.5	180.0	1.80
ISOFED®-SMALL-FOUR 8	150.8	20	3.5	301.6	3.02

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Head or base plate without anchoring holes	Base plate with panchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the head plate

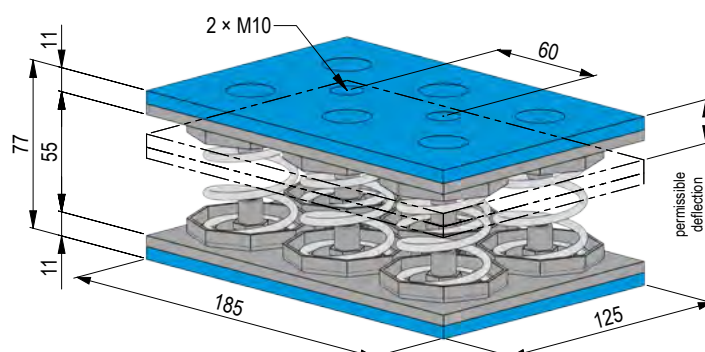
ISOFED®-SMALL-SIX

Areas of application

The ISOFED®-SMALL range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, etc.

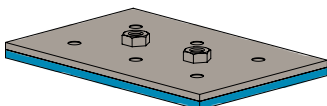
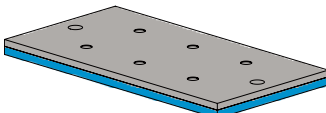
Specifications

Type	ISOFED®-SMALL-SIX
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-SMALL-SIX 1	9.6	20	3.5	19.2	0.19
ISOFED®-SMALL-SIX 2	13.8	20	3.5	27.6	0.28
ISOFED®-SMALL-SIX 3	22.8	20	3.5	45.6	0.46
ISOFED®-SMALL-SIX 4	37.8	20	3.5	75.6	0.76
ISOFED®-SMALL-SIX 5	67.2	20	3.5	134.4	1.34
ISOFED®-SMALL-SIX 6	99.6	20	3.5	199.2	1.99
ISOFED®-SMALL-SIX 7	135.0	20	3.5	270.0	2.70
ISOFED®-SMALL-SIX 8	226.2	20	3.5	452.4	4.52

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Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

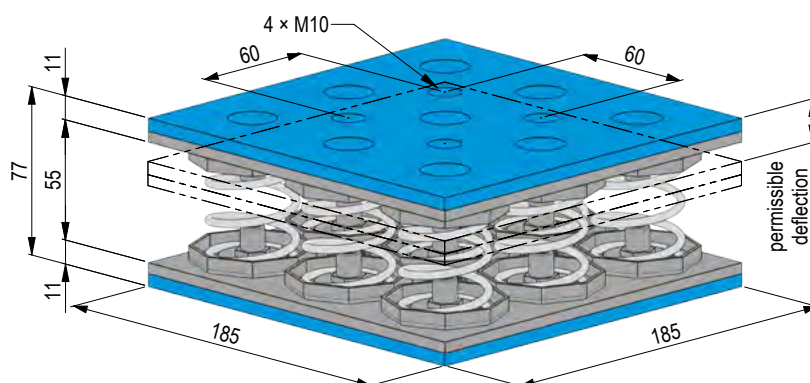
ISOFED®-SMALL-NINE

Areas of application

The ISOFED®-SMALL range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

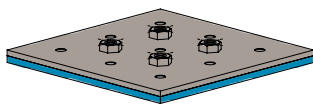
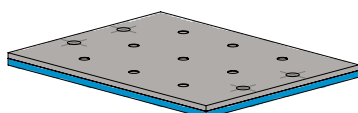
Specifications

Type	ISOFED®-SMALL-NINE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-SMALL-NINE 1	14.4	20	3.5	28.8	0.29
ISOFED®-SMALL-NINE 2	20.7	20	3.5	41.4	0.41
ISOFED®-SMALL-NINE 3	34.2	20	3.5	68.4	0.68
ISOFED®-SMALL-NINE 4	56.7	20	3.5	113.4	1.13
ISOFED®-SMALL-NINE 5	100.8	20	3.5	201.6	2.02
ISOFED®-SMALL-NINE 6	149.4	20	3.5	298.8	2.99
ISOFED®-SMALL-NINE 7	202.5	20	3.5	405.0	4.05
ISOFED®-SMALL-NINE 8	339.3	20	3.5	678.6	6.79

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Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

ISOFED®-BIG-DAMP / ISOFED®-BIG-DAMP-ONE

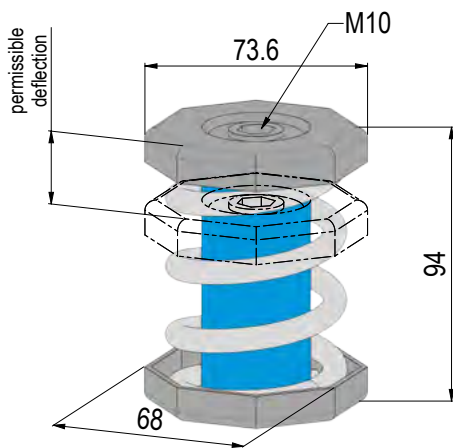
Areas of application

The ISOFED®-BIG-DAMP range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, washing machines etc.

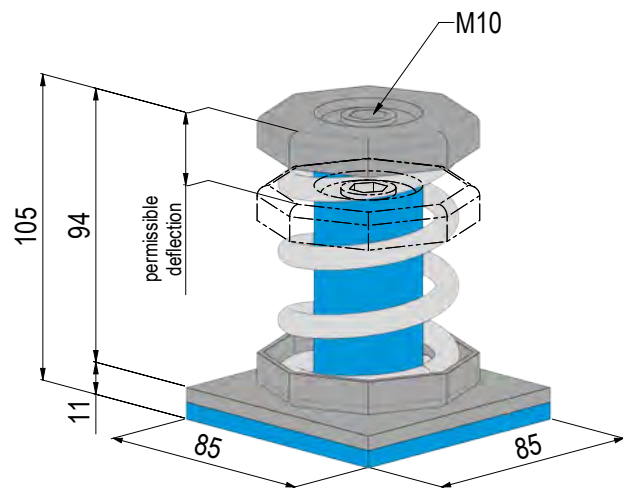
Specifications

Type	ISOFED®-BIG-DAMP und ISOFED®-BIG-DAMP-ONE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request. With head plate only, possible.
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration

ISOFED®-BIG-DAMP

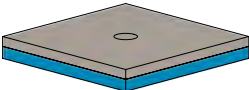
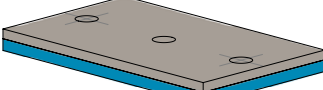


ISOFED®-BIG-DAMP-ONE



Product		Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁵⁾	Permissible load ⁽¹⁾	
without base plate	with base plate	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-BIG-DAMP 1	BIG-DAMP-ONE 1	25	4.2	3 – 7	25	0.25
ISOFED®-BIG-DAMP 2	BIG-DAMP-ONE 2	25	4.2	3 – 7	39	0.39
ISOFED®-BIG-DAMP 3	BIG-DAMP-ONE 3	25	4.2	3 – 7	55	0.55
ISOFED®-BIG-DAMP 4	BIG-DAMP-ONE 4	25	4.2	3 – 7	80	0.80
ISOFED®-BIG-DAMP 5	BIG-DAMP-ONE 5	25	4.2	3 – 7	150	1.50
ISOFED®-BIG-DAMP 6	BIG-DAMP-ONE 6	25	4.2	3 – 7	233	2.33
ISOFED®-BIG-DAMP 7	BIG-DAMP-ONE 7	25	4.2	3 – 7	355	3.55

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Head or base plate without anchoring holes	Base plate with panchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

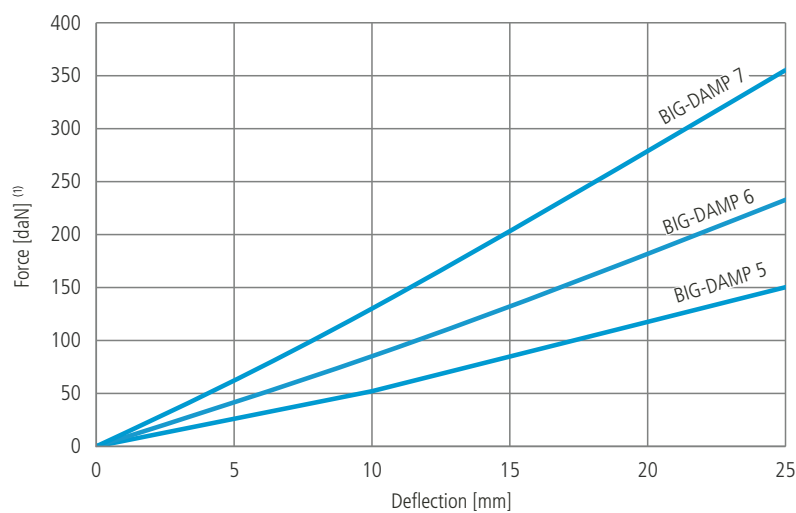
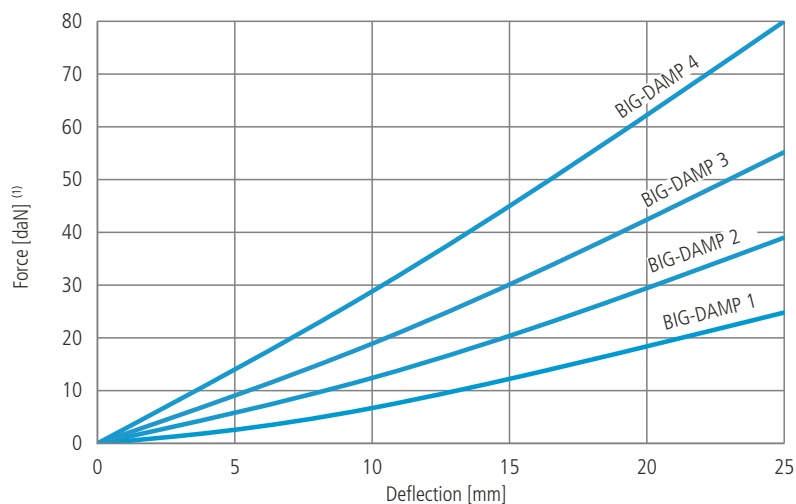
⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the cover

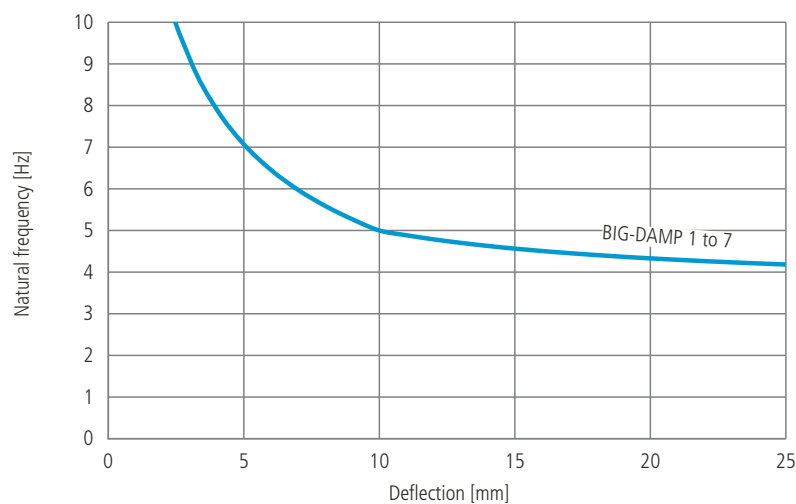
⁽⁵⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

Diagrams ISOFED®-BIG-DAMP

Deflection



Natural frequency



⁽¹⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

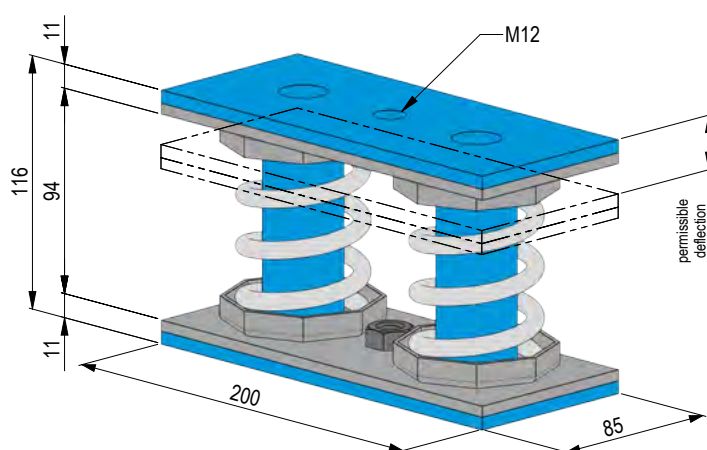
ISOFED®-BIG-DAMP-TWO

Areas of application

The ISOFED®-BIG-DAMP range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, washing machines etc.

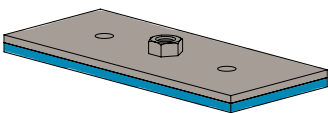
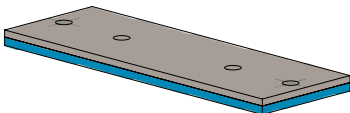
Specifications

Type	ISOFED®-BIG-DAMP-TWO
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Einzelne Federn können modular mit Kopf- und/oder Fussplatten ausgestattet werden. Ebenso können Federpakete zusammengestellt werden.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁵⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOFED®-BIG-DAMP-TWO 1	25	4.2	3 – 7	50	0.50
ISOFED®-BIG-DAMP-TWO 2	25	4.2	3 – 7	78	0.78
ISOFED®-BIG-DAMP-TWO 3	25	4.2	3 – 7	110	1.10
ISOFED®-BIG-DAMP-TWO 4	25	4.2	3 – 7	160	1.60
ISOFED®-BIG-DAMP-TWO 5	25	4.2	3 – 7	301	3.01
ISOFED®-BIG-DAMP-TWO 6	25	4.2	3 – 7	466	4.66
ISOFED®-BIG-DAMP-TWO 7	25	4.2	3 – 7	711	7.11

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Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the head plate

⁽⁵⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

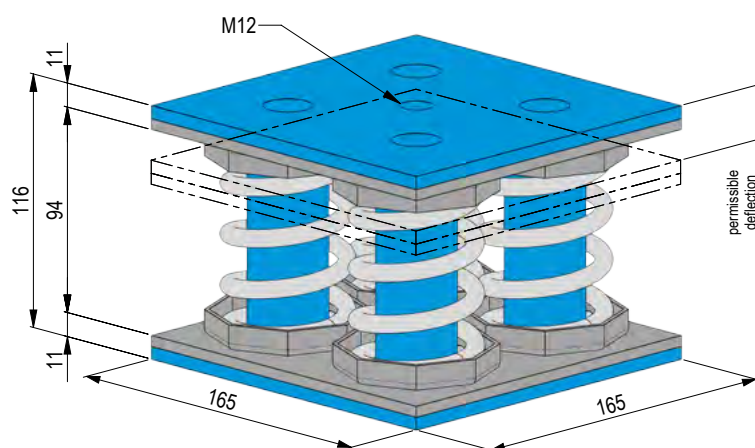
ISOFED®-BIG-DAMP-FOUR

Areas of application

The ISOFED®-BIG-DAMP range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, washing machines etc.

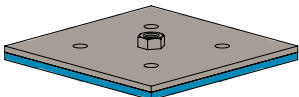
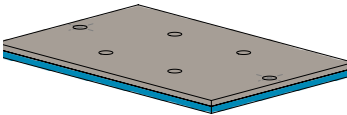
Specifications

Type	ISOFED®-BIG-DAMP-FOUR
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁵⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-BIG-DAMP-FOUR 1	25	4.2	3 – 7	99	0.99
ISOFED®-BIG-DAMP-FOUR 2	25	4.2	3 – 7	156	1.56
ISOFED®-BIG-DAMP-FOUR 3	25	4.2	3 – 7	221	2.21
ISOFED®-BIG-DAMP-FOUR 4	25	4.2	3 – 7	320	3.20
ISOFED®-BIG-DAMP-FOUR 5	25	4.2	3 – 7	601	6.01
ISOFED®-BIG-DAMP-FOUR 6	25	4.2	3 – 7	931	9.31
ISOFED®-BIG-DAMP-FOUR 7	25	4.2	3 – 7	1421	14.21

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the head plate

⁽⁵⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

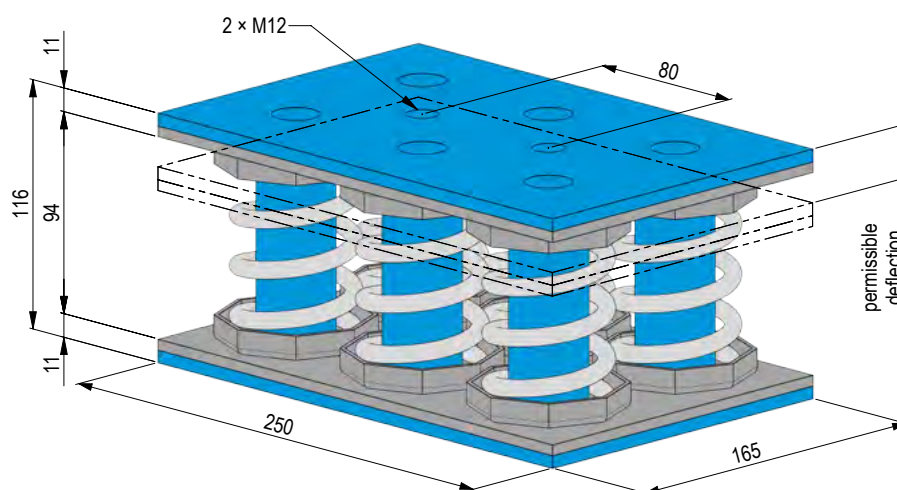
ISOFED®-BIG-DAMP-SIX

Areas of application

The ISOFED®-BIG-DAMP range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, washing machines etc.

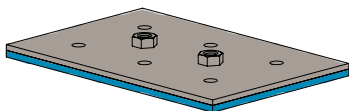
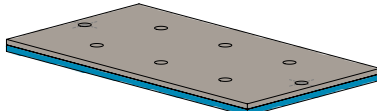
Specifications

Type	ISOFED®-BIG-DAMP-SIX
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁴⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-BIG-DAMP-SIX 1	25	4.2	3 – 7	149	1.49
ISOFED®-BIG-DAMP-SIX 2	25	4.2	3 – 7	234	2.34
ISOFED®-BIG-DAMP-SIX 3	25	4.2	3 – 7	331	3.31
ISOFED®-BIG-DAMP-SIX 4	25	4.2	3 – 7	480	4.80
ISOFED®-BIG-DAMP-SIX 5	25	4.2	3 – 7	902	9.02
ISOFED®-BIG-DAMP-SIX 6	25	4.2	3 – 7	1397	13.97
ISOFED®-BIG-DAMP-SIX 7	25	4.2	3 – 7	2132	21.32

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

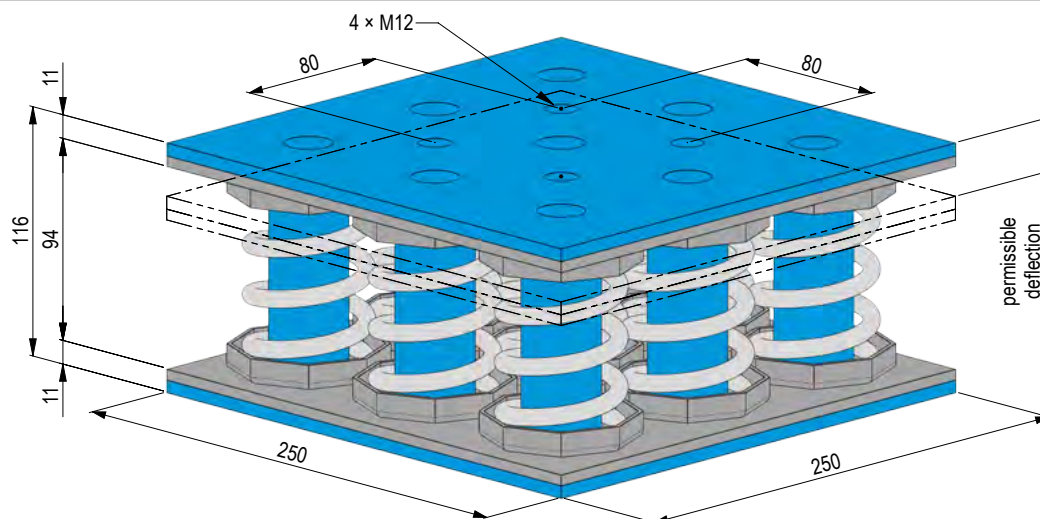
ISOFED®-BIG-DAMP-NINE

Areas of application

The ISOFED®-BIG-DAMP range is used for vibration and structure-borne sound insulation of building services equipment and machinery such as ventilation systems, chillers, recoilers, heat pumps, emergency power generators, IT data servers, pumps, washing machines etc.

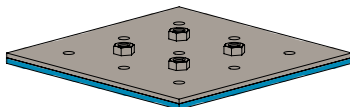
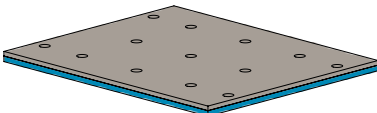
Specifications

Type	ISOFED®-BIG-DAMP-NINE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁴⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-BIG-DAMP-NINE 1	25	4.2	3 – 7	223	2.23
ISOFED®-BIG-DAMP-NINE 2	25	4.2	3 – 7	351	3.51
ISOFED®-BIG-DAMP-NINE 3	25	4.2	3 – 7	497	4.97
ISOFED®-BIG-DAMP-NINE 4	25	4.2	3 – 7	720	7.20
ISOFED®-BIG-DAMP-NINE 5	25	4.2	3 – 7	1353	13.53
ISOFED®-BIG-DAMP-NINE 6	25	4.2	3 – 7	2095	20.95
ISOFED®-BIG-DAMP-NINE 7	25	4.2	3 – 7	3198	31.98

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

ISOFED®-SMALL-DAMP / ISOFED®-SMALL-DAMP-ONE

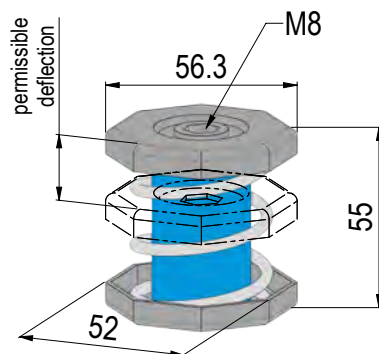
Areas of application

The ISOFED®-SMALL-DAMP programme consists of modular, combinable steel spring isolators for vibration and structure-borne noise insulation in ventilation and air conditioning systems and machines such as compact ventilation units, refrigeration machines, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

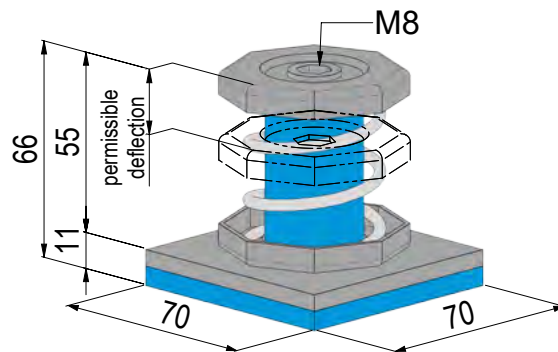
Specifications

Type	ISOFED®-SMALL-DAMP and ISOFED®-SMALL-DAMP-ONE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request. With head plate only, possible.
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration

ISOFED®-SMALL-DAMP

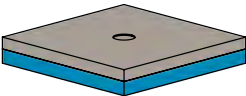
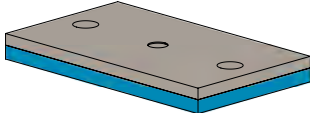


ISOFED®-SMALL-DAMP-ONE



Product		Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁵⁾	Permissible load ⁽¹⁾	
without base plate	with base plate	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-SMALL-DAMP 1	SMALL-DAMP-ONE 1	20	4.5	2 – 5	4	0.04
ISOFED®-SMALL-DAMP 2	SMALL-DAMP-ONE 2	20	4.5	2 – 5	6	0.06
ISOFED®-SMALL-DAMP 3	SMALL-DAMP-ONE 3	20	4.5	2 – 5	9	0.09
ISOFED®-SMALL-DAMP 4	SMALL-DAMP-ONE 4	20	4.5	2 – 5	14	0.14
ISOFED®-SMALL-DAMP 5	SMALL-DAMP-ONE 5	20	4.5	2 – 5	26	0.26
ISOFED®-SMALL-DAMP 6	SMALL-DAMP-ONE 6	20	4.5	2 – 5	37	0.37
ISOFED®-SMALL-DAMP 7	SMALL-DAMP-ONE 7	20	4.5	2 – 5	49	0.49
ISOFED®-SMALL-DAMP 8	SMALL-DAMP-ONE 8	20	4.5	2 – 5	79	0.79

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁴⁾	Height adjustment ⁽⁴⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

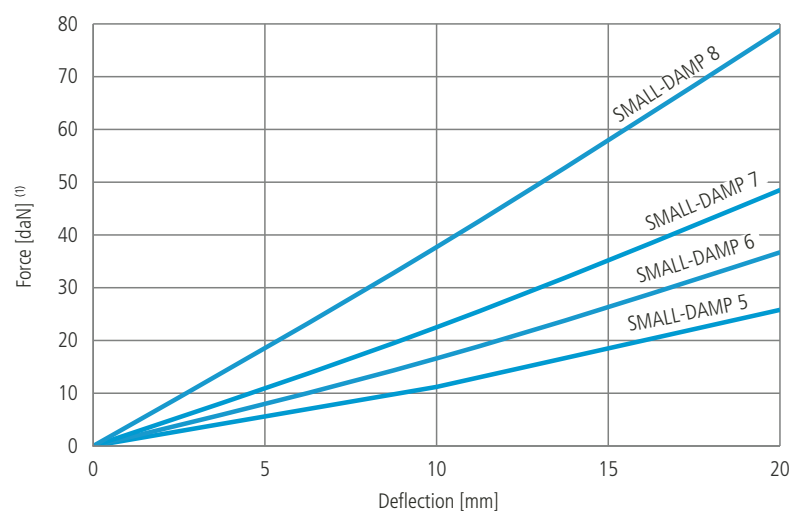
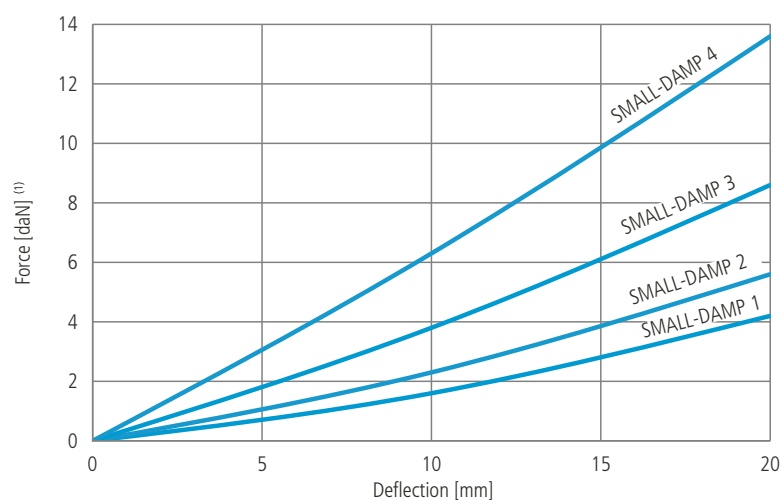
⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Thread adapters or height adjustment devices can be mounted on the cover

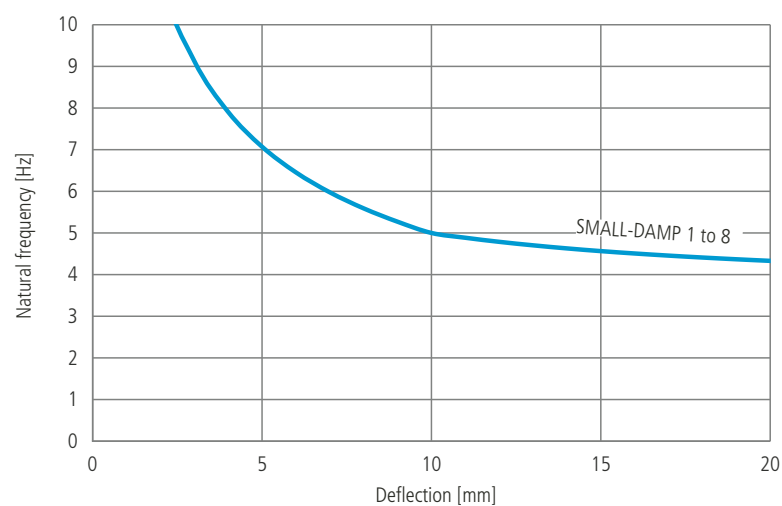
⁽⁵⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

Diagrams ISOFED®-SMALL-DAMP

Deflection



Natural frequency



⁽¹⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

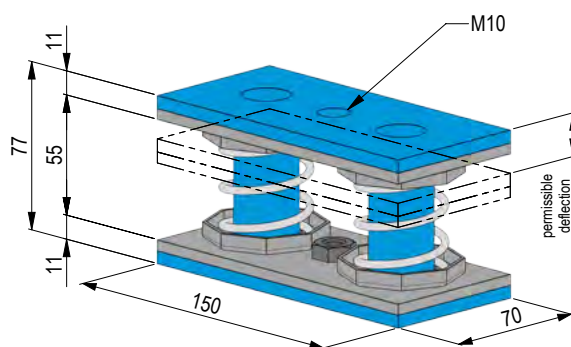
ISOFED®-SMALL-DAMP-TWO

Areas of application

The ISOFED®-SMALL-DAMP programme consists of modular, combinable steel spring isolators for vibration and structure-borne noise insulation in ventilation and air conditioning systems and machines such as compact ventilation units, refrigeration machines, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

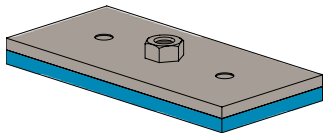
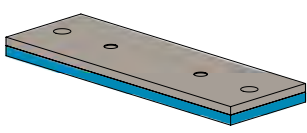
Specifications

Type	ISOFED®-SMALL-DAMP-TWO
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁴⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-SMALL-DAMP-TWO 1	20	4.5	2 – 5	8	0.08
ISOFED®-SMALL-DAMP-TWO 2	20	4.5	2 – 5	11	0.11
ISOFED®-SMALL-DAMP-TWO 3	20	4.5	2 – 5	17	0.17
ISOFED®-SMALL-DAMP-TWO 4	20	4.5	2 – 5	27	0.27
ISOFED®-SMALL-DAMP-TWO 5	20	4.5	2 – 5	52	0.52
ISOFED®-SMALL-DAMP-TWO 6	20	4.5	2 – 5	73	0.73
ISOFED®-SMALL-DAMP-TWO 7	20	4.5	2 – 5	97	0.97
ISOFED®-SMALL-DAMP-TWO 8	20	4.5	2 – 5	158	1.58

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁵⁾	Height adjustment ⁽⁵⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

⁽⁵⁾ Thread adapters or height adjustment devices can be mounted on the head plate

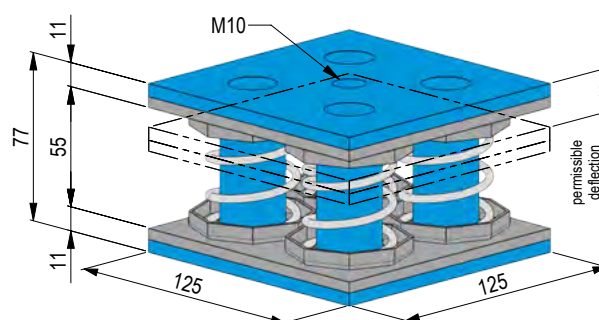
ISOFED®-SMALL-DAMP-FOUR

Areas of application

The ISOFED®-SMALL-DAMP programme consists of modular, combinable steel spring isolators for vibration and structure-borne noise insulation in ventilation and air conditioning systems and machines such as compact ventilation units, refrigeration machines, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

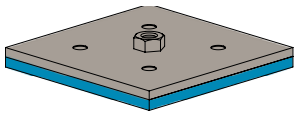
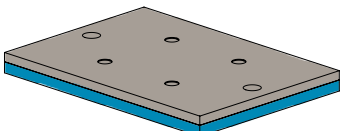
Specifications

Type	ISOFED®-SMALL-DAMP-FOUR
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁴⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-SMALL-DAMP-FOUR 1	20	4.5	2 – 5	17	0.17
ISOFED®-SMALL-DAMP-FOUR 2	20	4.5	2 – 5	22	0.22
ISOFED®-SMALL-DAMP-FOUR 3	20	4.5	2 – 5	34	0.34
ISOFED®-SMALL-DAMP-FOUR 4	20	4.5	2 – 5	54	0.54
ISOFED®-SMALL-DAMP-FOUR 5	20	4.5	2 – 5	103	1.03
ISOFED®-SMALL-DAMP-FOUR 6	20	4.5	2 – 5	147	1.47
ISOFED®-SMALL-DAMP-FOUR 7	20	4.5	2 – 5	194	1.94
ISOFED®-SMALL-DAMP-FOUR 8	20	4.5	2 – 5	315	3.15

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with anchoring holes	Thread adapter ⁽⁵⁾	Height adjustment ⁽⁵⁾
			

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

⁽⁵⁾ Thread adapters or height adjustment devices can be mounted on the head plate

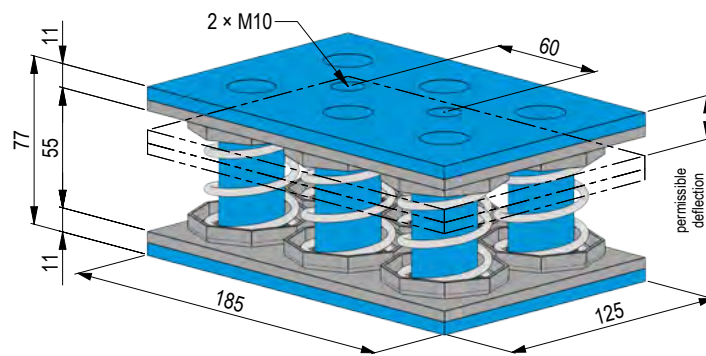
ISOFED®-SMALL-DAMP-SIX

Areas of application

The ISOFED®-SMALL-DAMP programme consists of modular, combinable steel spring isolators for vibration and structure-borne noise insulation in ventilation and air conditioning systems and machines such as compact ventilation units, refrigeration machines, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

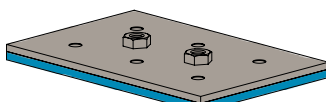
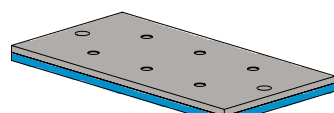
Specifications

Type	ISOFED®-SMALL-DAMP-SIX
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁴⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-SMALL-DAMP-SIX 1	20	4.5	2 – 5	25	0.25
ISOFED®-SMALL-DAMP-SIX 2	20	4.5	2 – 5	34	0.34
ISOFED®-SMALL-DAMP-SIX 3	20	4.5	2 – 5	52	0.52
ISOFED®-SMALL-DAMP-SIX 4	20	4.5	2 – 5	82	0.82
ISOFED®-SMALL-DAMP-SIX 5	20	4.5	2 – 5	155	1.55
ISOFED®-SMALL-DAMP-SIX 6	20	4.5	2 – 5	220	2.20
ISOFED®-SMALL-DAMP-SIX 7	20	4.5	2 – 5	291	2.91
ISOFED®-SMALL-DAMP-SIX 8	20	4.5	2 – 5	473	4.73

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

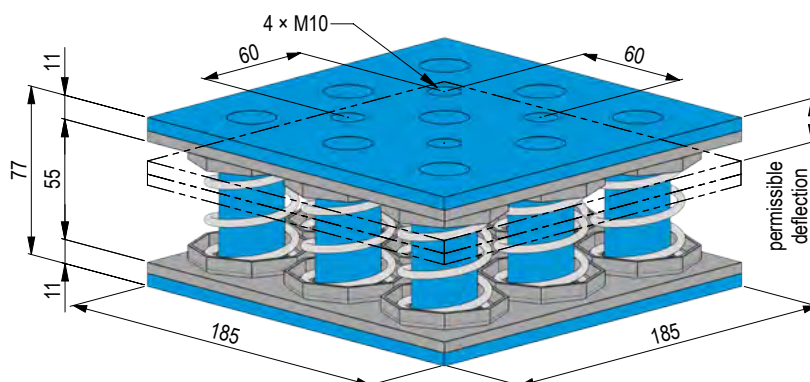
ISOFED®-SMALL-DAMP-NINE

Areas of application

The ISOFED®-SMALL-DAMP programme consists of modular, combinable steel spring isolators for vibration and structure-borne noise insulation in ventilation and air conditioning systems and machines such as compact ventilation units, refrigeration machines, recoolers, heat pumps, emergency power generators, IT data servers, pumps, etc.

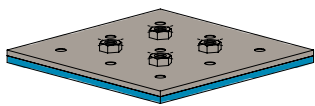
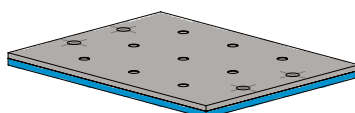
Specifications

Type	ISOFED®-SMALL-DAMP-NINE
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Execution	Including screwed headplate top and bottom
Options	Individual springs can be equipped modularly with head and/or base plates. Spring sets can also be assembled.
Colour	The colour of the damper may differ from the illustration



Product	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Damping ⁽⁴⁾	Permissible load ⁽¹⁾	
	mm	Hz	%	daN ⁽³⁾	kN
ISOFED®-SMALL-DAMP-NINE 1	20	4.5	2 – 5	38	0.38
ISOFED®-SMALL-DAMP-NINE 2	20	4.5	2 – 5	50	0.50
ISOFED®-SMALL-DAMP-NINE 3	20	4.5	2 – 5	77	0.77
ISOFED®-SMALL-DAMP-NINE 4	20	4.5	2 – 5	122	1.22
ISOFED®-SMALL-DAMP-NINE 5	20	4.5	2 – 5	232	2.32
ISOFED®-SMALL-DAMP-NINE 6	20	4.5	2 – 5	330	3.30
ISOFED®-SMALL-DAMP-NINE 7	20	4.5	2 – 5	437	4.37
ISOFED®-SMALL-DAMP-NINE 8	20	4.5	2 – 5	709	7.09

Accessories and supplements: Page 36 – 39

Head or base plate without anchoring holes	Base plate with panchoring holes
	

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

⁽⁴⁾ Damping only takes effect from a deflection of 10 mm. Varies depending on load and vibration amplitude.

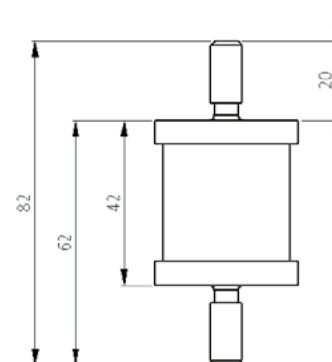
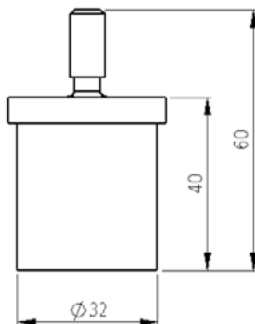
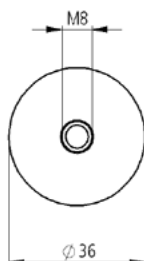
ISOLPUR®-MINI – Vibration absorber

Areas of application

ISOLPUR-MINI® Vibration dampers are used for mounting compact components, aggregates and small systems such as fans, heat pumps, compressors and air conditioning systems.

Specifications

Scope of application	inside and outside
Caps	made of high-strength PA
Damping element	PUR
Screw fitting	M8 threaded bolt (single-sided or double-sided)
Options	For higher quantities, dampers can be supplied with individual load ranges and natural frequencies
Colour	The colour of the damper may differ from the illustration



Product	Natural frequency ⁽¹⁾	Damping ⁽²⁾	Permissible load	
			daN ⁽³⁾	kN
ISOLPUR®-MINI 10	8.5	1 – 3	10	0.10
ISOLPUR®-MINI 20	9.7	1 – 3	20	0.20
ISOLPUR®-MINI 35	9.2	1 – 3	35	0.35
ISOLPUR®-MINI 50	9.4	1 – 3	50	0.50

For higher quantities, dampers can be supplied with individual load ranges and natural frequencies.

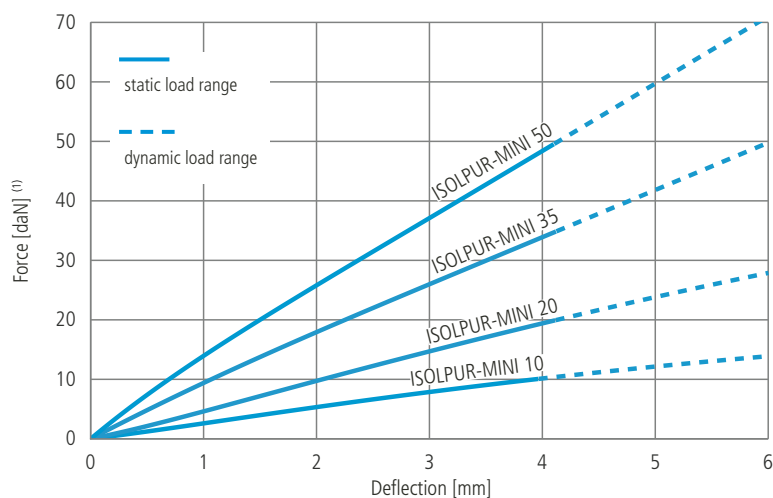
⁽¹⁾ At maximum load

⁽²⁾ Variiert je nach Last und Schwingungsamplitude.

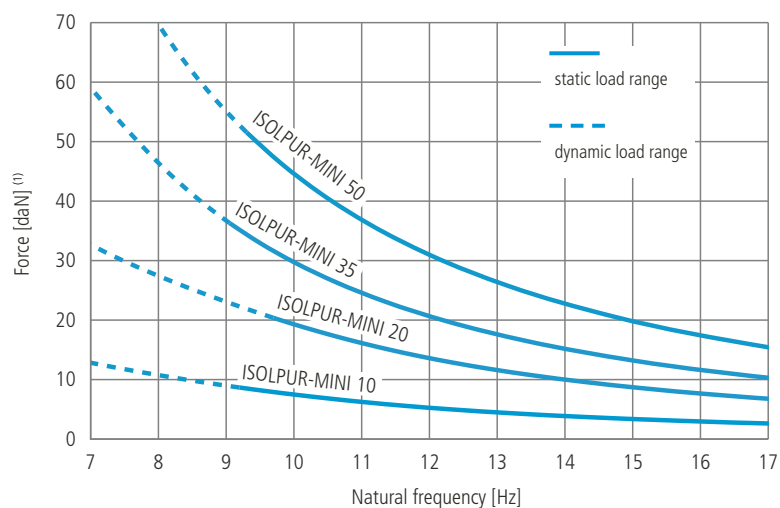
⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

Diagrams ISOLPUR®-MINI

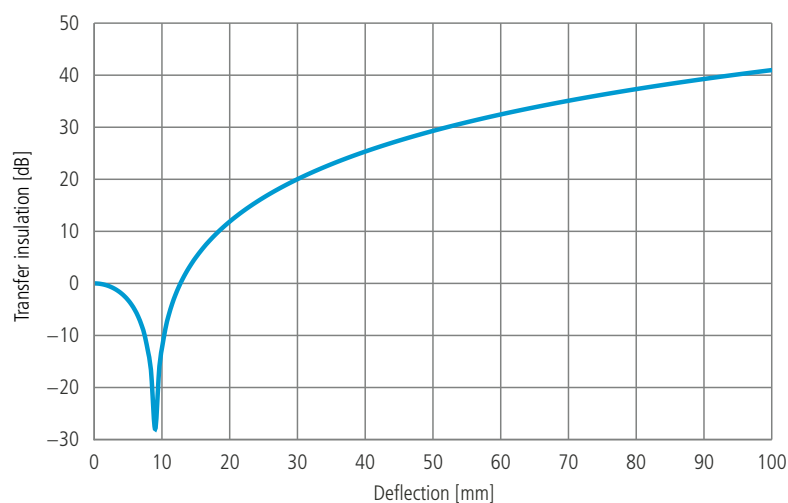
Deflection



Natural frequency



Übertragungsdämmung



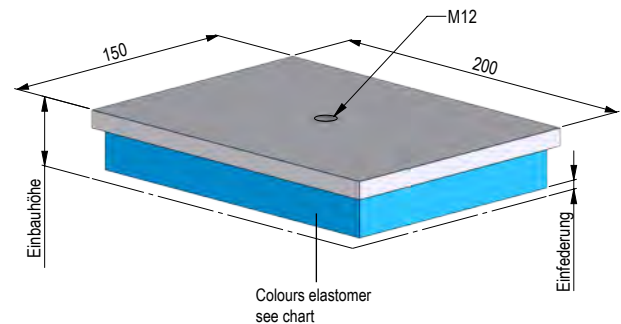
ISOSAWI 25

Areas of application

The ISOSAWI is mainly used for the support of punching, pressing and embossing machines, as well as for refrigerating machines and for combined heat and power units (CHP). Due to their design, they provide optimum load distribution for narrow frame constructions or small machine supports. They are characterised by natural frequencies/resonances from 8 Hz and by an optimal interaction of isolation and damping.

Specifications

Type	ISOSAWI
Corrosion protection	Hot-dip galvanised steel plate
Scope of application	Inside (ISOSAWI-P...) / outside (ISOSAWI-PN...)
Colour Elastomer	see colour spectrum in tables below

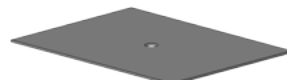


Type for indoor use	Installation height [mm]	Load daN	Load kN	(1) Δh [mm]	(2) f_0 [Hz]
ISOSAWI-P11-25	35	25	0.25	2.0	13
ISOSAWI-P16-25	35	41	0.41	2.0	15
ISOSAWI-P26-25	35	65	0.65	2.5	14
ISOSAWI-P40-25	35	103	1.03	2.0	14
ISOSAWI-P55-25	35	140	1.40	2.0	14
ISOSAWI-P65-25	35	163	1.63	2.0	14
ISOSAWI-P110-25	35	265	2.65	2.0	14
ISOSAWI-P170-25	35	389	3.89	2.5	13
ISOSAWI-P260-25	35	606	6.06	2.5	13
ISOSAWI-P400-25	35	934	9.34	3.0	12
ISOSAWI-P650-25	35	1660	6.60	3.0	13
ISOSAWI-P950-25	35	2299	2.99	3.0	15
ISOSAWI-P1500-25	35	2980	9.80	3.0	16
ISOSAWI-P2000-25	35	4541	5.41	3.0	17

Type for outdoor use	Installation height [mm]	Load daN	Load kN	(1) Δh [mm]	(2) f_0 [Hz]
ISOSAWI-PN50-25	35	125	1.25	2.5	12
ISOSAWI-PN75-25	35	187	1.87	2.5	12
ISOSAWI-PN150-25	35	360	3.60	2.5	11
ISOSAWI-PN350-25	35	805	8.05	3.0	11
ISOSAWI-PN750-25	35	1661	16.61	3.5	11
ISOSAWI-PN1500-25	35	3336	33.36	4.0	11
ISOSAWI-PN3000-25	35	6520	65.20	3.5	12
ISOSAWI-PN6000-25	35	11340	113.40	3.5	14

(1) With permissible superimposed load (2) Natural frequency with permissible superimposed load (weight force)

Accessories and supplements: Page 36 – 39

Base plate with panchoring holes	Anti-slip mat ISOPREN-E2 2.2 mm	Thread adapter
		

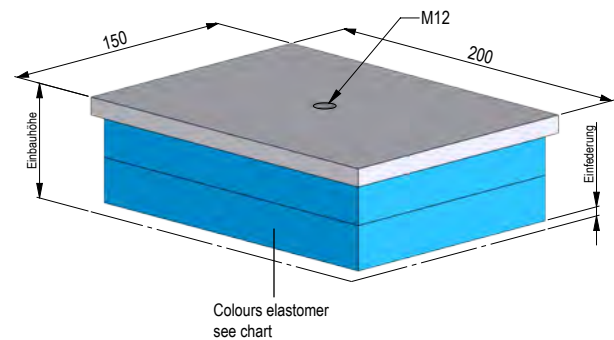
ISOSAWI 50

Areas of application

The ISOSAWI is mainly used for the support of punching, pressing and embossing machines, as well as for refrigerating machines and for combined heat and power units (CHP). Due to their design, they provide optimum load distribution for narrow frame constructions or small machine supports. They are characterised by natural frequencies/resonances from 8 Hz and by an optimal interaction of isolation and damping.

Specifications

Type	ISOSAWI
Corrosion protection	Hot-dip galvanised steel plate
Scope of application	Inside (ISOSAWI-P...) / outside (ISOSAWI-PN...)
Colour Elastomer	see colour spectrum in tables below

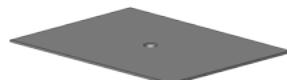


Type for indoor use	Installation height [mm]	Load daN	Load kN	(1) Δh [mm]	(2) f_0 [Hz]
ISOSAWI-P11-50	60	25	0.25	4.0	9
ISOSAWI-P16-50	60	41	0.41	4.0	11
ISOSAWI-P26-50	60	57	0.57	4.0	11
ISOSAWI-P40-50	60	102	1.02	4.0	10
ISOSAWI-P55-50	60	133	1.33	4.0	10
ISOSAWI-P65-50	60	150	1.50	4.0	10
ISOSAWI-P110-50	60	238	2.38	4.0	10
ISOSAWI-P170-50	60	325	3.25	4.5	10
ISOSAWI-P260-50	60	512	5.12	5.0	10
ISOSAWI-P400-50	60	794	7.94	6.0	9
ISOSAWI-P650-50	60	1275	2.75	6.0	9
ISOSAWI-P950-50	60	1993	9.93	6.0	11
ISOSAWI-P1500-50	60	2320	23.20	6.0	12
ISOSAWI-P2000-50	60	3697	36.97	6.0	12

Type for outdoor use	Installation height [mm]	Load daN	Load kN	(1) Δh [mm]	(2) f_0 [Hz]
ISOSAWI-PN50-50	60	116	1.16	5.0	9
ISOSAWI-PN75-50	60	174	1.74	5.0	9
ISOSAWI-PN150-50	60	328	3.28	5.0	8
ISOSAWI-PN350-50	60	716	7.16	6.0	8
ISOSAWI-PN750-50	60	1496	14.96	7.0	8
ISOSAWI-PN1500-50	60	2727	7.27	8.0	8
ISOSAWI-PN3000-50	60	5028	0.28	6.0	9
ISOSAWI-PN6000-50	60	6930	69.30	6.0	11

(1) With permissible superimposed load (2) Natural frequency with permissible superimposed load (weight force)

Accessories and supplements: Page 36 – 39

Base plate with panchoring holes	Anti-slip mat ISOPREN-E2 2.2 mm	Thread adapter
		

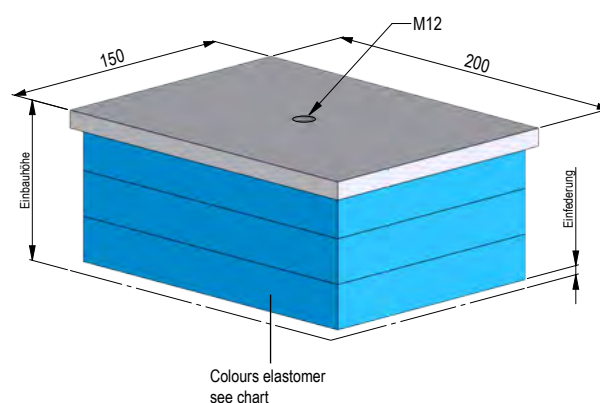
ISOSAWI 75

Areas of application

The ISOSAWI is mainly used for the support of punching, pressing and embossing machines, as well as for refrigerating machines and for combined heat and power units (CHP). Due to their design, they provide optimum load distribution for narrow frame constructions or small machine supports. They are characterised by natural frequencies/resonances from 8 Hz and by an optimal interaction of isolation and damping.

Specifications

Type	ISOSAWI
Corrosion protection	Hot-dip galvanised steel plate
Scope of application	Inside (ISOSAWI-P...) / outside (ISOSAWI-PN...)
Colour Elastomer	see colour spectrum in tables below

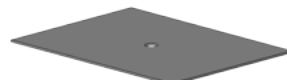


Type for indoor use	Installation height [mm]	Load daN	Load kN	(1) Δh [mm]	(2) f_0 [Hz]
ISOSAWI-P11-75	85	25	0.25	6.0	7
ISOSAWI-P16-75	85	38	0.38	6.0	9
ISOSAWI-P26-75	85	54	0.54	6.0	9
ISOSAWI-P40-75	85	99	0.99	6.0	8
ISOSAWI-P55-75	85	128	1.28	6.0	8
ISOSAWI-P65-75	85	142	1.42	6.0	8
ISOSAWI-P110-75	85	224	2.24	6.0	8
ISOSAWI-P170-75	85	296	2.96	6.0	8
ISOSAWI-P260-75	85	469	4.69	7.0	8
ISOSAWI-P400-75	85	732	7.32	9.0	8
ISOSAWI-P650-75	85	1161	11.61	9.0	8
ISOSAWI-P950-75	85	1836	18.36	9.0	9
ISOSAWI-P1500-75	85	1980	19.80	9.0	9
ISOSAWI-P2000-75	85	3210	32.10	9.0	9

Type for outdoor use	Installation height [mm]	Load daN	Load kN	(1) Δh [mm]	(2) f_0 [Hz]
ISOSAWI-PN50-75	85	112	1.12	8.0	8
ISOSAWI-PN75-75	85	168	1.68	8.0	8
ISOSAWI-PN150-75	85	320	3.20	8.0	7
ISOSAWI-PN350-75	85	692	6.92	9.0	7
ISOSAWI-PN750-75	85	1469	14.69	10.0	7
ISOSAWI-PN1500-75	85	2552	25.52	12.0	7
ISOSAWI-PN3000-75	85	4361	43.61	8.0	8
ISOSAWI-PN6000-75	85	5355	53.55	8.0	10

(1) With permissible superimposed load (2) Natural frequency with permissible superimposed load (weight force)

Accessories and supplements: Page 36 – 39

Base plate with panchoring holes	Anti-slip mat ISOPREN-E2 2.2 mm	Thread adapter
		

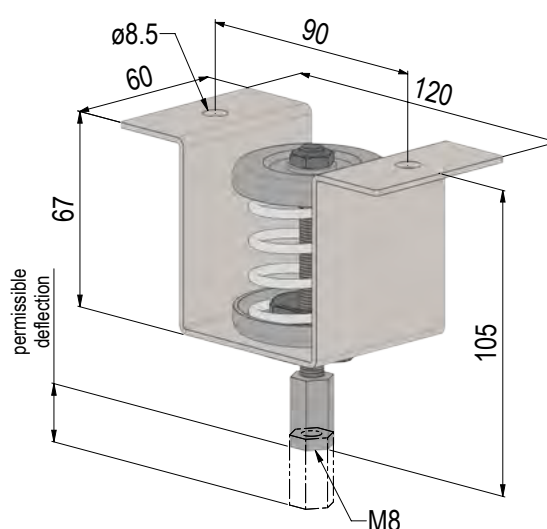
ISOHANG®

Areas of application

The ISOHANG® system is used in the low frequency range for suspended acoustic ceilings (natural frequency/resonance frequency ≥ 3.5 Hz). The ideal connection between ceiling and substructure for supporting structures made of metal or wood.

Specifications

Type	ISOHANG®-SMALL
Corrosion protection	Galvanically zinc plated
Scope of application	Inside



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOHANG®-SMALL 1	1.5	20	3.5	3.0	0.03
ISOHANG®-SMALL 2	2.5	20	3.5	5.0	0.05
ISOHANG®-SMALL 3	4.4	20	3.5	8.8	0.09
ISOHANG®-SMALL 4	6.9	20	3.5	13.8	0.14
ISOHANG®-SMALL 5	11.3	20	3.5	22.6	0.23
ISOHANG®-SMALL 6	17.2	20	3.5	34.4	0.34
ISOHANG®-SMALL 7	26.0	20	3.5	52.0	0.52
ISOHANG®-SMALL 8	44.2	20	3.5	88.4	0.88

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

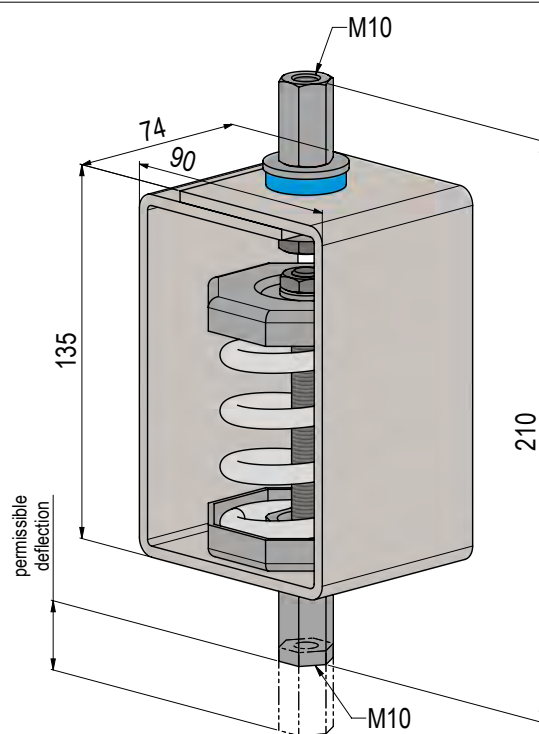
ISOROHR®-BIG

Areas of application

The ISOROHR®-BIG system is used for high tensile loads. They are used to suspend heavy metal constructions from ceilings. The ISOROHR®-BIG system is used to attach large fans, blowers, air conditioners and large, heavy pipes to ceilings or metal structures. With their low-frequency tuning ≥ 3.2 Hz, they prevent the transmission of vibrations and structure-borne noise.

Specifications

Type	ISOROHR®-BIG
Steel grade	BIG 1 to BIG 7: Stainless spring steel according to EN ISO 6931-1 BIG 8 and BIG 9: Spring steel SN according to EN 10270-1
Corrosion protection	BIG 1 to BIG 7: A2 stainless steel BIG 8 and BIG 9: Cathodic dip coated
Tolerances	BIG 1 to BIG 7: Quality level 1 according to EN 15800 BIG 8 and BIG 9: Quality level 2 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Damping	On request with damping



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
	N/mm			daN ⁽³⁾	kN
ISOROHR®-BIG 1	6.7	25	3.2	17	0.17
ISOROHR®-BIG 2	12.4	25	3.2	31	0.31
ISOROHR®-BIG 3	18.9	25	3.2	47	0.47
ISOROHR®-BIG 4	28.8	25	3.2	72	0.72
ISOROHR®-BIG 5	52.1	25	3.2	130	1.30
ISOROHR®-BIG 6	85.1	25	3.2	213	2.13
ISOROHR®-BIG 7	130.1	25	3.2	325	3.25
ISOROHR®-BIG 8	188.4	22	3.4	414	4.1
ISOROHR®-BIG 9	236.1	20	3.5	472	4.7

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

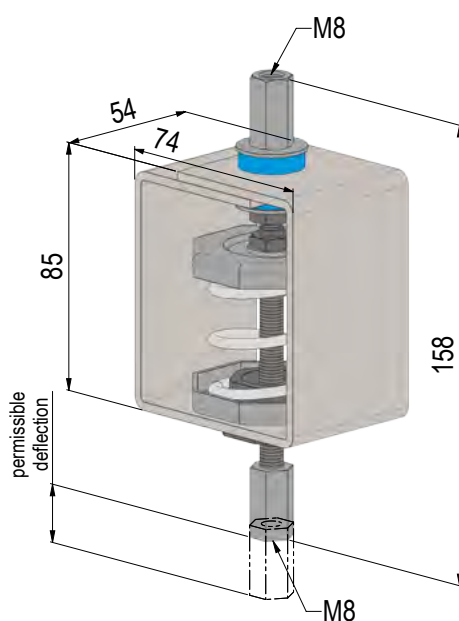
ISOROHR®-SMALL

Areas of application

The ISOROHR®-SMALL system is used to suspend metal constructions from ceilings with low tensile load. The ISOROHR®-SMALL system is used to attach small fans, blowers, air conditioning units and small pipes to the ceiling. They prevent the transmission of vibrations and structure-borne sound.

Specifications

Type	ISOROHR®-SMALL
Steel grade	Stainless spring steel according to EN ISO 6931-1
Corrosion protection	A2 stainless steel
Tolerances	Quality level 1 according to EN 15800
Scope of application	Inside and outside
Preload	On request
Damping	On request with damping



Product	Spring constant	Permissible deflection ^{(1) (2)}	Natural frequency ⁽²⁾	Permissible load ⁽¹⁾	
				daN ⁽³⁾	kN
ISOHROHR®-SMALL 1	1.6	20	3.5	3.2	0.03
ISOHROHR®-SMALL 2	2.3	20	3.5	4.6	0.05
ISOHROHR®-SMALL 3	3.8	20	3.5	7.6	0.08
ISOHROHR®-SMALL 4	6.3	20	3.5	12.6	0.13
ISOHROHR®-SMALL 5	11.2	20	3.5	22.4	0.22
ISOHROHR®-SMALL 6	16.6	20	3.5	33.2	0.33
ISOHROHR®-SMALL 7	22.5	20	3.5	45.0	0.45
ISOHROHR®-SMALL 8	37.7	20	3.5	75.4	0.75

⁽¹⁾ Design according to EN 15800. In the case of highly dynamic loads, the permissible load and static deflection must be reduced

⁽²⁾ At maximum load

⁽³⁾ 1 daN corresponds to the gravitational force of a mass of approx. 1 kg

Head- and base plates for ISOFED®-SMALL

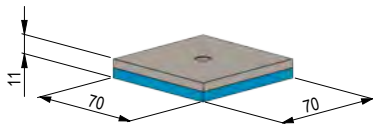
Specifications

Corrosion protection	A2 stainless steel
Insulation material	Elastomer EPDM

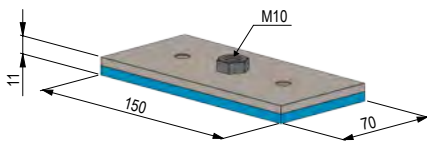
all dimensions in mm

HEAD PLATES

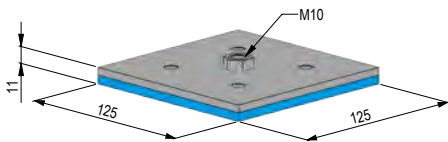
ISOFED®-SMALL-ONE



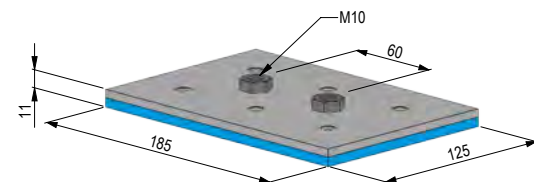
ISOFED®-SMALL-TWO



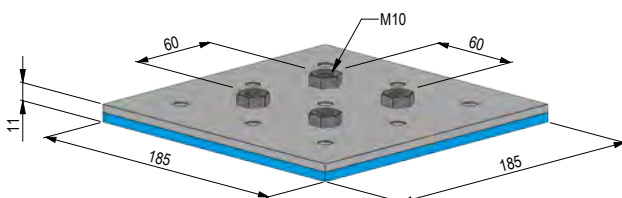
ISOFED®-SMALL-FOUR



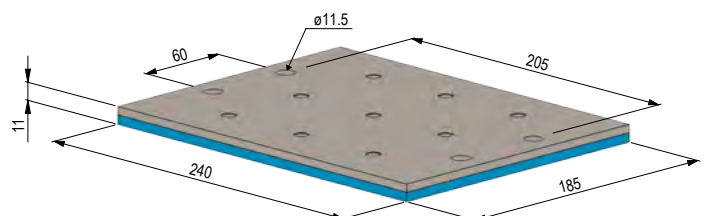
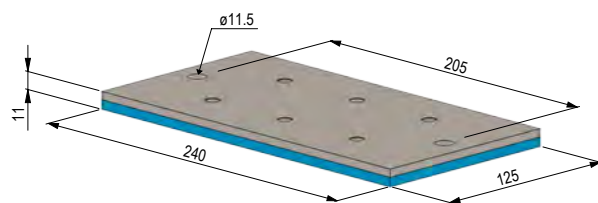
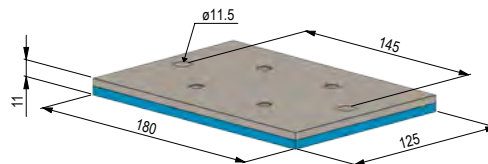
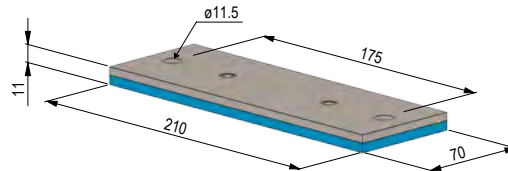
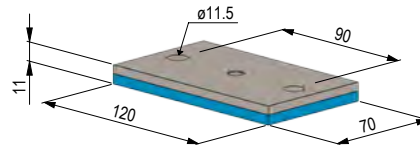
ISOFED®-SMALL-SIX



ISOFED®-SMALL-NINE



BASE PLATES



Head- and base plates for ISOFED®-BIG

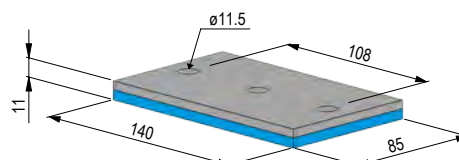
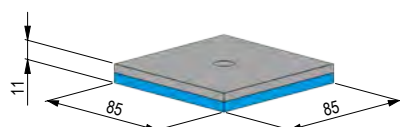
Specifications	
Corrosion protection	A2 stainless steel
Insulation material	Elastomer EPDM

all dimensions in mm

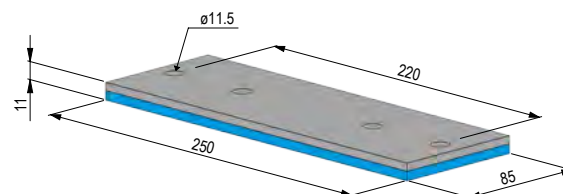
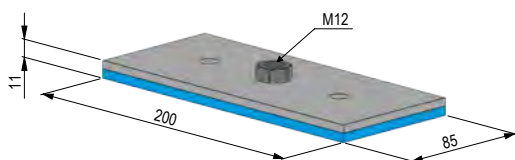
HEAD PLATES

BASE PLATES

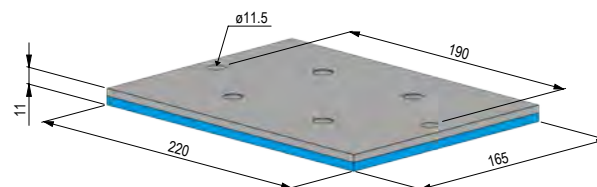
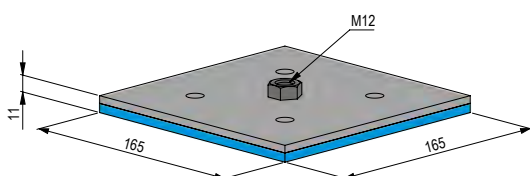
ISOFED®-BIG-ONE



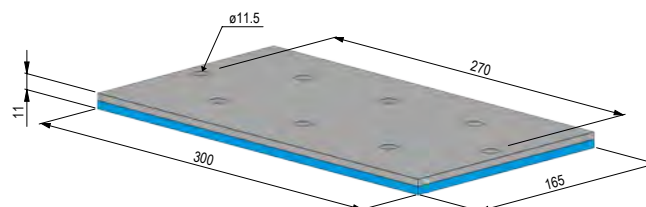
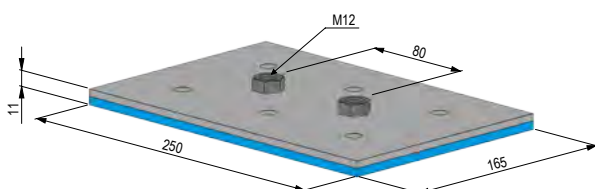
ISOFED®-BIG-TWO



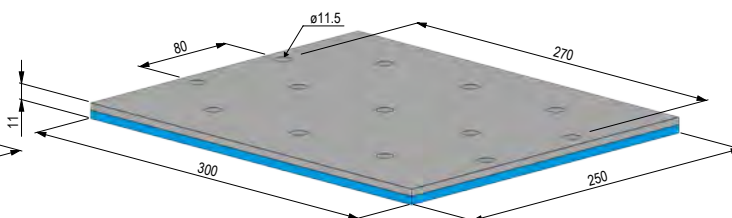
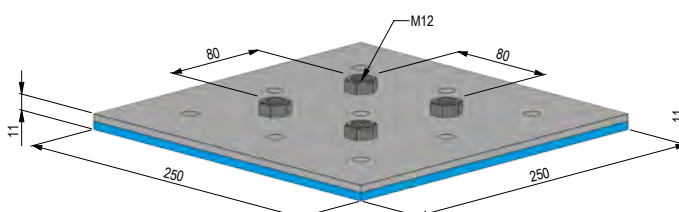
ISOFED®-BIG-FOUR



ISOFED®-BIG-SIX



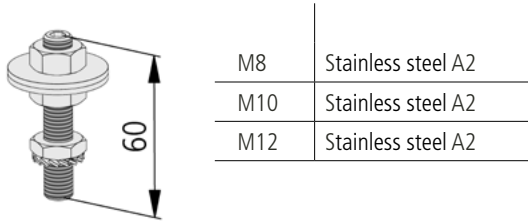
ISOFED®-BIG-NINE



Accessories and supplements

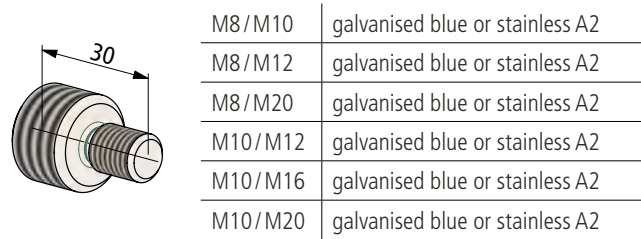
Height adjustment

For levelling and secure positioning of technical equipment.



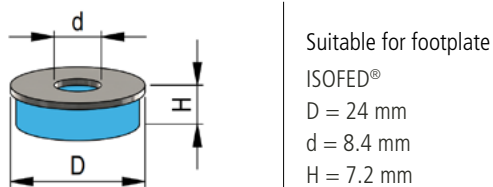
Adapter

Thread reduction for easy integration into a device frame.



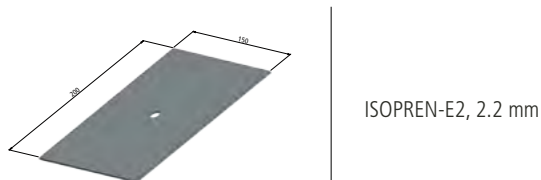
ISOROND®-L-08 (M8)

For sound-bridge-free anchoring of the base plates with a rondelle made of high-alloy steel.



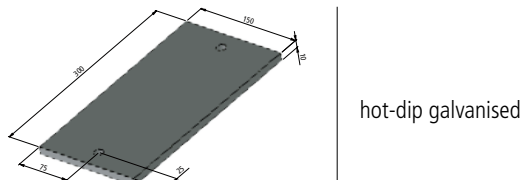
Anti-slip mat for ISOSAWI

As an additional increase in the coefficient of friction



Base plate for ISOSAWI

Base plate with anchoring holes

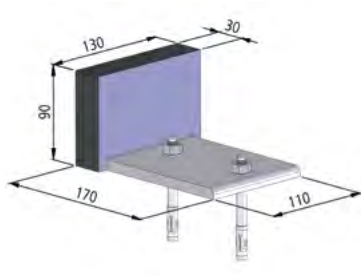


Accessories and supplements

ISOTRESI

The horizontal securing bracket is used for the structure-borne sound-insulating horizontal securing of machines, devices and appliances.

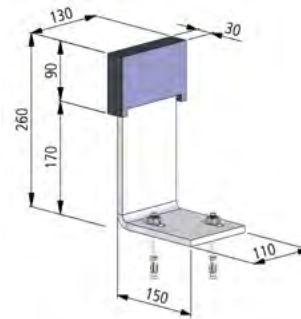
Material	Steel S235JRG2
Surface treatment	Hot-dip galvanised 85µm
Mounting	Bolt anchor 2x FAZ 10/10
Elastomer sheath	NR 45-50° Shore A, thickness 10 mm
Load-bearing resistance	$V_{RD} = 16.0 \text{ kN}$
Scope of application	Inside and outside



ISOHOSI

The horizontal securing angle is used for the structure-borne sound-insulating horizontal securing of machines, devices and apparatuses.

Material	Steel S235JRG2
Surface treatment	Hot-dip galvanised 85µm
Mounting	Bolt anchor 2x FAZ 10/10
Elastomer sheath	NR 45-50° Shore A, thickness 10 mm
Load-bearing resistance	$H_{RD} = 2.0 \text{ kN}$
Scope of application	Inside and outside
Option	The vertical leg of the angle can be shortened



Expertise for your construction project

The innovative sound insulation solutions from HBT-ISOL protect buildings, building users and occupants from internal and external noise and vibrations.

- » Protection for people and buildings against disruptive energy from rail traffic
- » Effective insulation of structure-borne noise in mixed-use areas, e.g. residential/shopping, offices/commercial, gymnastics above classrooms, etc.
- » Impact sound insulation in stairwells, arcades and balconies
- » Vibration and oscillation insulation for building services systems
- » Crack reduction and sound insulation between walls and ceilings
- » Structure-borne sound-insulating fastenings and securing devices of all types
- » Vibration protection for production plants

First-class products, many years of experience and personalised support from conception to execution guarantee clients, construction planners and building contractors both cost-effectiveness and technical safety.



HBT-ISOL AG
Im Stetterfeld 3
CH-5608 Stetten
T +41 56 648 41 11
info@hbt-isol.com
hbt-isol.com

HBT-ISOL SA
Rue Galilée 6 (CEI 3)
CH-1400 Yverdon-les-Bains
T +41 24 425 20 46
yverdon@hbt-isol.com
hbt-isol.com

HBT-ISOL GmbH
Friedrichstraße 95
DE-10117 Berlin
T +49 30 9789 4707
info@hbt-isol.com
hbt-isol.com

