

KNAUF

METAL *Sonic Element, Sky Element Clip, Sky Element Hook* *Floating Ceilings – Canopies*



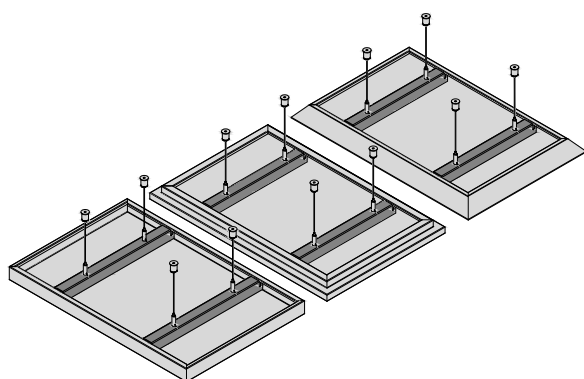
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- METAL Sonic Element is a fully configurable solution, available with different edge details, suspended as a single element with adjustable hanging wires for a quick and easy installation.
- An optional rear cover with perforation allows for better sound absorption and 360° visibility.
- METAL Sky Element Clip and METAL Sky Element Hook systems are floating modular solutions for optimum flexibility.
- Fully configurable large size panels, installed in a row, with standard and end panels or as single elements.
- Additional design options available as part of our Vario Design range.
- Ideal for showrooms, entrance halls, transport hubs, meeting rooms, retail and waiting areas.

Build on us.

METAL Sonic Element, Sky Element Clip, Sky Element Hook

METAL Sonic Element



90° edge option



20 x 20 mm edge option



50° edge option



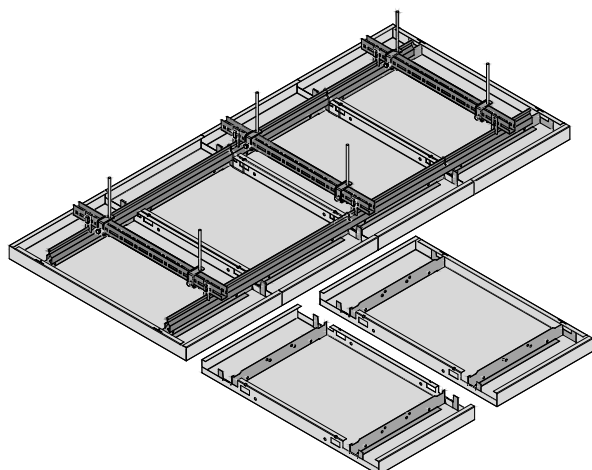
Canopies

Material	post-coated galvanised steel 0.7 mm
Edge detail	90°, 20 x 20 mm, 50° option, delivered with two reinforcement profiles inside
Dimensions	length (A) 600 - 1800 mm / width (B) 600 - 1200 mm
Canopy size	max. 2.16 m ²

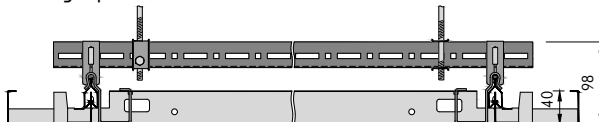
Suspension system

Standard	hanging wire (4000 mm length), 4 pcs/canopy needed
Features	Rg 2516 perforated rear cover for 360° visibility curved elements

METAL Sky Element Clip



90° edge option



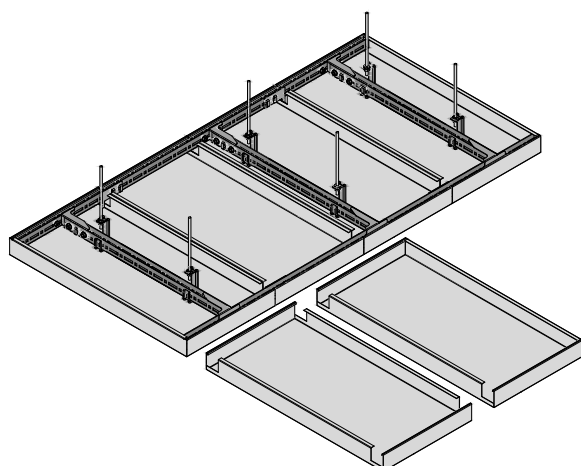
Panels

Material	post-coated galvanised steel 0.6 / 0.7 mm
Edge detail	square edged clip-in standard panels with visible short sides square edged clip-in end panels with one visible long and short sides
Dimensions	length (A) 600 - 2500 mm / width (B) 250 - 600 mm
Panel size	max. 1.5 m ²

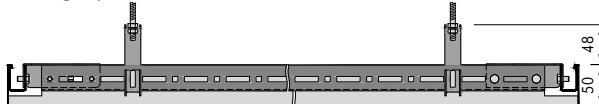
Suspension system

Standard	U-Profile + DP12 A-Bar
Features	swing-down function ACCESS for standard panels security clip

METAL Sky Element Hook



90° edge option



Panels

Material	post-coated galvanised steel 0.6 / 0.7 mm
Edge detail	square edged hook-on standard panels with visible short sides square edged hook-on end panels with one visible long and short sides
Dimensions	length (A) 600 - 2750 mm (in steps of 25 mm) width (B) 250 - 600 mm (in steps of 25 mm)
Panel size	max. 1.65 m ²

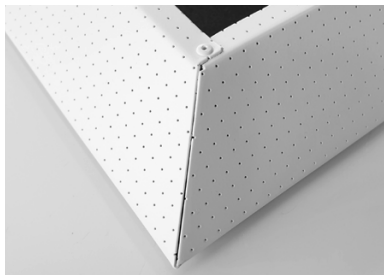
Suspension system

Standard	U-Profile cross-connected, for a slim design with concealed grid
Features	65 mm panel height for chilled ceilings and acoustic pads

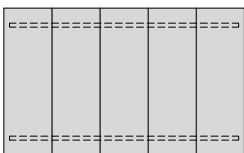
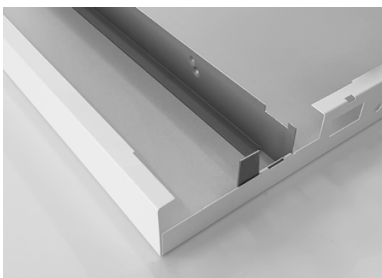
METAL Sonic Element, Sky Element Clip, Sky Element Hook



METAL Sonic Element



METAL Sky Element Clip



METAL Sky Element Hook



Security clip option
For METAL Sky Element Clip



Swing-down function Access
For METAL Sky Element Clip
standard panels



	VarioDesign options on request										Features & performances						
	Dimensions	Shapes	Post-coated aluminium	Perforations	RAL & NCS colours	BioGuard finish	Wood effect finish	Acoustic infills	Cut-outs	Grid alternatives	Secure function	Swing-down function	Clean room*	Seismic*	Impact resistance*	Suitable for chilled ceilings	Exterior*
METAL Sonic Element	■	■	■	■	■	■	■	■	■								
METAL Sky Element Clip	■		■	■	■	■	■	■	■			■					
METAL Sky Element Hook	■		■	■	■	■	■	■	■							■	

* see separate datasheet

Characteristic	Detailed information															
Colour / Perforations																
		RAL 9016	RAL 9010	RAL 9006	RAL 9007	RAL 9005	further RAL & NCS colours on request				Unperforated	Rg 0701	Rg 0704	Rd 1522	Rg 2516	further options see acoustic datasheet
Acoustic infills		Black acoustic fleece VLSRX										further options see acoustic datasheet				
Weight		3.9 - 26 kg/m²														
		Weight varies depending on the perforation and acoustic infill.														
Acoustics		Values for multipanel canopies: METAL Sky Element Clip, METAL Sky Element Hook	EN ISO 354													
			α _w	Cavity [mm]	Class	Frequency (Hz) α _p						NRC				
						125	250	500	1000	2000	4000					
			Unperforated	0.10(L)	200	NC	0.40	0.20	0.10	0.10	0.10	0.15	0.15			
			Rg 0701 + VLSRX	0.65(LM)	200	C	0.50	0.85	0.90	0.65	0.60	0.50	0.75			
			Rg 0704 + VLSRX	0.80(L)	200	B	0.45	0.85	0.95	0.75	0.75	0.70	0.85			
			Rd 1522 + VLSRX	0,60	200	C	0.25	0.60	0.75	0.50	0.60	0.60	0.60			
		Rg 2516 + VLSRX	0,70	200	C	0.30	0.70	0.85	0.60	0.70	0.70	0.70				
		α _w : as per EN ISO 11654 / NRC: as per ASTM C 423-01 / Dn.f.w: as per EN ISO 717-1 / CAC: as per ASTM E 413-10														
		Values for single suspended canopies: METAL Sonic Element	Canopy dimensions			EN ISO 354										
			Length (A) [mm]	Width (B) [mm]	Height (H) [mm]	Sabines	Cavity (C) [mm]	Frequency (Hz) ap								
								125	250	500	1000	2000	4000			
			Rg 0701 + VLSRX	1200	1200	40	0.98	150	0.25	0.75	1.00	1.00	0.95	0.70		
				1800	1200	40	1.43	150	0.40	1.00	1.00	1.00	1.00	1.00		
				1200	1200	40	1.06	300	0.40	0.95	1.00	1.00	1.00	0.80		
				1800	1200	40	1.49	300	0.60	1.00	1.00	1.00	1.00	1.00		
			Rg 0704 + VLSRX	1200	1200	40	1.18	150	0.30	0.85	1.00	1.00	1.00	1.00		
				1800	1200	40	1.65	150	0.50	1.00	1.00	1.00	1.00	1.00		
				1200	1200	40	1.23	300	0.50	1.00	1.00	1.00	1.00	1.00		
				1800	1200	40	1.79	300	0.80	1.00	1.00	1.00	1.00	1.00		
			Rd 1522 + VLSRX	1200	1200	40	0.93	150	0.20	0.45	1.00	1.00	1.00	0.95		
				1800	1200	40	1.34	150	0.20	0.70	1.00	1.00	1.00	1.00		
				1200	1200	40	0.96	300	0.35	0.85	0.90	0.90	1.00	0.95		
				1800	1200	40	1.42	300	0.50	1.00	1.00	1.00	1.00	1.00		
			Rg 2516 + VLSRX	1200	1200	40	1.10	150	0.20	0.60	1.00	1.00	1.00	1.00		
				1800	1200	40	1.59	150	0.30	0.85	1.00	1.00	1.00	1.00		
		1200		1200	40	1.17	300	0.40	1.00	1.00	1.00	1.00	1.00			
		1800		1200	40	1.70	300	0.65	1.00	1.00	1.00	1.00	1.00			
Fire reaction		Unperforated: Euroclass A1 ; Rg 0701 / Rg 0704 with acoustic fleece VLSRX: Euroclass A2-s1, d0 ; Rd 1522 / Rg 2516 with acoustic fleece VLSRX: Euroclass A2-s2, d0 ; as per EN 13501-1														
Light reflectance		RAL 9010 unperforated: 85% ; RAL 9010 Rd 1522: 66% ; RAL 9010 Rg 0701: 83% ; RAL 9010 Rg 0704: 82% ; RAL 9010 Rg 2516: 73%														
Humidity resistance		90% RH														
Indoor air quality																
		A+	E1	IAC Gold												
Sustainability/ Cleanability																
		17.3% (2023)		Unperforated option only	Unperforated option only											