



Concealed Grid Systems

ARMSTRONG METAL Clip-In

R-Clip, R-Clip F, T-Clip, K-Clip



- **Armstrong METAL Clip-In** provides a versatile and simple design with excellent acoustic performance benefits.
- Concealed grid for a monolithic effect.
- Ease of installation (alignment), fully demountable and maintenance-friendly system.
- Easy access to the ceiling void.
- METAL R-Clip / METAL R-Clip F available with an optional 'Window' swing-down function.
- METAL R-Clip / METAL R-Clip F panels available with an optional lock function.
- **Armstrong METAL K-Clip** is a cost effective solution, simulating a tartan layout by using METAL Q-Clip tiles or METAL R-Clip panels in combination with exposed crossing boxes and strips.
- Crossing boxes and strips available in different sizes with optional cut-outs for service integration on request.
- Additional design options available as part of our **Vario Design** range.
- Ideal for breaking up large spaces and office environments.



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Edge details		METAL R-Clip <small>vd</small> 	METAL R-Clip F <small>vd</small> 	METAL T-Clip <small>vd</small> 	METAL K-Clip <small>vd</small> [Tartan layout] with Q-Clip with R-Clip									
System		U-Profile + DP12 A-Bar	U-Profile + DP12 A-Bar	C-Channel + Spring-T	U-Profile + DP12 A-Bar Visible Crossing Box + Strips									
Dimensions/ Modules (mm)		Panel length: 600 - 2500 Panel width: 250 - 600 Max size (m ²): 1.5	1200 x 300 1200 x 600 1800 x 400	Panel length: 500 - 2500 Panel width: 300 - 400 - 500 - 600 Max size (m ²): 1.5	With METAL Q-Clip tiles: 600 x 600 625 x 625 With METAL R-Clip panels: Panel length: 600 - 1800 Panel width: 300 - 600 Max size (m ²): 1.08									
Material & perforations		Post-coated galvanised steel, 0.5 - 0.7mm												
		Unperforated	Standard perforation Rg 2516 Ø: 2.5mm Open area: 16%	Micro-perforation Rd 1522 Ø: 1.5mm Open area: 22%	Extramicro perforation Rg 0701 Ø: 0.7mm Open area: 1.5%									
		vd Other perforations												
		Rd 1511	Rg 1511	Rg 1821	Rg 3013 Qg 4025									
Colours		RAL 9010												
		vd Other colours												
		RAL 9003	RAL 9005	RAL 9006	RAL 9007									
		RAL 9016	Global White	vd Wood effects										
				Ash	Natural Bamboo									
				Caramel Bamboo	Maple									
				Oak	American Cherry									
				American Walnut										
Weight		Unperforated 4.6 - 7.8 kg/m ²	Rg 2516 4.0 - 6.6 kg/m ²	Rd 1522 3.7 - 6.4 kg/m ²	Rg 0701 4.6 - 7.3 kg/m ² <i>Weight varies depending on the edge detail and acoustic infill.</i>									
Acoustics		EN ISO 354									EN ISO 10848-2	EN ISO 10140-2		
		α_w^*	Class	Frequency (Hz) α_p						NRC**	$D_{n,w}^{***}$	R_w^{***}	CAC****	
				125	250	500	1000	2000	4000					
		Unperforated	0.10(L)	NC	0.25	0.15	0.05	0.05	0.10	0.10	0.10	44 dB	19 dB	-
		Rg 2516 + Fleece	0.75(L)	C	0.35	0.80	0.95	0.70	0.75	0.75	0.80	18 dB	8 dB	-
		Rd 1522 + Fleece	0.70	C	0.30	0.65	0.90	0.65	0.70	0.75	0.70	16 dB	6 dB	16 dB
		Rg 0701 + Fleece	0.55(L)	D	0.45	0.70	0.70	0.55	0.55	0.45	0.65	21 dB	10 dB	22 dB
		* as per EN ISO 11654			** as per ASTM C 423-01			*** as per EN ISO 717-1			**** as per ASTM E 413-10			
Fire reaction		Euroclass A1 (Unperforated / Perforated + No Infill) Euroclass A2-s2, d0 (Perforated + Acoustic Fleece) as per EN 13501-1			RUS KM1 (G1, V1, D1, T1) as per 123-FZ			<i>Values applicable for RAL 9010 only.</i>						
Light reflectance		Unperforated 85%	Rg 2516 70%	Rd 1522 65%	Rg 0701 80%	<i>Values applicable for RAL 9010 only.</i>								
Humidity resistance		90% RH												
Indoor air quality		A+	E1											
Cleanability														
Sustainability		EN ISO 14021 ≈14%	Certified Silver*										<i>*Value applicable for RAL 9010 only.</i>	
Design options		Dimensions	Colours	Perforations	Acoustic Infills	Cut-Outs	Swing-Down Function	Secure Function	Clean Room					

[Previous page] METAL R-Clip, Rd 1522, RAL 9010 (Mennica, Warsaw, Poland, ©Szymon Polański)

vd Options with this icon are available from our **Vario Design** range.
Some combinations of colours and/or perforations are not available for every product.
Products may vary from country to country. Please contact your local sales representative.
For further information and legal notice, please visit our website.
knaufceilingsolutions.com