



Concealed Grid Systems

## ARMSTRONG METAL Clip-In

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





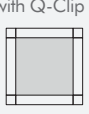
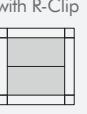










































- **Armstrong METAL Clip-In** provides a versatile and simple design with excellent acoustic performance benefits.
- Concealed grid for a monolithic effect.
- Ease of installation (alignment), fully demountable and maintenance-friendly system.
- Easy access to the ceiling void.
- METAL R-Clip / METAL 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.



# ARMSTRONG METAL Clip-In

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

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