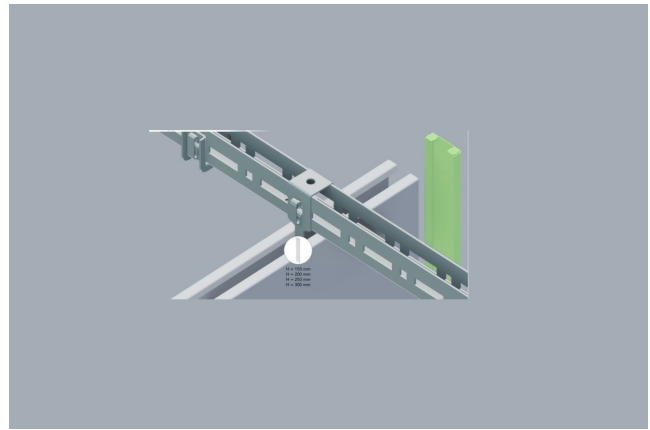




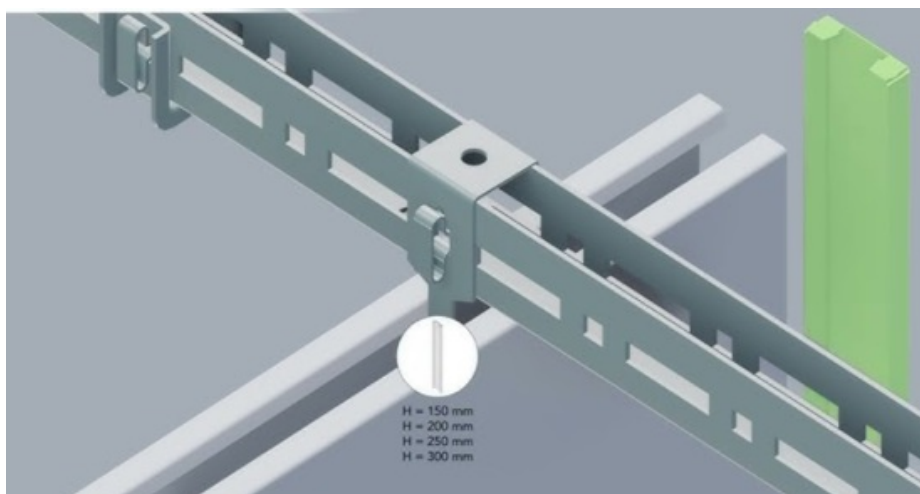
KNAUF U Profile Baffle Element User Guide

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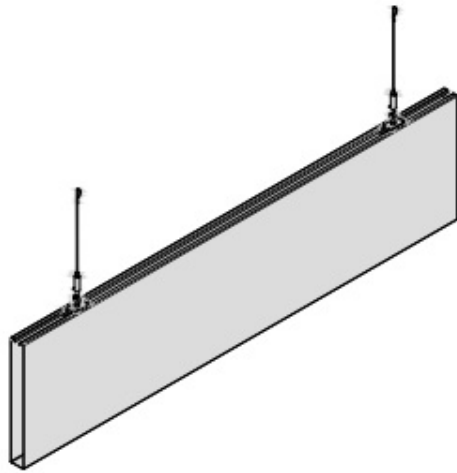
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KNAUF U Profile Baffle Element User Guide

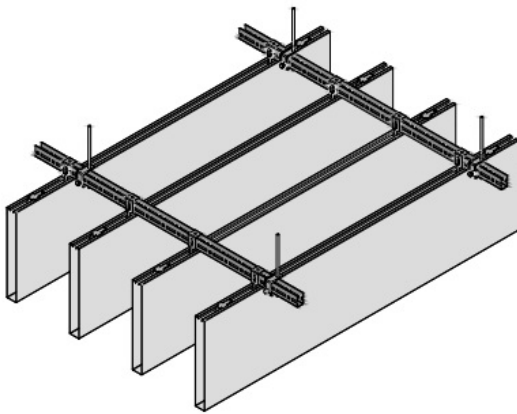


METAL Baffle Element

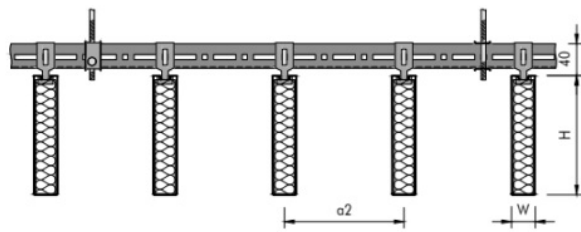
METAL Baffle Element – single suspended



METAL Baffle Element – grouped



Baffles	
Material	post-coated galvanised steel 0.6 mm
Edge detail	square edged
Dimensions	length (L) 1800 mm / width (W) 30 mm / height (H) 300 mm
Suspension system	
Standard	hanging wire (4000 mm length), 2 pcs/baffle needed
Features	splice connector end caps



Baffles

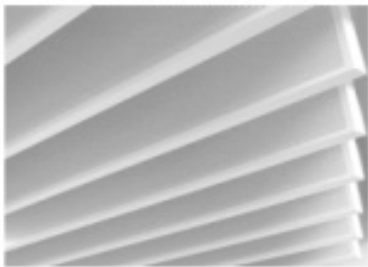
Material	post-coated galvanised steel 0.6 mm
Edge detail	square edged hook-on
Dimensions	length (L) max. 3000 mm
	width (W) 20, 30, 40, 50 60 mm
	height (H) 100, 150, 200, 250, 300 mm
	variable spacing (a2) between the baffles

Suspension system

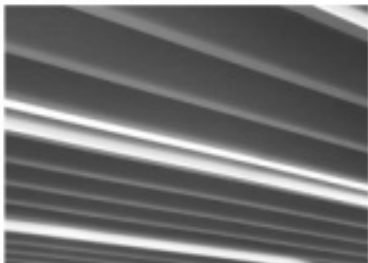
Standard	U-Profile + hanger for baffle
Features	splice connector
	end caps
	radial layout
	for corridors
	METAL Baffle Sky Element with crossing baffle layout

METAL Baffle Element

METAL Baffle Element - single suspended



METAL Baffle Element - grouped



METAL Baffle Element end cap option



If the baffles do not run wall to wall, end caps can be used to cover the open end of the baffles.

METAL Baffle Sky Element option



A design alternative is with baffles, which are arranged crossing. Further details on request.

	VarioDesign options on request											Features & performances					
	Dimensions	Shapes	Post-coated aluminum	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 Baffle Element	■		■	■	■		■		■	■	■						

* see separate datasheet

Product availability may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.

METAL Baffle Element

Characteristic	Detailed information																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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AMV</td><td>300</td><td>30</td><td>100</td><td>0.50(H)</td><td>50</td><td>D</td><td>0.05</td><td>0.30</td><td>0.45</td><td>0.50</td><td>0.75</td><td>0.50</td></tr><tr><td>150</td><td>60</td><td>100</td><td>0.45</td><td>50</td><td>C</td><td>0.15</td><td>0.45</td><td>0.60</td><td>0.65</td><td>0.80</td><td>0.70</td></tr><tr><td>200</td><td>30</td><td>200</td><td>0.50(H)</td><td>50</td><td>D</td><td>0.15</td><td>0.30</td><td>0.40</td><td>0.65</td><td>0.80</td><td>0.70</td></tr><tr><td>200</td><td>60</td><td>200</td><td>0.45</td><td>50</td><td>C</td><td>0.30</td><td>0.45</td><td>0.60</td><td>0.85</td><td>0.80</td><td>0.75</td></tr><tr><td>300</td><td>30</td><td>300</td><td>0.50(H)</td><td>50</td><td>D</td><td>0.20</td><td>0.30</td><td>0.40</td><td>0.70</td><td>0.75</td><td>0.55</td></tr><tr><td>300</td><td>60</td><td>300</td><td>0.45(H)</td><td>50</td><td>C</td><td>0.30</td><td>0.45</td><td>0.60</td><td>0.90</td><td>0.80</td><td>0.70</td></tr><tr><td rowspan="6">Rg 1511 + 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α_w as per EN ISO 11654 / NRC as per BS7171 C 425-01 <table><tr><th rowspan="2">Values for single suspended option</th><th colspan="3">Baffle dimensions</th><th rowspan="2">Slat size</th><th rowspan="2">Cavity (C) [mm]</th><th colspan="6">EN ISO 354</th></tr><tr><th>Length (L) [mm]</th><th>Width (W) [mm]</th><th>Height (H) [mm]</th><th>125</th><th>250</th><th>500</th><th>1000</th><th>2000</th><th>4000</th></tr><tr><td>Rg 0701 + AMV</td><td>1800</td><td>30</td><td>300</td><td>0.64</td><td>1000</td><td>0.09</td><td>0.30</td><td>0.60</td><td>0.90</td><td>0.70</td><td>0.40</td></tr><tr><td>Rg 1511 + AMV</td><td>1800</td><td>30</td><td>300</td><td>0.72</td><td>1000</td><td>0.10</td><td>0.30</td><td>0.60</td><td>0.80</td><td>0.90</td><td>0.90</td></tr><tr><td>Rd 2522 + AMV</td><td>1800</td><td>30</td><td>150</td><td>0.95</td><td>1000</td><td>-0.10</td><td>0.30</td><td>0.20</td><td>0.40</td><td>0.50</td><td>0.50</td></tr><tr><td></td><td>1800</td><td>30</td><td>300</td><td>0.67</td><td>1000</td><td>0.10</td><td>0.30</td><td>0.10</td><td>0.70</td><td>0.90</td><td>0.80</td></tr></table>										Values for grouped option	Baffle dimensions			EN ISO 354							Distance (D) [mm]	Width (W) [mm]	Height (H) [mm]	α _w	Cavity [mm]	Class	Frequency (Hz) α _w					NRC	125	250	500	1000	2000	4000	Rg 0701 + AMV	300	30	300	0.50	50	D	0.20	0.40	0.45	0.70	0.48	0.55	450	30	300	0.35	50	D	0.15	0.30	0.30	0.50	0.45	0.25	300	30	300	0.55	500	D	0.15	0.30	0.50	0.70	0.45	0.45	450	30	300	0.40	500	D	0.10	0.20	0.35	0.50	0.45	0.25	300	30	300	0.55	600	D	0.15	0.35	0.50	0.70	0.48	0.55	450	30	300	0.45	600	D	0.10	0.25	0.40	0.60	0.50	0.40	Rg 0704 + AMV	300	30	100	0.50(H)	50	D	0.05	0.30	0.45	0.50	0.75	0.50	150	60	100	0.45	50	C	0.15	0.45	0.60	0.65	0.80	0.70	200	30	200	0.50(H)	50	D	0.15	0.30	0.40	0.65	0.80	0.70	200	60	200	0.45	50	C	0.30	0.45	0.60	0.85	0.80	0.75	300	30	300	0.50(H)	50	D	0.20	0.30	0.40	0.70	0.75	0.55	300	60	300	0.45(H)	50	C	0.30	0.45	0.60	0.90	0.80	0.70	Rg 1511 + AMV	300	30	300	0.40	50	C	0.20	0.40	0.50	0.70	0.75	0.45	450	30	300	0.45	50	D	0.15	0.35	0.35	0.45	0.55	0.50	300	30	300	0.40	300	C	0.15	0.35	0.55	0.75	0.75	0.40	450	30	300	0.40	300	D	0.10	0.20	0.35	0.50	0.50	0.40	300	30	300	0.40(H)	600	C	0.20	0.35	0.55	0.70	0.75	0.55	450	30	300	0.45(H)	600	D	0.15	0.25	0.35	0.50	0.55	0.40	Rd 2522 + AMV	300	30	100	0.50(H)	50	D	0.10	0.80	0.45	0.60	0.70	0.45	150	60	100	0.40	50	C	0.15	0.45	0.55	0.60	0.55	0.55	150	30	150	0.40	50	C	0.25	0.50	0.50	0.60	0.75	0.65	150	50	150	0.55	50	D	0.20	0.40	0.45	0.70	0.70	0.60	300	30	150	0.45	50	D	0.15	0.30	0.35	0.45	0.55	0.50	150	30	150	0.55	200	D	0.15	0.40	0.45	0.60	0.75	0.65	300	30	150	0.40	200	D	0.10	0.25	0.30	0.45	0.55	0.50	150	30	150	0.55	400	D	0.20	0.80	0.60	0.65	0.70	0.65	300	30	150	0.35	400	D	0.10	0.15	0.30	0.40	0.45	0.35	200	30	200	0.50(H)	50	D	0.15	0.30	0.40	0.60	0.75	0.70	200	60	200	0.40	50	C	0.25	0.40	0.55	0.80	0.70	0.65	300	30	300	0.50(H)	50	D	0.20	0.30	0.40	0.75	0.75	0.55	300	60	300	0.45	50	C	0.30	0.40	0.60	0.85	0.70	0.65	450	30	300	0.45	50	D	0.15	0.30	0.35	0.45	0.55	0.50	300	30	300	0.55(H)	300	D	0.15	0.80	0.60	0.70	0.75	0.60	450	30	300	0.45	300	D	0.10	0.25	0.35	0.50	0.50	0.40	300	30	300	0.55(H)	600	D	0.20	0.35	0.50	0.70	0.75	0.60	450	30	300	0.40(H)	600	D	0.15	0.20	0.35	0.50	0.55	0.40	Values for single suspended option	Baffle dimensions			Slat size	Cavity (C) [mm]	EN ISO 354						Length (L) [mm]	Width (W) [mm]	Height (H) [mm]	125	250	500	1000	2000	4000	Rg 0701 + AMV	1800	30	300	0.64	1000	0.09	0.30	0.60	0.90	0.70	0.40	Rg 1511 + AMV	1800	30	300	0.72	1000	0.10	0.30	0.60	0.80	0.90	0.90	Rd 2522 + AMV	1800	30	150	0.95	1000	-0.10	0.30	0.20	0.40	0.50	0.50		1800	30	300	0.67	1000	0.10	0.30	0.10	0.70	0.90	0.80
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Rg 0701 + AMV	300	30	300	0.50	50	D	0.20	0.40	0.45	0.70	0.48	0.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Rg 0704 + AMV	300	30	100	0.50(H)	50	D	0.05	0.30	0.45	0.50	0.75	0.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	150	60	100	0.45	50	C	0.15	0.45	0.60	0.65	0.80	0.70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Values for single suspended option	Baffle dimensions			Slat size	Cavity (C) [mm]	EN ISO 354																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Length (L) [mm]	Width (W) [mm]	Height (H) [mm]			125	250	500	1000	2000	4000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Rg 0701 + AMV	1800	30	300	0.64	1000	0.09	0.30	0.60	0.90	0.70	0.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Rg 1511 + AMV	1800	30	300	0.72	1000	0.10	0.30	0.60	0.80	0.90	0.90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Rd 2522 + AMV	1800	30	150	0.95	1000	-0.10	0.30	0.20	0.40	0.50	0.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	1800	30	300	0.67	1000	0.10	0.30	0.10	0.70	0.90	0.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Fire reaction		Euroclass A2-s2, d0; as per EN 13501-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Light reflectance		RAL 9010 unperforated: 85% ; RAL 9010 Rg 0701: 83% ; RAL 9010 Rg 1511: 76% ; RAL 9010 Rd 1522: 66%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	17.3% (2023)	Unperforated option only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

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