

### Primary grid system

#### Key features

- Create a primary framework underneath beams or between walls
- Install a suspended ceiling below, using fewer suspension points to the structure
- Wide span system to bridge up to 6.50 m spans

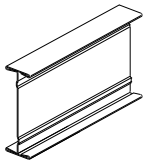
#### Application areas

- Industrial / Transport / Buildings with limited suspension points

#### Physical data

- Material: galvanised steel
- Surface finish: galvanised

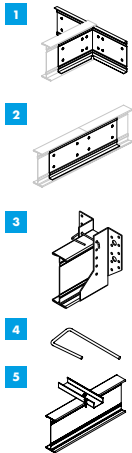
### VIC | Profiles



Item reference	Dimensions (mm)			Content/carton		Weight/carton	Cartons/pallet
	Length	Width	Height	pcs	lm	kg	
VIC40-5000	5000	40	47	10	50	48.00	30
VIC50-5000	5000	40	57	10	50	50.00	30
VIC500W-5000*	5000	40	57	10	50	50.00	30
VIC80-5000	5000	40	87	8	40	48.00	30
VIC88-5000	5000	40	87	6	30	45.00	30
VIC120-6500 (10)	6500	40	120	10	65	162.00	5
VIC120-6500 (25)	6500	40	120	25	162.5	405.00	1
VIC120-4000	4000	40	120	10	40	100.00	5
VIC120-5000	5000	40	120	10	50	124.00	5

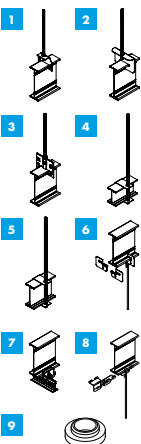
\* one side painted white.

### VIC | Accessories



No.	Item reference	Dimensions (mm)		Content/carton		Weight/carton	Description
		Length		pcs	lm	kg	
1	VIC410	-		100	-	5	Cross / wall connector 90° connector with 6 pre-drilled holes for fixing using bolts and nuts (M6). Always use in pairs.
1	VIC 510	-		100	-	6	
1	VIC1810	-		50	-	20	
1	VIC1210	-		50	-	20	
2	VIC420	-		100	-	7	
2	VIC520	-		100	-	10	
2	VIC1820	-		100	-	14	Splice connector with 8 pre-drilled holes for fixing using bolts and nuts (M6). Always use in pairs.
2	VIC1220	-		50	-	19	
3	VIC1230-B	-		25	-	11	Wall connector, securing pin required SB-N
4	SB-N	-		100	-	1	Securing pin
5	DE-C2040	3000		30	90	19.1	Stabilizer Bar for VIC profiles

### VIC | Hangers



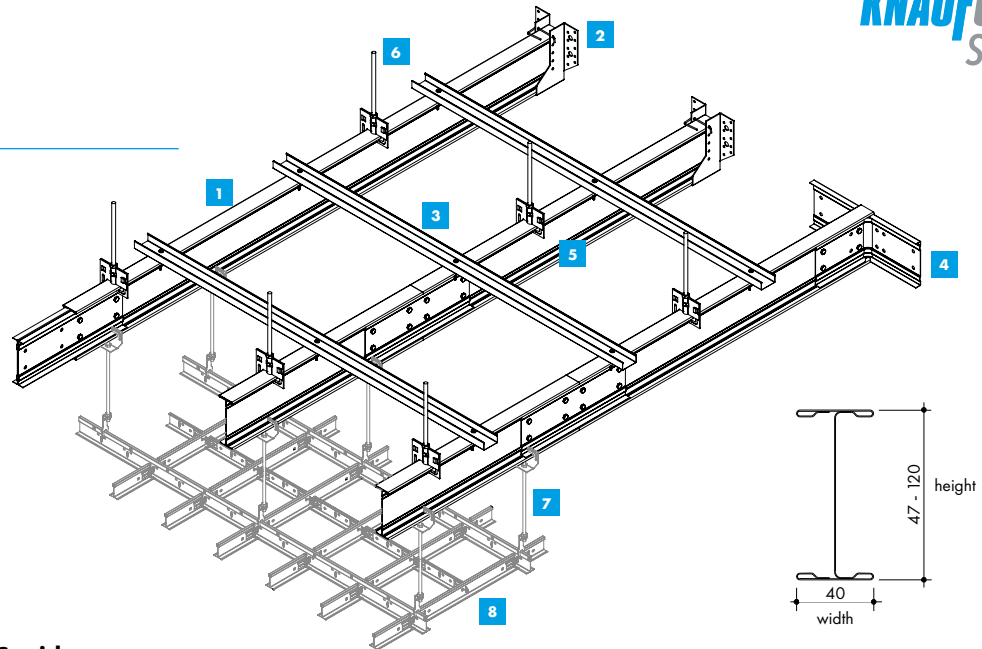
No.	Item reference	Max. load capacity <sup>1)</sup> (static)	Max. load capacity <sup>1)</sup> (dynamic)	Content/carton pcs	Weight/carton kg	Description
1	PSF70	700N	700N	100	5	Hanger for fixing the VIC profiles to the soffit or for fixing the substructure to the VIC systems. * <sup>3)</sup>
2	PSF150	1.400N	1.400N	50	5	Hanger for fixing the VIC profiles to the soffit * <sup>2)</sup>
3	PSF160	1.600N	1.200N	50	5	Hanger for fixing the VIC profiles to the soffit * <sup>2)</sup>
4	BD5	-	-	100	3.9	Clamp Bracket VIC 50, 6 mm threaded rod
5	BD8	-	-	100	4.7	Clamp Bracket VIC 80, 6 mm threaded rod
6	PSF20	500N	500N	100	3	Direct hanger, 2 part, for fixing the substructure, suitable for all VIC systems * <sup>3)</sup>
7	PSF25-Plus	350N	350N	50	3	Direct hanger for fixing the substructure, suitable for all VIC systems. Main tees, Espace profiles, CD-Profiles * <sup>3)</sup>
8	PSF40	480N	480N	50	3.9	Hanger for VIC 40-50-80 and 88, assembly with omega profile (40 mm width) or fixation of wire hangers D= 4 mm * <sup>3)</sup>
9	RE6	-	-	25	0.08	Washer for PSF150/160 Threaded Rod

<sup>1)</sup> as per EN 13964.

<sup>2)</sup> The specified max. load values refer to use in combination with a VIC 120 profile. For other VIC profiles the values are lower. For detailed information please contact the technical department.

<sup>3)</sup> When used in combination with VIC 500 W the max. load values are lower. For detailed information please contact the technical department.

**System Drawing**



■ **Materials required for the VIC grid structure**

No.	Description	Item reference					
1	Wide span profile	VIC40	VIC500W	VIC50	VIC80	VIC88	VIC120
2	Wall connector	VIC1230-B	VIC1230-B	VIC1230-B	VIC1230-B	VIC1230-B	VIC1230-B
3	Reinforcement profile <sup>(1)</sup>	DE-C2040	DE-C2040	DE-C2040	DE-C2040	DE-C2040	DE-C2040
4	Cross connector	VIC410	VIC510	VIC510	VIC1810	VIC1810	VIC1210
5	Splice connector	VIC420	VIC520	VIC520	VIC1820	VIC1820	VIC1220
6	Hanger to soffit	PSF70	PSF70	PSF70	PSF70	PSF70	PSF150
7	Hanger to grid structure	PSF70, PSF25-plus or PSF 20					
8	Grid structure						

<sup>(1)</sup> reinforcement profile per VIC profile with two self-drilling screws, e.g. 2x TCB Philips 4.8 x 13

■ **Load Table | Maximum permissible weight (kg/m<sup>2</sup>)**

		Load table <sup>(1)</sup> Permissible weight (kg/m <sup>2</sup> ), deflection L/300									
	Wide span profile distances	Hanger distances									
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5
VIC 40	1.2 m	19.0	10.0	6.0	3.5						
	1.6 m	14.0	6.5	4.0							
VIC 500W	1.2 m		13.0	7.5	4.5						
	1.6 m		10.0	5.0							
VIC 50	1.2 m		15.5	8.5	5.5						
	1.6 m		11.0	6.0	4.0						
VIC 80	1.2 m		22.0	14.0	9.5	6.5	5.0				
	1.6 m		16.0	10.0	7.0	5.0	3.0				
VIC 88	1.2 m		16.5	13.0	9.0	6.5					
	1.6 m		12.0	10.0	6.5	4.5					
VIC 120	1.2 m					24.5	18.0	13.5	10.5	7.5	
	1.6 m					18.0	13.0	10.0	7.05	5.5	
	2.2 m					13.0	9.5	7.0	5.5	4.0	
No. Cross Tees /reinforcement profiles		1 x			2 x			3 x			

For other applications please contact Knauf Ceiling Solutions.

<sup>(1)</sup> For all installations, up to three reinforcement profiles must be used between two fixing points (see system drawing) to ensure no over-turning of the profiles.

<b>Fire reaction</b>		<b>Euroclass A1</b> as per EN 13501-1	<b>RUS KMO (NG) / KM1 (G1, V1, D1, T1)</b> as per 123-FZ
<b>Indoor air quality</b>		<b>A+</b>	
<b>Cleanability</b>			
<b>Sustainability</b>		up to 25%	
<b>Design options</b>			

All measurements in millimetres. All sizes are nominal.

Products may vary from country to country. Please contact your local sales representative.

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