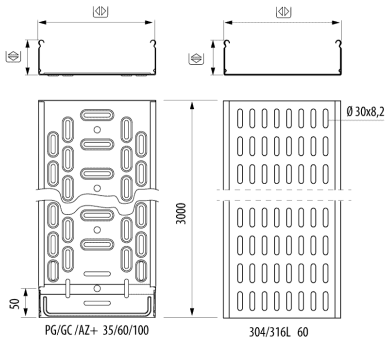
Pemsaband One. Perforated Click System Cable tray





Description

Perforated and embossed sheet steel tray of 35, 60 and 100 mm height, in GC, PG, AZ+, INOX 304 and 316L Protection System with a safety edge. The Pemsaband® One Perforated tray is suitable for supporting and routing electrical cables of medium and light loads. Ease of assembly thanks to its Click system of fast coupling between lengths, saving on material and labour. There are a wide variety of sizes to choose from according to the needs of each installation.

Advantages

Click system for the easy assembly and joining of straight lengths without the need for any other accessories.

Profiled safety edge for cable protection. It also prevents possible cuts when handled by the installer.

UL Certified by the requirements of NFPA 70 and NEMA VE 1-2009. N Mark of Aenor according to IEC 61537 and CE Conformity to Directive 2014/35 /EU.

The perforated and embossed base increases the transverse and longitudinal strength thus increasing the load capacity. It prevents fluid retention and achieves a lower unit weight.

Wide variety of sizes, protection systems and accessories to adapt to the requirements of each electrical installation.

Applications

Support, management and distribution of cables in Electrical and/or telecommunications installations in: Civil Works, Tunnels, Car Parks, Public Buildings, Shopping Centres, Data Processing Centres, Infrastructures, Airports, Underground and Railway. Tertiary sector and industrial applications: Naval, Petrochemical, Textile, Chemical and Food. Indoor applications in the dry or in exterior atmospheres with wet environments according to the various protection systems.

Solutions

RENEWABLE ENERGIES SERVICE AND RETAIL FIRE RESISTANCE SOLUTION

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Pemsaband One. Perforated Click System
Cable tray

Main technical characteristics

100, 35, 60	100, 200, 300, 400, 500, 600, 150, 60	3	20 J	IP23	-50 / 150 °C	ETIM 10 EC000047

Product data

	Class IEC 61537			REF	kg/u			mm²	
PG	Class 3	100	100	75224100	1,416	12	Steel with surface coating	9492	E90 (90 min. 1000°C)
PG	Class 3	100	200	75224200	2,133	6	Steel with surface coating	19392	E90 (90 min. 1000°C)
PG	Class 3	100	300	75224300	2,628	6	Steel with surface coating	29292	E90 (90 min. 1000°C)
PG	Class 3	100	400	75224400	4,424	6	Steel with surface coating	39192	A1 No combustible
PG	Class 3	100	500	75224500	5,170	6	Steel with surface coating	49092	A1 No combustible
PG	Class 3	100	600	75224600	5,895	6	Steel with surface coating	58992	A1 No combustible
GC	Class 5	100	100	75234100	1,616	12	Steel with surface coating	9492	E90 (90 min. 1000°C)
GC	Class 5	100	200	75234200	2,393	6	Steel with surface coating	19392	E90 (90 min. 1000°C)
GC	Class 5	100	300	75234300	3,258	6	Steel with surface coating	29292	E90 (90 min. 1000°C)
GC	Class 5	100	400	75234400	4,794	6	Steel with surface coating	39192	A1 No combustible
GC	Class 5	100	500	75234500	5,600	6	Steel with surface coating	49092	A1 No combustible
GC	Class 5	100	600	75234600	6,386	6	Steel with surface coating	58992	A1 No combustible
PG	Class 3	35	100	75821100	0,683	24	Steel with surface coating	3122	E90 (90 min. 1000°C)
PG	Class 3	35	150	75821150	0,852	12	Steel with surface coating	4822	E90 (90 min. 1000°C)
PG	Class 3	35	200	75821200	1,230	12	Steel with surface coating	6522	E90 (90 min. 1000°C)
PG	Class 3	35	300	75821300	1,651	12	Steel with surface coating	9922	E90 (90 min. 1000°C)
PG	Class 3	35	400	75821400	2,444	6	Steel with surface coating	13322	A1 No combustible
PG	Class 3	60	60	75822060	0,873	24	Steel with surface coating	3122	A1 No combustible
PG	Class 3	60	100	75822100	0,854	24	Steel with surface coating	5572	E90 (90 min. 1000°C)
PG	Class 3	60	150	75822150	1,221	12	Steel with surface coating	8522	E90 (90 min. 1000°C)
PG	Class 3	60	200	75822200	1,450	12	Steel with surface coating	11472	E90 (90 min. 1000°C)
PG	Class 3	60	300	75822300	2,171	6	Steel with surface coating	17372	E90 (90 min. 1000°C)
PG	Class 3	60	400	75822400	2,694	6	Steel with surface coating	23272	A1 No combustible
PG	Class 3	60	500	75822500	4,580	6	Steel with surface coating	29172	A1 No combustible
PG	Class 3	60	600	75822600	5,305	6	Steel with surface coating	35072	A1 No combustible
GC	Class 5	35	100	75831100	0,797	24	Steel with surface coating	3122	E90 (90 min. 1000°C)
GC	Class 5	35	150	75831150	0,995	12	Steel with surface coating	4822	E90 (90 min. 1000°C)
GC	Class 5	35	200	75831200	1,440	12	Steel with surface coating	6522	E90 (90 min. 1000°C)
GC	Class 5	35	300	75831300	1,881	12	Steel with surface coating	9922	E90 (90 min. 1000°C)
GC	Class 5	60	60	75832060	0,966	24	Steel with surface coating	3122	A1 No combustible
GC	Class 5	60	100	75832100	0,997	24	Steel with surface coating	5572	E90 (90 min. 1000°C)
GC	Class 5	60	150	75832150	1,400	12	Steel with surface coating	8522	E90 (90 min. 1000°C)
GC	Class 5	60	200	75832200	1,650	12	Steel with surface coating	11472	E90 (90 min. 1000°C)
GC	Class 5	60	300	75832300	2,441	6	Steel with surface coating	17372	E90 (90 min. 1000°C)
GC	Class 5	60	400	75832400	3,024	6	Steel with surface coating	23272	A1 No combustible
GC	Class 5	60	500	75832500	4,960	6	Steel with surface coating	29172	A1 No combustible

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Pemsaband One. Perforated Click System
Cable tray

Ⓢ	IEC 61537			Ref	kg/u		Ⓜ	mm²	
GC	Class 5	60	600	75832600	5,745	6	Steel with surface coating	35072	A1 No combustible
INOX	Class 9C	60	100	76452100	0,858	24	Stainless steel AISI 304	5572	E90 (90 min. 1000°C)
INOX	Class 9C	60	150	76452150	1,015	12	Stainless steel AISI 304	8522	E90 (90 min. 1000°C)
INOX	Class 9C	60	200	76452200	1,186	12	Stainless steel AISI 304	11472	E90 (90 min. 1000°C)
INOX	Class 9C	60	300	76452300	1,898	6	Stainless steel AISI 304	17372	E90 (90 min. 1000°C)
INOX	Class 9C	60	400	76452400	2,394	6	Stainless steel AISI 304	23272	E90 (90 min. 1000°C)
INOX	Class 9C	60	500	76452500	3,320	6	Stainless steel AISI 304	29172	E90 (90 min. 1000°C)
INOX	Class 9C	60	600	76452600	3,875	6	Stainless steel AISI 304	35072	E90 (90 min. 1000°C)
INOX	Class 9D	60	100	76462100	0,858	24	Acero inoxidable AISI 316L	5572	E90 (90 min. 1000°C)
INOX	Class 9D	60	150	76462150	1,015	12	Acero inoxidable AISI 316L	8522	E90 (90 min. 1000°C)
INOX	Class 9D	60	200	76462200	1,186	12	Acero inoxidable AISI 316L	11472	E90 (90 min. 1000°C)
INOX	Class 9D	60	300	76462300	1,898	6	Acero inoxidable AISI 316L	17372	E90 (90 min. 1000°C)
INOX	Class 9D	60	400	76462400	2,394	6	Acero inoxidable AISI 316L	23272	A1 No combustible
INOX	Class 9D	60	500	76462500	3,320	6	Acero inoxidable AISI 316L	29172	A1 No combustible
INOX	Class 9D	60	600	76462600	3,875	6	Acero inoxidable AISI 316L	35072	A1 No combustible
AZ+	Class 8	60	60	82003744	0,867	24	Steel with surface coating	3122	E90 (90 min. 1000°C)
AZ+	Class 8	60	100	82003745	1,020	24	Steel with surface coating	5572	E90 (90 min. 1000°C)
AZ+	Class 8	60	150	82003746	1,221	12	Steel with surface coating	8522	E90 (90 min. 1000°C)
AZ+	Class 8	60	200	82003747	1,450	12	Steel with surface coating	11472	E90 (90 min. 1000°C)
AZ+	Class 8	60	300	82003748	2,481	6	Steel with surface coating	17372	E90 (90 min. 1000°C)
AZ+	Class 8	60	400	82003749	3,073	6	Steel with surface coating	23272	E90 (90 min. 1000°C)
AZ+	Class 8	60	500	82003750	3,680	6	Steel with surface coating	29172	E90 (90 min. 1000°C)
AZ+	Class 8	60	600	82003751	4,265	6	Steel with surface coating	35072	E90 (90 min. 1000°C)
AZ+	Class 8	100	100	82004260	1,416	12	Steel with surface coating	9492	E90 (90 min. 1000°C)
AZ+	Class 8	100	200	82004261	2,433	6	Steel with surface coating	19392	E90 (90 min. 1000°C)
AZ+	Class 8	100	300	82004262	2,998	6	Steel with surface coating	29292	E90 (90 min. 1000°C)
AZ+	Class 8	100	400	82004263	4,424	6	Steel with surface coating	39192	E90 (90 min. 1000°C)
AZ+	Class 8	100	500	82004264	5,170	6	Steel with surface coating	49092	E90 (90 min. 1000°C)
AZ+	Class 8	100	600	82004265	5,895	6	Steel with surface coating	58992	E90 (90 min. 1000°C)

Ⓢ Protection System

CU - Copper electroplated

PG - Pregalvanised

EZ - Electrogalvanised

BC - Electrogalvanised Bichromate

BK8 - High Resistance Coating

GC - Hot Dip Galvanising

INOX - Stainless Steel

PT - Polyester Paint

AL - Aluminum

LN - Brass or Nickel-plated brass

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Pemsaband One. Perforated Click System
Cable tray

Insulating materials

PC+ABS - Halogen Free Polycarbonate + ABS

PVC - Polyvinyl Chloride

PP - Halogen Free Polypropylene

PA6 - Halogen Free Polyamide 6

PA12 - Halogen Free Polyamide 12

PU - Polyurethane

PE - Polyethylene

NBR - NBR rubber

PET - Thermoplastic Polyester

TPV - Thermoplastic

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Pemsaband One. Perforated Click System
Cable tray

Load diagrams



Ensayos de carga CTA instalaciones horizontales

Valores obtenidos según la norma IEC 61537, edición 3, según ensayos vertical horizontal multi vano recogido en el punto 10.5.1 de dicha norma, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso.

Load Tests for SWL mounted in the horizontal plane

Values obtained in accordance with IEC 61537, edition 3, according to the horizontal vertical tests of multiple spans listed in point 10.5.1 of this standard, with a safety factor of 170% and without collapse in any case.

Essais de charge de travail admissible (CTA) pour les installations horizontales

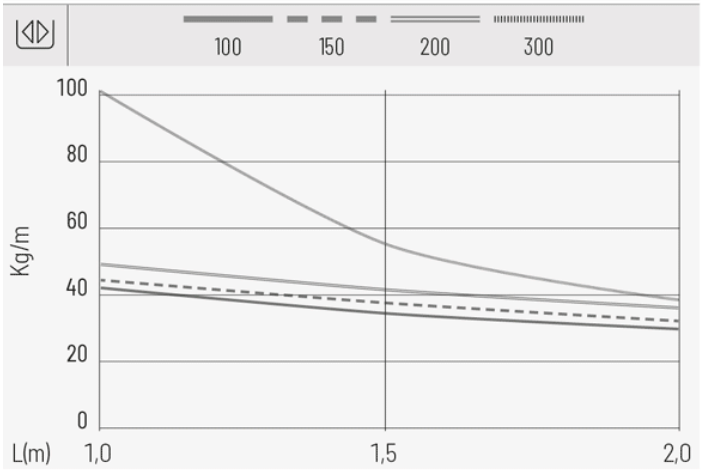
Valeurs obtenues conformément à la norme CEI 61537, édition 3, selon les essais verticaux horizontaux à travées multiples énumérés au point 10.5.1 de la présente norme, avec un coefficient de sécurité de 170 % et sans jamais atteindre l'effondrement.

Ensaios de carga CTA em instalações horizontais

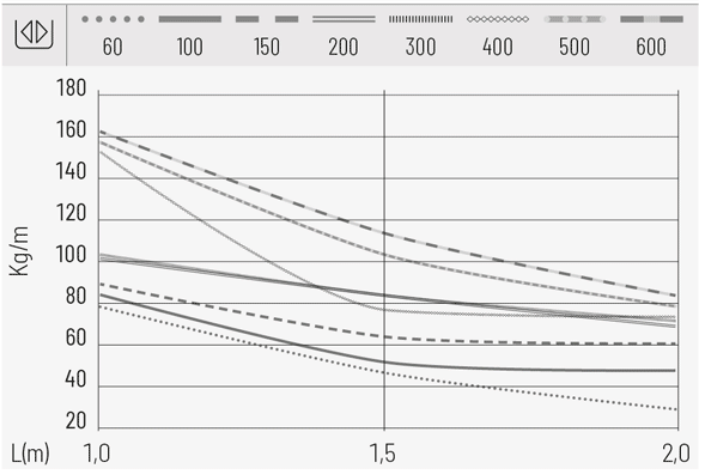
Valores obtidos de acordo com a norma IEC 61537, edição 3, segundo os ensaios vertical horizontal de vãos múltiplos enumerados no ponto 10.5.1 da presente norma, com um coeficiente de segurança de 170% e sem nunca atingir o colapso.

	60	100	150	200	300	400	500	600
	mm²							
35	-	3.122	4.822	6.522	9.922	13.322	-	-
60	3.122	5.572	8.522	11.472	17.372	23.272	29.172	35.072
100	-	9.492	-	19.392	29.292	39.192	49.092	58.992

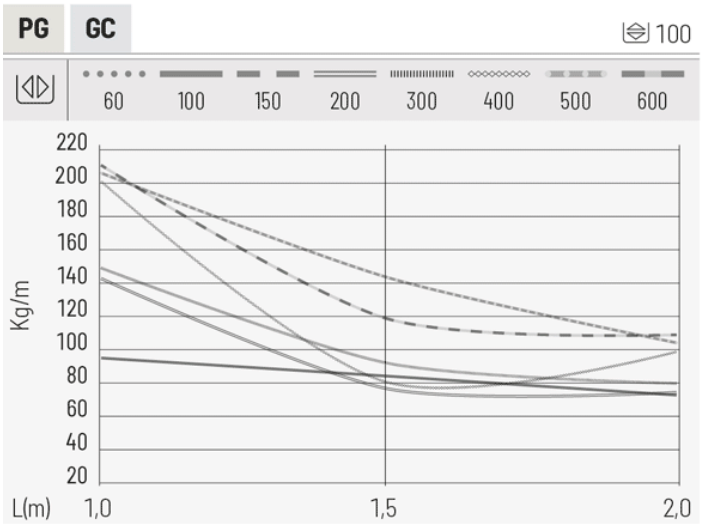
PG **GC** — 35



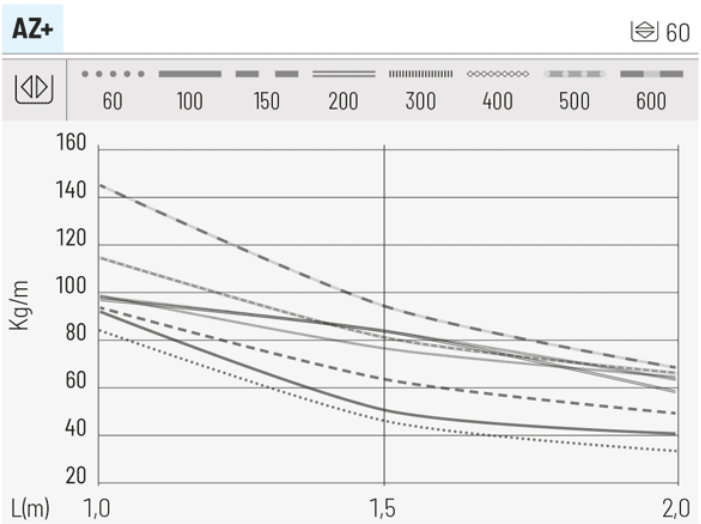
PG **GC** — 60



PG **GC** — 100



AZ+ — 60



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Pemsaband One. Perforated Click System
Cable tray

Ensayos de carga CTA instalaciones verticales en recorrido horizontal

Valores obtenidos según la norma IEC 61537, edición 3, según ensayos vertical horizontal multi vano recogido en el punto 10.5.1 de dicha norma, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso.

Load Tests for SWL mounted in the vertical plane running horizontally

Values obtained in accordance with IEC 61537, edition 3, according to the horizontal vertical tests of multiple spans listed in point 10.5.1 of this standard, with a safety factor of 170% and without collapse in any case.

Essais de charge de travail admissible (CTA) pour les installations verticales avec déplacement horizontal

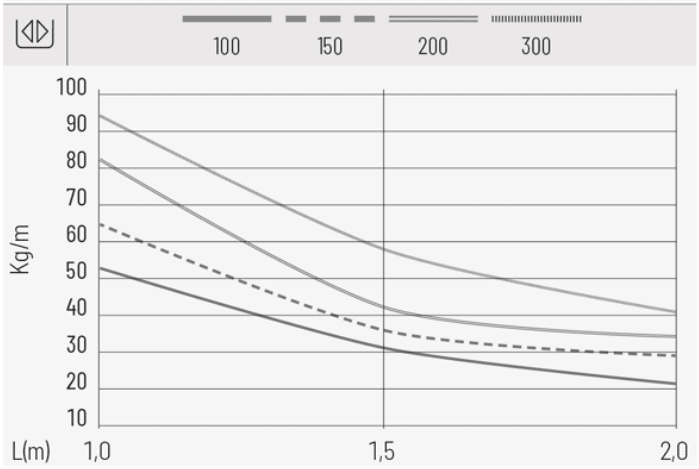
Valeurs obtenues conformément à la norme CEI 61537, édition 3, selon les essais verticaux horizontaux à travées multiples énumérés au point 10.5.1 de la présente norme, avec un coefficient de sécurité de 170 % et sans jamais atteindre l'effondrement.

Ensaios de carga CTA instalações verticais em deslocações horizontais

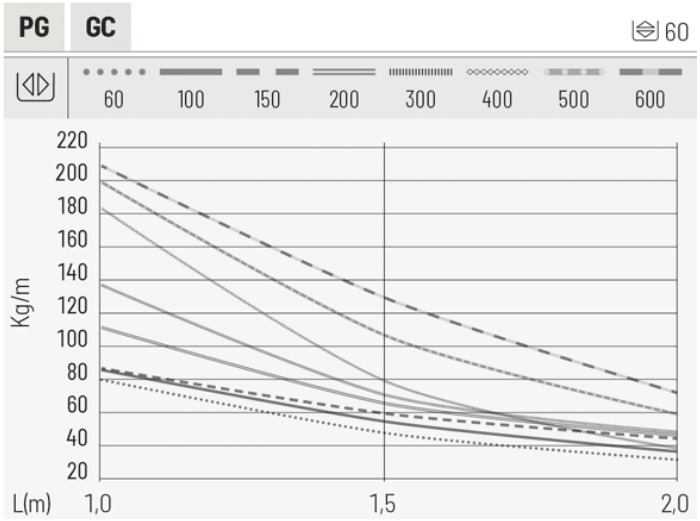
Valores obtidos de acordo com a norma IEC 61537, edição 3, segundo os ensaios vertical horizontal de vãos múltiplos enumerados no ponto 10.5.1 do presente norma, com um coeficiente de segurança de 170% e sem nunca atingir o colapso.

	60	100	150	200	300	400	500	600
	mm²							
35	-	3.122	4.822	6.522	9.922	13.322	-	-
60	3.122	5.572	8.522	11.472	17.372	23.272	29.172	35.072
100	-	9.492	-	19.392	29.292	39.192	49.092	58.992

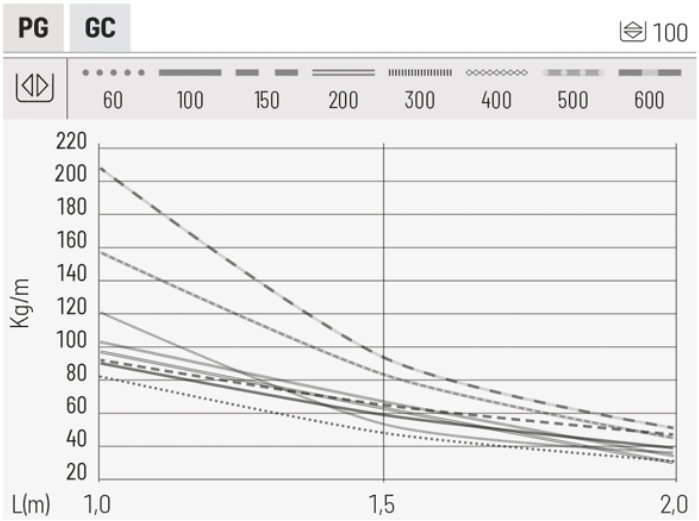
PG **GC** — 35



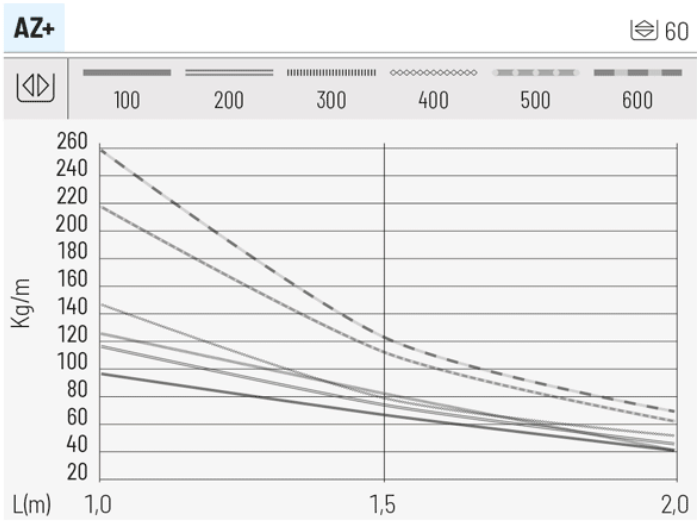
PG **GC** — 60



PG **GC** — 100



AZ+ — 60

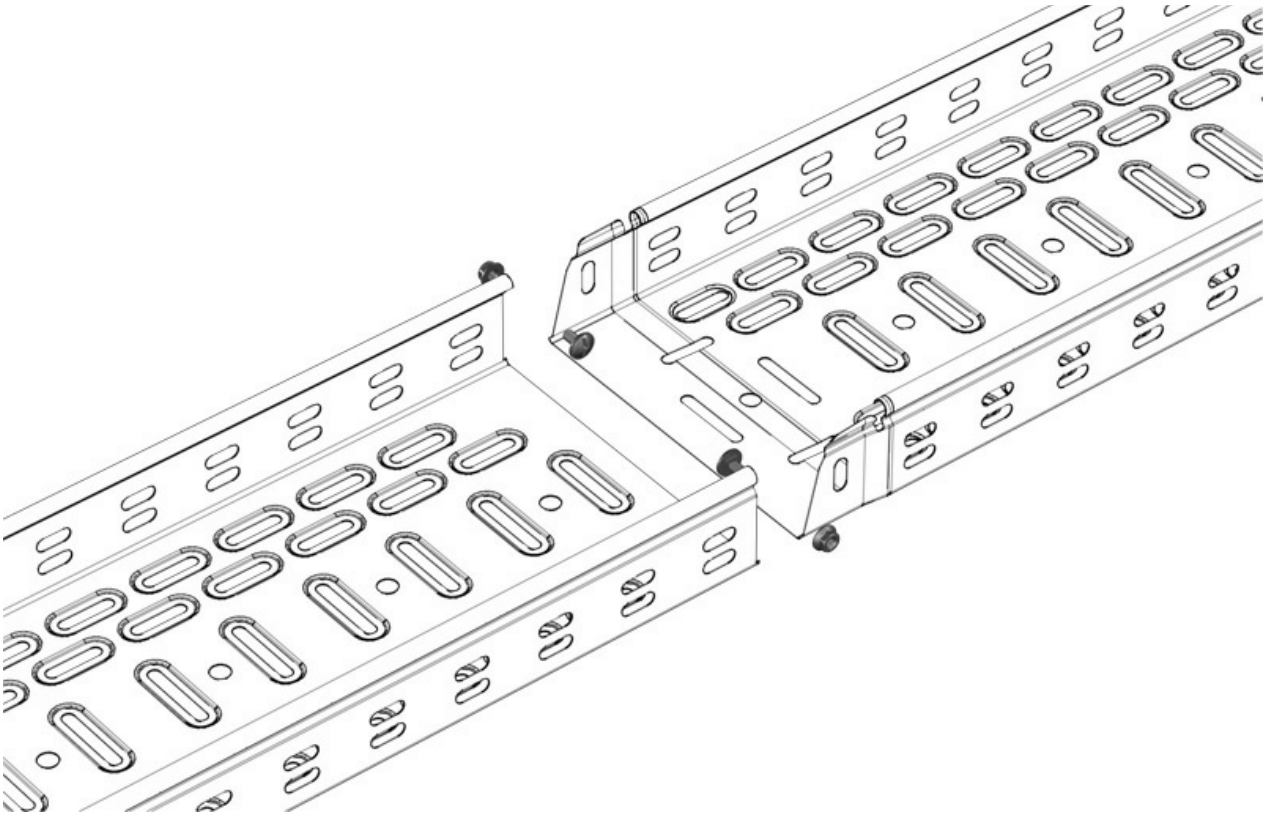


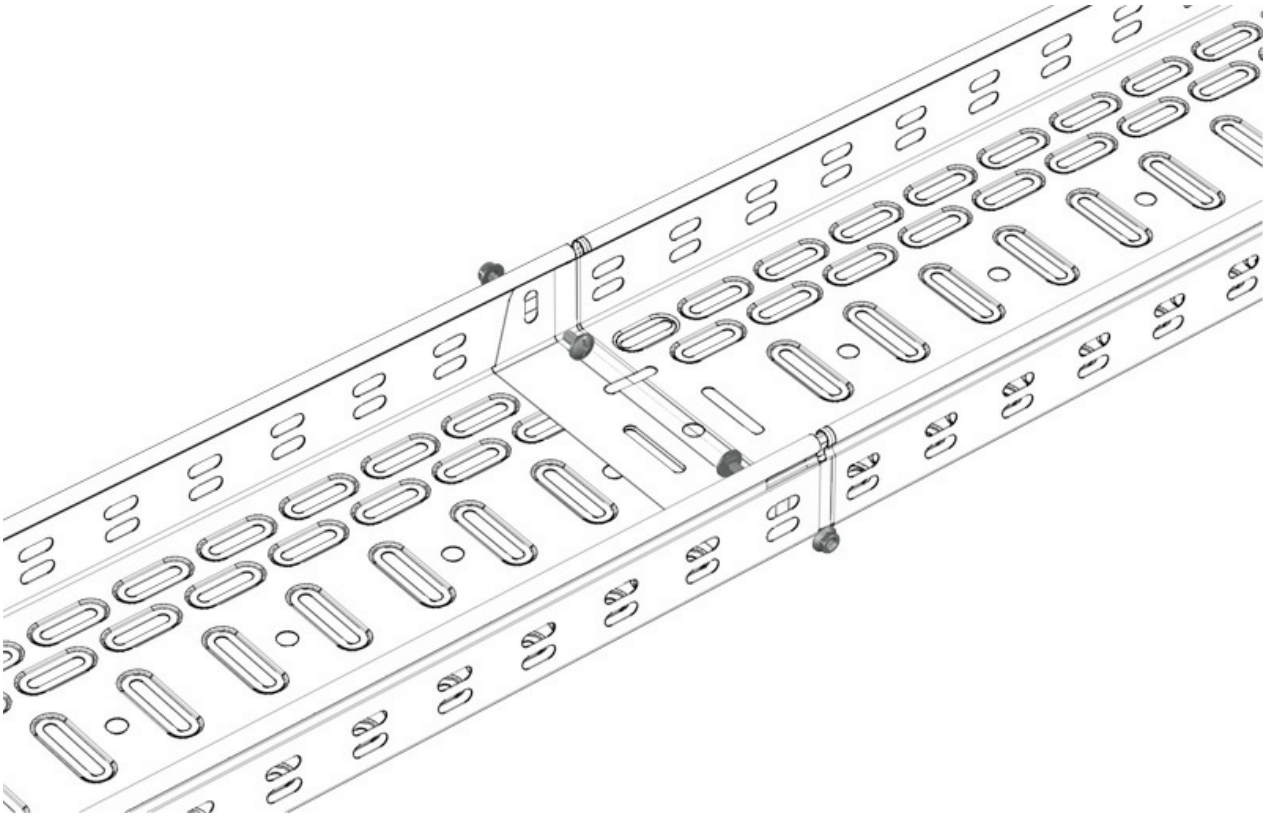
Product applications

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Pemsaband One. Perforated Click System

Cable tray

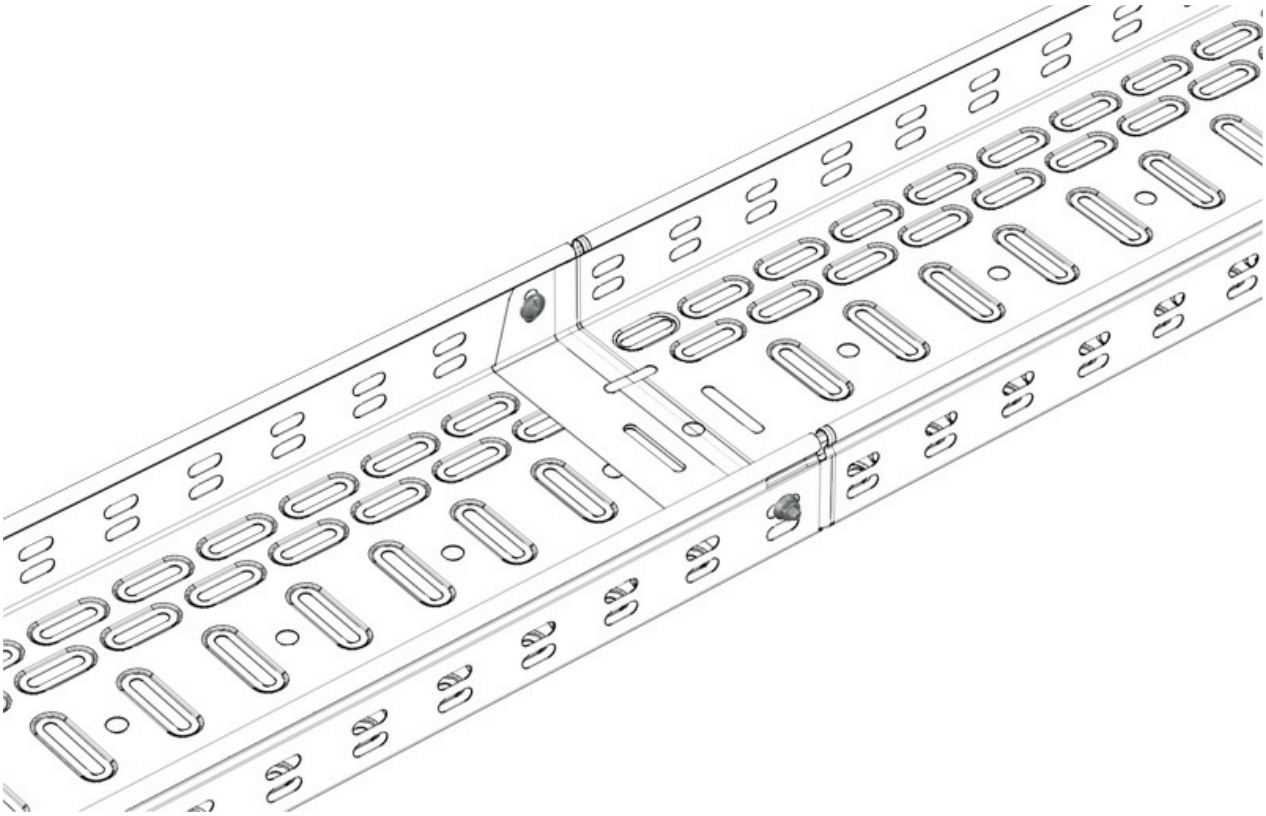




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Pemsaband One. Perforated Click System

Cable tray



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