



L 100.100...

NEW

MOUNTING PROFILE



New in the assortment	Side rail height in mm	Operating temperature range	Hardware
Discontinued model	Wire diameter in mm	Fast install	Installation instructions
Halogen-free	Cover hole and depth in mm	Glow wire test acc. DIN EN 60695-2-10 / VDE 0471-2-10	Reference note
Silicone-free	Pipe diameter in mm	acc. DIN EN 60695-2-11 / VDE 0471-2-11	Information pages

All products in this catalog are classified according to the EAN code (13 digits). The first 7 digits indicate the country (40 = Germany) and the manufacturer's code (13339 = Niedax). The following six digits are the product code.  
Example EAN code of the product TK 60.85 = 40 13339 183708



Please ask for the certifications VDE/UL



BIM-Data on request

## Steel

<b>B</b> Steel, bare
<b>V</b> Steel, electro galvanised according to DIN EN ISO 19598, blue passivated, (connecting elements galvanised according to DIN EN ISO 4042)
<b>VC</b> Steel, electro galvanised according to DIN EN ISO 19598, blue passivated and powdercoated
<b>VZL</b> Steel, electro galvanised, passivated, top layer sealed
<b>G</b> Steel, electro galvanised according to DIN EN ISO 19598, thick-film passivated, (connecting elements galvanised according to DIN EN ISO 4042)
<b>S</b> Steel, pre-galvanised according to DIN EN 10346
<b>F</b> Steel, hot dip galvanised according to DIN EN ISO 1461, (connecting elements hot dip galvanised according to DIN EN ISO 10684)
<b>SB</b> Steel, black-oxide finish
<b>FG</b> Steel, geomet® galvanised
<b>DV</b> Steel, wire galvanised according to DIN EN 10244
<b>C1</b> Epoxy Coating, halogen-free
<b>C</b> COLOR Steel, pre-galvanised and powder coated

C	STANDARD COLOUR	SURFACE ALUMINIUM	
	VW	N	P
Complete model-No. for the colour identity	traffic white RAL 9016 on stock	aluminium natural anodized	aluminium plate-finished

Other RAL colours on request. For possible colour divergences we assume no liability

<b>F1</b> Steel, zinc coating and chromate Steel, zinc coating & chromate Thickness of zinc is between 8-12 microns, electrolytic galvanizing & additionally chromated. Corrosion resistance measured by using a salt spray test acc. to DIN 50021 (ASTM-B117-90) at least 72 hours.	<b>F6</b> Natural colour Untreated material against corrosion.
<b>F2</b> Steel, hot dip galvanised Thickness of zinc between 50-70 microns, after immersion machining in a bath of molten zinc.	<b>F7</b> Steel, plastic coating EVA (Ethylene Vinyl Acetate Copolymer Saponifies, Levasint®) resistance to fire according to DIN 4102.
<b>F3</b> Stainless steel (material code: 1.4401 [316]) Indoor use / Outdoor in humid environments and moderately aggressive.	<b>F8</b> Steel, mechanical zinc plated / passivated High quality coating. Corrosion resistance measured by means of a test salt spray according to DIN 50 021 (ASTM-B117-90) is at least 500 hours.
<b>F4</b> Steel, coated Dekor-lacquer interior use in dry environments and not corrosive.	<b>F9</b> Steel, mechanical zinc plated / passivated High quality coating. Corrosion resistance measured by means of a test salt spray according to DIN 50021 (ASTM-B117-90) is at least 600 hours.
<b>F5</b> Brass For indoor use only.	<b>F10</b> Steel, electrical mechanical / passivated Zinc coating thickness of 5 microns, electrolytically applied and clear passivated according to BS EN 12329 2000 FE/ZN5//A.

**AL** Aluminium, N = naturally anodized, P = mill-finished, C = powdercoated in RAL colours

**P** Electrotechnical Porcelain, halogen-free      **MS** Brass      **CU** Copper

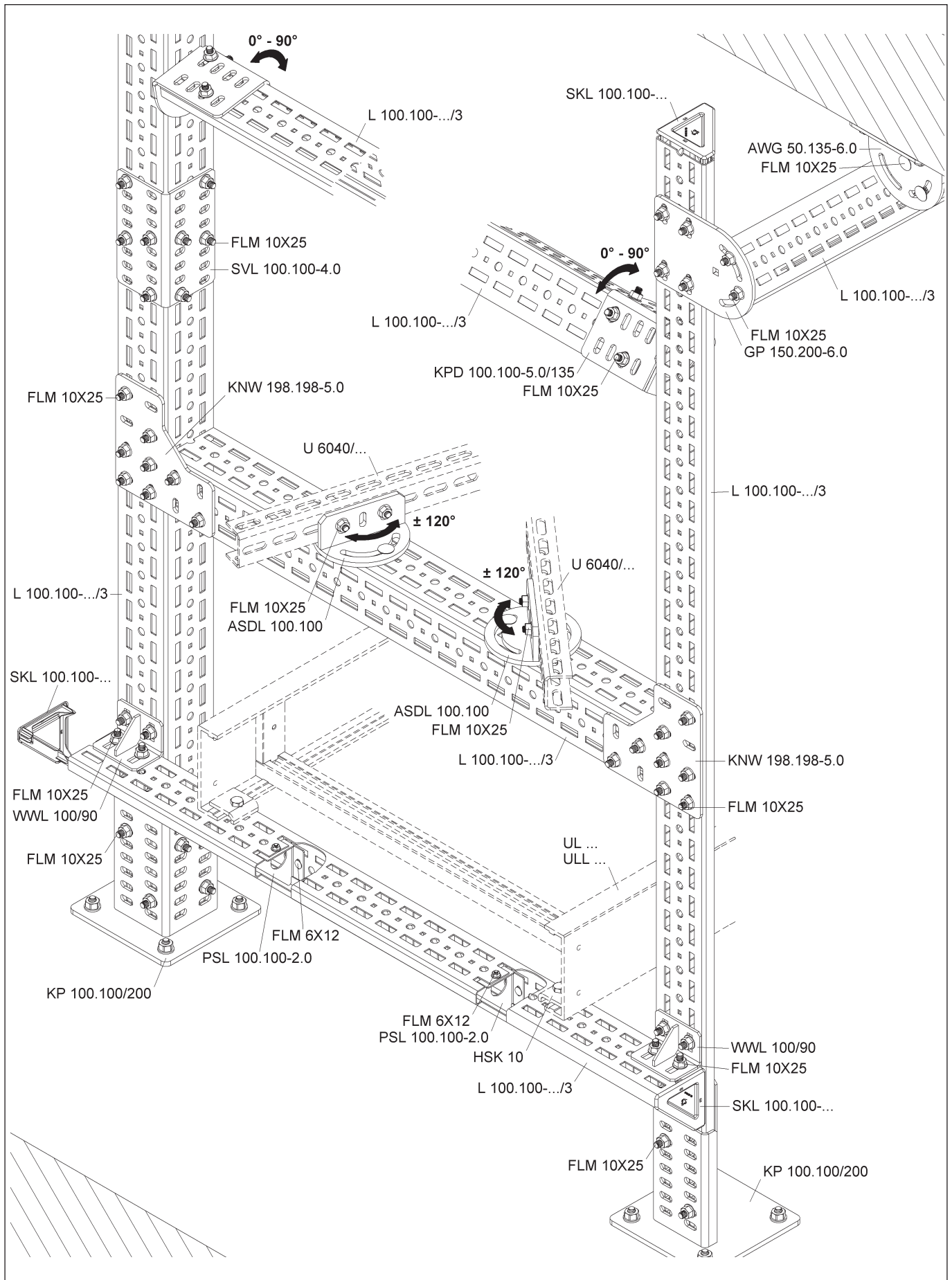
## Stainless Steel

<b>E1</b> Material code: 1.4016	<b>E4</b> Material code: 1.4404/AISI 316L	<b>E7</b> Material code: 1.4547	<b>E10</b> Material code: 1.4307/AISI 304L
<b>E2</b> Material code: 1.4310	<b>E5</b> Material code: 1.4571/AISI 316Ti	<b>E8</b> Material code: 1.4430	<b>E11</b> Material code: 1.4034
<b>E3</b> Material code: 1.4301/AISI 304	<b>E6</b> Material code: 1.4529	<b>E9</b> Material code: 1.4362	<b>E12</b> Material code: 1.4462

## Plastics/Elastomer

<b>K01</b> PA - Polyamide, halogen-free	<b>K14</b> POM - Polyoxymethylene, halogen-free
<b>K02</b> PS - Polystyrene, impact resistant, halogen-free	<b>K15</b> SBR - Styrene Butadiene Rubber, halogen-free
<b>K03</b> PE - Polyethylene, halogen-free	<b>K16</b> CR/NBR - Chloroprene/Nitrile Butadiene Rubber, halogenated
<b>K04</b> PP - Polypropylene, halogen-free	<b>K17</b> CR/SBR - Chloroprene/Styrene Butadiene Rubber, halogenated
<b>K05</b> PC - Polycarbonate, halogen-free	<b>K18</b> TPE - Thermoplastic Elastomers, halogen-free
<b>K06</b> SBR/NBR - Styrene Butadiene Nitrile Rubber, halogen-free	<b>K19</b> FS 31 - Moulding material 31 (Phenolic Resin), halogen-free
<b>K07</b> CR - Neoprene (Chloroprene Rubber), halogen-free	<b>K20</b> SI - Silicone Rubber, halogen-free
<b>K08</b> NBR - Nitrile Butadiene Rubber, halogen-free	<b>K21</b> PUR - Polyurethanes, halogen-free
<b>K09</b> PVC-hard - Polyvinyl Chloride Hard, halogenated	<b>K22</b> PET - Polyethylene Terephthalate, halogen-free
<b>K10</b> PVC-soft - Polyvinyl Chloride Soft, halogenated	<b>K23</b> UP-GF - Glass Fiber Reinforced Polyester, halogen-free
<b>K11</b> ABS - Acrylnitrile Butadiene Styrene, halogen-free	<b>K24</b> PBT - Polybutylene Terephthalate, halogen-free
<b>K12</b> ASA - Acrylic Acid Ester-Styrene-Acrylonitrile Graft Copolymer, halogen-free	

# System Overview



# MOUNTING PROFILE

## Profile L 100.100

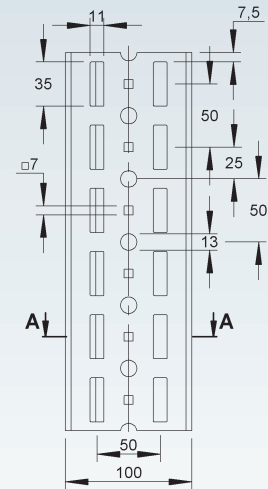
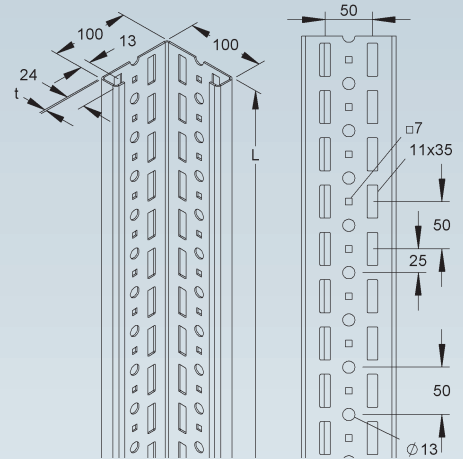
pickled

	Model No.	Material thickness (t) mm	Length L mm	EAN code	Weight in kg per 100 m	Smallest packaging unit
★ E4	L 100.100-2.0/3 E4G	2	3000	243884	349,24	3 m
★ E4	L 100.100-3.0/3 E4G	3	3000	243891	506,19	3 m

for creating suspensions and supporting structures with system components

Two-sided perforation arrangement 11x35 mm, 7x7 mm and Ø 13 mm.

1. the cross-section values refer to the perforated area of the profile.

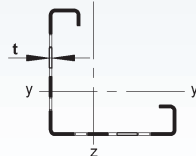


1.

A-A

t = 2 mm  
 $I_y = 57,59 \text{ cm}^4$   
 $I_z = 57,59 \text{ cm}^4$

t = 3 mm  
 $I_y = 80,75 \text{ cm}^4$   
 $I_z = 80,75 \text{ cm}^4$



t = 2 mm  
 $W_y = 8,91 \text{ cm}^3$   
 $W_z = 8,91 \text{ cm}^3$

t = 3 mm  
 $W_y = 12,44 \text{ cm}^3$   
 $W_z = 12,44 \text{ cm}^3$

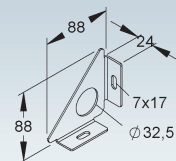
## Reinforcement for L-profile

pickled

	Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4	PSL 100.100-2.0 E4G	2	2 FLM 6X12 E5	243679	10,58	1 pc.

for reinforcement of the L-profile in areas of high load and pressure

Used for: profile L 100.100... E4G



## Protective Cap

with UV protection

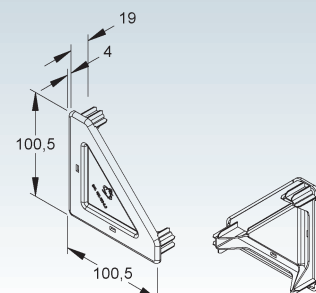
	Model No.	Colour	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ K04	SKL 100.100-2.0	black	249923	1,78	50 pcs.
★ K04	SKL 100.100-3.0	black	249930	1,75	50 pcs.

to protect the profile ends

**The end caps must be prescribed in areas where the risk of hazard is important!**

Used for: profile L 100.100... E4G

To ensure that the protective cap can be fitted without any problems, a distance of at least 30 mm from the end of the profile must be kept free.



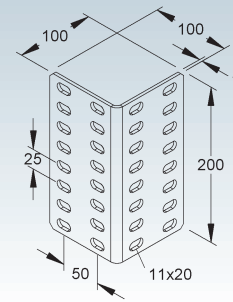
### Splice Plate

pickled, equal-sided angle

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 SVL 100.100-4.0 E4G	4	8 FLM 10X25 E4	243686	134,8	10 pcs.

Used for: profile L 100.100... E4G

Double-sided slotted hole (11x20 mm), in two rows at a distance of 50 mm.



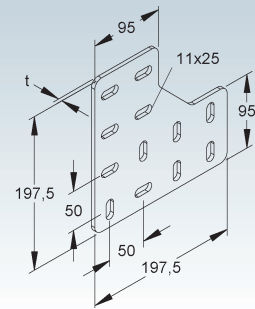
### Angle Connector 90°

pickled

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 KNW 198.198-5.0 E4G	5	8 FLM 10X25 E4	243587	137,67	1 pc.

for mounting two L-profiles at a 90° angle

Used for: profile L 100.100... E4G



### Screw Head Plate for L-profile

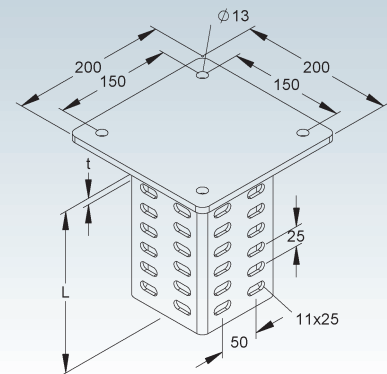
pickled

Model No.	Total length L mm	Thickness of head plates (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 KP 100.100/200 E4G	208	8	4 FLM 10X25 E4	243617	405,35	1 pc.

for mounting L-profiles on horizontal ceilings and floors

**Total length = length of the C-shaped mounting profile including the head plate**

Used for: profile L 100.100... E4G



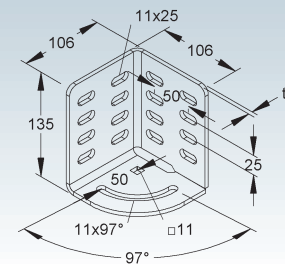
### Head Plate, rotatable for L-profile

pickled, with adjustment range of 0° - 90°

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 KPD 100.100-5.0/135 E4G	5	6 FLM 10X25 E4	243631	142,68	1 pc.

for front mounting on L-profiles with an adjustment range

Used for: profile L 100.100... E4G



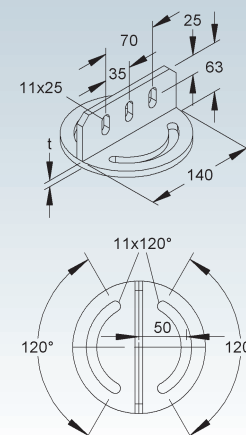
### Head Plate, rotatable for L-profile

pickled, with adjustment range of ± 120°

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 ASDL 100.100 E4G	8	4 FLM 10X25 E4	243518	141,94	1 pc.

for intersecting mounting on L-profiles with an adjustment range

Used for: profile L 100.100... E4G



# MOUNTING PROFILE

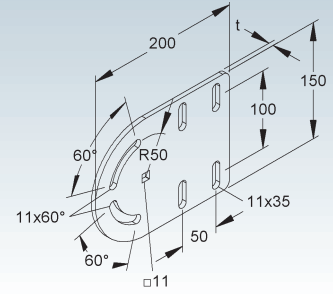
## Joint Plate for L-profile

pickled, with adjustment range of  $\pm 60^\circ$

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 GP 150.200-6.0 E4G	6	6 FLM 10X25 E4	243563	141,57	1 pc.

for connecting two L-profiles at different angles

Used for: profile L 100.100... E4G



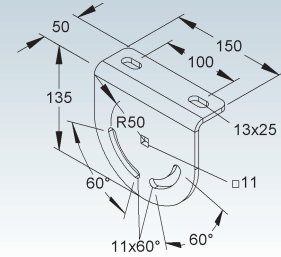
## Connection Angle, adjustable

pickled, with vertical adjustment range of  $\pm 60^\circ$

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 AWG 50.135-6.0 E4G	6	2 FLM 10X25 E4	243532	112,87	1 pc.

for mounting L-profiles on straight/sloped ceilings and walls

Used for: profile L 100.100... E4G



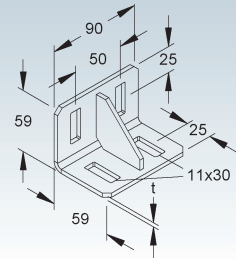
## Wall Connection Angle for L-profile

pickled, equal-sided

Model No.	Material thickness (t) mm	Incl. Accessories	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
★ E4 WWL 100/90 E4G	4	4 FLM 10X25 E4	243716	48,38	10 pcs.

for floor-, ceiling- or wall mounting and as a reinforcement angle on the L-profile

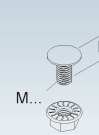
Used for: profile L 100.100... E4G



## Mushroom-Head Bolt, similar to DIN 603

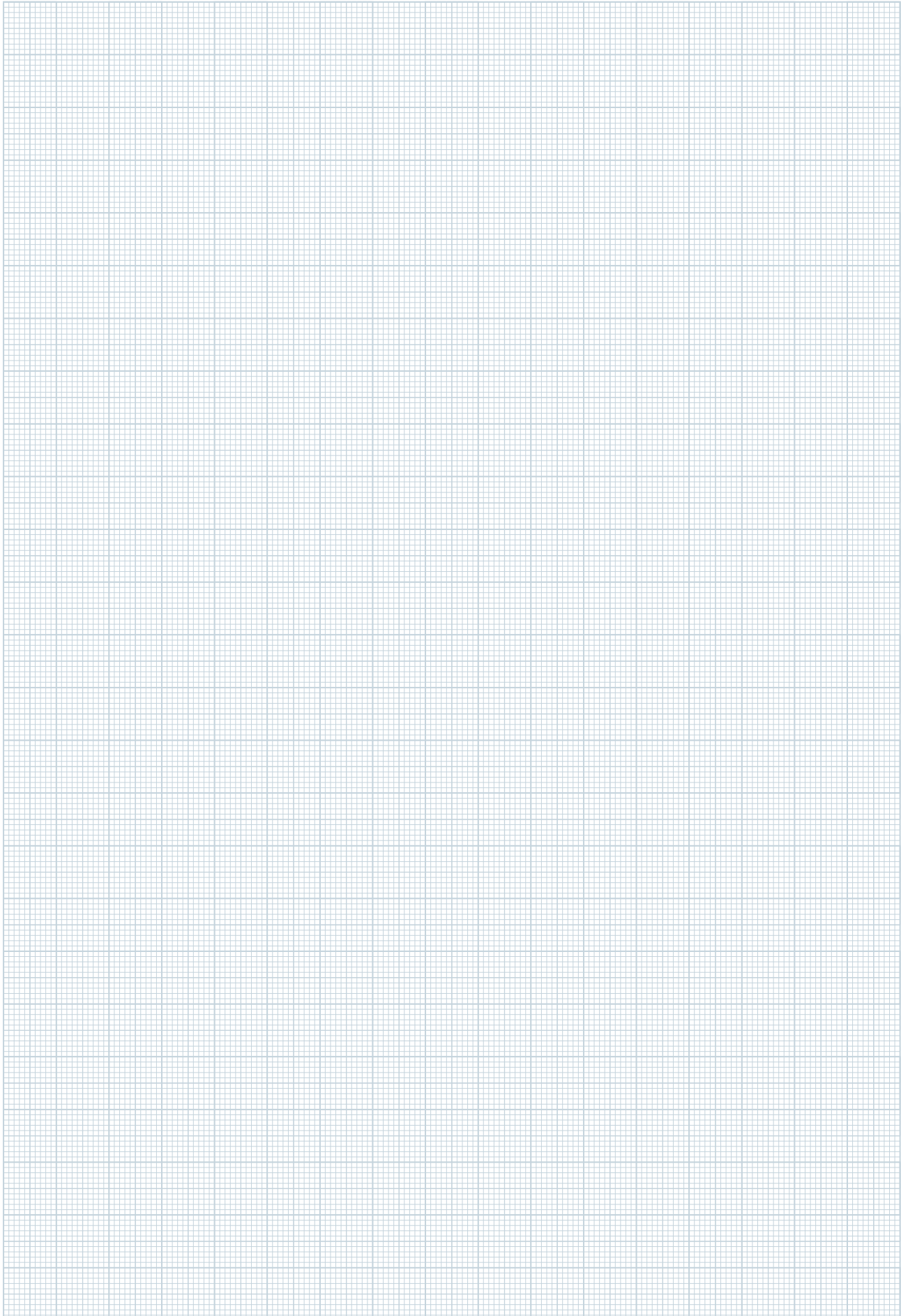
incl. toothed flange nut acc. to DIN EN 1661

Model No.	Thread M	Length L mm	EAN code	Weight in kg per 100 pcs.	Smallest packaging unit
E5 FLM 6X12 E5	6	12	729104	0,79	50 pcs.
★ E4 FLM 10X25 E4	10	25	243556	3,88	50 pcs.





# NOTES





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