C PURLIN

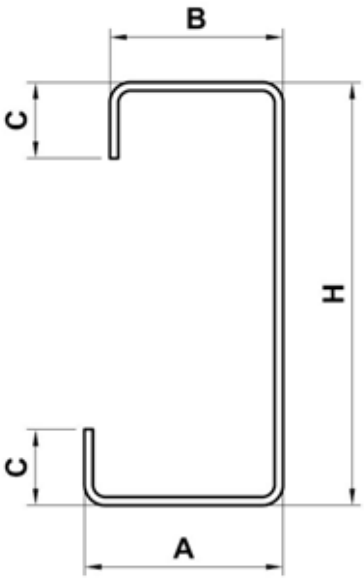
Our pre-punched purlins are quick to install and suitable for both insulated and uninsulated roofs and walls.

The thickness and height of the purlin selected depend on span length and loads. To optimise the design, use our PurCalc software.

Applications:

- Industrial construction
- Hall and warehouse construction
- Extension construction and renovation
- Agricultural projects

PROPERTIES



Model name	C purlin
Section Type	C-sections
Height	100, 120, 150, 200, 250, 300 mm
Thickness	1.0 - 3.0 mm
Minimum Length	1600 mm
Maximum Length	18000 mm
Material	Hot galvanised steel sheet Steel quality S350GD+Z275 according to EN 10346
Tolerances	Roll formed products EN 10162 Press-braked products EN 1090-2 Material EN 10143

CROSS-SECTION GEOMETRIES

Type of purlin	Thickness (mm)	H (mm)	A (mm)	B (mm)	C (mm)	Weight (kg/m)
LP-C100	1	100	45	39	>=15.50	1.63
	1.2		45.4	39.4	>=15.90	1.96

	1.5		46	40	>=16.50	2.45
LP-C120	1	120	45	39	>=16.00	1.81
	1.2		45.4	39.4	>=16.40	2.17
	1.5		46	40	>=17.00	2.71
	2		47	41	>=18.00	3.61
LP-C150	1	150	45	39	>=16.00	2.04
	1.2		45.4	39.4	>=16.40	2.45
	1.5		46	40	>=17.00	3.06
	2		47	41	>=18.00	4.08
LP-C200	1.5	200	70	62	>=24.00	4.36
	2		71	63	>=25.00	5.81
	2.5		72	64	>=26.00	7.26
	3		73	65	>=27.00	8.71
LP-C250	1.5	250	70	62	>=24.00	4.92
	2		71	63	>=25.00	6.56
	2.5		72	64	>=26.00	8.2
	3		73	65	>=27.00	9.84
LP-C300	1.5	300	89	81	>=22.50	5.95
	2		90	82	>=23.50	7.93
	2.5		91	83	>=24.50	9.91
	3		92	84	>=25.50	11.89

ACCESSORIES

15 SEP, 2016
Profiled sheets and purlins accessories
PDF, 4.57 MB

DESIGN TOOLS

DESIGN TOOLS

DESIGN TOOLS

Our PurCalc software is constantly improved and updated to easily design and optimise Ruukki's lightweight purlin sections.

Choosing the right filters will help you to select the right product characteristics. The software enables the calculation of various roof purlin systems, whether the purlins are restrained by trapezoidal sheeting or roof sandwich panels.

Download PurCalc

DETAIL DRAWINGS (.DWG)

06 MAY, 2016
Ruukki lightweight purlins details EN [dwg files]
ZIP, 20.26 MB

DETAIL DRAWINGS (.PDF)

06 MAY, 2016
Ruukki lightweight purlins details EN [pdf files]
ZIP, 3.52 MB

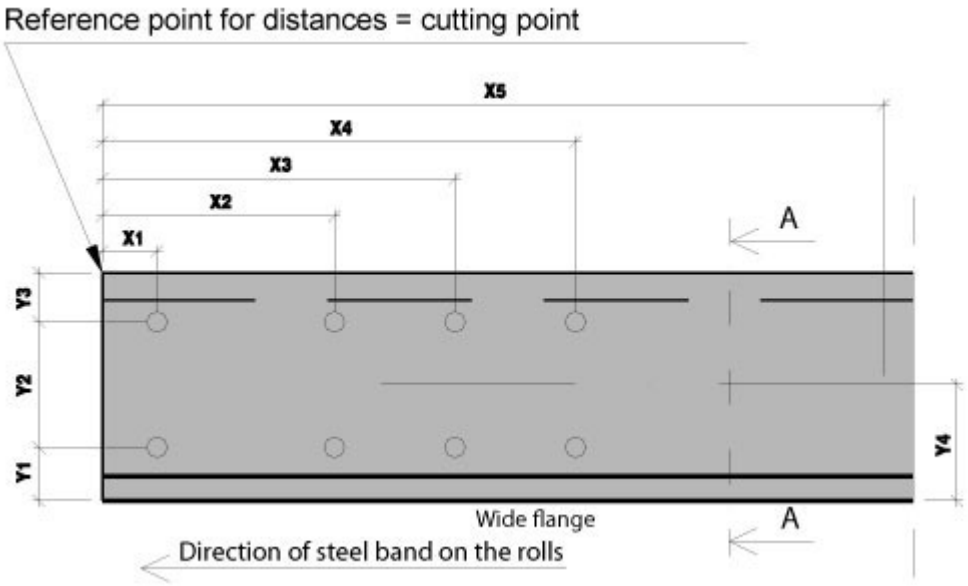
INSTRUCTIONS

ORDERING

Please provide the following information when ordering:

- Type of purlin
- Thickness
- Length
- Number.

In case of pre-punched purlins, please send us purlin drawings showing the location of the holes.



TECHNICAL MANUAL

06 MAY, 2016
lightweight purlin technical manual
PDF, 5.84 MB

PRE-PUNCHING SERVICE

Purlins can be pre-punched in our factory. This makes construction on-site faster and easier. The standardised sizes and locations of holes for fixing screws are presented below. Please contact us for additional information about the pre-punching possibilities.

Holes are made during production at continuous line.

Additional information:

- Max. material thickness 3mm (for ø 60mm max. material thickness 2mm)
- Holes can be made in a row
- Oval and rectangular holes can be rotated by 90°.

Type of hole	Diameter (mm)	Rotation (°)
Round	7	-
Round	10	-

Round	12	-
Round	14	-
Round	16	-
Round	18	-
Round	20	-
Round	22	-
Round	26	-
Round	60	-
Oval	12×24	90
Oval	14×24	90
Oval	16×35	90
Oval	18×31.7	90
Oval	18×35	90
Oval	20×35	90
Rectangular	5×25	90

CERTIFICATES & APPROVALS

DECLARATION OF PERFORMANCE

11 MAY, 2016
Declaration-of-Performance-Vimpeli-LBS
PDF, 234.97 KB