

## H PURLIN



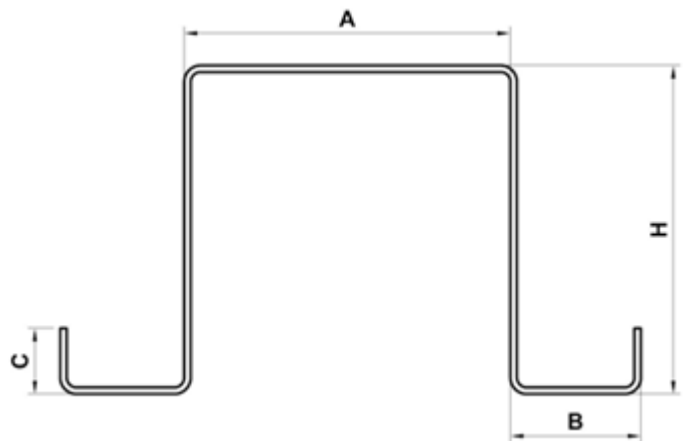
Our pre-punched purlins are quick to install and suitable for both insulated and uninsulated roofs and walls. The thickness and height of the purlin selected depend on span length and loads. To optimise the design, use our PurCalc software.

Common applications include:

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

The information on our website is accurate to the best of our knowledge and understanding. Although every effort has been made to ensure accuracy, the company cannot accept any responsibility for any direct or indirect damages resulting from possible errors or incorrect application of the information of this publication. We reserve the right to make changes.

# PROPERTIES



<b>Model name</b>	H Purlin
<b>Section type</b>	H-sections
<b>Height</b>	100, 125, 150, 200, 250 mm
<b>Thickness</b>	1.0–2.5 mm
<b>Minimum length</b>	1600 mm
<b>Maximum Length</b>	15000 mm
<b>Quality control</b>	According to EN 1090
<b>Material</b>	Hot galvanised steel sheet Steel quality S350GD+Z275 according to EN 10346
<b>Tolerances</b>	Dimensions and shape according to EN 1090-4, material thickness according to EN 10143

## CROSS-SECTION GEOMETRIES

Type of purlin	Thickness (mm)	H (mm)	A (mm)	B (mm)	C (mm)	Weight (kg/m)	Max length (m)
LP-H100	1.0	100	100.0	47.0	$\geq 18.0$	3.28	10.00
	1.2	100	100.0	47.0	$\geq 18.0$	3.95	10.00
	1.5	100	100.0	47.0	$\geq 18.0$	5.00	15.00
	2.0	100	100.0	47.0	$\geq 18.0$	6.67	15.00

LP-H125	1.0	125	100.0	40.0	>=16.0	3.60	10.00
	1.2	125	100.0	40.0	>=16.0	4.32	10.00
	1.5	125	100.0	40.0	>=16.0	5.40	15.00
	2.0	125	100.0	40.0	>=16.0	7.20	15.00
LP-H150	1.0	150	100.0	45.0	>=16.0	4.00	10.00
	1.2	150	100.0	45.0	>=16.0	4.80	10.00
	1.5	150	100.0	45.0	>=16.0	6.00	15.00
	2.0	150	100.0	45.0	>=16.0	8.00	15.00
LP-H200	1.5	200	120.0	47.0	>=16.0	7.80	14.10
	2.0	200	120.0	47.0	>=16.0	10.50	11.43
	2.5	200	120.0	47.0	>=16.0	12.75	9.41
LP-H250	1.5	250	120.0	50.0	>=16.0	9.00	12.22
	2.0	250	120.0	50.0	>=16.0	12.00	10.00
	2.5	250	120.0	50.0	>=16.0	15.08	7.96

## ACCESSORIES

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15 SEP, 2016

Profiled sheets and purlins accessories

PDF, 4.80 MB

## DESIGN TOOLS

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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

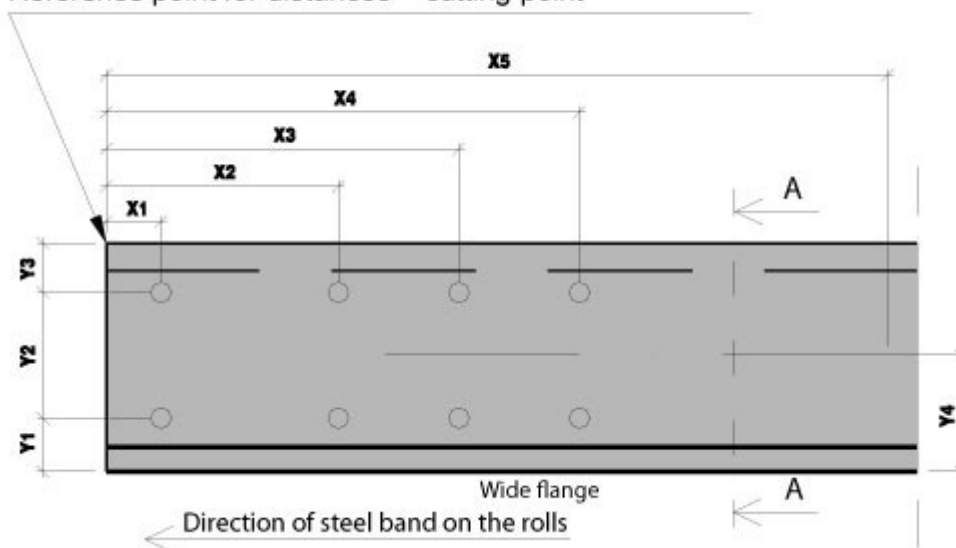
## ORDERING

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.

Reference point for distances = cutting point



# 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  $\varnothing$  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	14x24	90
Oval	16x35	90
Oval	18x31.7	90
Oval	18x35	90
Oval	20x35	90
Rectangular	5x25	90

## CERTIFICATES & APPROVALS

### DECLARATION OF PERFORMANCE



**11 MAY, 2016**

Declaration of Performance 12/LBS/VIM - Load bearing products  
PDF, 494.06 KB