



Purlins & Sections



We are a family
run UK business with
over 50 years experience
in the industry.

AGRICULTURAL • INDUSTRIAL • COMMERCIAL • RESIDENTIAL • LEISURE



PURLINS & SECTIONS

ZED PURLINS · CEE SECTIONS & MEZZANINE BEAMS · EAVES BEAMS

Hornsey Steel Panels and Sections produces an extensive selection of steel purlins and sections, specifically engineered to provide secondary support to the primary structural steel framework of buildings. These products are ideal for a wide variety of construction scenarios where both high strength and low weight are critical considerations.

We manufacture a comprehensive range of:

- Zed section purlins
- Cee sections and Mezzanine beams
- Flat face and recessed Eaves beams sections

Our purlins and sections are manufactured from light-gauge, pre-hot-dipped galvanized steel in accordance with BS EN 10346:2015, BS EN 1993-1-3 and BS EN 1090-1:2009+A1:2011 (up to exc 2), featuring a Z275 coating and achieving a minimum yield strength of 450N/mm². These corrosion-resistant steel components are cold-roll-formed utilizing advanced multi-section roll forming technology and have a superior strength-to-weight ratio.

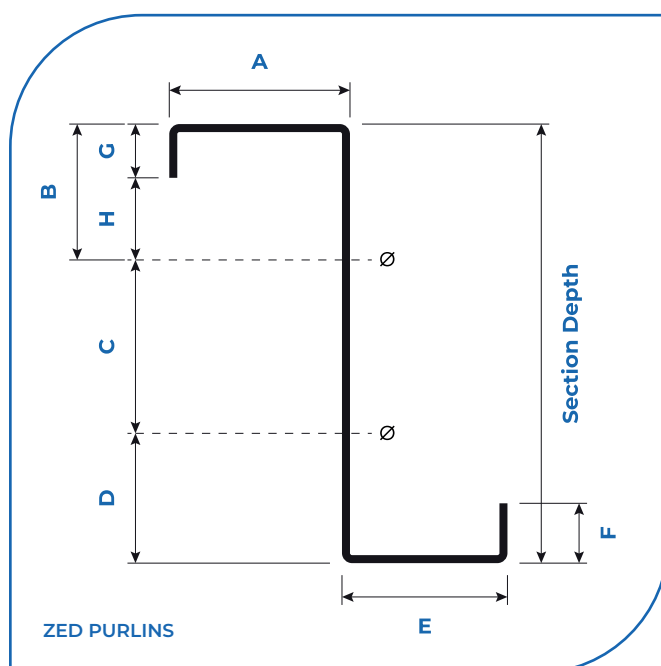


Our complete range of purlins and sections have been assessed by the Steel Construction Institute.

Tailored to specific applications, our steel roof and wall purlins and sections are designed and manufactured to comply with the appropriate performance standards, including British Standards and Eurocodes, and are marked with the appropriate UKCA and CE certifications.

ZED SECTION PURLINS

We manufacture a fully compatible range of steel Zed section purlins in depths ranging from 123mm to 343mm deep, in a thickness range of 1.3mm to 3mm, pre-punched and cut to a maximum of 12m in length (up to 15m by request). In addition, our Zed section purlins come with a wide range of compatible accessories.



Section Depth (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
123*	58	44	37	42	53	19	17	27
143*	58	44	57	42	53	19	17	27
153	58	44	67	42	53	19	17	27
163	63	44	77	42	58	19	17	27
173*	63	44	87	42	58	19	17	27
203*	63	44	117	42	58	19	17	27
233*	63	44	147	42	58	19	17	27
263	63	44	177	42	58	19	17	27
303	90	55	196	52	82	19	17	38
343	90	55	236	52	82	19	17	38

* Figures in bold are our standard core product range, please note that products outside of this range may be subject to extended lead times · Version Purlins 1.0 SK 04/25
All illustrations and dimensions given are for guidance only.

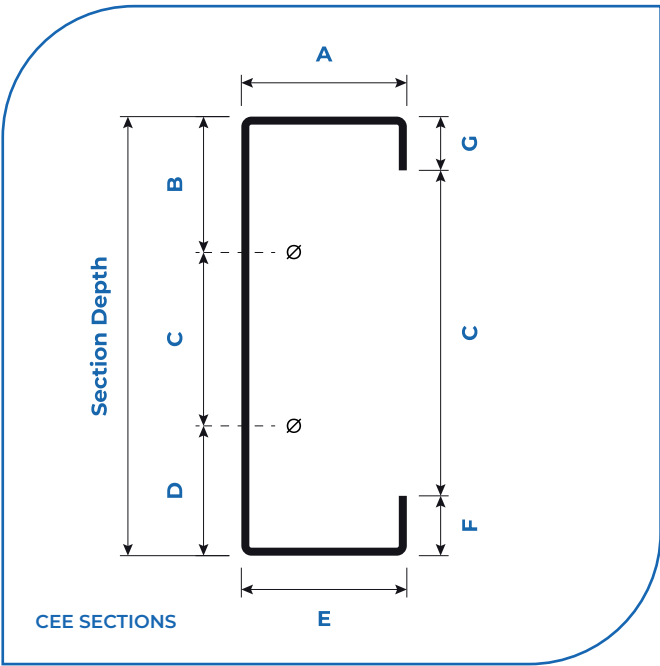


CEE SECTIONS

Hornsey Steel Panels and Sections manufactures Cee section side rails that are fully compatible with our Zed sections and are therefore available in exactly the same range of section depths and thicknesses.

Cee sections and Zed sections are interchangeable for certain purposes such as door and window framing.

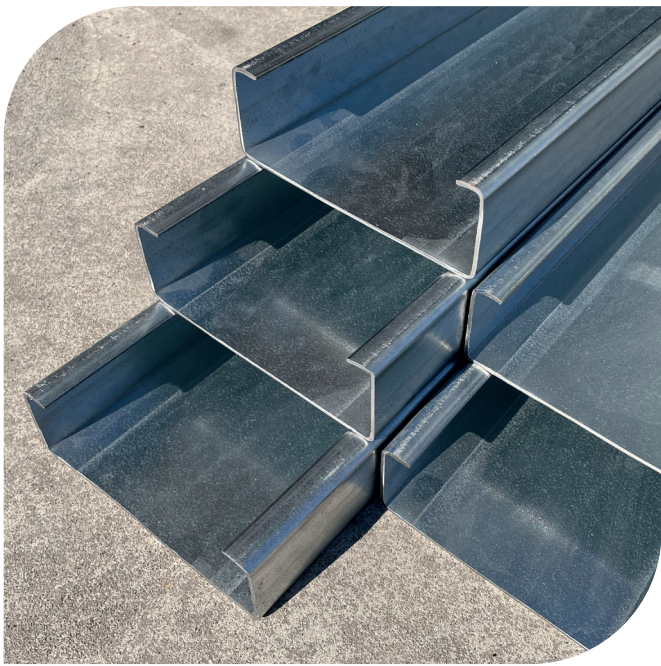
Our Cee sections are in depths ranging from 123mm to 343mm deep, in a thickness range of 1.3mm to 3mm, pre-punched and cut to a maximum of 12m in length (up to 15m by request) and come with a wide range of compatible accessories and are suitable for the majority of roof and wall cladding purposes.



MEZZANINE BEAMS

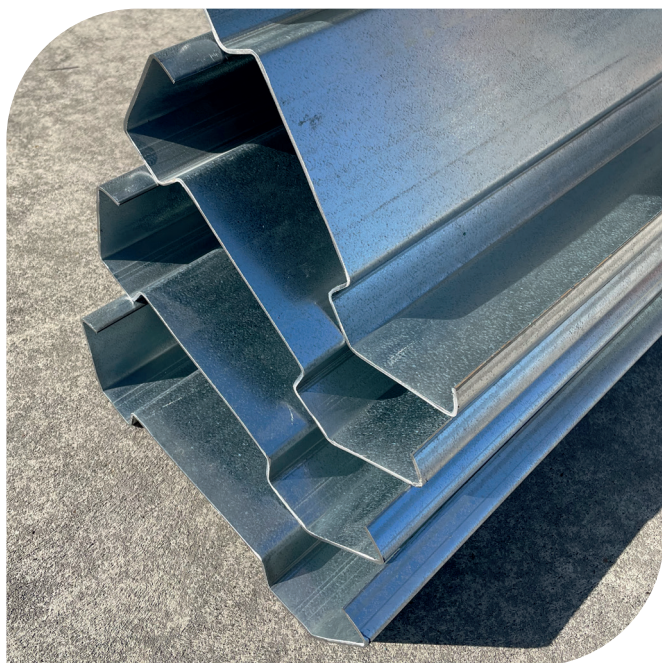
Our strong and lightweight range of cold-roll-formed Cee sections are ideally suited for use as mezzanine flooring beams. Used in conjunction with our mezzanine flooring tie bars and our inset and oversail cleats, this provides the ideal mezzanine flooring support solution.

In the table below, the dimensions which differ between standard Cee sections and the Mezzanine beams are indicated in the red panel, these are the top hole (B), guage line (C) and bottom hole (D).



Section Depth (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	B (mm)	C (mm)	D (mm)
123*	56	43	37	43	56	18	18	41	41	41
143*	56	43	57	43	56	18	18	41	61	41
153	56	43	67	43	56	18	18	46	61	46
163	61	43	77	43	61	18	18	46	71	46
173*	61	43	87	43	61	18	18	51	71	51
203*	61	43	117	43	61	18	18	51	101	51
233*	61	43	147	43	61	18	18	51	131	51
263	61	43	177	43	61	18	18	51	161	51
303	86	54	196	54	86	18	18	51	201	51
343	86	54	236	54	86	18	18	51	241	51

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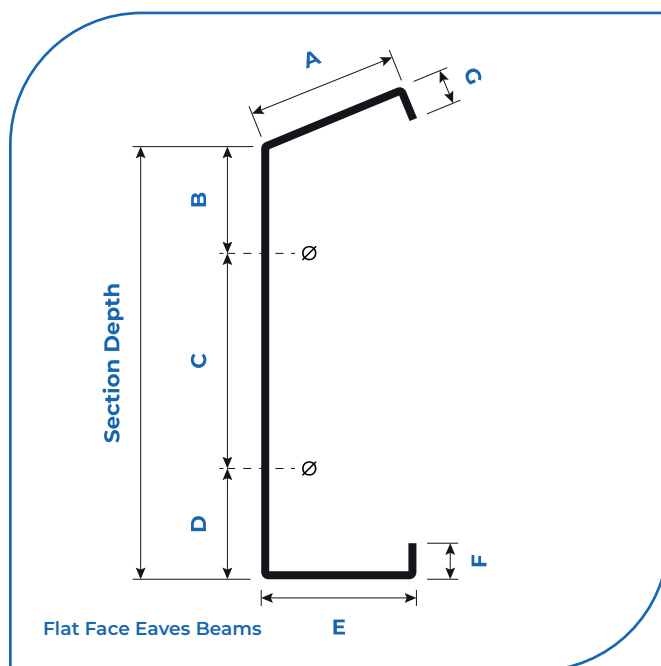
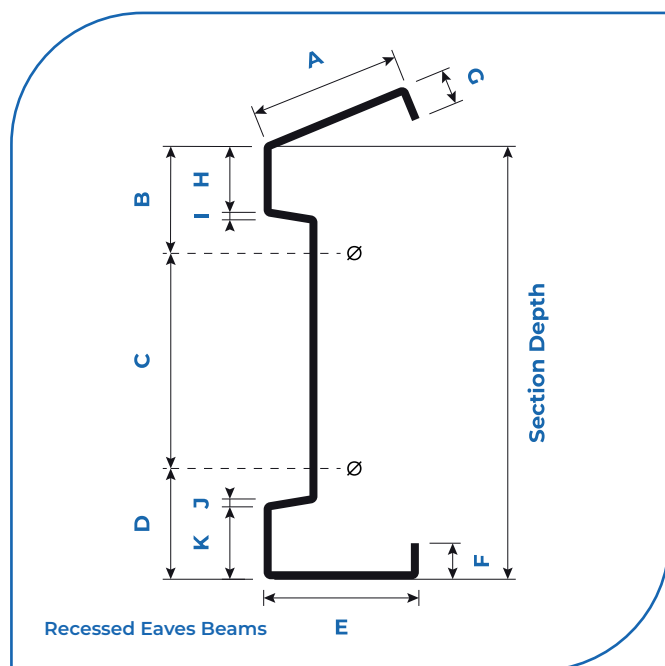
EAVES BEAMS

Our Flat Face and Recessed Eaves beams are used in conjunction with purlins along the eaves of the structure of the building, with the top edge angled to the pitch of the roof.

We manufacture 3 recessed Eaves beams in section depths of 201mm, 251mm and 281mm, in a thickness range of 1.6mm to 3mm and 5 flat face Eaves beams in section depths of 171mm, 201mm, 231mm, 271mm and 331mm, in a thickness range of 1.5mm to 3.0mm, pre-punched and cut to a maximum of 12m in length (up to 15m by request).

Accompanying products, accessories and capabilities include:

- Mini Zed sections
- Cleader rails
- Sleeves
- Anti-sag snap ties
- Anti-sag rail ties
- Apex ties (rod or rail)
- Eaves beam roof rail ties
- Eaves beam side rail supports
- Side rail supports
- Diagonal wire ties
- Various rail joints and jambs
- Cleats
- Packer plates
- Notching
- Countersinking
- Turret punching



Section Depth (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)
Recessed 201*	92	70	61	70	92	18/20	18/20	42	6	6	44
Recessed 251	92	70	111	70	92	18/21	18/21	42	6	6	44
Recessed 281	97	70	141	70	97	18/21	18/21	42	6	6	44
Flat Face 171	92	42	87	42	92	18/20	18/20	-	-	-	-
Flat Face 201*	92	42	117	42	92	18/20	18/20	-	-	-	-
Flat Face 231*	97	42	147	42	97	18/19	18/19	-	-	-	-
Flat Face 271	102	47	177	47	102	18/20	18/20	-	-	-	-
Flat Face 331	92	47	237	47	92	18/20	18/20	-	-	-	-

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For further information, please call us on **01547 530419** or email **info@hspas.co.uk** or visit **hspas.co.uk**