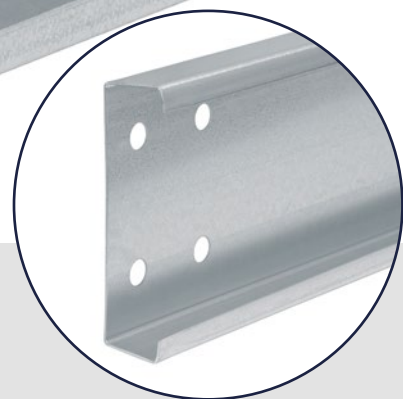
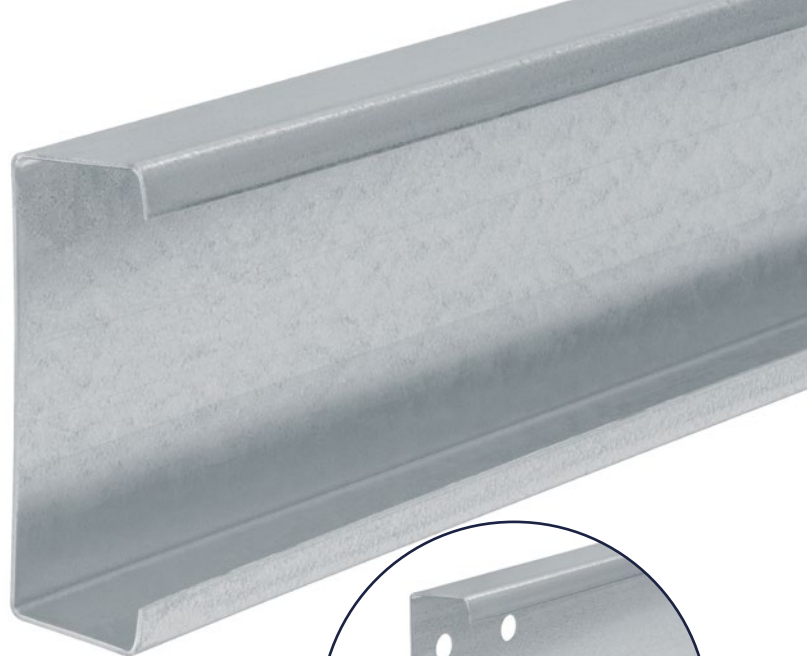


C SECTION PURLINS

Cladco C-section purlins are available in various lengths to suit the framework of your steel building project. Made from durable Z39 galvanised steel, these purlins are adaptable and easy to install, providing strong support for wall cladding, insulation, and sheeting across structural frames.

Choose from punched or unpunched options depending on your project requirements.



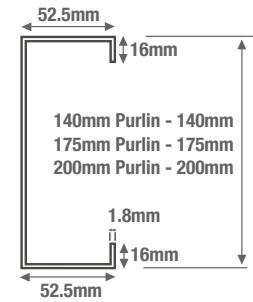
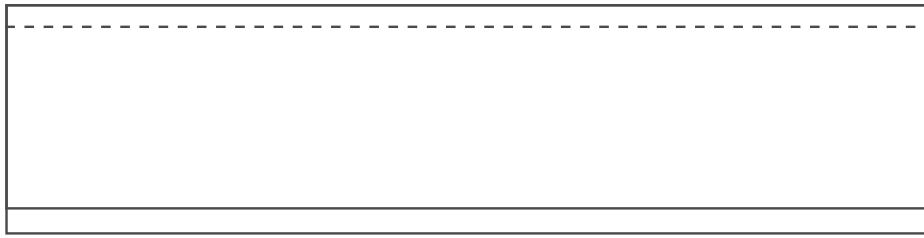
FINISH

GALVANISED
STEEL

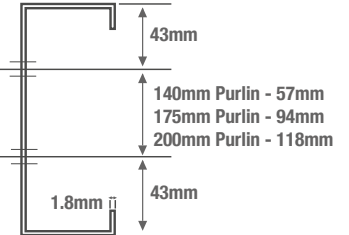
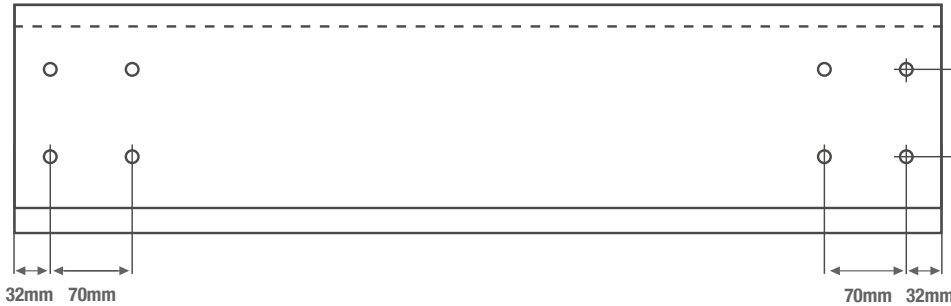
PURLIN SPECIFICATIONS

SKU	C14018 (Unpunched 140mm) C17518 (Unpunched 175mm) C20018 (Unpunched 200mm) C14018P (Punched 140mm) C17518P (Punched 175mm) C20018P (Punched 200mm)
Length	2m to 9m
Thickness	1.8mm
Width	140mm 175mm 200mm
Material	Z39 Galvanised Steel

UNPUNCHED C PURLIN



PUNCHED C PURLIN



MATERIALS

The 1.8mm thick galvanised steel provides robust support for beams.



SURFACES

High-quality Z39 galvanised steel ensures durability and corrosion resistance for your framework.



ACCESSORIES

Secure Cladco C-section purlins using sleeves and cleats, available for purchase separately.



LOW MAINTENANCE

As a low-maintenance galvanised product, C purlins resist corrosion and rust.



LONG-LASTING

Cladco C-section purlins provide long-lasting support for your building project.

TOLERANCE

Purlin cleats are fastened to the roofing structure and serve as attachment points for securing the purlins. When installing cleats, ensure they are positioned within $\pm 5\text{mm}$ of the intended location and aligned within 1 degree of the correct angle.

Please note, positioning cleats within this $\pm 5\text{mm}$ tolerance can result in a total spacing variation of up to 10mm between purlins and rails.



Please note: Images are for illustration purposes only. Actual products may vary slightly from those shown.

C PURLIN RESULT TABLE

Upon a brief visual inspection of the barrier(s) to be tested, no areas of concern were identified. There were no signs of visible damage at the time of the survey that could be considered to affect the overall performance or test results of the purlins.

Below are the tables of results, including all measurements taken, along with the observed resistance and the corresponding support moment.

Test Number	Length, L (m)	Height (mm)	Maximum Load (kN)	Fmax Displacement at B (mm)	Fmax Displacement at C (mm)	Fmax Displacement at D (mm)	Support Moment, M (kNm)
1	9	200	3.08	42.88	77.11	35.46	6.85
2	9	175	3.50	60.90	118.78	53.3	7.79
3	9	140	2.81	75.13	149.39	61.19	6.25
4	8	200	4.28	43.70	83.20	43.14	8.45
5	8	175	4.29	68.65	108.72	56.76	8.47
6	8	140	3.57	89.56	151.89	71.71	7.05
7	7	200	4.61	34.14	72.01	36.31	7.95
8	7	175	4.02	36.96	76.60	39.98	6.93
9	7	140	3.79	50.01	105.53	57.90	6.54
10	6	200	3.75	48.85	51.25	16.05	5.53
11	6	175	4.25	19.02	57.96	39.92	6.27
12	6	140	3.09	28.88	78.17	63.68	4.56
13	5	200	5.18	9.13	40.33	27.12	6.35
14	5	175	5.09	18.23	52.75	35.90	6.24
15	5	140	3.74	39.99	57.21	30.88	4.58
16	4	200	9.84	16.72	27.00	6.14	9.58
17	4	175	6.47	9.86	38.16	23.53	6.31
18	4	140	5.49	18.62	49.67	31.66	5.35
19	3	200	6.45	3.51	21.55	11.24	4.68
20	3	175	4.10	6.72	30.04	15.21	2.97
21	3	140	3.39	21.50	34.68	10.69	2.46
22	2	200	4.48	11.20	18.87	11.76	2.13
23	2	175	4.33	9.29	14.61	11.58	2.06
24	2	140	3.68	8.72	20.74	31.31	1.75

C PURLIN MEASURED YIELD TABLE

This table shows the measured yield values for Cladco C-section purlins, reflecting their load-bearing capacity and structural performance. The data includes observed resistance and support moments, helping you select the right purlins for your project to ensure safety and durability.

Test Number	Length, L (m)	Height (mm)	Maximum Load (kN)
1	9	200	1.96
2	9	175	2.55
3	9	140	2.12
4	8	200	1.14
5	8	175	2.89
6	8	140	3.17
7	7	200	3.78
8	7	175	3.17
9	7	140	1.85
10	6	200	2.95
11	6	175	2.63
12	6	140	1.34
13	5	200	3.21
14	5	175	2.37
15	5	140	2.20
16	4	200	4.07
17	4	175	2.59
18	4	140	2.44
19	3	200	3.89
20	3	175	2.48
21	3	140	2.62
22	2	200	3.64
23	2	175	2.87
24	2	140	2.30

INSTALLATION ADVICE

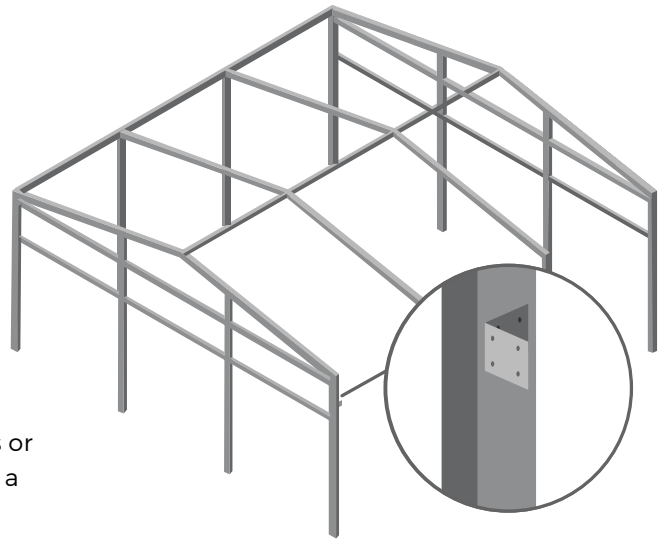
CLEATS

Determine Cleat Placement: Identify the required spacing between cleats based on the structural design and load-bearing needs of the roof or framework.

Mark Fixing Points: Use a measuring tape and chalk line to ensure uniform positioning along the framework. Proper alignment is crucial for a secure installation.

Fix Cleats Securely: Attach cleats to the framework at the marked intervals using appropriate fasteners, such as bolts or screws. Ensure they are level and firmly secured to provide a stable base for the C purlins.

Double-Check Stability: Before proceeding, verify that all cleats are correctly positioned and tightly fixed to prevent movement or misalignment.



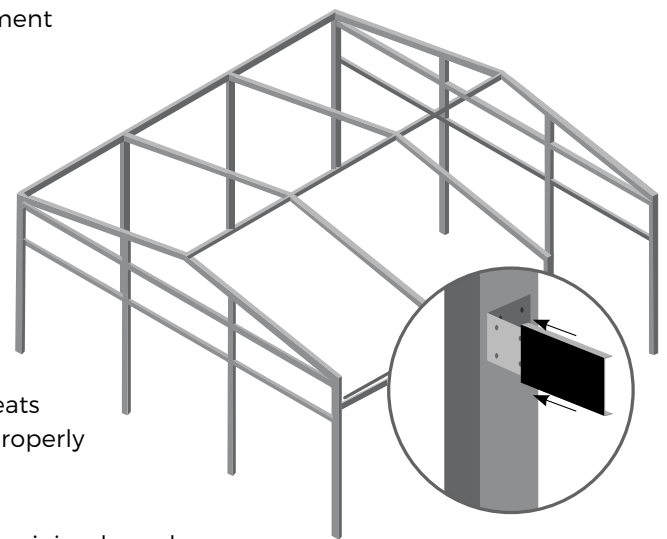
C PURLINS

Positioning the Purlins: Align the C purlins with the installed cleats according to the project's specifications. Orientation and spacing may vary depending on the structural design.

Securing to Cleats: Bolt each C purlin securely onto the cleats using the appropriate fixings. Ensure bolts are tightened properly to provide maximum support.

Connecting Multiple Purlins: If multiple C purlins need to be joined, overlap or butt them together as specified in the design plan. Bolt each joint securely to maintain structural integrity.

Final Inspection: Check alignment and tightness of all fixings. Confirm that the purlins are securely attached and evenly spaced before continuing with further construction steps.



For detailed information about installation, please read our roofing installation guide.

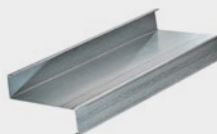
PRODUCT ACCESSORIES



Z PURLINS



CLEATS



PURLIN SLEEVES



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