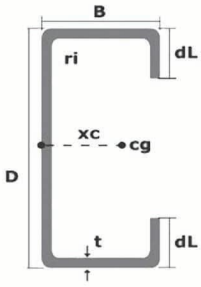
ASTEEL GROUP

C-LIPPED CHANNEL

PROFILE DIMENSION

With the zinc coating and yield strength conforming to JIS G3302/ AS 1397, ASTEEL Galvanised C-Lipped Channel ensure long service life, strong and will not wrap, crack or sag. Commonly use as as support for roofing & wall cladding.



SPECIFICATION

Material Used: Hot Dipped Galvanised Steel
Standaed: JIS G3302 / AS 1397
Available Thickness (mm): 1.0, 1.2, 1.6, 2.0, 2.5
Yield Strength: Min 550 Mpa for thickness 1.0 & 1.2. Min 450 Mpa for thickness 1.6, 2.0, 2.5

Tolerrance	
Height (D)	± 3 mm
Width (B)	± 3 mm
Lips (dL)	± 3 mm
Hole Centre	± 2 mm
Thickness	± 0.05 mm
Purlin Length	± 5 mm

Zinc Coating Mass	
200 g/mm²	275 g/mm²
1.00 mm	1.60 mm
1.20 mm	2.00 mm
-	2.50 mm

DESIGN FLEXIBILITY

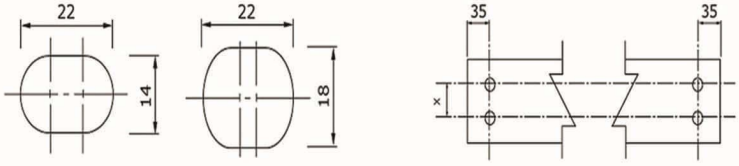
TERMITE PROOF

DURABILITY

ASTEEL GROUP PRODUCT

PROFILE DIMENSION

There are 2 types of elongated hole for customer selection.
Recommendation of hole type shall refer to your requirement.



Standard Hole - To- Hole Distance	
Purlin size	Hole- To- Hole Distance, x (mm)
C75	-
C100	40
C125	50
C150	60
C200	110
C250	160

STORAGE

Section Code	Mass kg/m	D mm	B mm	dL mm	t mm	ri mm	A mm^2	Ixx mm^4	Iyy mm^4	J mm^4	rx mm	ry mm	xc mm	r mm	u mm	c mm	I'c mm^3	bf mm	bw mm	bl mm
YC7510	1.280	75	45	15	1.0	2.5	186	172898	56154	62	30.5	17.4	17.2	3.0	4.7	1.9	4.02	38	68	12
YC7512	1.742	75	45	15	1.2	2.5	222	205488	66351	107	30.4	17.3	17.2	3.1	4.93	2.0	4.44	37.6	67.6	11.3
YC7516	2.298	75	45	15	1.6	2.5	293	267821	85684	249	30.2	17.1	17.2	3.3	5.1	2.1	5.11	36.8	66.8	10.9
YC7520	2.842	75	45	15	2.0	2.5	362	327175	103692	482	30.1	16.9	17.2	3.5	5.5	2.2	6.39	36.0	66.0	10.5
100C10	1.657	100	50	17	1.0	2.5	225	364567	83978	75	40.3	19.3	17.8	3.0	4.7	1.9	4.02	38	93	12
100C12	2.112	100	50	17	1.2	2.5	269	433530	99376	129	40.2	19.2	17.8	3.1	4.9	2.0	4.44	42.6	92.6	13
100C16	2.722	100	50	17	1.6	2.5	334	534550	121627	250	40.0	19.1	17.8	3.3	5.1	2.1	5.11	42	92	13
100C20	3.406	100	50	17	2.0	2.5	440	696533	156505	587	39.8	18.9	17.8	3.5	5.5	2.2	6.39	41	91	13
100C25	4.250	100	50	17	2.5	2.5	544	850663	188700	1133	39.5	18.6	17.8	3.8	5.9	2.4	7.86	40	90	12
125C16	3.062	125	50	17	1.6	2.5	395.5	955946	131235	337.5	49.1	18.8	15.4	3.3	5.19	2.11	5.35	41.8	116.8	13
125C20	2.760	125	50	17	2	2.5	492	1178730	156244	656	48.9	18.6	15.3	3.5	5.5	2.23	6.38	41	116	13
125C25	4.60	125	50	17	2.5	2.5	607.2	1442622	212010	1265	48.7	18.4	14.9	3.8	5.97	2.42	8.17	40	115	12
150C16	3.769	150	65	20	1.6	2.5	463	1654618	278689	347	59.8	24.5	21.2	3.3	5.1	2.1	5.11	57	142	16
150C20	4.723	150	65	20	2.0	2.5	612	2170486	361567	816	59.6	24.3	21.2	3.5	5.5	2.2	6.39	56	141	16
150C25	5.904	150	65	20	2.5	2.5	759	2668890	439639	1581	59.3	24.1	21.2	3.8	5.9	2.4	7.86	55	140	15
175C16	4.388	175	75	20	1.6	2.5	565.1	2760645	418575	482.2	69.9	27.9	22.7	3.3	5.19	2.11	5.35	66.8	166.8	16
175C20	5.421	175	75	20	2	2.5	704	3418711	505563	938.7	69.7	27.6	22.7	3.5	5.5	2.23	6.38	66	166	16
175C25	6.677	175	75	20	2.5	2.5	872.2	4210194	432074	1817.1	69.4	27.4	22.3	3.8	5.97	2.42	8.17	65	165	15
200C16	4.621	200	75	20	1.6	2.5	568	3530859	430664	426	78.9	27.5	22.0	3.3	5.1	2.1	5.11	67	192	16
200C20	5.794	200	75	20	2.0	2.5	752	4646044	560488	1003	78.6	27.3	22.0	3.5	5.5	2.2	6.39	66	191	16
200C25	7.194	200	75	20	2.5	2.5	934	5730839	683688	1946	78.3	27.1	22.0	3.8	5.9	2.4	7.86	65	190	15
250C16	5.472	250	85	20	1.6	2.5	673	6414369	623784	504	97.7	30.5	22.9	3.3	5.1	2.1	5.11	77	242	16
250C20	6.866	250	85	20	2.0	2.5	892	8457552	813771	1189	97.4	30.2	23.0	3.5	5.5	2.2	6.39	76	241	16
250C25	8.596	250	85	20	2.5	2.5	1109	10453881	995068	2310	97.1	30.0	23.0	3.8	5.9	2.4	7.86	75	240	15

STORAGE

Galvanised C-Lipped Channel should be kept under shed or wrapped under plastic sheets well ventilated and clear from ground to avoid moisture contact. Always keep the Galvanised C-Lipped Channel at a slanting angle to let water run off. Do not get in contact with chemicals, dirt, oil based liquids and corrosive vapours.

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