

COLD FORMED SECTIONS

Macsteel Roofing has acquired the latest technology for the production of cold formed sections for use in the construction industry. The fully automatic system not only allows for faster delivery, but in addition also offers a punching facility for standard and elongated holes. Sections are available with either a Z275 pre-galvanized coating, hot dip galvanized or primer coating.

LIPPED ANGLE

mm	kg/m	m/t	APPROX.SPAN (m)	mm	kg/m	m/t	APPROX.SPAN (m)
75x50x20x2.5	2.0 2.400 3.0	417 340 289	2.6 2.8 2.9	100x75x20x2.5	2.0 3.190 4.640	313 254 216	3.4 3.6 3.8

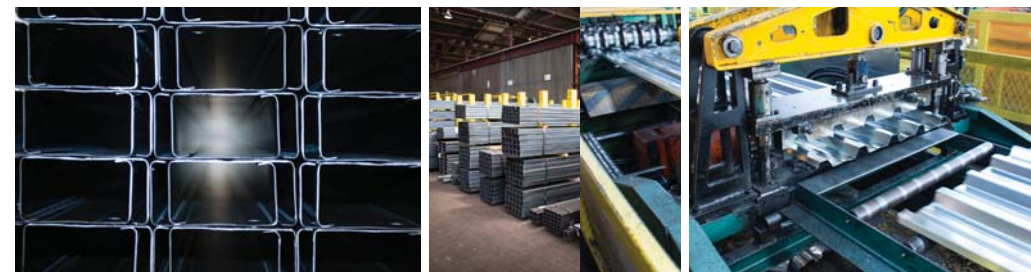
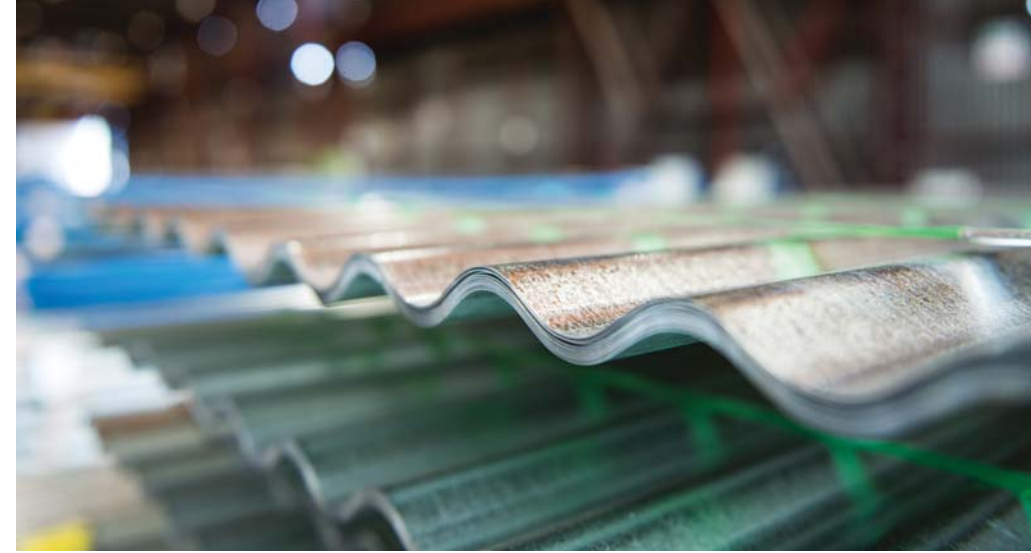
LIPPED CHANNELS * ZEDS

mm	kg/m	m/t	APPROX.SPAN (m)	mm	kg/m	m/t	APPROX.SPAN (m)
75x50x20x2.5	2.0 3.830 4.500	321 261 222	3.0 3.2 3.4	200x65x20x2.5	2.0 5.530 8.100	181 146 123	6.7 7.2 7.6
100x50x20x2.5	2.0 4.320 5.090	284 231 196	3.7 4.0 4.2	200x75x20x2.5	2.0 5.870 8.620	170 138 116	6.9 7.4 7.8
100x75x20x2.5	2.0 5.300 6.260	233 189 160	4.1 4.4 4.6	225x50x20x2.5	2.0 5.480 8.030	182 148 125	7.1 7.5 8.0
125x50x20x2.5	2.0 4.810 5.680	256 208 176	4.2 4.4 4.8	225x65x20x2.5	2.0 5.920 8.690	169 137 115	7.4 7.9 8.3
125x65x20x2.5	2.0 5.360 6.330	230 187 158	4.7 5.0 5.3	225x75x20x2.5	2.0 6.260 9.210	160 129 109	7.6 8.1 8.5
125x75x20x2.5	2.0 5.790 6.850	213 173 146	4.8 5.2 5.5	250x50x20x2.5	2.0 5.870 8.620	170 138 116	7.7 8.2 8.6
150x50x20x2.5	2.0 5.300 6.260	233 189 160	5.1 5.5 5.8	250x65x20x2.5	2.0 6.310 9.280	158 128 108	8.3 8.6 9.3
150x65x20x2.5	2.0 5.850 6.920	211 171 145	5.4 5.8 6.1	250x75x20x2.5	2.0 6.660 9.800	150 121 102	8.6 9.2 9.6
150x75x20x2.5	2.0 6.280 7.440	196 159 134	5.6 5.9 6.3	300x50x20x2.5	2.0 6.660 9.800	150 121 102	8.9 9.5 10.0
175x50x20x2.5	2.0 5.790 6.850	213 173 146	6.1 6.4 6.8	300x65x20x2.5	2.0 7.130 10.500	140 113 95	9.2 9.9 10.4
175x65x20x2.5	2.0 6.340 7.510	195 158 133	6.1 6.5 6.8	300x75x20x2.5	2.0 7.440 10.970	134 108 91	9.5 10.1 10.7
175x75x20x2.5	2.0 6.770 8.030	182 148 125	6.3 6.7 7.0				
200x50x20x2.5	2.0 6.280 7.440	196 159 134	6.4 6.9 7.2				

NOTES:

- All sections rolled from commercial quality steel
- Other grades on request
- The span values shown are to be used as a guide only
- We also offer a range of top hats and zed sections

MINIMUM LENGTH: 2.1m



PRE-PAINTED COLOUR RANGE

Our various profiles are available in the following colours, branded at regular intervals - your guarantee that you are receiving the genuine product backed by the popular mills.

COLORPLUS®

- Sea Spray
- Chalk
- Savannah
- Desert Sand
- Sunset Red
- Ruby Red
- Rustic Bark
- Rain Forest
- Jade Green
- Deep Ocean
- Rain Cloud
- Slate
- Thunderstorm
- Frost White
- Pine Green

CHROMADEK®

- Fish Eagle White
- White Lion
- Sandstone Beige
- Gemsbok Sand
- Kalahari Red
- Buffalo Brown
- Aloe Green
- Traffic Green
- Umhlanga Wave
- Kingfisher Blue
- Azure Blue
- Dove Grey
- Dark Dolphin
- Charcoal Grey
- Ultim*

COLORBOND®

- African White
- Cape White
- Colonial Green
- African Blue
- Armour Grey
- Volcanic Grey
- Cape Charcoal

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MACSTEEL ROOFING



Product Catalogue 2016



ROOFING



ROOFING



BULLNOSING AND CRANKING

CLASSIDEK	Gauge (TCT) mm	Grade Mpa	Mass		ROOF			SIDE		
			kg/m	kg/m ²	Single Span	Double Span	Overhang	Single Span	Double Span	Overhang
	0.30	550	2.15	2.82	Not recommended for roofing application			Not recommended for industrial application		
	0.40	550	2.90	3.81	ditto	750	150	ditto	900	200
	0.47	550	3.41	4.48	750	900	150	950	1000	200
	0.50	550	3.63	4.76	800	1000	150	1000	1200	200
	0.53	550	3.85	5.05	850	1100	150	1100	1300	250
	0.58	300	4.21	5.53	900	1200	200	1200	1450	250
	0.80	230	5.81	7.62	1100	1400	250	1350	1550	300

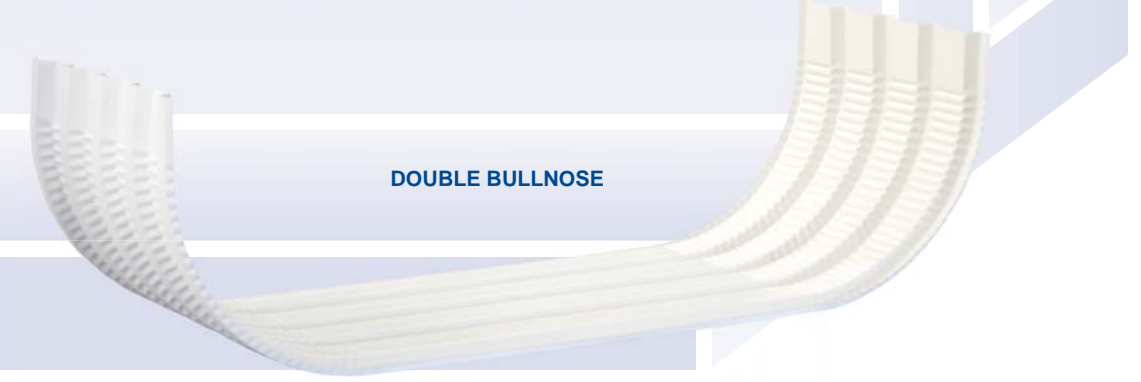
CORRUGATED	Gauge (TCT) mm	Grade Mpa	Mass		ROOF			SIDE		
			kg/m	kg/m ²	Single Span	Double Span	Overhang	Single Span	Double Span	Overhang
	0.27	550	1.62	2.65	Not recommended for roofing application			Not recommended for industrial application		
	0.30	550	1.79	2.94	ditto			ditto	750	200

REVERSE BULLNOSE



STANDARD BULLNOSE

FLEKSPAN (IBR)	Gauge (TCT) mm	Grade Mpa	Mass		ROOF			SIDE		
			kg/m	kg/m ²	Single Span	Double Span	Overhang	Single Span	Double Span	Overhang
	0.30	550	2.15	3.13	Not recommended for roofing application			Not recommended for industrial application		
	0.40	550	2.90	4.23	1190	1370	250	1400	1600	300
	0.47	550	3.41	4.97	1550	1750	285	1710	1950	300
	0.50	550	3.63	5.29	1650	1900	300	1820	2100	350
	0.53	550	3.85	5.61	1750	2000	300	1900	2200	350
	0.58	300	4.21	6.14	1850	2100	350	1950	2300	400
	0.80	230	5.81	8.47	2200	2600	400	2400	2850	500



DOUBLE BULLNOSE

WIDESPAN	Gauge (TCT) mm	Grade Mpa	Mass		ROOF			SIDE		
			kg/m	kg/m ²	Single Span	Double Span	Overhang	Single Span	Double Span	Overhang
	0.40	550	2.90	3.81	950	1150	200	1100	1250	250
	4.47	550	3.41	4.48	1200	1400	200	1400	1650	250
	0.50	550	3.63	4.76	1350	1550	200	1500	1750	250
	0.53	550	3.85	5.05	1450	1650	250	1600	1800	250
	0.58	300	4.21	5.53	1500	1700	250	1650	1850	300
	0.80	230	5.81	7.62	1700	2000	350	1850	2200	400



CENTRE CRANK

NOTES:

FULL RANGE OF MATERIAL COATINGS

- 0.27mm and 0.30mm thick available with a Z100 galvanized coating only
- 0.40mm thick available with a Z150 galvanized coating only
- 0.47mm thick available with a Z150 and 0.50mm thick available with a Z275 galvanized coating
- 0.53mm to 0.80mm thick available with a Z275 galvanized coating only
- 0.47mm to 0.80mm thick available with a Chromadek® finish on a Z200 sub-strate

SPAN TABLES FOR ROOFING PRODUCTS

The values stated in the tables comply with the requirements of SABS 0160-1989 and SABS 0237-1999 as amended. These values have been computed on the assumption that the materials will be fixed, in accordance with our specification, to a structure with the following characteristics:

- Roof slope between 5° - 20°
- Overall height not exceeding 15m
- All sides equally permeable
- Rectangular in plan (ration long to short side not greater than 4:1)
- Ration of height to least width not exceeding 4:1
- Located in terrain with numerous closely spaced obstructions (terrain category 3)

- Other configurations on request
- Minimum radius: 450mm
- Maximum run-out on leg: 2000mm