Rofo®
Roofing For You
Since 2008
PHIM Regis No. 07020229

Think Roof, Think Rofo.
欲しい 屋顶 ， 欲しい Rofo

www.rofo.com.my

NEW

ROFO R & D Team

Another Value Added
Products by Rofo R& D Team

Rofo® Light and Small Section

1. The higher 'Finished Tolerance' afforded by Cold-rolled process helps achieve better 'Squareness', thus ensuring optimum strength of the section such as preserving greater value of Moment of Inertia (Ixx and Iyy). This has been advantage compare to hot-rolled section which may be trapezoidal rather than to be a square section.
2. Embossment on the Web M (Refer Diagram Truss Channel Type T2M) improves the buckling strength by 10% compare to the plain surface with no emboss feature.
3. Indented surface (dotted pattern) at Side W1 and W2 for C stud section for non slitty screwing or fastening surface on the wall panel.
4. SGL 570 Steel Material is used, offering Higher Tensile Strength than G550.
5. Coated with the Best material Gafolume/ Galvalume 55% AZ, thus offering top performance against Corrosion.
6. Wide range of sizes & dimensions (H, W1, W2, L) for variety of metal work solutions with optimal strength/cost ratio.

Our Brand- Rofo® Since 2008

Rofo brand is lead by a group of Professional People conversant in the respective fields. Today, Rofo® Brand is not only wide recognized in Borneo, it is synonymous with **Quality, Excellent Service and Innovation**. Our Quality Products were recognized or represent by the following:

SABAH INDUSTRY EXCELLENCE AWARD 2009

GOLDEN BULL AWARD 2012

WINNER OF THE BEST MANUFACTURER MALAYSIA 2012

THE MEMBER OF MPC MALAYSIA

SIRIM QAS INTERNATIONAL
SQAS Tested Report no. 2009CB1082

In 2013, the Malaysia Productivity Corporation (MPC) invited us to join as the member to study and contribute to enhance the Malaysia Industry Productivity. As the Member, we are very honored for such a strong recognition of Rofo® Brand & Kina Roof. We will continuously serve our valued customers to exceed their expectation & satisfaction of enjoying the use of our products. **Quality, Excellent Service and Innovation is our mantra, We always keep to our heart!**

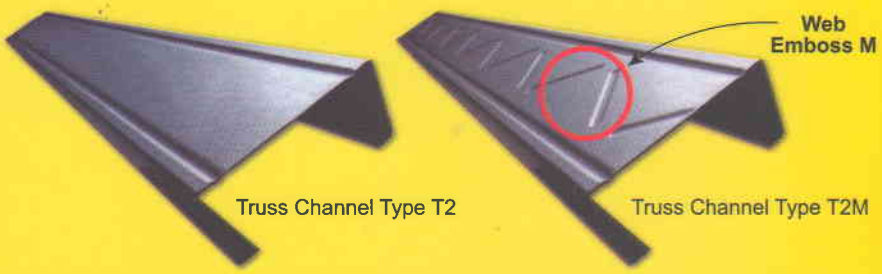
Throughout our continuous effort carried out over the years by our R&D team, we are able to adopt latest Cold Roll Form Technology to meet the various market requirements of light gauge metal section & system. Our policy: *Those don't have, we do it. Those in the market, we improve It. We will pioneer those products that not exist yet. And we will innovate and improve those existing products in the market.*

We continue to boost up our effort and initiative to push for wider usage of our light weight steel system as the wood sources available in the market are getting scarcer day by day.

Light Gauge High Tensile Steel (LGHTS) provides its primary advantages in term of durability, fire and Termite resistance. It is easily joint by the self tapping Screw and standard Bracket or minimal accessories to achieve well structural result.
We have typically 3 type of Light Gauge Steel System: -
1. Light Gauge Truss System
2. Light Gauge Wall Partition System
3. Light Gauge Boxes Up Section.

I. Rofo® Light Gauge Truss Channel (RTC Series) – Type T2 and Type T2M Emboss M Textile

The Rofo® Small Truss Channel is a cold roll formed structural product by AS1365 latest high Speed production line from High Tensile Steel SGL 570 or G550 Genuine Aluminum Zinc Coated (AZ 55% Gafolume) or Zinc Coated material. Based on our R&D's multiple testings & studies, our cold roll formed section can achieve true squareness which is obviously not available in the current market.



The true squareness of the section will increase lipped buckling strength which is the most significant section properties when considering

We provide cut to length and 3 types of pre punch elongation hole service. Since we can achieve 90 degree our Sections are suitable for any high end requirement which need high accuracy in squareness. You may also choose two line(Type T2) at H side to increase the Strength.

Our Advantages:

1. M feature emboss and two line to improve the strength to 5-10% by increasing the surface area.
2. High Precision In achieving 90 ± 2° squareness to preserve best strength and installation alignment. (Diagram 1, 2, 3, 4 Compare our product and the product in the market) which improve at 5% - 10% of strength XY.
3. By total item 1 and 2 above shows the product strength improved up to 10-20%.
4. Truss Channel with more choice range from size of 40mm- 150mm and thickness of 0.48mm -1.2mm to enhance each optimum design.
5. Pre punched elongated hole at H side and both Flange. (W1, W2) (Diagram 5). The hole size is Type 1- 14mm x22mm
6. High Tensile Grade E SGL 570 Grade AZ 55% material for maximum corrosion resistance.
7. Fast delivery Production optimization with 58 meter per minute.
8. Automated Digital Marking System (ADMS) - Durable & Inerasable marking.

OUR PRODUCT

IX = 30106
Iy = 170987
Diagram 1

PRODUCT IN THE MARKET

IX = 30097
Iy = 181629
Diagram 2

IX = 30012
Iy = 182431
Diagram 3

IX = 30190
Iy = 170185
Diagram 4

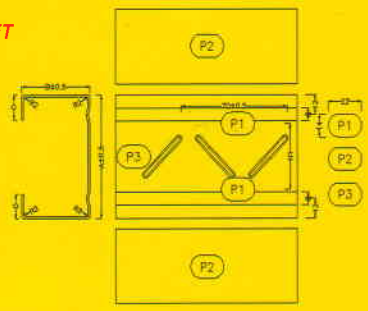
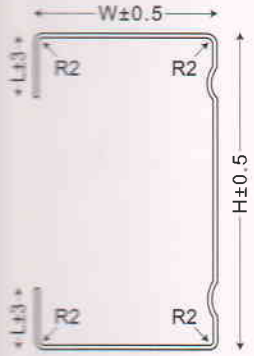


Diagram 5

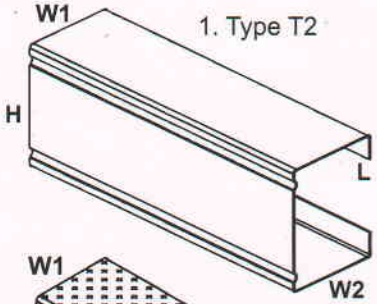
The above diagram show differences Ix

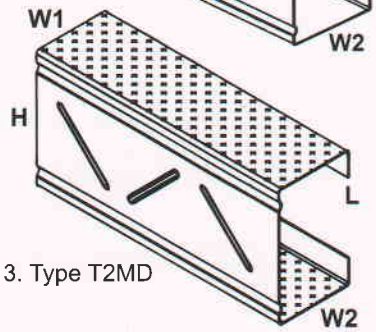
Material Specification:

- Thickness : 0.480mm-1.2mm.
- Base Steel Grade : Grade E G550 MPa or SGL 570
- Zinc Coating Mass : 220 g/m2
- Or AZ 55% Coating Mass : 150 g/m2 or 100g/m2.

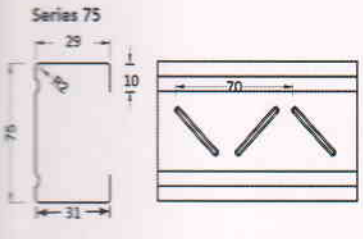


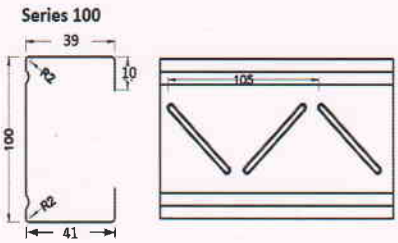
For Easy to boxes up purposes, we may slightly adjust the lip to 8mm from 10mm.

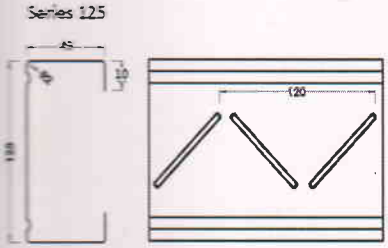


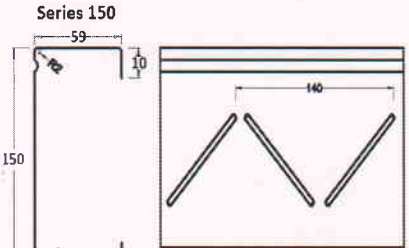


3. Type T2MD









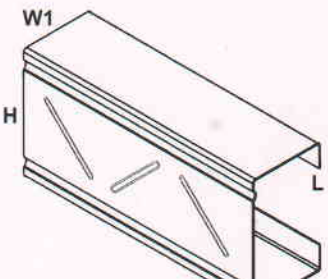
Available Size & Section :

Table 1: Rofo Truss Channel Type T2 (RTCT2)

No	Product Code	Product Dimension (H, W1, W2, L)mm	Thickness (mm)
1	RTCT2 75 060	75 x 29 x 31 x 10	0.60
2	RTCT2 75 075	75 x 29 x 31 x 10	0.75
3	RTCT2 75 10	75 x 29 x 31 x 10	1.00
4	RTCT2 100 75	100 x 39 x 41 x 10	0.75
5	RTCT2 100 10	100 x 39 x 41 x 10	1.00
6	RTCT2 100 12	100 x 39 x 41 x 10	1.20
7	RTCT2 125 75	125 x 49 x 51 x 10	0.75
8	RTCT2 125 10	125 x 49 x 51 x 10	1.00
9	RTCT2 125 12	125 x 49 x 51 x 10	1.20
10	RTCT2 150 75	150 x 59 x 61 x 10	0.75
11	RTCT2 150 10	150 x 59 x 61 x 10	1.00
12	RTCT2 150 12	150 x 59 x 61 x 10	1.20

Table 2: Rofo Truss Channel Type T2M (RTCT2M)

No	Product Code	Product Dimension (H, W1, W2, L)mm	Thickness (mm)
1	RTCT2M 75 060	75 x 29 x 31 x 10	0.60
2	RTCT2M 75 075	75 x 29 x 31 x 10	0.75
3	RTCT2M 75 10	75 x 29 x 31 x 10	1.00
4	RTCT2M 100 75	100 x 39 x 41 x 10	0.75
5	RTCT2M 100 10	100 x 39 x 41 x 10	1.00
6	RTCT2M 100 12	100 x 39 x 41 x 10	1.20
7	RTCT2M 125 75	125 x 49 x 51 x 10	0.75
8	RTCT2M 125 10	125 x 49 x 51 x 10	1.00
9	RTCT2M 125 12	125 x 49 x 51 x 10	1.20
10	RTCT2M 150 75	150 x 59 x 61 x 10	0.75
11	RTCT2M 150 10	150 x 59 x 61 x 10	1.00
12	RTCT2M 150 12	150 x 59 x 61 x 10	1.20



Available

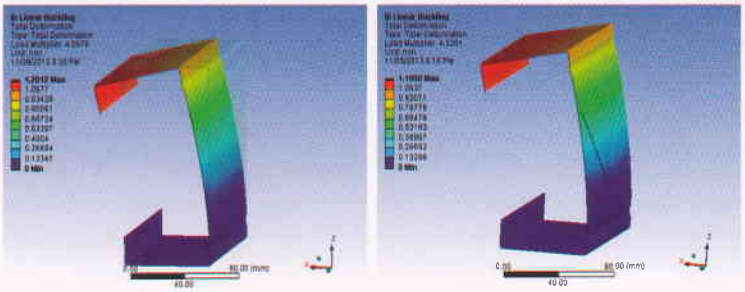
1. Thickness:

0.60mm, 0.75mm, 1.00mm & 1.20mm.

2. Sizes

Apart from the above truss channel sizes, we are also able to produce custom made for any dimension of H, W & L but subjected to our material width availability and quantity.

Example: 100x37x12, 125x45x12, 150x50x12, 150x65x20…



Powerful Finite Element Analysis has proven that the embossment feature provides an approximate 10% increase in linear buckling strength compared to the plain section.

Identification

All our manufactured section can be identified by imprinting of our Registered Trademark Rofo. Rofo is the mark for recognition and Quality.

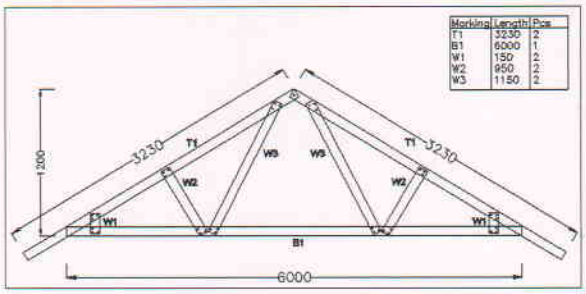
Photo Show that imprint Rofo Trademark for identification.

Marking for Truss System

We introduce the Auto Digital marking system to improve Truss System member marking by

1. Systematic marking system indicating size, section member, Truss name and Date of production.
2. It is inerasable, so no loss of the marking on the member. The installer just need to identify & determine the member location to marked truss ID number.

Our Production Machine is the latest of its kind in the industry and is the only one in market strictly in accordance to AS1365 to ensure high precision, squareness and accuracy.



Truss Design Diagram Show the label System