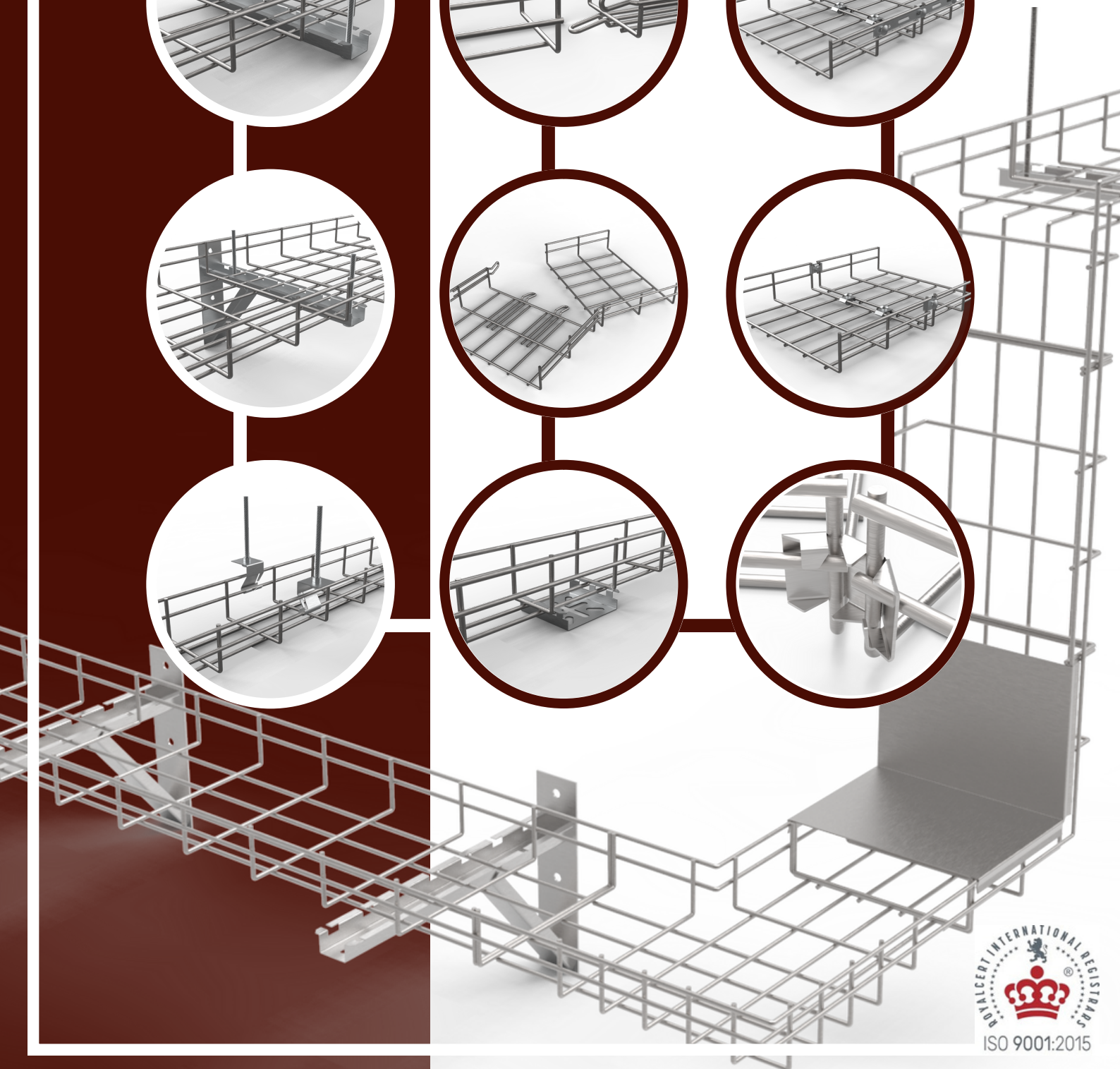
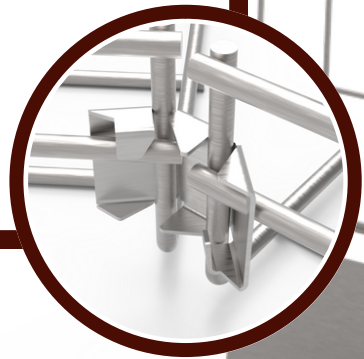
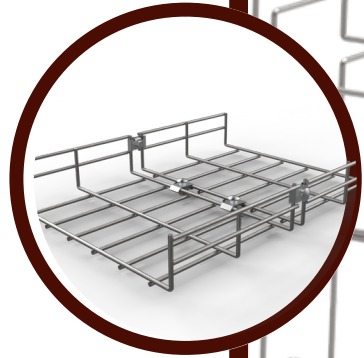
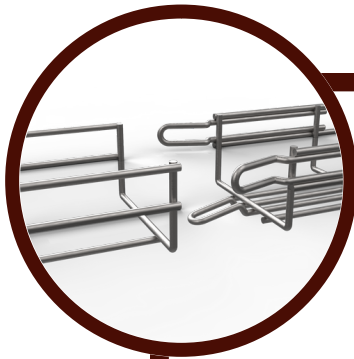
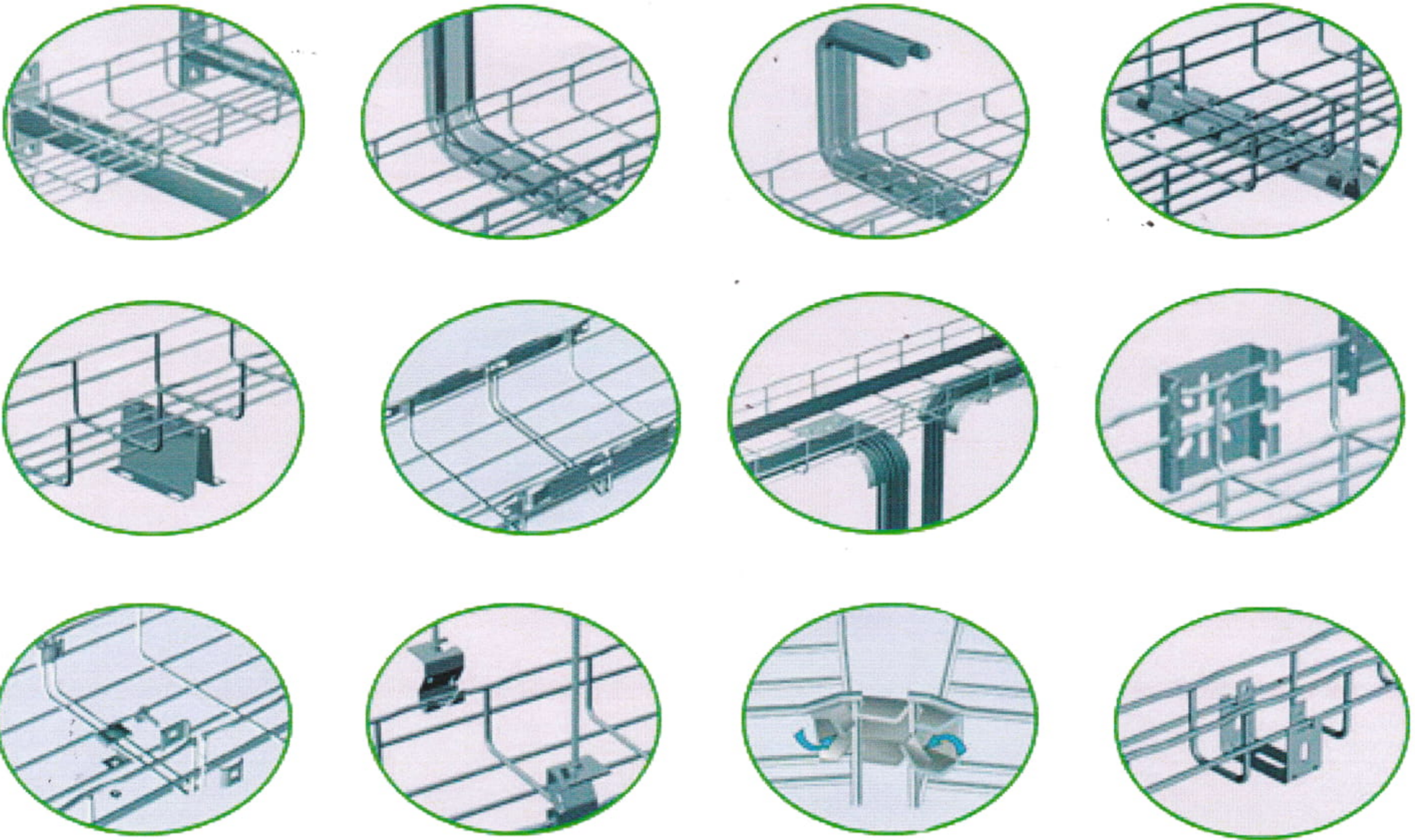




**INDOCHINA**  
ENGINEERING SYSTEM KEYLAI

# CABLE BASKET





## WIRE MESH CABLE TRAY

### Materials:

Carbon Steel  
SS304, SS316 & SS316L EN 10088-2.

### Surface Finish:

Electro zinc plated – for indoor use to BS EN 12329-2000, 12microns thick.  
Powder coated - for indoor use to JG/T3045-1998, between 60 and 100 microns thick  
Hot Dipped Galvanized – for outdoor use to BS-EN 1461-1999, between 60 and 80 microns thick  
Acid Washed or Electrolytic Polished – for stainless steel products

### Dimensions: (Available for customized)

Cable Tray dimensions are all internal. Wire Mesh Cable Trays are constructed with a 50mm x 100mm or 50mm x 50mm mesh configuration.

**Depth** of 25mm, 50mm, 75mm, 100mm, 125 & 150mm. **Widths:** 50~900mm.

**Length** of 2997 fit max loading capacity in 40'ft containers. **Diameters** of wires are 3.5~ 6.0mm

### Installation Notice:

Bends, Risers, T Junctions, Crosses and Reducers can be flexibly made from straight wire mesh cable tray sections in projects.

Trays shall be supported at a maximum span of 2.5m by trapeze, wall, floor or channel mounting and should not exceed the product's specified maximum loading capacity.

Wire Mesh Cable Tray systems can be safely employed between the temperature of -40°C and +150°C without any change in function or appearance

### Application:

Wire Mesh Cable Trays are mainly used for the short span support of low voltage, telecommunication, and fiber optic cables.

### Features & Advantages of Our Cable Trays:

All sharp ends are cut off to protect cables. Weight loading capacity is 27% stronger than traditional cable trays and cable ladders.

## M50 Series Wire Mesh Cable Tray (Height=50mm)

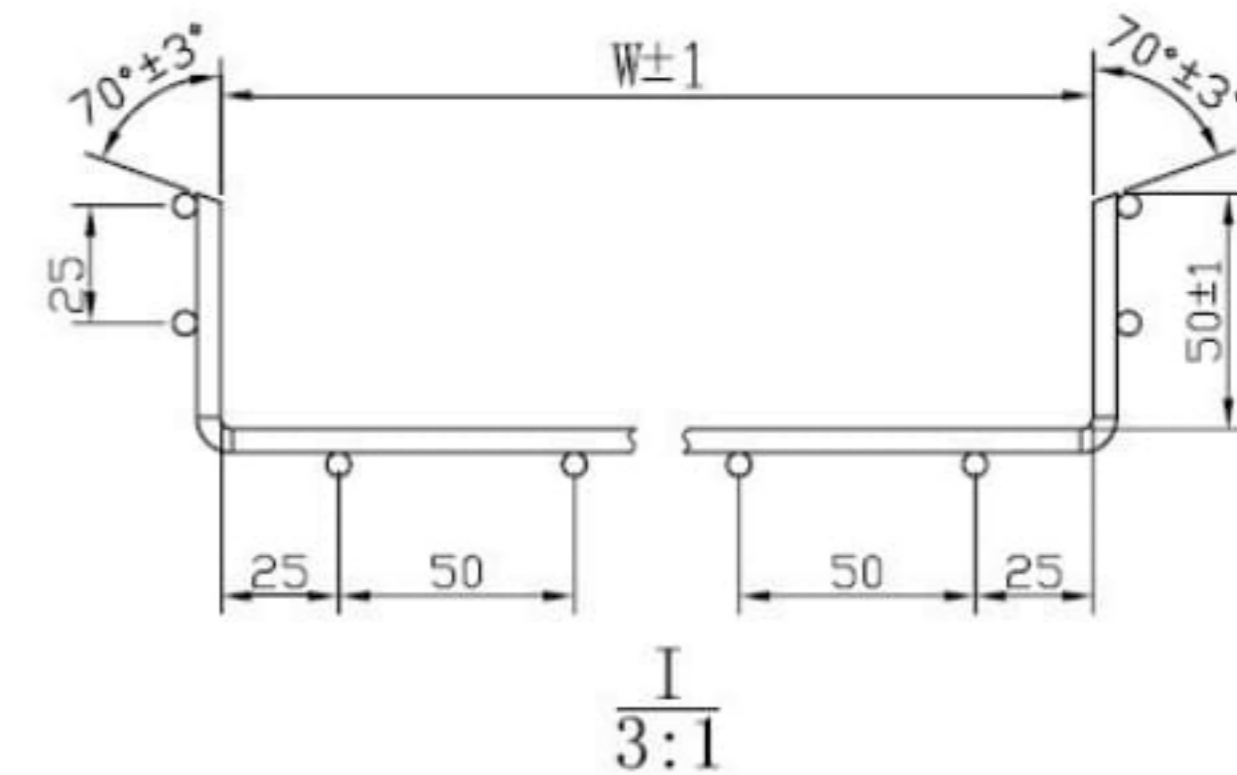
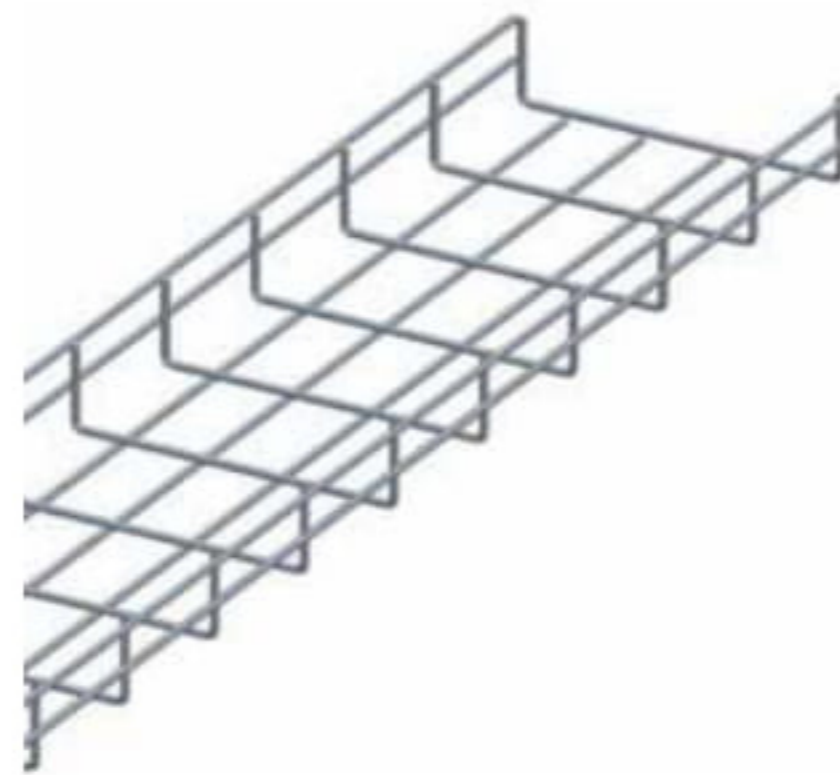
Depth: 25mm, 50mm, 75mm, 100mm, 125 & 150mm etc. Widths: 50~900mm. Wire Diameter: 3.5~6mm. Customized dimensions available.

Please add EZ, HDG, PC, SS304, SS316, SS316L behind item names when placing orders. (EZ stand for Electro Zinc Plated, HDG stand for Hot Dipped Galvanized, PC stand for Powder Coated)

Example: M50-1 00-3000-5—SS316 stands for 316 stainless steel cable mesh tray with height 50, width 100, length 3000 and wire diameter 5mm.

Width		Wire Count
Inch	mm	
2	50	
4	100	
6	150	
8	200	
12	300	
16	400	
18	450	
20	500	
24	600	

Item Names	Height		Width		Length	Diameter	Weight
	MM	INCH	MM	INCH			
M50-50-3000-5-__	50	2	50	2	3000	4.7	3.14
M50-100-3000-5-__	50	2	100	4	3000	4.7	3.84
M50-150-3000-5-__	50	2	150	6	3000	4.7	4.54
M50-200-3000-5-__	50	2	200	8	3000	4.7	5.25
M50-300-3000-5-__	50	2	300	12	3000	4.7	6.65
M50-400-3000-5-__	50	2	400	16	3000	4.7	8.06
M50-450-3000-5-__	50	2	450	18	3000	4.7	8.76
M50-500-3000-5-__	50	2	500	20	3000	4.7	9.47
M50-600-3000-5-__	50	2	600	24	3000	4.7	10.88



## M75 Series Wire Mesh Cable Tray (Height=75mm)

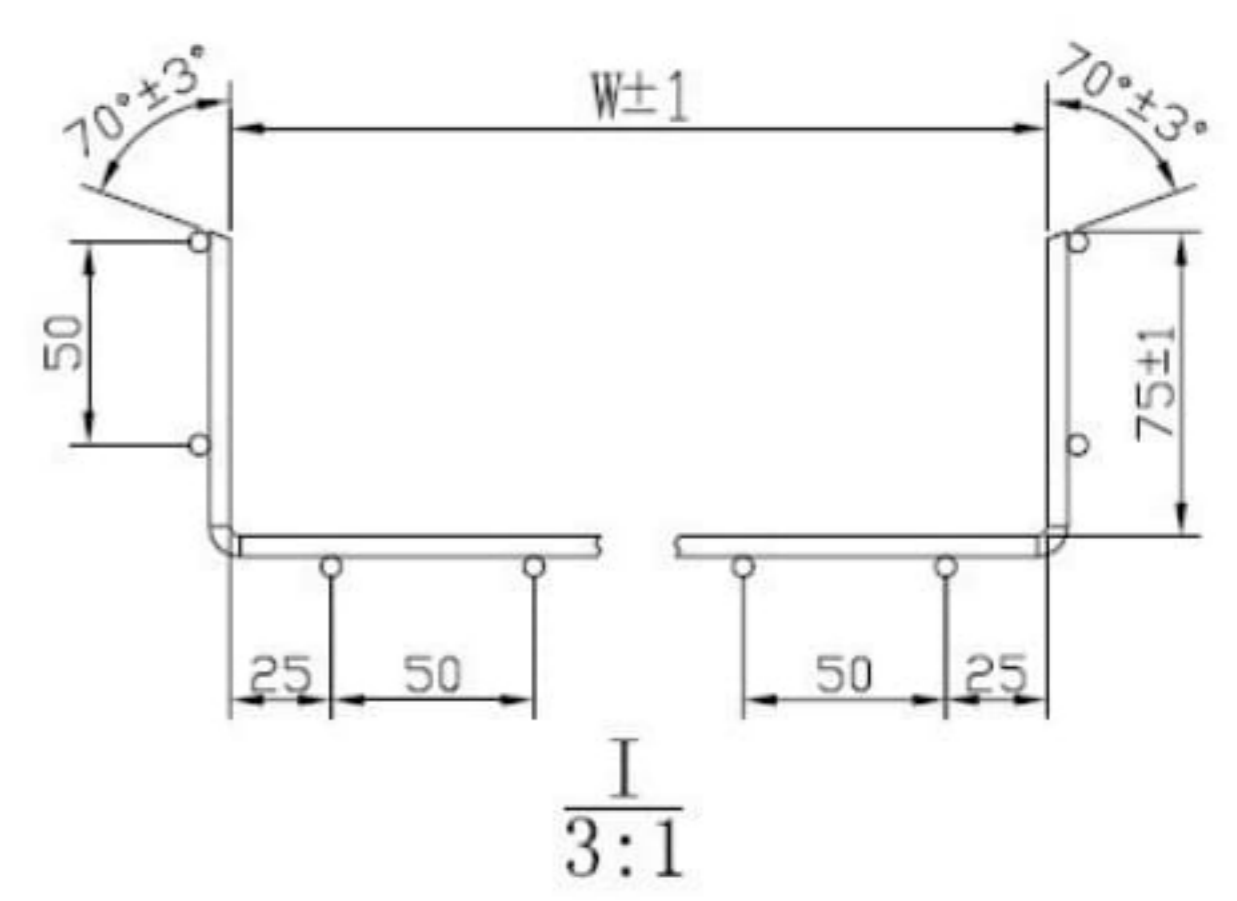
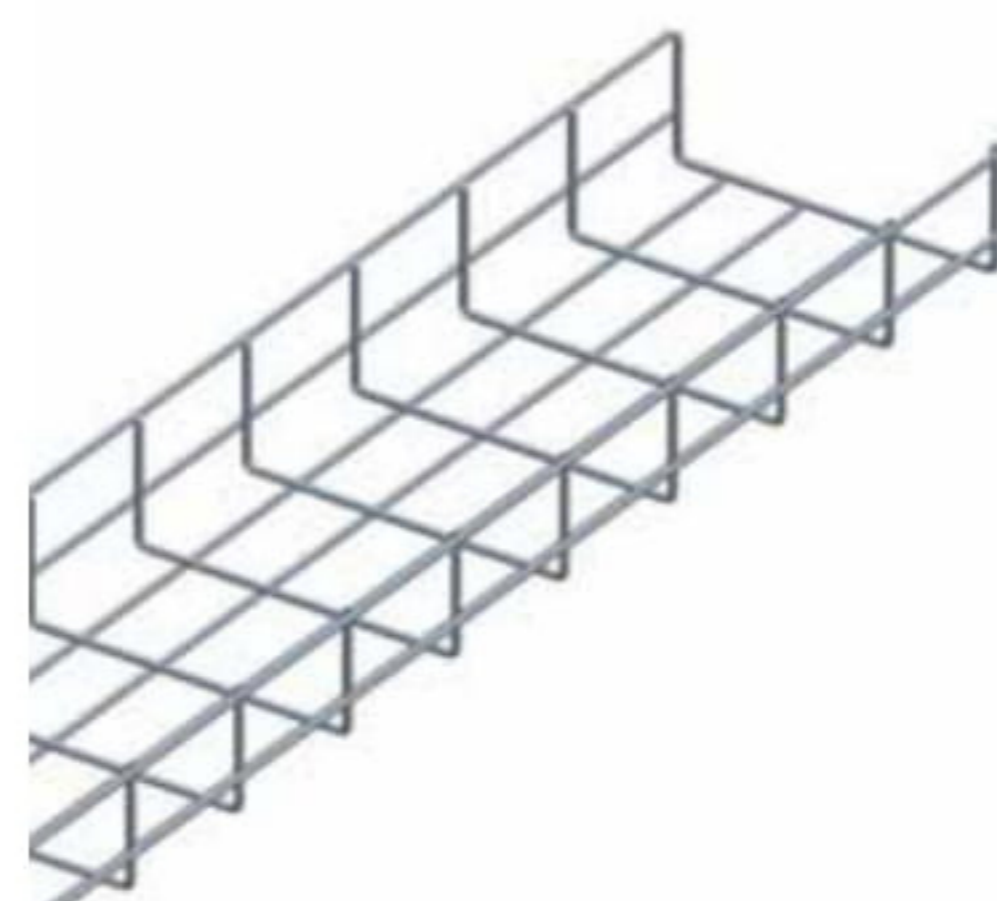
Depth: 25mm, 50mm, 75mm, 100mm, 125 & 150mm etc. Widths: 50~900mm. Wire Diameter: 3.5~6mm. Customized dimensions available.

Please add EZ, HDG, PC, SS304, SS316, SS316L behind item names when placing orders. (EZ stand for Electro Zinc Plated, HDG stand for Hot Dipped Galvanized, PC stand for Powder Coated)

Example: M75-1 00-3000-5—SS316 stands for 316 stainless steel cable mesh tray with height 75, width 100, length 3000 and wire diameter 5mm.

Width		Wire Count
Inch	mm	
2	50	N/A
4	100	
6	150	
8	200	
12	300	
16	400	
18	450	
20	500	
24	600	

Item Names	Height		Width		Length	Diameter	Weight
	MM	INCH	MM	INCH			
M75-100-3000-5-__	75	3	100	4	3000	4.7	4.47
M75-150-3000-5-__	75	3	150	6	3000	4.7	5.17
M75-200-3000-5-__	75	3	200	8	3000	4.7	6.57
M75-300-3000-5-__	75	3	300	12	3000	4.7	7.97
M75-400-3000-5-__	75	3	400	16	3000	4.7	8.67
M75-450-3000-5-__	75	3	450	18	3000	4.7	9.37
M75-500-3000-5-__	75	3	500	20	3000	4.7	10.78
M75-600-3000-5-__	75	3	600	24	3000	4.7	12.08











## M100 Series Wire Mesh Cable Tray (Height=100mm)

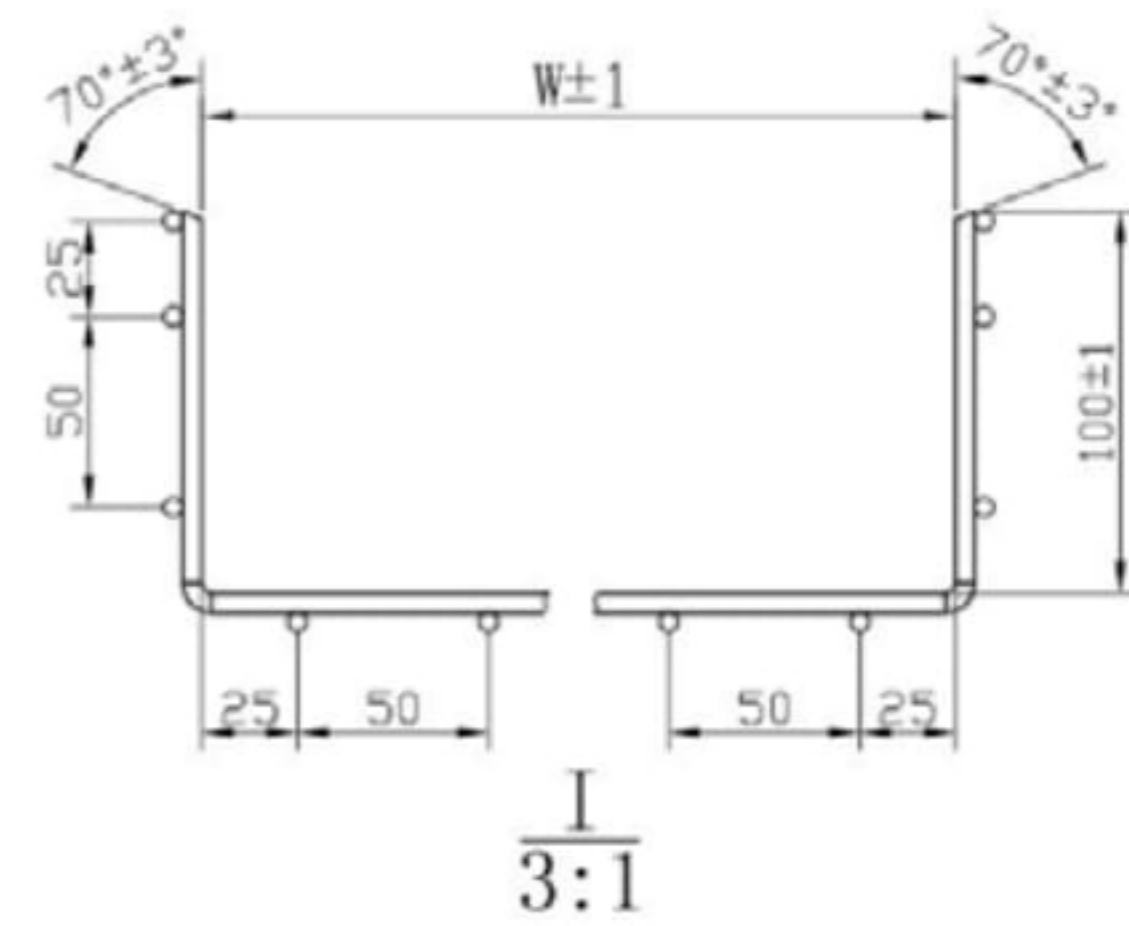
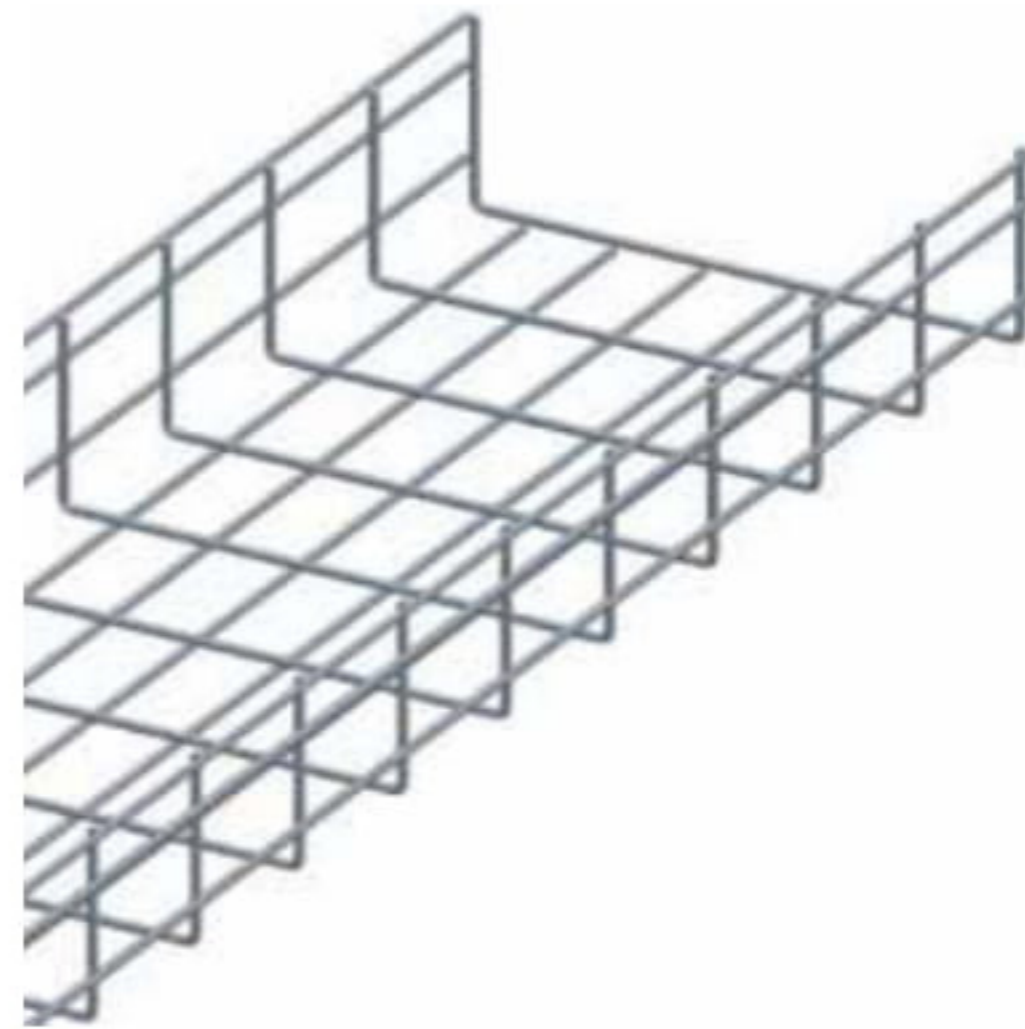
Depth: 25mm, 50mm, 75mm, 100mm, 125 & 150mm etc. Widths: 50~900mm. Wire Diameter: 3.5~6mm. Customized dimensions available.

Please add EZ, HDG, PC, SS304, SS316, SS316L behind item names when placing orders. (EZ stand for Electro Zinc Plated, HDG stand for Hot Dipped Galvanized, PC stand for Powder Coated)

Example: M100- 100-3000-5—SS316 stands for 316 stainless steel cable mesh tray with height 100, width 100, length 3000 and wire diameter 5mm.

Width		Wire Count
Inch	mm	
2	50	N/A
4	100	
6	150	
8	200	
12	300	
16	400	
18	450	
20	500	
24	600	

Item Names	Height		Width		Length	Diameter	Weight
	MM	INCH	MM	INCH			
M100-100-3000-5-__	100	4	100	4	3000	4.7	5.25
M100-150-3000-5-__	100	4	150	6	3000	4.7	5.95
M100-200-3000-5-__	100	4	200	8	3000	4.7	6.65
M100-300-3000-5-__	100	4	300	12	3000	4.7	8.06
M100-400-3000-5-__	100	4	400	16	3000	4.7	9.47
M100-450-3000-5-__	100	4	450	18	3000	4.7	10.17
M100-500-3000-5-__	100	4	500	20	3000	4.7	10.88
M100-600-3000-5-__	100	4	600	24	3000	4.7	12.28










## M150 Series Wire Mesh Cable Tray (Height=150mm)

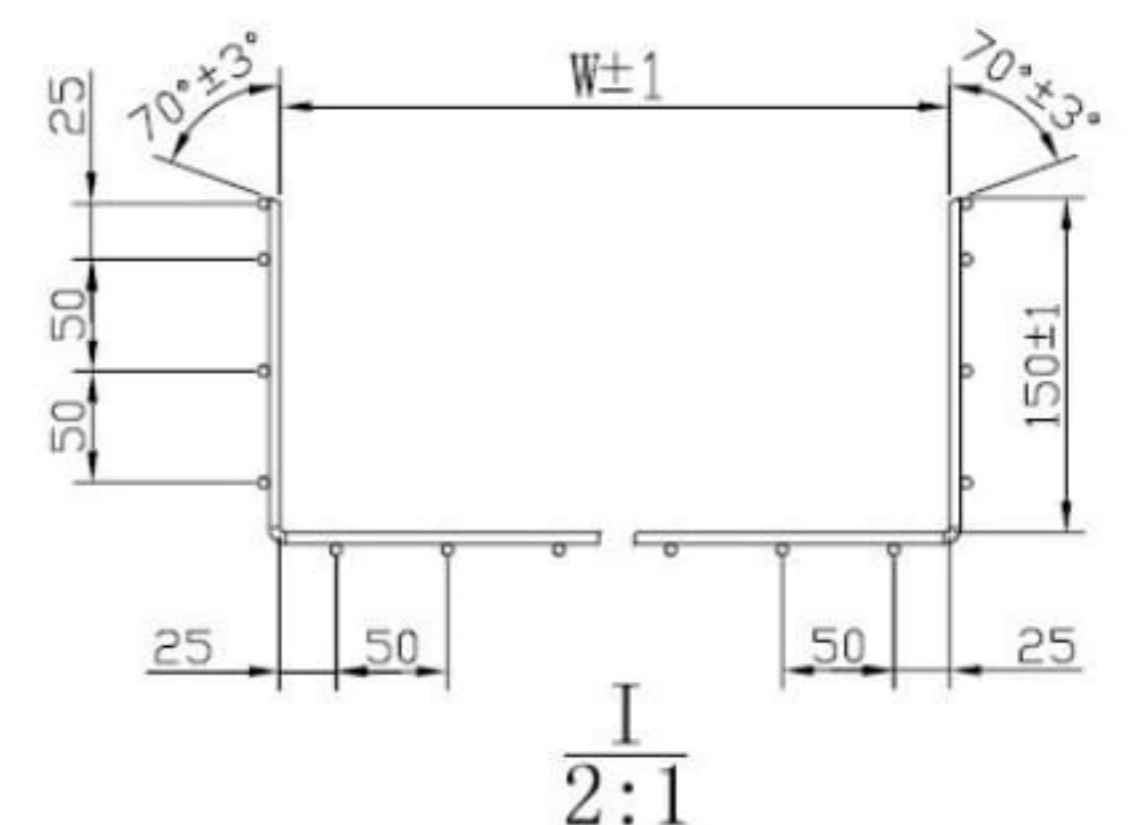
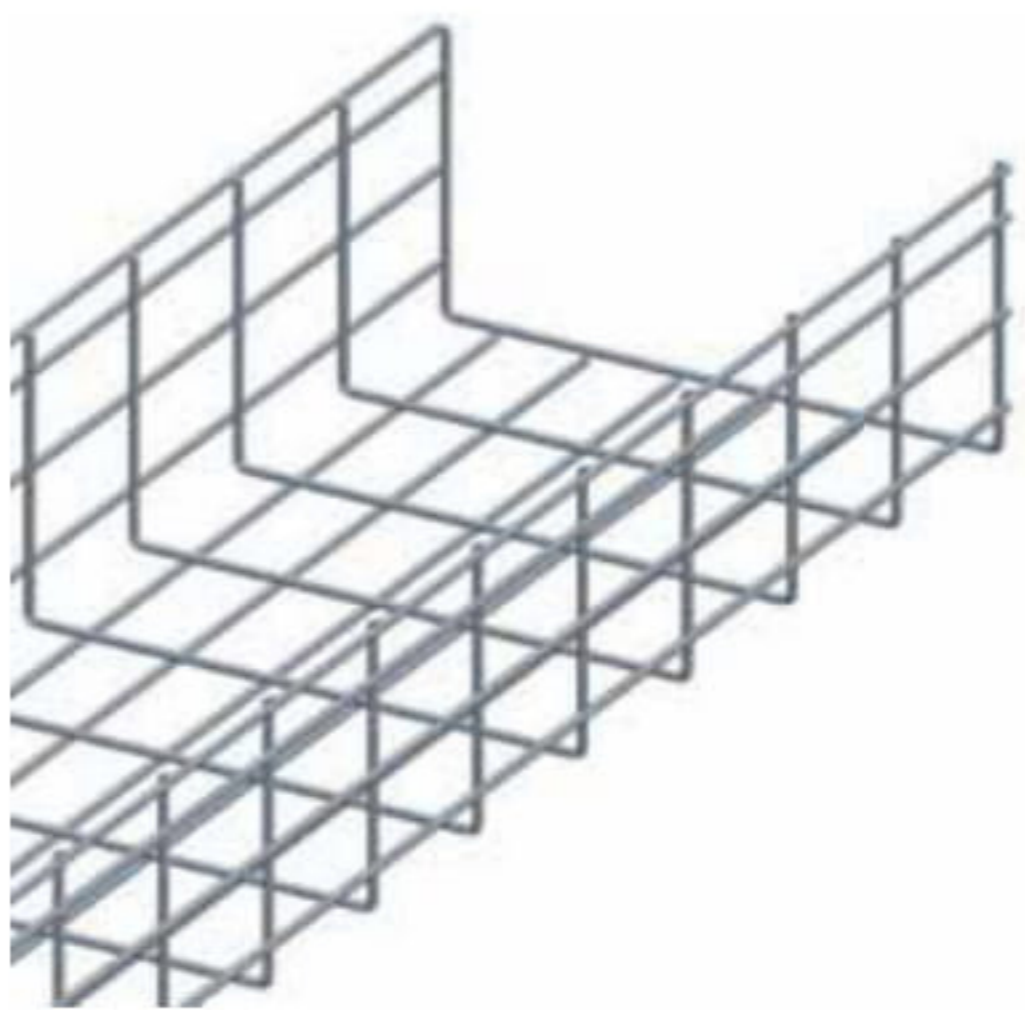
Depth: 25mm, 50mm, 75mm, 100mm, 125 & 150mm etc. Widths: 50~900mm. Wire Diameter: 3.5~6mm. Customized dimensions available.


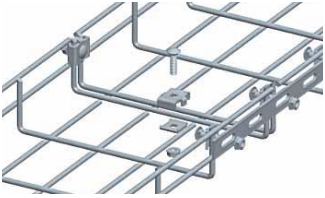


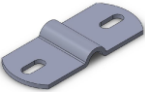
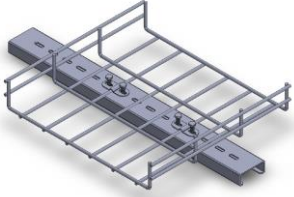



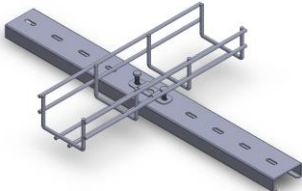
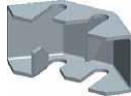


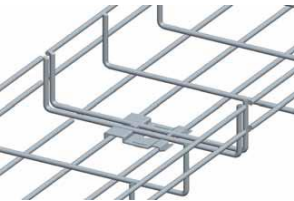
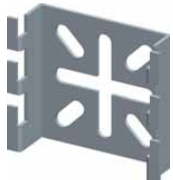
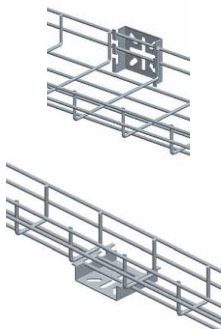
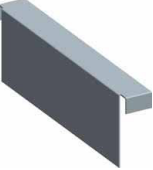


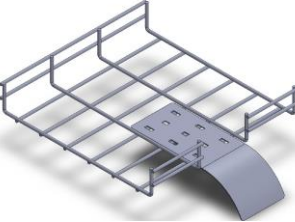
Please add EZ, HDG, PC, SS304, SS316, SS316L behind item names when placing orders. (EZ stand for Electro Zinc Plated, HDG stand for Hot Dipped Galvanized, PC stand for Powder Coated)






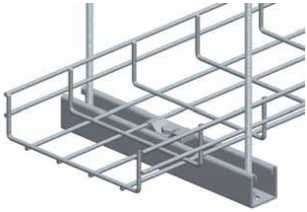

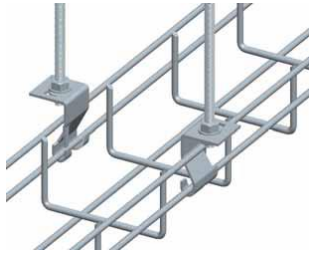



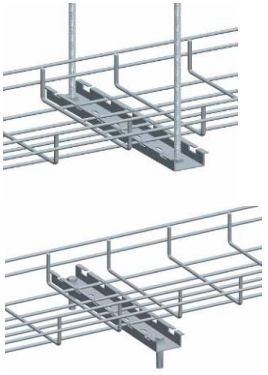
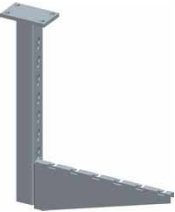


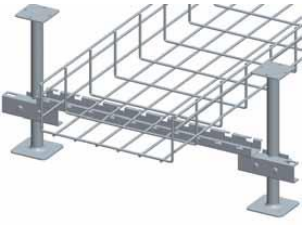


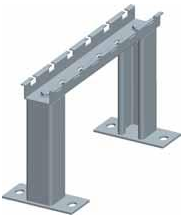
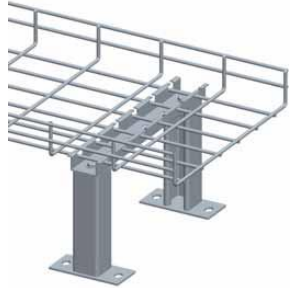
Example: M150- 100-3000-5—SS316 stands for 316 stainless steel cable mesh tray with height 150, width 100, length 3000 and wire diameter 5mm.

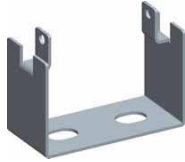


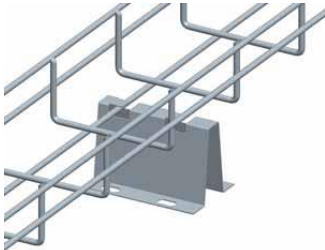

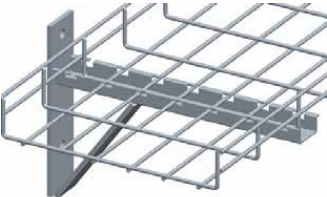

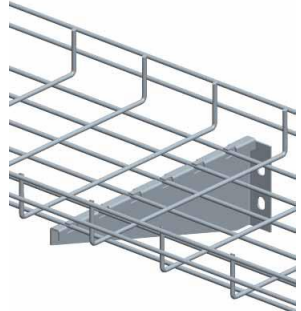

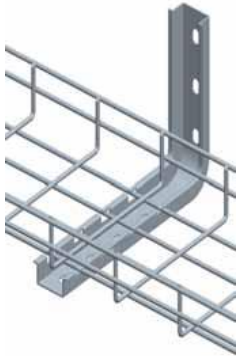
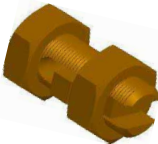
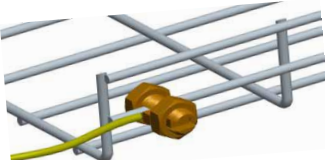

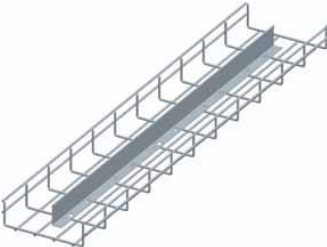

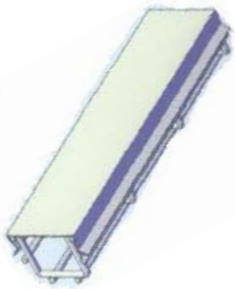
Width		Wire Count
Inch	mm	
2	50	N/A
4	100	N/A
6	150	
8	200	
12	300	
16	400	
18	450	
20	500	
24	600	

Item Names	Height		Width		Length	Diameter	Weight
	MM	INCH	MM	INCH			
M150-300-3000-5-__	150	6	300	12	3000	4.7	9.47
M150-400-3000-5-__	150	6	400	16	3000	4.7	10.88
M150-450-3000-5-__	150	6	450	18	3000	4.7	11.58
M150-500-3000-5-__	150	6	500	20	3000	4.7	12.28
M150-600-3000-5-__	150	6	600	24	3000	4.7	13.69



Item Name	Images	Installing Guide	Item Name	Images	Installing Guide
<b>COUPLER (KK28)</b>			<b>STRENGTHENING BAR (SBR)</b>		
<b>SINGLE CLAMP (SC1)</b>			<b>CONNER STRENGTH BAR (CSB)</b>		
<b>DOUBLE CLAMP (DC2)</b>			<b>FASTLOCK (PJ-FLK)</b>		
<b>BOLTLESS COUPLER (BTC)</b>			<b>SPIDER BRACKET (SPB)</b>		
<b>TRAY TERMINATOR (TTR)</b>			<b>CABLE GUIDER (CGD)</b>		

Item Name	Images	Installing Guide	Item Name	Images	Installing Guide
<p><b>CENTRAL HOLD DOWN CLIP (CHD)</b></p>			<p><b>50 TRAY HOLDER (THR)</b></p>		
<p><b>HOLD DOWN COUPLER FOR U-CHANNEL (HDC)</b></p>			<p><b>HANGING HOOKS (HKS)</b></p>		
<p><b>T-TYPE HANGING BRACKET (THB)</b></p>			<p><b>Ω BAR (BR100~700)</b></p>		
<p><b>FLAG TYPE HANGING BRACKET (FHB)</b></p>			<p><b>V CONNECTOR (VCN)</b></p>		
<p><b>FLAG TYPE FLOOR STAND (FFS)</b></p>			<p><b>CABINET TOP STAND BRIDGE TYPE FLOOR STAND (BFS)</b></p>		

Item Name	Images	Installing Guide	Item Name	Images	Installing Guide
<b>50 FLOOR STAND (50FSD)</b>			<b>100 FLOOR STAND (100FSD)</b>		
<b>CANTILEVER WALL BRACKET (CWB)</b>			<b>WALL BRACKET (WBK)</b>		
<b>L-TYPE WALL BRACKET (</b>			<b>Earthing Bolt (EHB)</b>		
<b>DIVIDER (DVR50) (DVR100) (DVR150)</b>			<b>COVER LOCK(CVL)</b>		

## Load Capability of Wire Mesh Cable Tray

Wire Mesh Cable Tray			Safe Loading Capability (KG)				
			Supporting Distance (mm)				
Height(mm)	Width(mm)	Rod Diameter(mm)	1000mm	1500mm	2000mm	2500mm	3000mm
50	50 (2')	4.7	180	120	80	53	35
50	100 (4')	4.7	203	135	90	60	40
50	150 (6')	4.7	228	152	101	68	45
50	200 (8')	4.7	253	169	113	75	50
50	300 (12')	4.7	278	186	124	83	55
50	400 (16')	4.7	304	203	135	90	60
50	450 (18')	4.7	329	219	146	98	65
50	600 (24')	4.7	380	253	169	113	75
Wire Mesh Cable Tray			Max Loading Capability (KG)				
			Supporting Distance (mm)				
Height(mm)	Width(mm)	Rod Diameter(mm)	1000mm	1500mm	2000mm	2500mm	3000mm
50	50 (2')	4.7	380	253	169	113	75
50	100 (4')	4.7	456	304	203	135	90
50	150 (6')	4.7	532	354	236	158	105
50	200 (8')	4.7	608	405	270	180	120
50	300 (12')	4.7	683	456	304	203	135
50	400 (16')	4.7	759	506	338	225	150
50	450 (18')	4.7	835	557	371	248	165
50	600 (24')	4.7	911	608	405	270	180



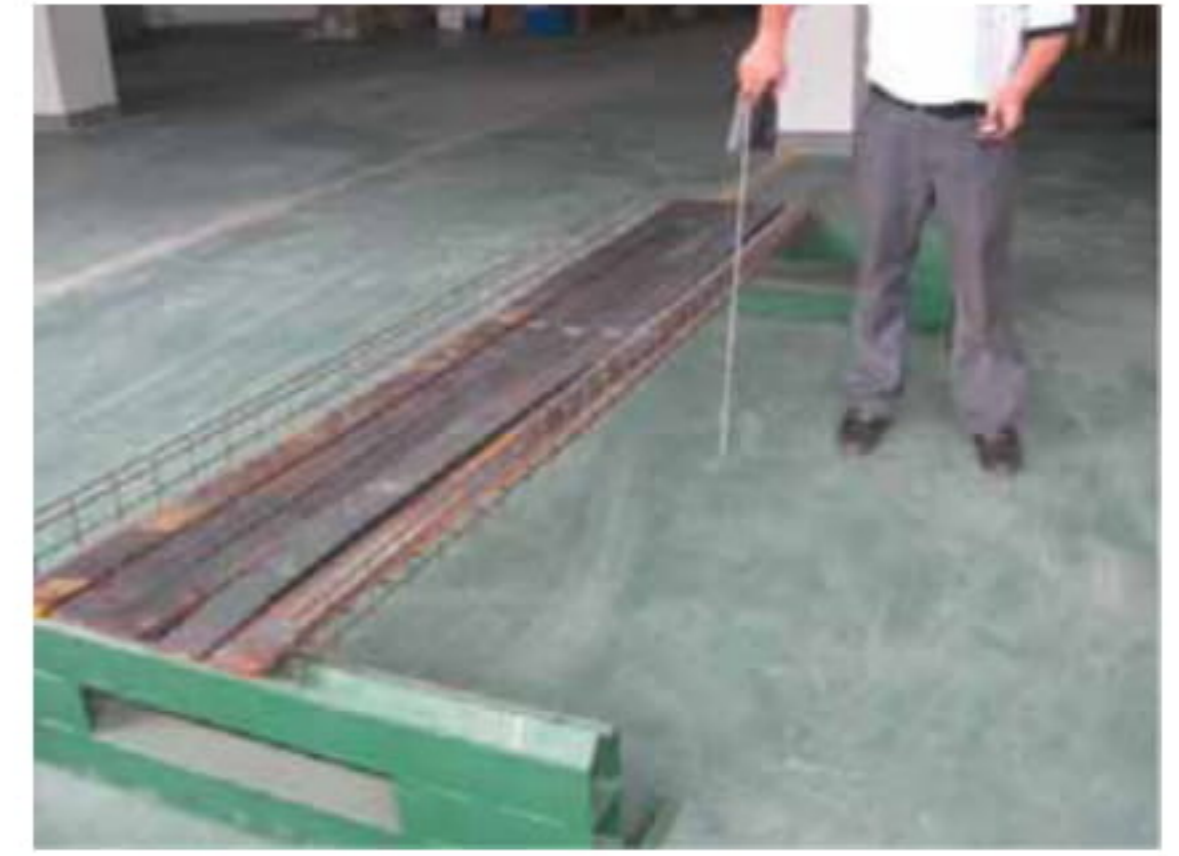
# QC

## Wire Mesh Cable Tray SWL (Safe Working Load) Tests:

Test Reference: Clause 5.2.6 - 5.2.9 NEMA VE 1-2002/CSA C22.2 No. 126.1-02

Description: Test for SWL of cable trays. Maximum loading capacity tested by adding long flat bars (steel bars used in our tests) onto wire mesh cable trays with length of 3000mm.

Result: Our wire mesh cable trays can hold up to 200kgs.



Test Reference: Clause 10.4 BS EN 61537:2007 Cable Management – Cable Tray Systems and Cable Ladder Systems

Description: Test for SWL of cable trays. SWL tested by mounting mass horizontally on single installation. At the products SWL, the practical mid-span deflection does not exceed 1/100<sup>th</sup> of the span. The transverse deflection does not exceed 1/20<sup>th</sup> of the width of the mesh cable trays.

Result: Our cable trays pass all requirements for SWL tests. The loading mass at which our basket trays still ensure reliable support is 1.7 times the load mass of the SWL test standard.



## Wire Mesh Cable Tray Welding Strength Tests:

Test Description: Tests welded segment, cut off from tested wire mesh cable trays, with hydraulic press.

Test Condition: 23±2°C, 50±5% RH, Hydraulic press speed: 5mm/min.

Result: Minimum breaking force ≥1166N.



# QC

## Salt Spray Tests:

The salt spray test is an accelerated corrosion test that applies a corrosive attack to coated product samples in order to examine the strength of the protective finish. The test duration in which the product does not show signs of corrosion depends on the corrosion resistance of the coating. The more corrosion resistant the coating is, the longer the period in which the tested product does not show signs of corrosion.

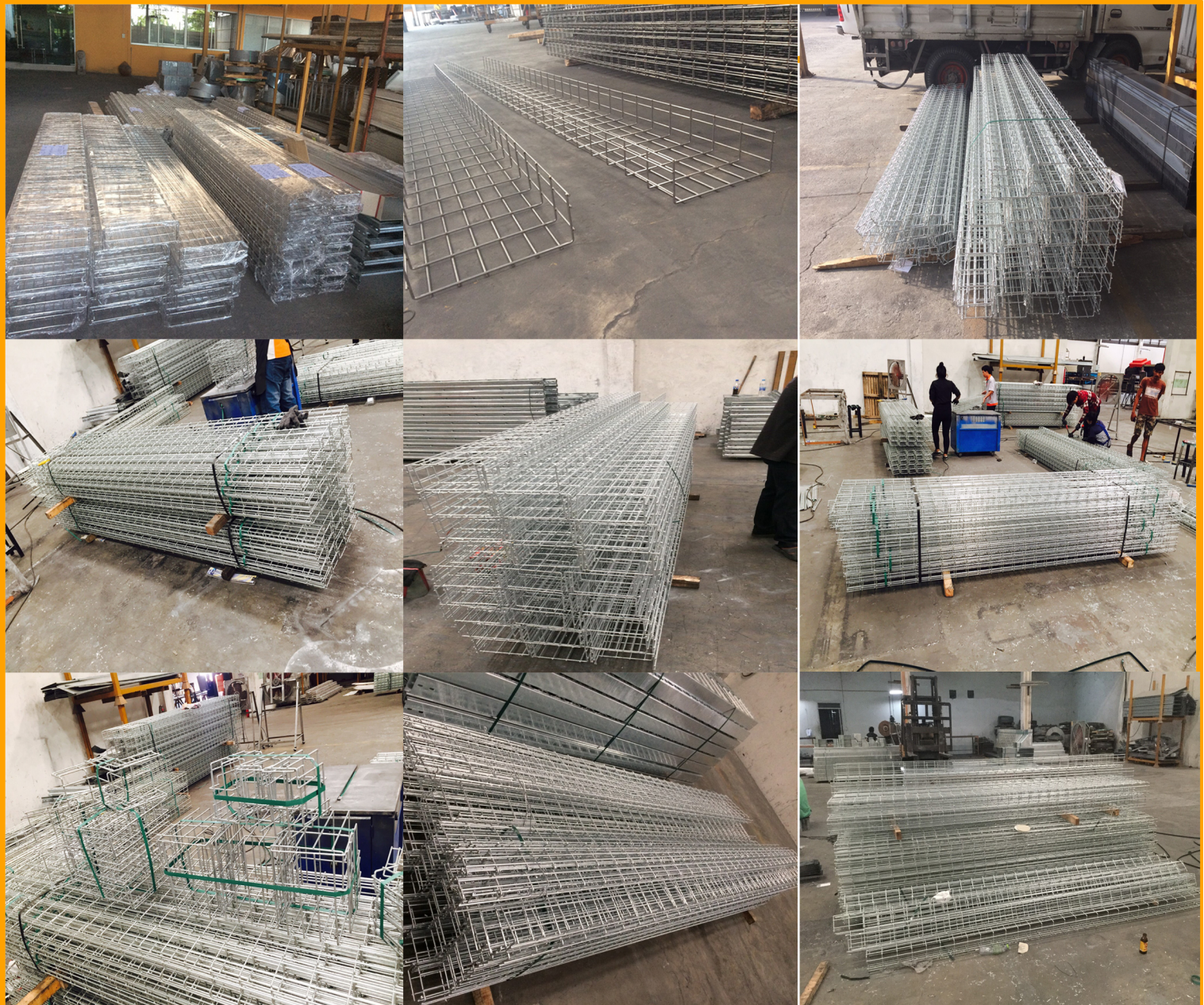
Time	EZ (Electro Zinc)	GC (Hot-Dip)	IN (Stainless)
120 hours	No Rust	No Rust	No Alteration
144 hours	No Rust	No Rust	No Alteration
216 hours	2 Spots of Rust	Yellow Spots; No Rust	No Alteration
264 hours	3-5 Spots of Rust	Increase of Yellow Spots; No Rust	No Alteration
312 hours	Rust over approx. 20% of the wire length	Increase of Yellow Spots; No Rust	No Alteration
432 hours	Continuing Rust	Multiple Yellow Spots; 3-5 Spots of Rust	No Alteration

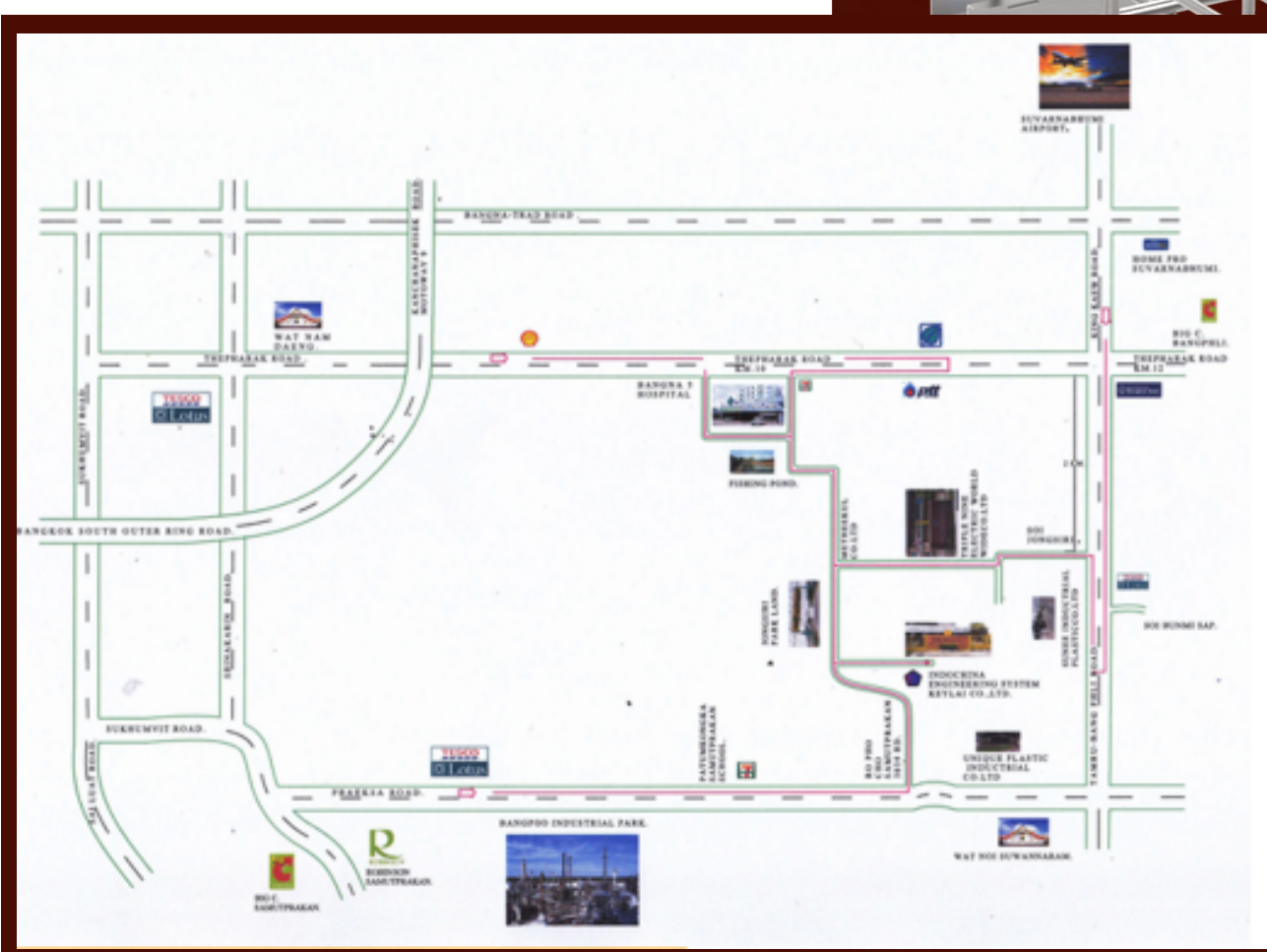
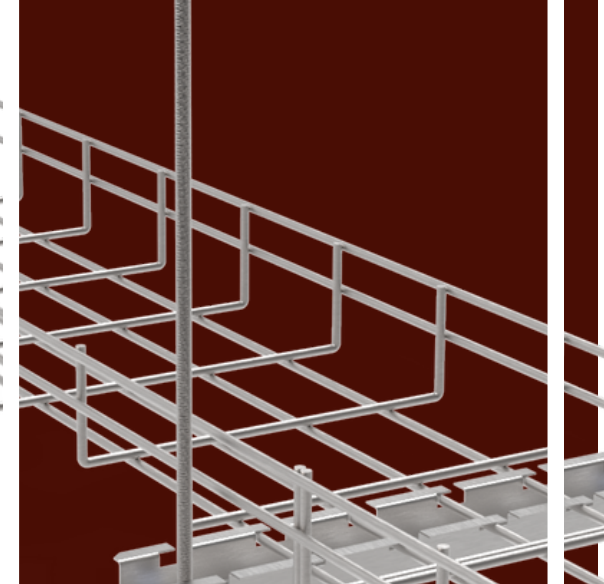
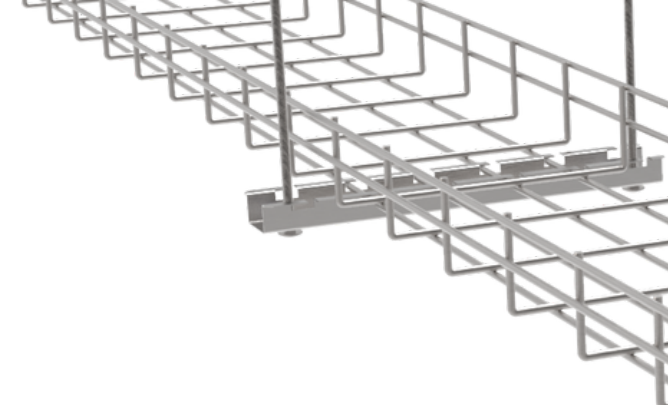


## Zinc Coating Thickness Test:

Zinc coating thickness on metallic substrates measured by our Coating Thickness Meters.

# PROJECT REFERENCE





# INDOCHINA ENGINEERING SYSTEM KEYLAI CO.,LTD.

100 หมู่ 21 ซอย.ที่ดินไทย  
ถ.เทพารักษ์ ต.บางพลีใหญ่ อ.บางพลี  
จ.สมุทรปราการ

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