



IME

IME CABLE SUPPORT SYSTEMS SDN BHD

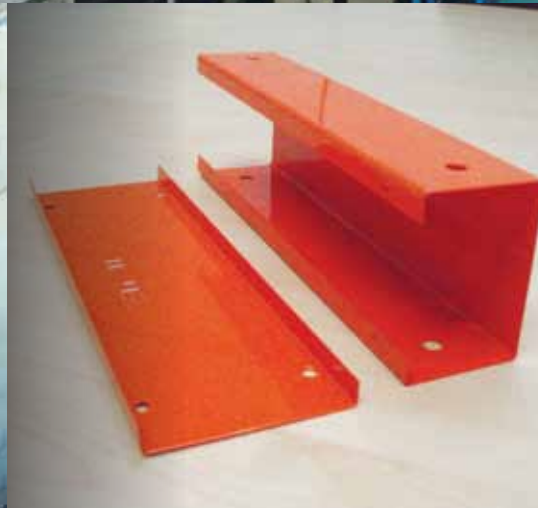


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PRODUCT CATALOGUE



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IME cable support systems (IMECSS)

Cable support systems is required as supporting structure for electrical engineering work and protection of electrical fittings. They are used at both indoor and outdoor work site.

The safety, shelf life and the economic factors of the structure are always the key considerations. To comply varies site environment conditions and project budgetary, IMECSS offers a wide range of cable support systems made of metals such as mild steel, pre-galvanized steel, electro-galvanized steel and aluminum with varies surface treatment process such as hot dip galvanized and electro epoxy powder coating to enhance the rust resistant.

Additionally, we also offer cable support systems made of FRP/GRP (Fiber Glass), stainless steel SS 304 and SS 316 L for critical environment.

MATERIAL USED AND CORROSION PROTECTION

Mild steel

Hot rolled mild steel (JIS G3131 SPHC) and Cold rolled mild steel (JIS G3141 SPCC)

Mild steel is chosen due to its economic factor. The corrosion resistance of mild steel is accelerated at moisture and non neutral environment. Various surface treatment are required for coating the mild steel surface for anti rust protection

Pre-Galvanized steel

Pre zinc galvanized steel (JIS G3302 SGHC/SGCC or BS 2989)

Pre-galvanized steel is produced by coating coils of sheet steel with zinc by continuously rolling the material through molten zinc at the mills. Hence, it has the better corrosion protection compare to the base steel but the zinc thickness coat is lesser compared to Hot dip galvanized.

Hot Dip Galvanized after Fabrication

Hot dip galvanized after Fabrication for cable ladders, cable trays and accessories made of mild steel material are possible. The fabricated products completely immersed in bath of molten zinc to gain a metallic bonding with a sufficient thickness of Zinc completely coating all surfaces, edges and welds. The zinc coating thickness is about 40 to 70 microns, conform to BS EN ISO 1461:1999, BS729:1971 and ASTM A123 standards.

Hot-dip galvanized products are recommended for prolonged outdoor exposure and will protect steel for many years in most outdoor environments.

Electro Zinc Galvanized Steel

Electro Zinc galvanized Steel (JIS G3313 SECC)

Electro zinc galvanized steel is the process by deposited of zinc on the steel surface by electrolysis process from a bath of zinc salt. The zinc thickness coated is relatively thinner compared to Hot dip galvanized products. The finished products are usually recommended for indoor use in relatively dry areas.

Aluminum

Aluminum alloy AA1100 or Extruded Aluminum Alloy AA6061/6063 T1/T2/T6
Cable ladders, trays and accessories made of this material are totally light in weight compared to normal mild steel. Aluminum has better resistance to normal weather in most outdoor application.

Epoxy powder coat

Epoxy powder (or polyester) electro coating is a process where a layer of cured thermosetting resin is anodized and adheres to the steel surface. The epoxy powder coated provides a glossy finish surface to the steel and act as a protective barrier to corrosion. The finished products are usually recommended for indoor use.

Special grade polyester powder could be applied if the finished products are used at outdoor and abnormal environment such as coastal environment.

The epoxy electro coating process could be applied to the finished products as following:

Mild steel products

After hot dip galvanized products
Pre-galvanized Steel products
Electro Zinc galvanized Steel products

Stainless Steel

Stainless steel SS 304 or SS 316 / 316L stainless steel, 2B surface
Stainless steel is chosen for the fabrication material mainly of its excellent corrosion resistant and chemical resistant.

The SS 304 material rust resistant is more superior to any other mild steel based material. The SS 316 material rust resistant is more superior to SS 304.

FRP / GRP

With the economical factor, chemical and corrosion resistant, instead of stainless steel FRP material is chosen for fabrication of cable support systems. However, the safety level might be compromised.

IMECSS also offers cable support systems made from FRP material, the catalogue is provide separately.

Safety and Load Bearing Capability

IMECSS cable support systems design conforms to the International Standard such as NEMA, IEC and other standards are also available upon special requirement. With the innovative and amber design accessories, the installation and assembly work of IMECSS cable support system is easy and trouble free.

TECHNICAL BRIEF

MATERIAL	SURFACE FINISHING	RECOMMENDED USE
Mild steel	Epoxy powder coated	Indoor
Mild steel	Hot Dip Galvanized after Fabrication	Outdoor
Mild steel	Hot Dip Galvanized after Fabrication + Epoxy	Outdoor
Mild steel	Electrogalvanied Zinc with mill finishing	Indoor
Mild steel	Pre-galvanized Zinc with mill finishing	Indoor
Electrogalvanied Zinc steel	Epoxy powder coated	Indoor
Pre-galvanized Zinc steel	Epoxy powder coated	Indoor
Stainless steel	Mill finishing	Outdoor or Indoor chemical plant
Aluminium	Mill finishing	Outdoor
FRP/GRP	Glossy	Audic enviroment


MAJOR PRODUCT RANGE

- CABLE LADDER
- PERFORATED CABLE TRAY
- TRUNKING
- INSTRUMENT DUCTING SUPPORT
- CHANNEL
- MARINE CABLE LADDER
- ELECTRICAL & INSTRUMENTATION SUPPORT MATERIAL

OTHERS PRODUCT RANGE

- ROUND TYPE LIGHTING POLES
- EARTHING MATERIALS & ACCESSORIES
- CONDUIT & PIPE ACCESSORIES
- INSTRUMENT MOUNTING STAND
- STEEL FRAME WORKS
- STRUCTURAL WORKS
- GROUDING PAD

At IMECSS, safety in the design, manufacture and use of products is foremost. Our cable support system designs conform to international standards such as those set by NEMA, IEC, BS. They also meet the benchmark set by other trade associations that promote the safe and effective use to products.



Load/Deflection Test Report

Certificate No:
Page 1 of 2

KT3079160016

Project :

Client : **IME Cable Support Systems Sdn.Bhd.**

Office : **Kuala Lumpur**

Client Order Number :

Date : **18 April 2008**

Inspection Dates :

From : **18 April 2008**

Order Status : **Complete**

To : **18 April 2008**

This certificate is issued to **IME Cable Support Systems Sdn.Bhd.**, and is to certify that the equipment described herein has been tested according to **IEC61337:2006** at their workshop at 1, Jalan D'Elms, Off Jalan Damansara, Jalan Chet Seng Lin, 52200 Kuala Lumpur, Malaysia between the aforementioned dates.

Material

: **Hot-Dip Galvanized**

Cable Ladder With 300mm Rung Spacing

: **300W x 150H x 600DL (All In MM)
600W x 150H x 600DL (All In MM)
900W x 150H x 600DL (All In MM)**

Standard Code

: **IEC 61537 : 2006 TYPE "V"**



The following scope of inspection was carried out:

1. Witness of load/deflection testing - Result (Refer to report attached)
2. Photos (Refer to second page)

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Form: 112 Issues: 0005/03/08

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	Load/Deflection Test Report	Certificate No: Page 1 of 2	KT00191000/9
Report: -			
Client: IME Cable Support Systems Sdn.Bhd	Office: Kuala Lumpur		
Client Order Number:	Date: 18 April 2008		
Inspection Order:	Order Status: Complete		
From: 18 April 2008	To: 18 April 2008		
<p>This certificate is issued to IME Cable Support Systems Sdn.Bhd, and is to certify that the equipment described herein has been tested according to NERA VET Class 20C at their workshop at 1, Jalan 2/88B, Off Jalan Daman, Jalan Chan Siew Lin, 55200 Kuala Lumpur, Malaysia between the aforementioned dates.</p>			
Material:	Hot-Dip Galvanized		
Cable Ladder With 300mm Rung Spacing	300W x 150H x 600D, (All in MM) 600W x 150H x 600D, (All in MM) 900W x 150H x 600D, (All in MM)		
Standard Code	NERA VET Class-20C		
The following scope of inspection was carried out:			
1. Witness of load/deflection testing – Result (Refer to report attached)			
2. Photos (Refer to second page)			
			
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Form LR25-0408-0002-002			



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Cawangan Kejuruteraan Elektrik
 Ibu Pejabat JKR Malaysia
 Lot 8, Jalan Chan Sow Lin
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 9266722
 Faks : 03 - 92619175
 Laman Web : <http://www.jkr.gov.my>

PERBAHARUAN PENCAHAYAIAN

Rq. Tuen :
 Rq. Kam : 17 dm JKR/PK/15/1/4 04
 Tarikh : 23 hb. Januari 2018
 04 hb. Ratuibawal 1439H

(Silu nyatakan apakah data apabila mempunyai data ini)

IME CABLE SUPPORT SYSTEM SDN. BHD.
 LOT 776, JALAN SUBANG 4,
 KAWASAN PERUSAHAAN SUNGAI PENAGA,
 47610, SUBANG JAYA,
 SELANGOR DARUL EHSAN

Tuan,

Pekerja : CABLE TRUNKING SYSTEM C/W ACCESSORIES

Merujuk kepada perkara yang termuat di atas, sukacita dimaklumkan bahawa barangan tuam yang terkandung dalam Laporan Ujian SRPM seperti berikut telah disasarkan ke dalam senarai Bahan-Bahan JKR Elektrik sebagai pengalihan/pembekal yang berdaftar, terutamanya kepada syarikat-syarikat seperti di muka surat 2.

Nama dan Alamat Pengeluar	Perihal Barangan	No. Sijil Tarikh Tamat Rujukan
IME CABLE SUPPORT SYSTEM SDN.BHD. LOT 776, JALAN SUBANG 4, KAWASAN PERUSAHAAN SUNGAI PENAGA, 47610, SUBANG JAYA, SELANGOR DARUL EHSAN	CABLE TRUNKING SYSTEM C/W ACCESSORIES JENAMA : IME MODEL: SEPerti LAMPUAN SAIZ: SEPerti LAMPUAN	NO LULASAN SRPM: 2011KL0966, 2011KL0794 TARIKH TAMAT: 15.10.2018 MS REC 61064-1:2006 REC 60669-2-11
TEL: 03-9022 2888 FAX: 03-9022 2828 CATATAN: MATERIAL : STAINLESS STEEL & GALVANISED SHEET STEEL		

NEGERA PENINSULA MALAYSIA



Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA & CINTAILAH BAHASA KITA"

Saya yang menurut perintah,

(Signature)

A/ DATO' A. HJ. MOHD FAZLI BIN USMAN
 Pengerusi Kanan
 Cawangan Kejuruteraan Elektrik
 i. s. Kanan Pengerusi Kerja Raya
 JKR Malaysia



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QAS**
INTERNATIONAL

SIRIM QAS International Sdn Bhd. (Incorporated in Malaysia)
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40101 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel. no. 03-55484001-1040000
Fax. no. 03-55484010

TEST REPORT

REPORT NO.: 2011MA0443	PAGE: 1 OF 10
<p>This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn Bhd. and issued to SIRIM QAS International Sdn Bhd. This test report shall not be reproduced except in full and shall not be used for advertising purposes by any means or for any other purpose without approval from Managing Director, SIRIM QAS International Sdn Bhd. Please refer website for conditions relating to this set of test reports</p>	

Applicant : **IME CABLE SUPPORT SYSTEMS Sdn. Bhd.**
No. 1, Jalan 2/99B, Off Jalan Enam,
Jalan Chua Kew Lin,
55200 Kuala Lumpur.

Manufacturer : **Same as applicant.**

Product : Cable Tray and Cable Ladder.

Type of Test / Method of test : Partial test.

Reference Standard : **MS-IEC 61537: 2007**
Cable Tray Systems and Cable Ladder Systems for Cable Management.
(IEC 61537:2001, IDT).
(Classes 7.1, 8.0, 8.1, 10.2, 10.4, 10.9, 11.3.1 and 14.0)

Description of sample : **Brand Name** : IME
Model / Type :
1. IME/TE1.5/1 / Cable Tray;
2. IME/TE2.0/50 / Cable Tray;
3. IME/Ladder-100/4 / Cable Ladder;
Quantity : 2 units for each model.

Date received : 18/05/2011

Job no./Ref. No. : J20111270389

Description of test result : The submitted test sample as described in this test report complied with the requirement of the above Reference Standard.

Issued date : **08 JUN 2011**

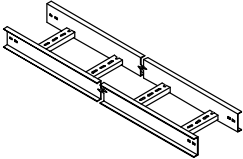
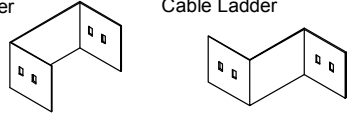
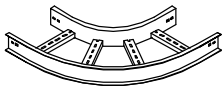
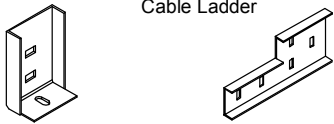
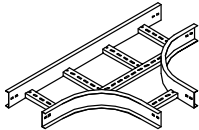
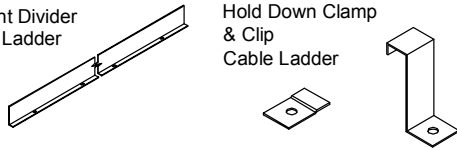
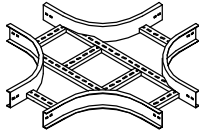
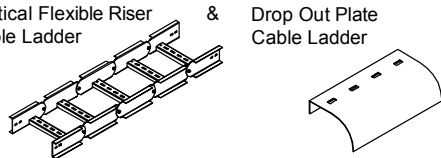
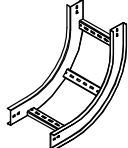
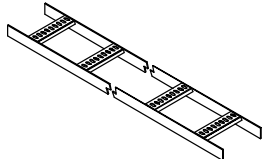
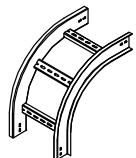
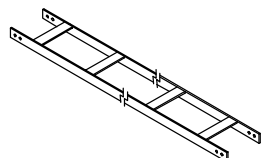
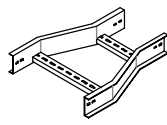
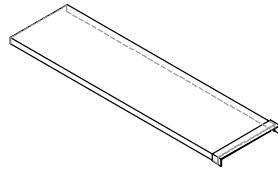
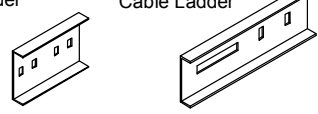
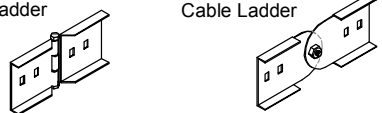
Approved Signature


(AHMAD NIZAR ANUAR)
Senior Technical Executive

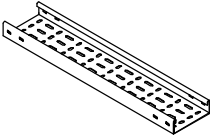
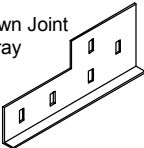
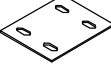


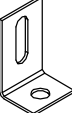
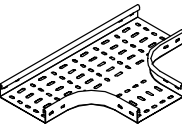
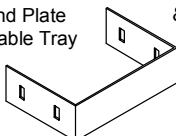
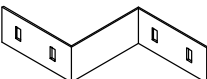
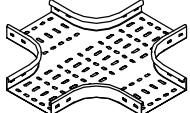
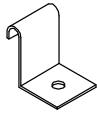
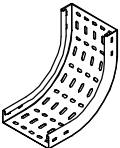
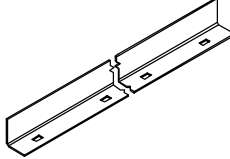
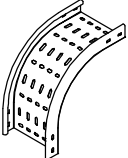
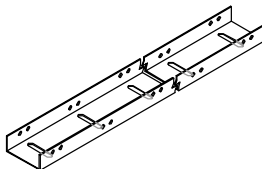
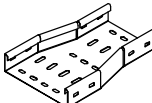
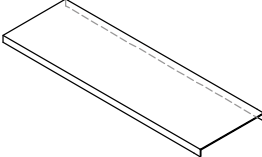
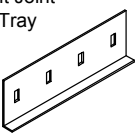
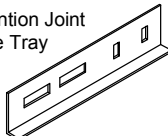
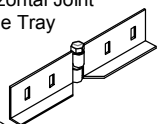
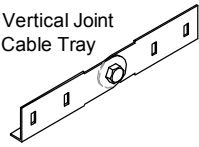

(HAZI MOEZ ADNAN AHMAD)
Head,
Mechanical Section (MST)
Testing Services Department



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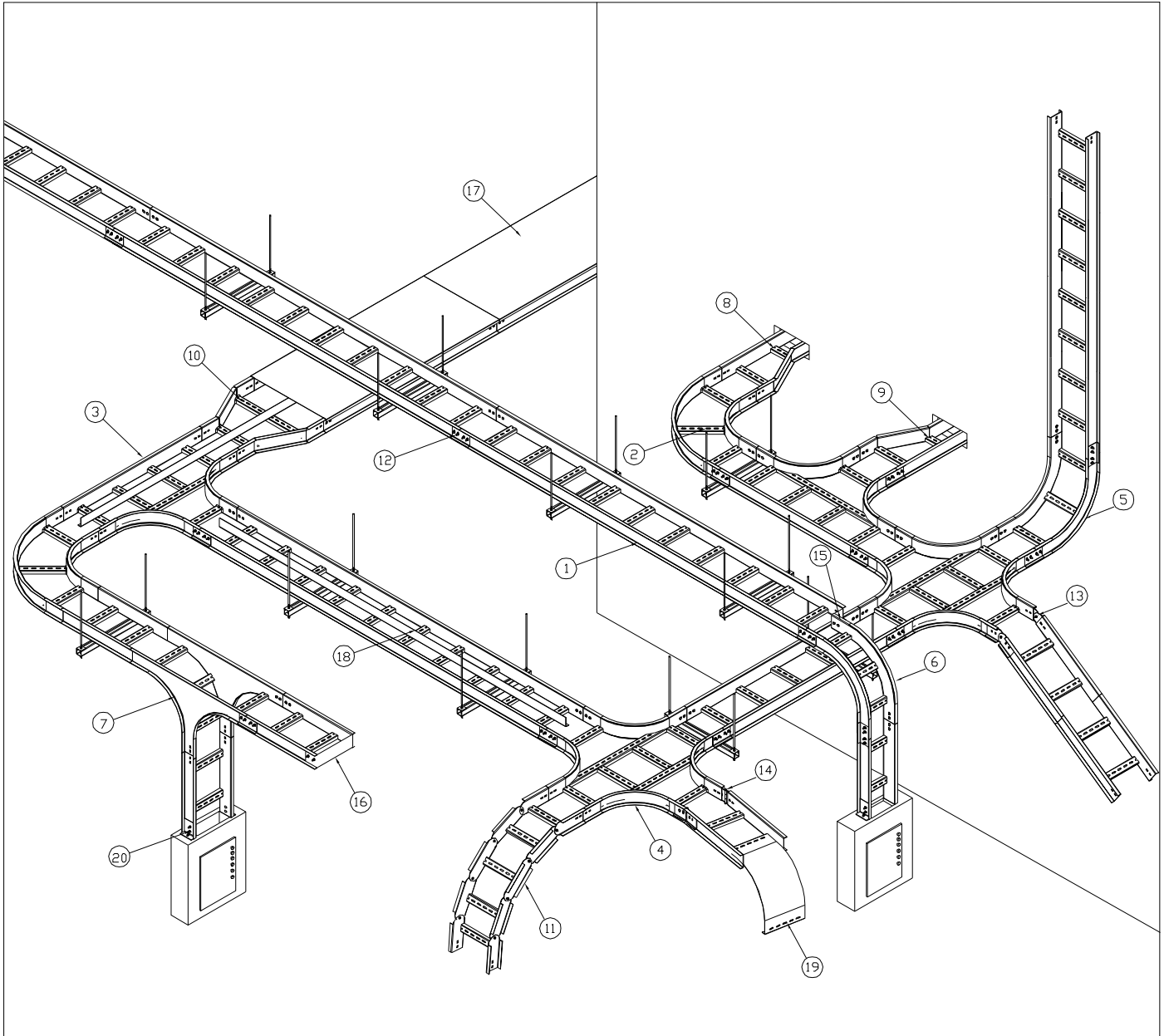
CABLE LADDER & COMPONENTS ASSEMBLY GUIDE

Legend:

1 = Straight Ladder
2 = Horizontal Flat Elbow
3 = Horizontal Tee
4 = Horizontal Cross
5 = Vertical Inside-riser
6 = Vertical Outside-riser
7 = Vertical Tee

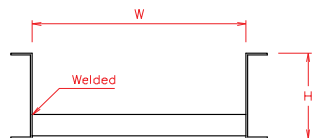
8 = Left-hand Reducer
9 = Right-hand Reducer
10 = Straight Reducer
11 = Flexible Riser
12 = Straight Joint
13 = Vertical Joint
14 = Horizontal Joint

15 = Reducer plate
16 = End plate
17 = Cover
18 = Divider
19 = Drop Out
20 = Splice plate

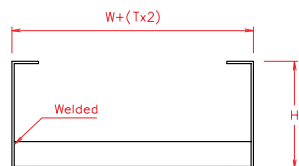


TECHNICAL BRIEF

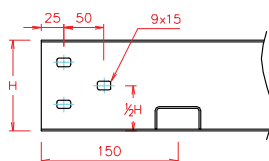
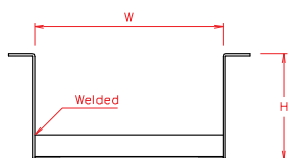
OUTSIDE RAIL WELDING TYPE



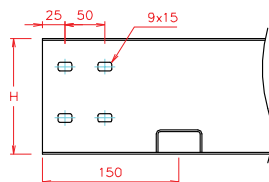
INSIDE RAIL WELDING TYPE



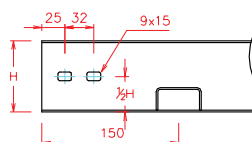
'Z' RAIL WELDING TYPE



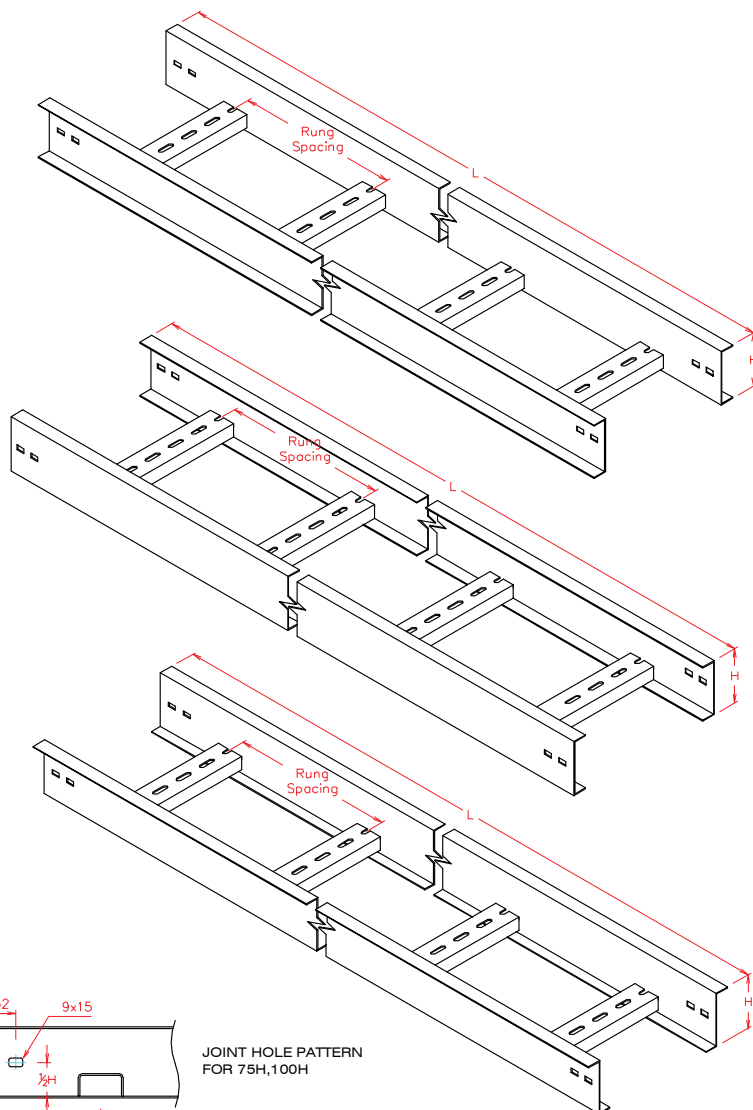
JOINT HOLE PATTERN
FOR 125H, 150H



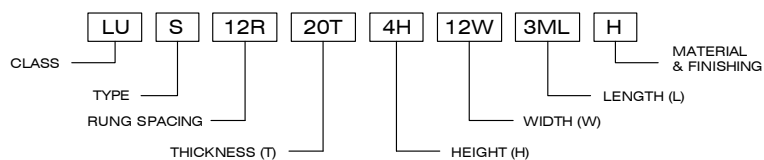
JOINT HOLE PATTERN
FOR 150H, 200H



JOINT HOLE PATTERN
FOR 75H, 100H



PRODUCT CODE DESCRIPTION



- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) HDG after fabricate.
3) Other sizes are available upon request.

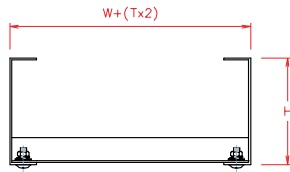
EXAMPLE DESCRIPTION : HDG - STRAIGHT

- CABLE LADDER OUTSIDE RAIL WELDING TYPE - WITH 300mm RUNG SPACING -
- 2.0(T) 100(H) x 300(W) x 3000(L)

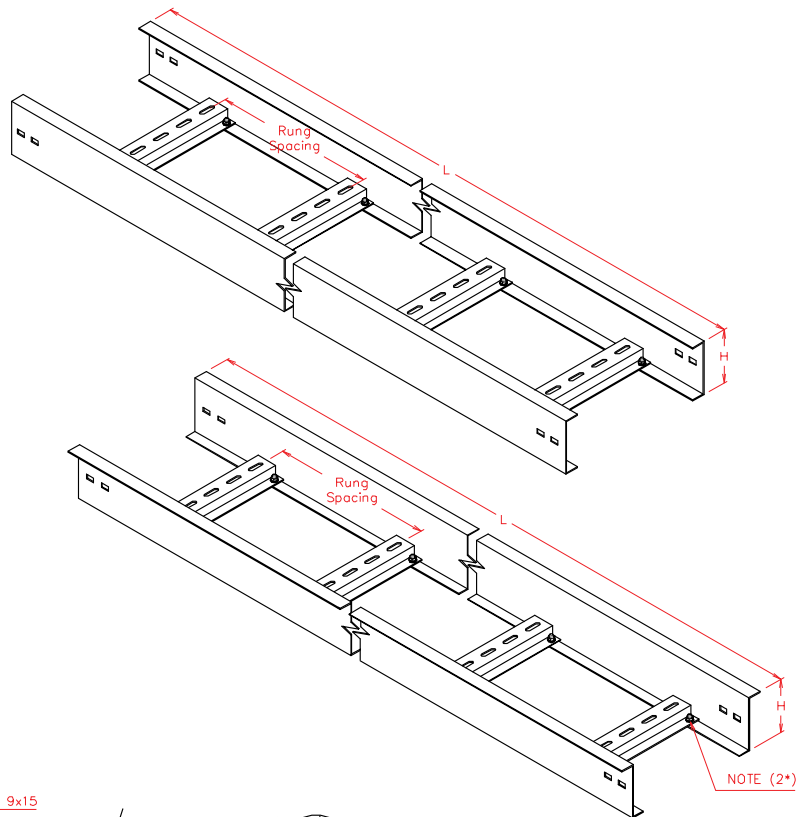
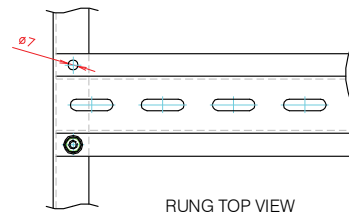
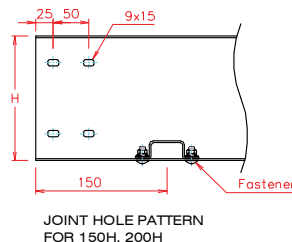
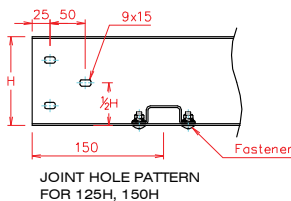
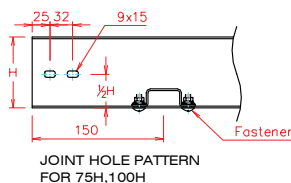
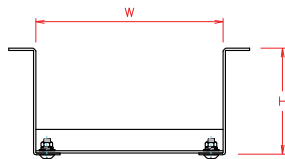
CLASS	CODE	TYPE	CODE	RUNG	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Straight	S	200	08R	1.5	15T	75	3H	100	04W	2438	8FL	Epoxy	(C)	Orange	1
4 Hole-150H	LV			230	09R	2.0	20T	100	4H	150	06W	3000	3ML	Electro-	(V)	Green	2
				250	10R	2.3	23T	125	5H	200	08W	6000	6ML	galvanized		White	3
Inside Weld	LN			300	12R	2.5	25T	150	6H	300	12W			Galvanized	(G)	Blue	4
4 Hole-150H	LM							200	8H	450	18W			Iron		Red	5
										600	24W			Stainless	(S4)	Beige	6
"Z" Weld	LK									750	30W			Steel 304		Grey	7
4 Hole-150H	LJ									800	32W			Stainless	(S6)	Yellow	8
										900	36W			Steel 316			
										1000	40W			HDG	(H)		

CABLE LADDER - STRAIGHT

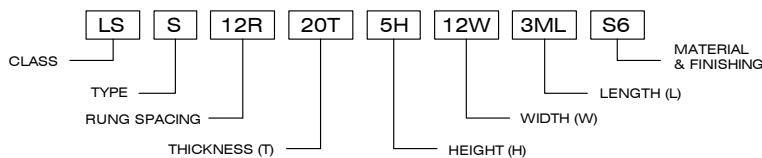
INSIDE RAIL KNOCK DOWN TYPE



"Z" RAIL KNOCK DOWN TYPE



PRODUCT CODE DESCRIPTION



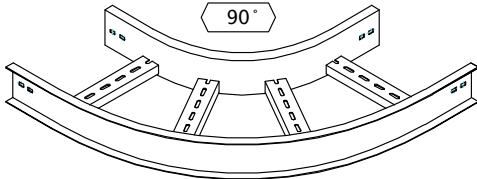
- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
 2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
 3) HDG after fabricate.
 4) Other sizes are available upon request.

EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - STRAIGHT
 - CABLE LADDER INSIDE RAIL KNOCK DOWN SCREW TYPE - WITH 300mm RUNG SPACING
 - 2.0(T) 100(H) x 300(W) x 3000(L)

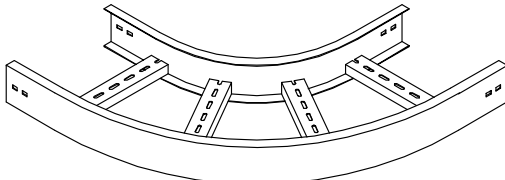
CLASS	CODE	TYPE	CODE	RUNG CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL	CODE	COATING CODE
Inside – Knock Down	LS	Straight	S	200 08R	1.5	15T	75 3H	100 04W	2438 8FL	Epoxy (C)	Orange	1			
				230 09R	2.0	20T	100 4H	150 06W	3000 3ML	Electro–galvanized (V)	Green	2			
4 Hole–150H	LT			250 10R	2.3	23T	125 5H	200 08W	6000 6ML	Galvanized Iron (G)	White	3			
				300 12R	2.5	25T	150 6H	300 12W	Stainless Steel 304 (S4)		Blue	4			
"Z" – Knock Down	LD						200 8H	450 18W			Stainless Steel 316 (S6)	Red	5		
								600 24W		Beige		6			
4 Hole–150H	LE							750 30W		HDG (H)	Grey	7			
								800 32W			Yellow	8			
								900 36W							
								1000 40W							

CABLE LADDER - HORIZONTAL FLAT ELBOW

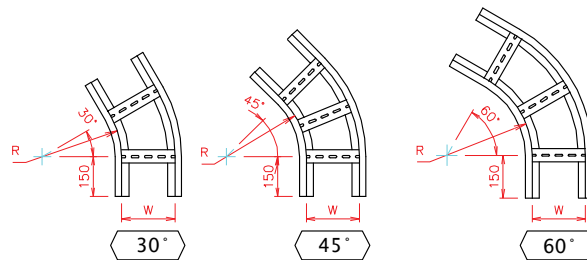
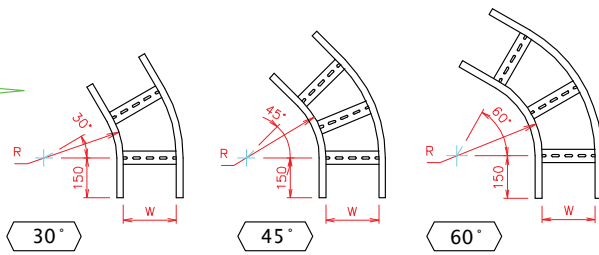
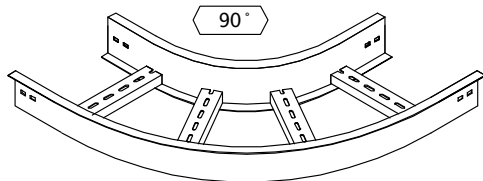
OUTSIDE RAIL TYPE - CURVE RADIUS



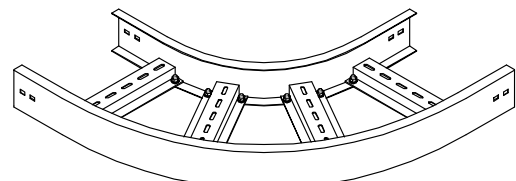
INSIDE RAIL TYPE - CURVE RADIUS



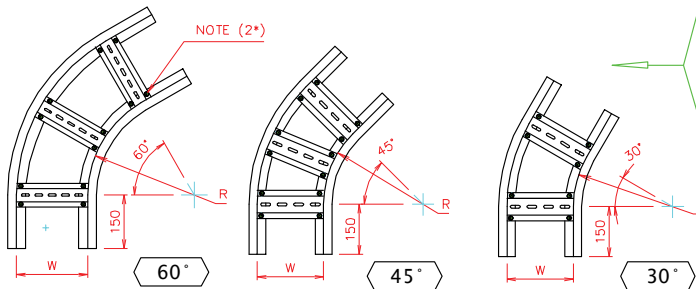
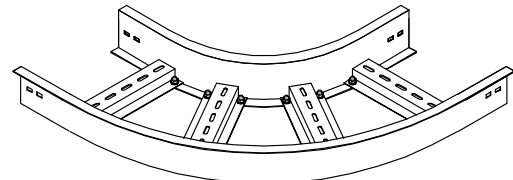
"Z" RAIL TYPE - CURVE RADIUS



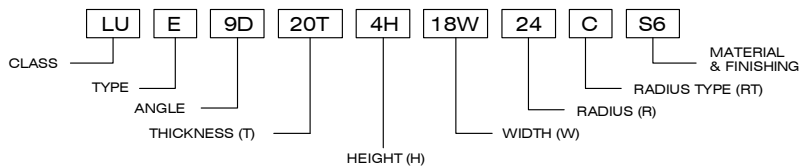
INSIDE RAIL KNOCK DOWN TYPE - CURVE RADIUS



"Z" RAIL KNOCK DOWN TYPE - CURVE RADIUS



PRODUCT CODE DESCRIPTION



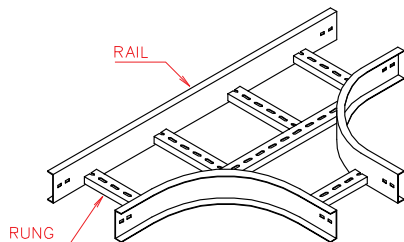
EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - 90 DEG HORIZONTAL FLAT ELBOW
- CABLE LADDER OUTSIDE RAIL WELDING TYPE
- 2.0(T) 100(H) x 450(W) R=600 (Curve Radius)

- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) HDG after fabricate.
4) Other sizes are available upon request.

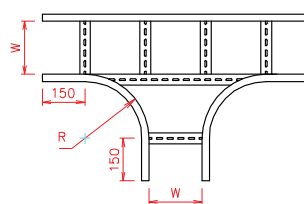
CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	ELBOW	E	30 DEG	3D	1.5	15T	75	3H	100	04W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LV			45 DEG	4D	2.0	20T	100	4H	150	06W	450	18	Electro-galvanized	(V)	Green	2
Inside Weld	LN			60 DEG	6D	2.3	23T	125	5H	200	08W	600	24	Galvanized	(G)	White	3
4 Hole-150H	LM			90 DEG	9D	2.5	25T	150	6H	300	12W	750	30	Iron		Blue	4
"Z" Weld	LK							200	8H	450	18W	900	36			Red	5
4 Hole-150H	LJ									600	24W			Stainless Steel 304	(S4)	Beige	6
Inside - Knock Down	LS									750	30W					Grey	7
4 Hole-150H	LT									800	32W			Stainless Steel 316	(S6)	Yellow	8
"Z" - Knock Down	LD									900	36W			HDG	(H)		
4 Hole-150H	LE									1000	40W						

CABLE LADDER - HORIZONTAL TEE

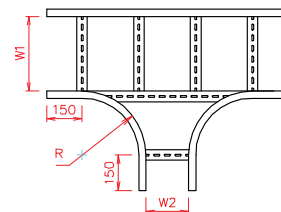
OUTSIDE RAIL TYPE - CURVE RADIUS



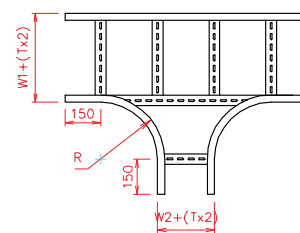
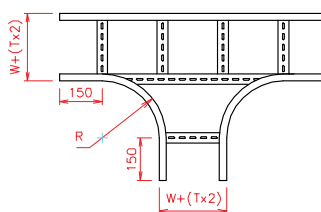
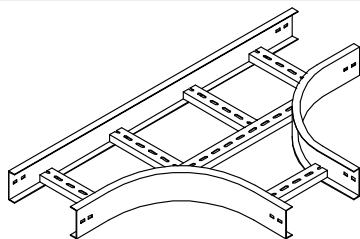
EQUAL TEE



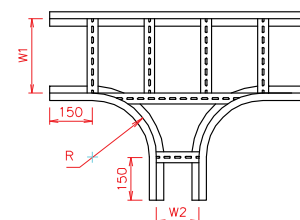
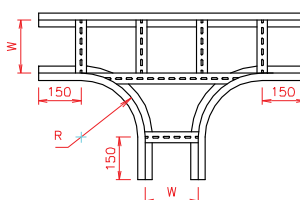
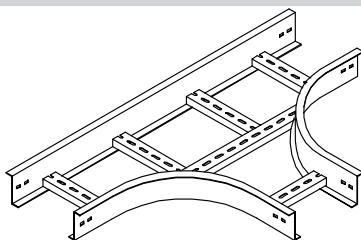
UNEQUAL TEE



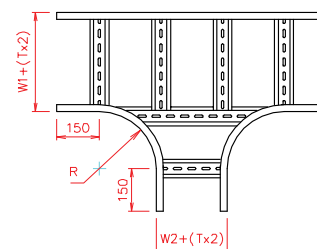
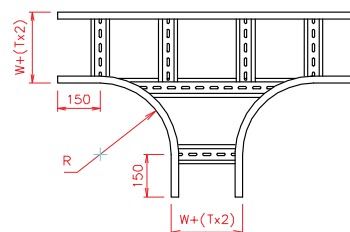
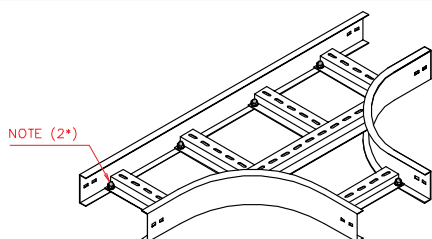
INSIDE RAIL TYPE - CURVE RADIUS



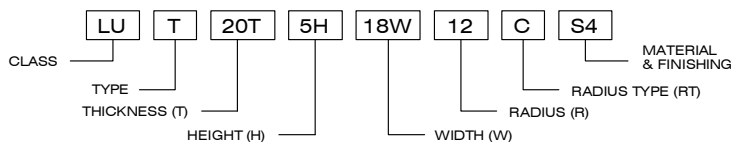
"Z" RAIL TYPE - CURVE RADIUS



INSIDE RAIL KNOCK DOWN TYPE - CURVE RADIUS



PRODUCT CODE DESCRIPTION



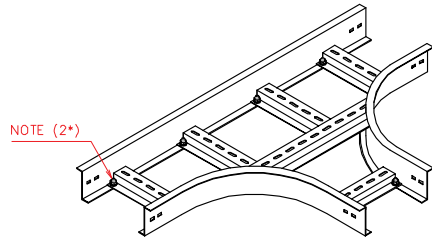
- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) HDG after fabricate.
4) Other sizes are available upon request.

EXAMPLE DESCRIPTION : STAINLESS STEEL 304 - HORIZONTAL EQUAL TEE
- CABLE LADDER INSIDE RAIL TYPE -
- 2.0(T) 125(H) x 450(W) R=300 (Curve Radius)

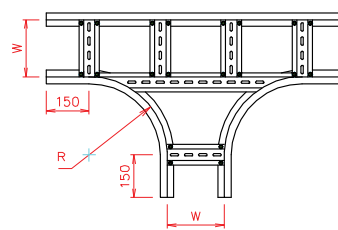
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Equal	T	1.5	15T	75	3H	100	04W	75	03W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LV			2.0	20T	100	4H	150	06W	100	04W	450	18	Electro-	(V)	Green	2
		Unequal	Q	2.3	23T	125	5H	200	08W	150	06W	600	24	galvanized		White	3
Inside Weld	LN			2.5	25T	150	6H	300	12W	200	08W	750	30	Galvanized	(G)	Blue	4
4 Hole-150H	LM					200	8H	450	18W	300	12W	900	36	Iron		Red	5
								600	24W	450	18W			Stainless	(S4)	Beige	6
								750	30W	600	24W			Steel 304		Grey	7
"Z" Weld	LK							800	32W	750	30W			Stainless	(S6)	Yellow	8
4 Hole-150H	LJ							900	36W	800	32W			Steel 316			
								1000	40W	900	36W			HDG	(H)		
												(RT)	CODE				
												curve	C				
												straight	S				

CABLE LADDER - HORIZONTAL TEE

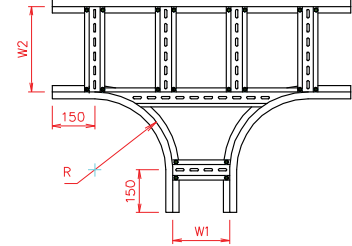
"Z" RAIL KNOCK DOWN TYPE - CURVE RADIUS



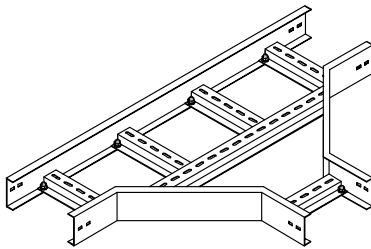
EQUAL TEE



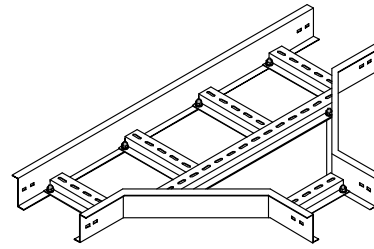
UNEQUAL TEE



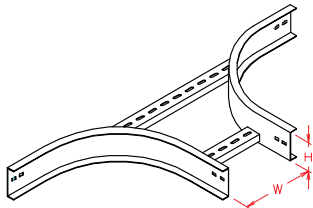
INSIDE RAIL KNOCK DOWN TYPE - STRAIGHT RADIUS



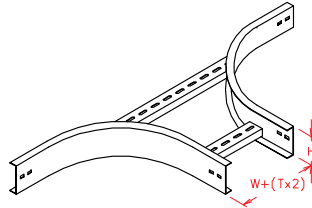
"Z" RAIL KNOCK DOWN TYPE - CURVE RADIUS



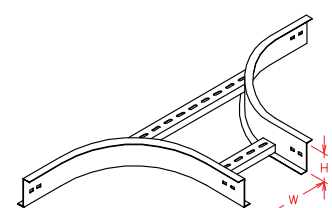
OUTSIDE RAIL TYPE - CURVE RADIUS



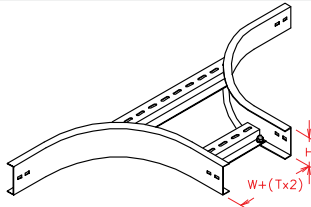
INSIDE RAIL TYPE - CURVE RADIUS



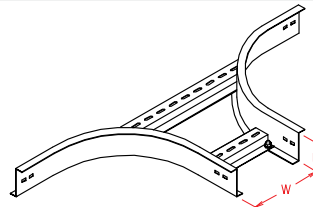
"Z" RAIL TYPE - CURVE RADIUS



INSIDE RAIL KNOCK DOWN TYPE - CURVE RADIUS



"Z" RAIL KNOCK DOWN TYPE - CURVE RADIUS



PRODUCT CODE DESCRIPTION

CLASS	TYPE	THICKNESS (T)	HEIGHT (H)	WIDTH (W1)	WIDTH (W2)	RADIUS (R)	MATERIAL & FINISHING	RADIUS TYPE (RT)
LS	Q	20T	4H	18	12W	12	S	S6

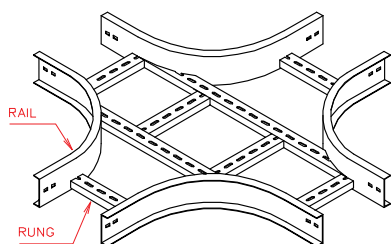
- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
 2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
 3) HDG after fabricate.
 4) Other sizes are available upon request.

EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - HORIZONTAL UNEQUAL TEE
 - CABLE LADDER INSIDE RAIL KNOCK DOWN SCREW TYPE
 - 2.0(T) 100(H) x 450(W1)-300(W2) R=300 (Straight Radius)

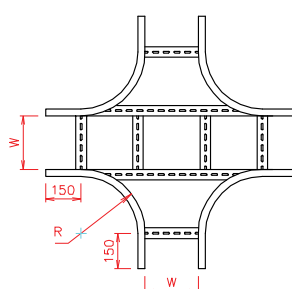
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Equal	T	1.5	15T	75	3H	100	04W	75	03W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LV	Tee		2.0	20T	100	4H	150	06W	100	04W	450	18	Electro-	(V)	Green	2
Inside Weld	LN	Unequal	Q	2.3	23T	125	5H	200	08W	150	06W	600	24	galvanized		White	3
4 Hole-150H	LM	Tee		2.5	25T	150	6H	300	12W	200	08W	750	30	Galvanized	(G)	Blue	4
"Z" Weld	LK	Branch	H			200	8H	450	18W	300	12W	900	36	Iron		Red	5
4 Hole-150H	LJ	Tee						600	24W	450	18W			Stainless	(S4)	Beige	6
								750	30W	600	24W			Steel 304		Grey	7
Inside -								800	32W	750	30W			Stainless	(S6)	Yellow	8
Knock Down	LS							900	36W	800	32W			Steel 316			
4 Hole-150H	LT							1000	40W	900	36W			HDG	(H)		
"Z" -																	
Knock Down	LD																
4 Hole-150H	LE																

CABLE LADDER - HORIZONTAL CROSS

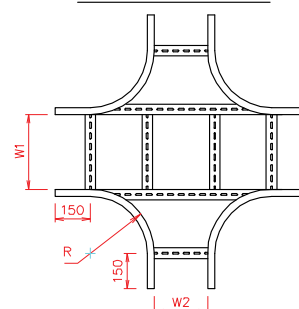
OUTSIDE RAIL TYPE - curve radius



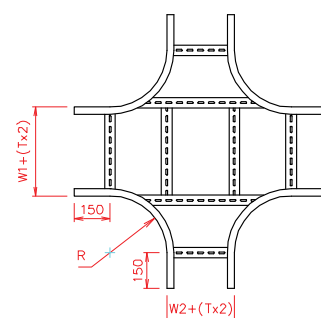
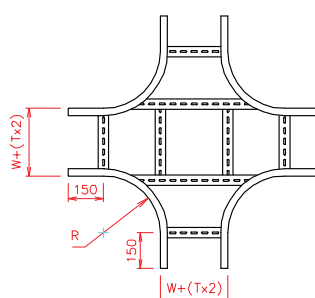
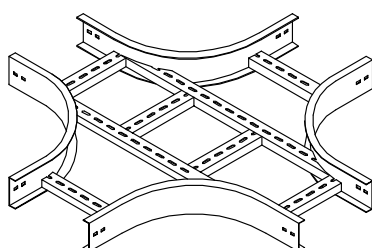
EQUAL CROSS



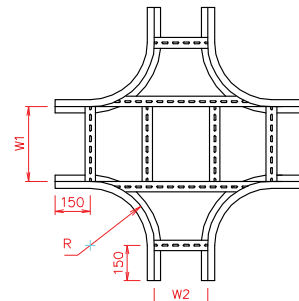
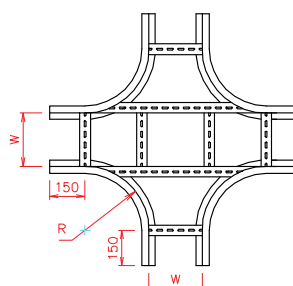
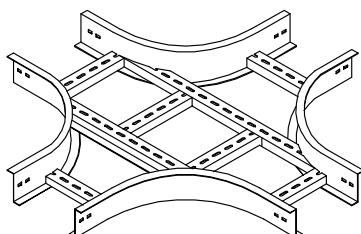
UNEQUAL CROSS



INSIDE RAIL TYPE - curve radius



INSIDE RAIL KNOCK DOWN TYPE - curve radius



PRODUCT CODE DESCRIPTION

LK	C	20T	4H	12	06W	12	S	S4
CLASS	TYPE	THICKNESS (T)	HEIGHT (H)	WIDTH (W1)	WIDTH (W2)	RADIUS (R)	MATERIAL & FINISHING	

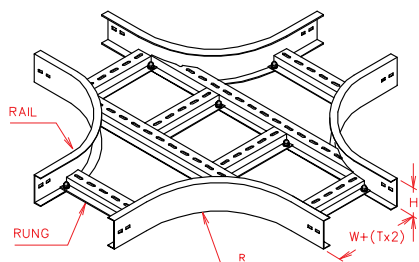
EXAMPLE DESCRIPTION : STAINLESS STEEL 304 - HORIZONTAL UNEQUAL CROSS
- CABLE LADDER "Z" RAIL WELDING TYPE
- 2.0(T) 100(H) x 300(W1)-150(W2) R=300 (Straight Radius)

- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) W1 & W2 need + Thickness with tolerance between Ladder Inside Rail Type.
4) HDG after fabricate.
5) Other sizes are available upon request.

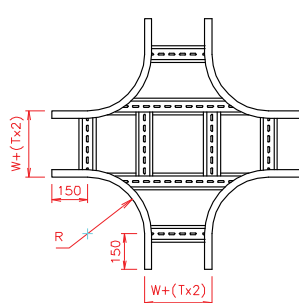
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Cross	X	1.5	15T	75	3H	100	04W	75	03W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LV	Unequal		2.0	20T	100	4H	150	06W	100	04W	450	18	Electro-	(V)	Green	2
Inside Weld	LN	Cross	C	2.3	23T	125	5H	200	08W	150	06W	600	24	galvanized		White	3
4 Hole-150H	LM			2.5	25T	150	6H	300	12W	200	08W	750	30	Galvanized	(G)	Blue	4
						200	8H	450	18W	300	12W	900	36	Iron		Red	5
"Z" Weld	LK							600	24W	450	18W			Stainless	(S4)	Beige	6
4 Hole-150H	LJ							750	30W	600	24W			Steel 304		Grey	7
								800	32W	750	30W			Stainless	(S6)	Yellow	8
								900	36W	800	32W			Steel 316			
								1000	40W	900	36W			HDG	(H)		
												(RT)	CODE				
												curve	C				
												straight	S				

CABLE LADDER - HORIZONTAL CROSS

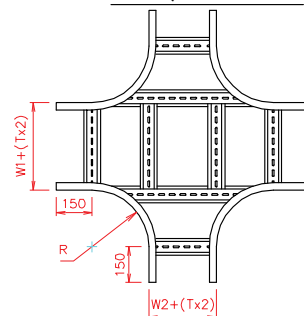
INSIDE RAIL KNOCK DOWN TYPE - curve radius



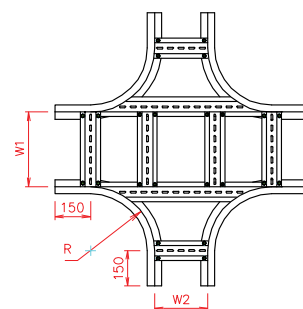
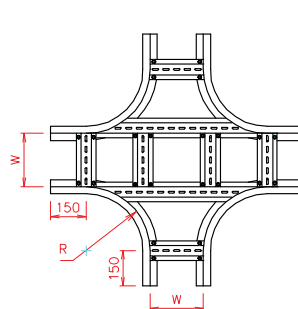
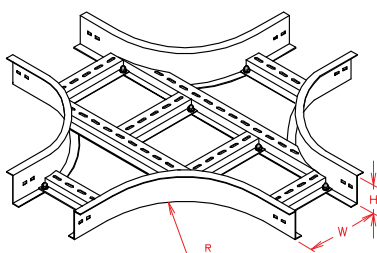
EQUAL CROSS



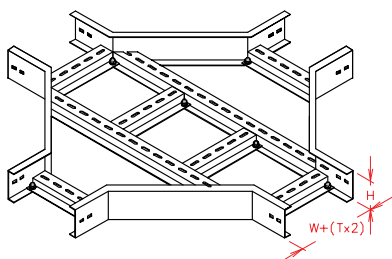
UNEQUAL CROSS



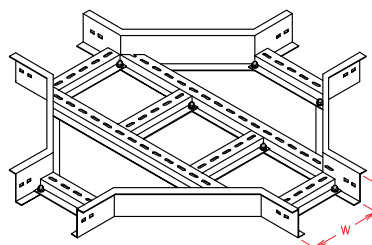
"Z" RAIL KNOCK DOWN TYPE - curve radius



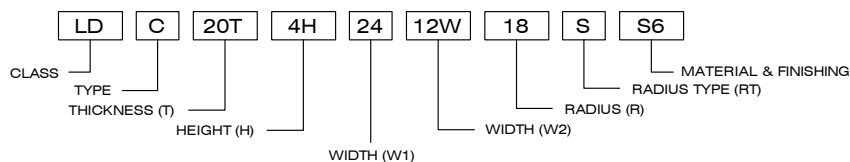
INSIDE RAIL KNOCK DOWN TYPE - straight radius



"Z" RAIL KNOCK DOWN TYPE - straight radius



PRODUCT CODE DESCRIPTION



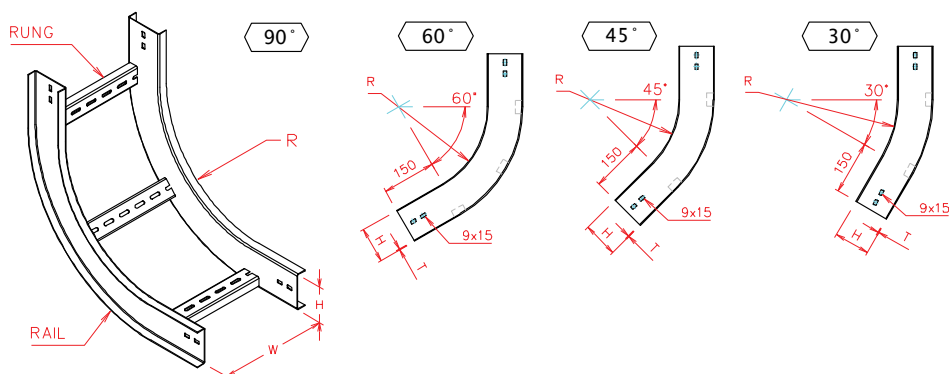
EXAMPLE DESCRIPTION : HDG - HORIZONTAL UNEQUAL CROSS
- CABLE LADDER "Z" KNOCK DOWN SCREW TYPE
- 2.0(T) 100(H) x 600(W1)-300(W2) R=450 (Straight Radius)

- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) W1 & W2 need + Thickness with tolerance between Ladder Inside Rail Type.
4) HDG after fabricate.
5) Other sizes are available upon request.

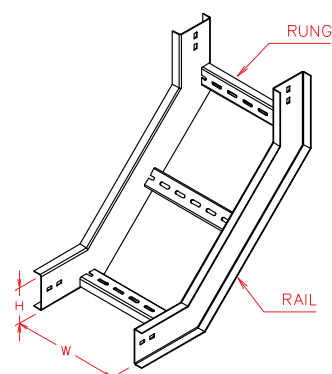
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Inside - Knock Down	LS	Equal Cross	X	1.5	15T	75	3H	100	04W	75	03W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LT	Unequal Cross	C	2.0	20T	100	4H	150	06W	100	04W	450	18	Electro-galvanized	(V)	Green	2
				2.3	23T	125	5H	200	08W	150	06W	600	24			White	3
				2.5	25T	150	6H	300	12W	200	08W	750	30	Galvanized Iron	(G)	Blue	4
"Z" - Knock Down	LD					200	8H	450	18W	300	12W	900	36			Red	5
4 Hole-150H	LE							600	24W	450	18W			Stainless Steel 304	(S4)	Beige	6
								750	30W	600	24W					Grey	7
								800	32W	750	30W			Stainless Steel 316	(S6)	Yellow	8
								900	36W	800	32W						
								1000	40W	900	36W						
												(RT)	CODE				
												curve	C	HDG	(H)		
												straight	S				

CABLE LADDER - VERTICAL INSIDE RISER

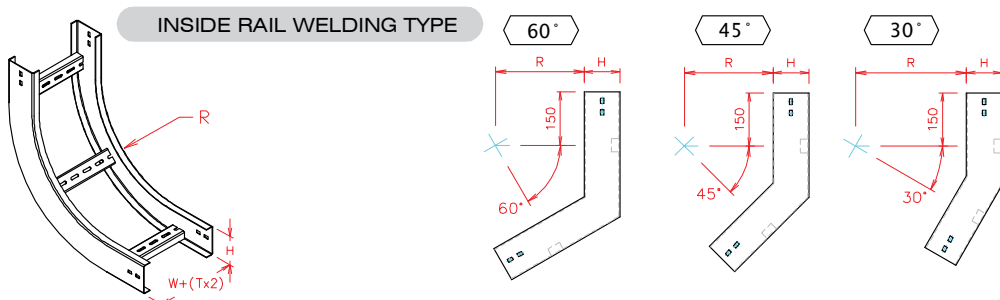
OUTSIDE RAIL WELDING TYPE - Curve Radius



OUTSIDE RAIL WELDING TYPE - Straight Radius

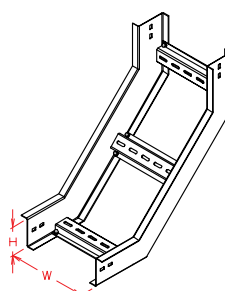
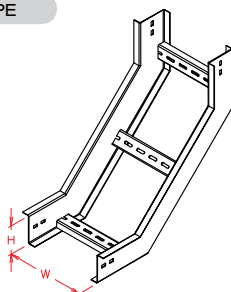
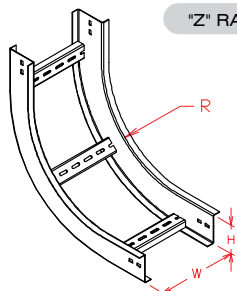


INSIDE RAIL WELDING TYPE

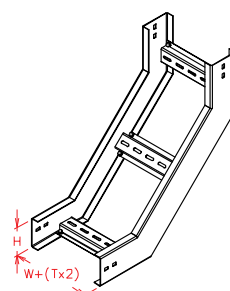


INSIDE RAIL WELDING TYPE

"Z" RAIL WELDING TYPE



'Z' RAIL KNOCK DOWN TYPE



INSIDE RAIL KNOCK DOWN TYPE

PRODUCT CODE DESCRIPTION

CLASS	TYPE	ANGLE	THICKNESS (T)	HEIGHT (H)	WIDTH (W)	RADIUS (R)	MATERIAL & FINISHING	RADIUS TYPE (RT)
LN	N	9D	20T	4H	18W	18	C	H

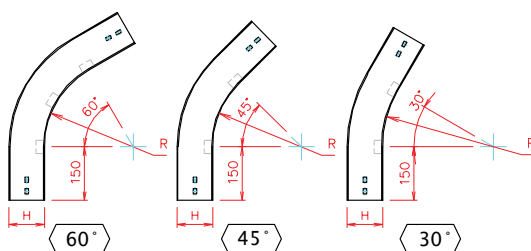
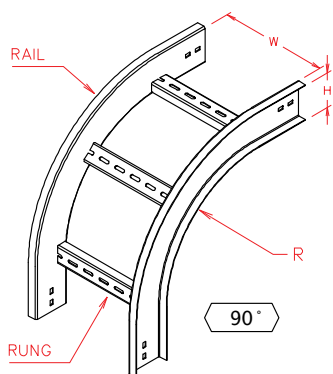
EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL INSIDE RISER
- CABLE LADDER INSIDE WELDING RAIL TYPE
- 2.0(T) 100(H) x 450(W) R=450 (Curve Radius)

- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) W1 & W2 need + Thickness with tolerance between Ladder Inside Rail Type.
4) HDG after fabricate.
5) Other sizes are available upon request.

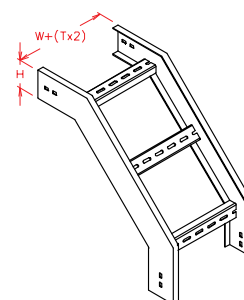
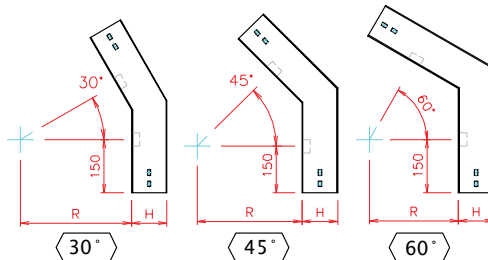
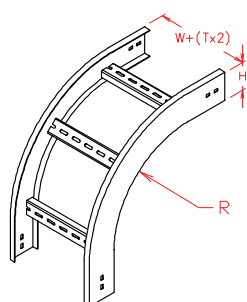
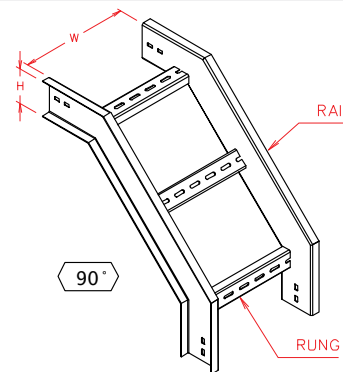
CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Inside	N	30 DEG	3D	1.5	15T	75	3H	100	04W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LV	Riser		45 DEG	4D	2.0	20T	100	4H	150	06W	450	18	Electro-	(V)	Green	2
Inside Weld	LN			60 DEG	6D	2.3	23T	125	5H	200	08W	600	24	galvanized		White	3
4 Hole-150H	LM			90 DEG	9D	2.5	25T	150	6H	300	12W	750	30	Galvanized	(G)	Blue	4
								200	8H	450	18W	900	36	Iron		Red	5
"Z" Weld	LK									600	24W			Stainless	(S4)	Beige	6
4 Hole-150H	LJ									750	30W			Steel 304		Grey	7
Inside -										800	32W						
Knock Down	LS									900	36W			Stainless	(S6)	Yellow	8
4 Hole-150H	LT									1000	40W			Steel 316			
"Z" -														HDG	(H)		
Knock Down	LD																
4 Hole-150H	LE																

CABLE LADDER - VERTICAL OUTSIDE RISER

OUTSIDE RAIL WELDING TYPE - Curve Radius

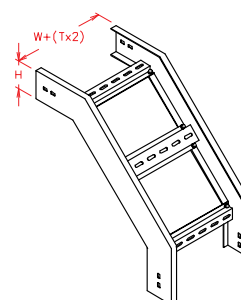
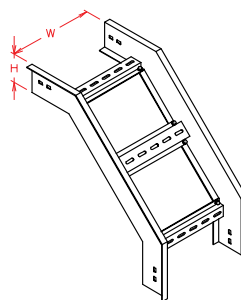
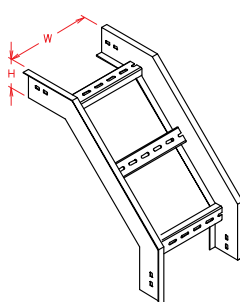
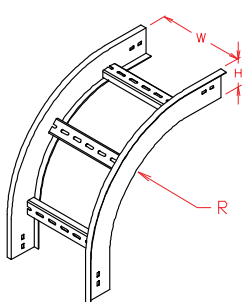


OUTSIDE RAIL WELDING TYPE - Straight Radius



INSIDE RAIL WELDING TYPE

INSIDE RAIL WELDING TYPE



"Z" RAIL WELDING TYPE

"Z" RAIL KNOCK DOWN TYPE

INSIDE RAIL KNOCK DOWN TYPE

PRODUCT CODE DESCRIPTION

CLASS	TYPE	ANGLE	THICKNESS (T)	HEIGHT (H)	WIDTH (W)	RADIUS (R)	MATERIAL & FINISHING
LN	U	9D	20T	4H	12W	12	C H
							RADIUS TYPE (RT)

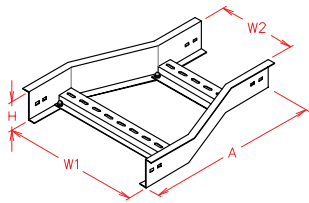
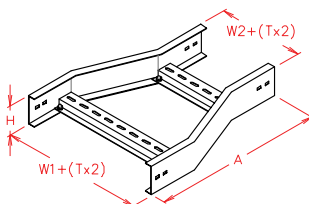
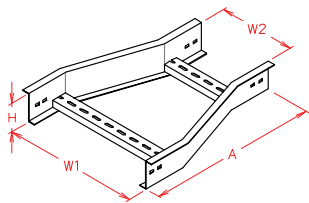
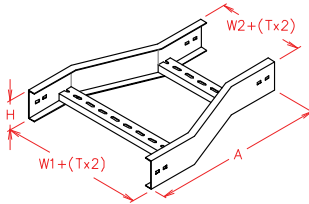
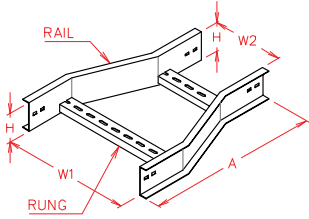
EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL OUTSIDE RISER
- CABLE LADDER INSIDE RAIL WELDING TYPE
- 2.0(T) 100(H) x 300(W) R=300 (Curve Radius)

- NOTE : 1) All dimensions are in millimeters (mm) unless notes otherwise.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) W1 & W2 need + Thickness with tolerance between Ladder Inside Rail Type.
4) HDG after fabricate.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	ANGLE CODE	(T) CODE	(H) CODE	(W) CODE	(R) CODE	MATERIAL CODE	COATING CODE
Outside Weld	LU	Outside	U	30 DEG 3D	1.5 15T	75 3H	100 04W	300 12	Epoxy (C)	Orange 1
4 Hole-150H	LV	Riser		45 DEG 4D	2.0 20T	100 4H	150 06W	450 18	Electro-galvanized (V)	Green 2
Inside Weld	LN			60 DEG 6D	2.3 23T	125 5H	200 08W	600 24	Galvanized Iron (G)	White 3
4 Hole-150H	LM			90 DEG 9D	2.5 25T	150 6H	300 12W	750 30		Blue 4
"Z" Weld	LK					200 8H	450 18W	900 36		Red 5
4 Hole-150H	LJ						600 24W		Stainless Steel 304 (S4)	Beige 6
							750 30W			
Inside - Knock Down	LS						800 32W		Stainless Steel 316 (S6)	Grey 7
4 Hole-150H	LT						900 36W		HDG (H)	Yellow 8
"Z" - Knock Down	LD						1000 40W			
4 Hole-150H	LE									

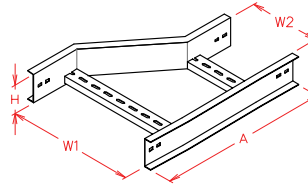
CABLE LADDER - HORIZONTAL REDUCER

STRAIGHT REDUCER

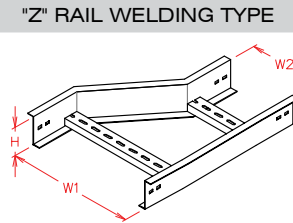
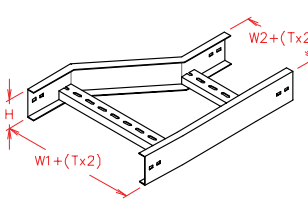


OUTSIDE RAIL WELDING TYPE

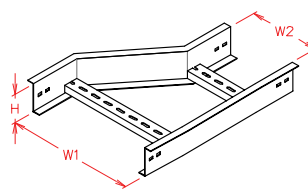
RIGHT-HAND REDUCER



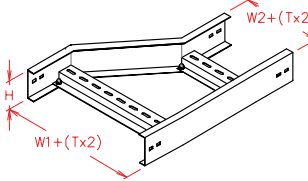
INSIDE RAIL WELDING TYPE



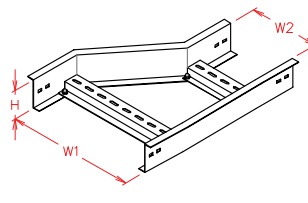
"Z" RAIL WELDING TYPE



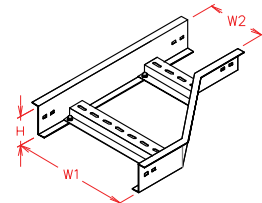
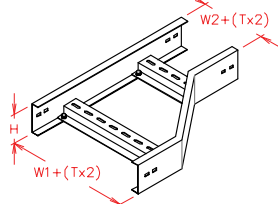
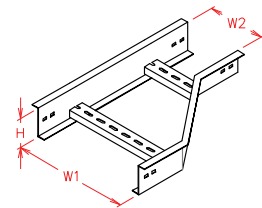
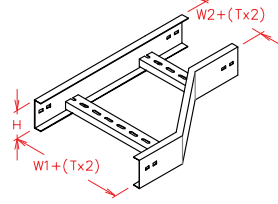
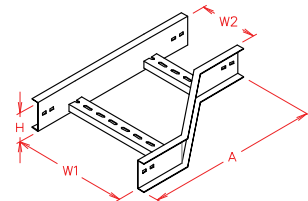
INSIDE RAIL KNOCK DOWN TYPE



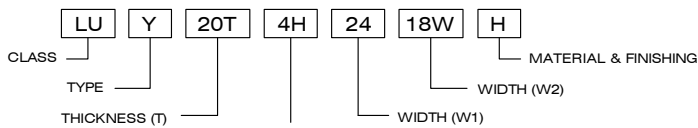
"Z" RAIL KNOCK DOWN TYPE



LEFT-HAND REDUCER



PRODUCT CODE DESCRIPTION



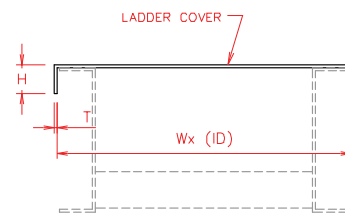
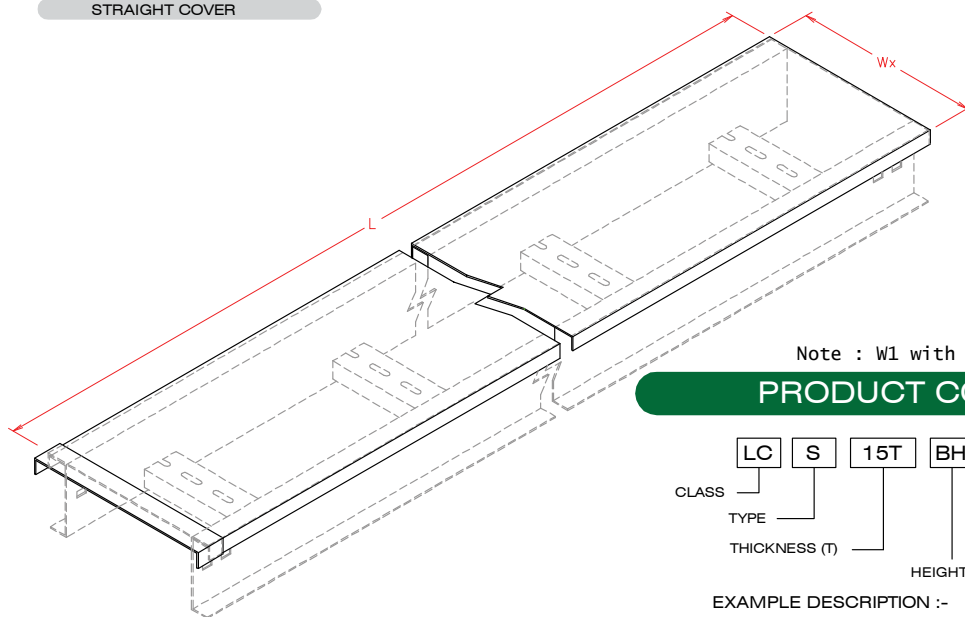
EXAMPLE DESCRIPTION : HDG - HORIZONTAL STRAIGHT REDUCER
- CABLE LADDER OUTSIDE RAIL WELDING TYPE
- 2.0(T) 100(H) x 600(W1)- 450(W2)

- NOTE : 1) A is base on Ladder Rung Spacing, exp. if 300mm Rung Spacing A = 600mm.
2) Assemble with M6x16L Truss Head Screw c/w Nut, Flat & Spring Washer.
3) All dimensions are in millimeters (mm) unless notes otherwise.
4) HDG after fabricate.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Straight Reducer	Y	1.5	15T	75	3H	100	04W	75	03W	Epoxy	(C)	Orange	1
4 Hole-150H	LV			2.0	20T	100	4H	150	06W	100	04W	Electro-galvanized	(V)	Green	2
Inside Weld	LN			2.3	23T	125	5H	200	08W	150	06W	Galvanized	(G)	White	3
4 Hole-150H	LM	Left-Hand Reducer	L	2.5	25T	150	6H	300	12W	200	08W	Galvanized	(G)	Blue	4
"Z" Weld	LK					200	8H	450	18W	300	12W	Iron		Red	5
4 Hole-150H	LJ							600	24W	450	18W				
Inside-Knock Down	LS	Right-Hand Reducer	R					750	30W	600	24W	Stainless Steel 304	(S4)	Beige	6
4 Hole-150H	LT							800	32W	750	30W			Grey	7
"Z"-Knock Down	LD							900	36W	800	32W	Stainless Steel 316	(S6)	Yellow	8
4 Hole-150H	LE							1000	40W	900	36W	HDG	(H)		

LADDER COVER - STRAIGHT & HORIZONTAL REDUCER

STRAIGHT COVER



Note : W1 with CLASS type of Ladder + 3mm clearance

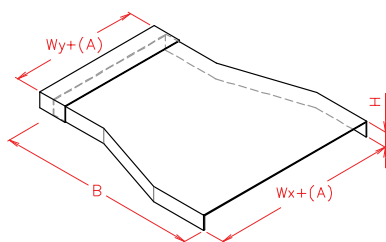
PRODUCT CODE DESCRIPTION

LC	S	15T	BH	12W	3ML	H
CLASS	TYPE	THICKNESS (T)	HEIGHT (H)	WIDTH (W)	LENGTH (L)	MATERIAL & FINISHING

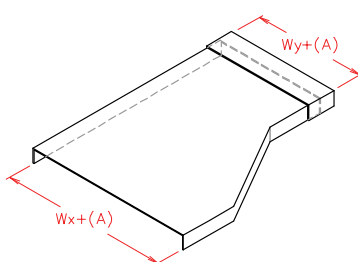
EXAMPLE DESCRIPTION :- HDG - STRAIGHT - LADDER COVER - 1.5(T) 20(H) x 300(W) x 3000(L)

LADDER COVER - HORIZONTAL REDUCER

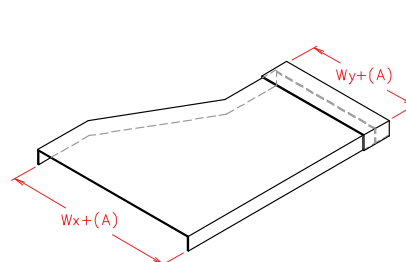
STRAIGHT REDUCER



LEFT-HAND REDUCER



RIGHT-HAND REDUCER



PRODUCT CODE DESCRIPTION

LC	Y	15T	BH	12	06W	H
CLASS	TYPE	THICKNESS (T)	HEIGHT (H)	WIDTH (W1)	WIDTH (W2)	MATERIAL & FINISHING

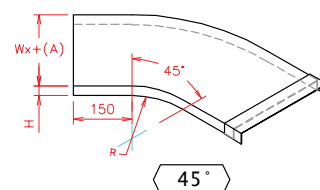
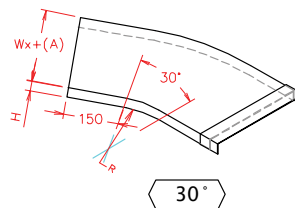
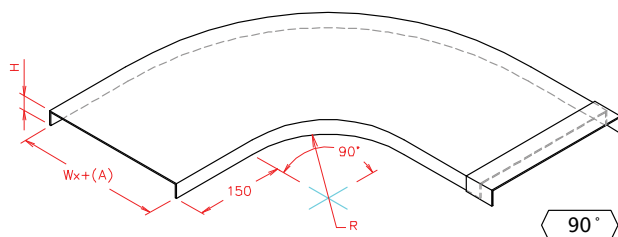
EXAMPLE DESCRIPTION : HDG - HORIZONTAL STRAIGHT REDUCER
- CABLE LADDER COVER
- 1.5(T) 20(H) x 300(W1)-150(W2)

- Note : 1) Wx & Wy = +3mm tolerance & (A) addition; dimension width to fit Hold Down Clamp.
2) Wx & Wy is measure INNER DIMENSION (ID).
3) B is base on Ladder Rung Spacing, exp. if 300mm Rung Spacing, B = 600mm.
4) Wx & Wy is measure INNER DIMENSION.
5) All dimensions are in millimeters (mm) unless notes otherwise.
6) HDG after fabricate.
7) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Ladder Cover	LC	Straight	S	1.0	10T	20	BH	100	04W	75	03W	1500	5F	Epoxy	(C)	Orange	1
				1.2	12T			150	06W	100	04W	2438	8F	Electro-galvanized	(V)	Green	2
			Y	1.5	15T			200	08W	150	06W	3000	3M	Galvanized Iron	(G)	White	3
				2.0	20T			300	12W	200	08W					Blue	4
		Left-Hand Reducer	L	450	18W			450	18W	300	12W					Red	5
				600	24W			600	24W	450	18W					Beige	6
				750	30W			750	30W	600	24W					Grey	7
				800	32W			800	32W	750	30W					Yellow	8
		Right-Hand Reducer	R	900	36W			900	36W	800	32W						
				1000	40W			1000	40W	900	36W						

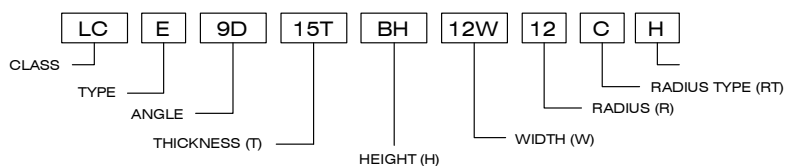
LADDER COVER - HORIZONTAL FLAT ELBOW & TEE

HORIZONTAL FLAT ELBOW

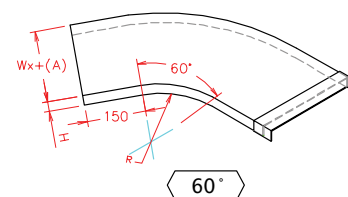


note : (x) additional width to fit Cable Ladder with 2mm clearance

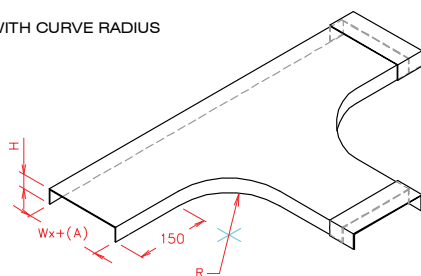
PRODUCT CODE DESCRIPTION



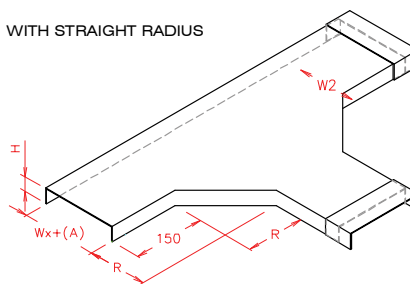
EXAMPLE DESCRIPTION : HDG - 90 DEG HORIZONTAL FLAT ELBOW - CABLE LADDER COVER
- 1.5(T) 20(H) x 300(W) R=300 (Curve Radius)



WITH CURVE RADIUS

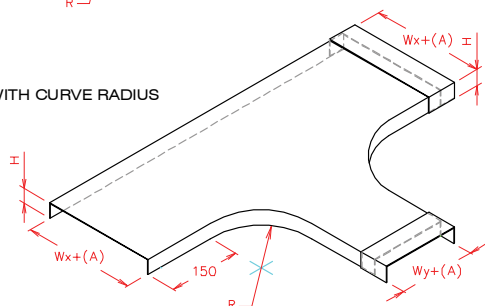


WITH STRAIGHT RADIUS

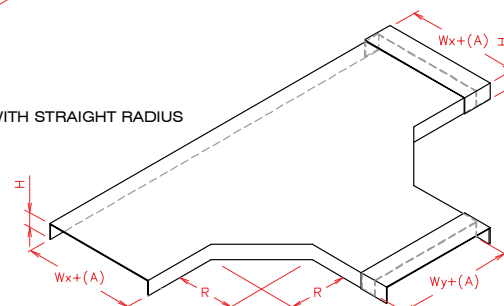


HORIZONTAL TEE

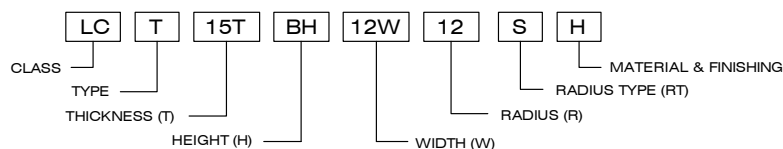
WITH CURVE RADIUS



WITH STRAIGHT RADIUS



PRODUCT CODE DESCRIPTION



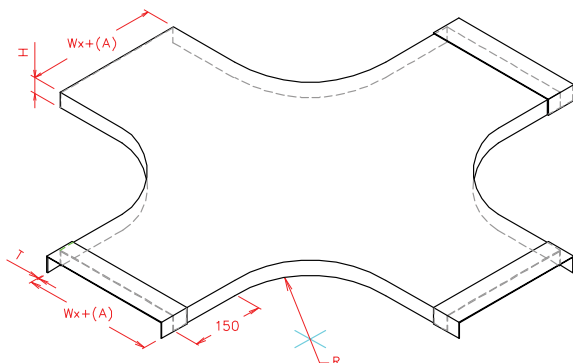
- Note : 1) Wx & Wy = +3mm tolerance & (A) additional dimension width to fit Hold Down Clamp.
2) Wx & Wy is measure INNER DIMENSION (ID).
3) All dimensions are in millimeters (mm) unless notes otherwise.
4) HDG after fabricate.
5) Other sizes are available upon request.

EXAMPLE DESCRIPTION : HDG - HORIZONTAL EQUAL TEE - CABLE LADDER COVER
- 1.5(T) 20(H) x 300(W) R=300 (Straight Radius)

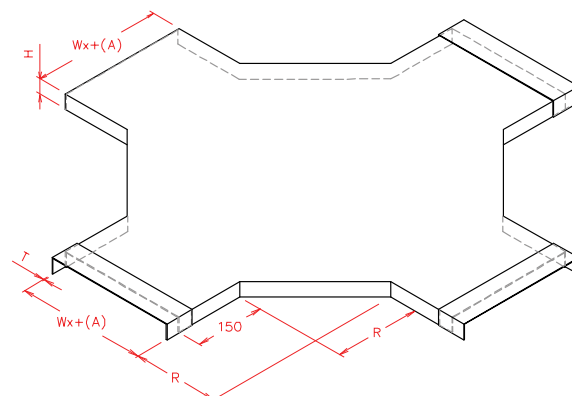
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Ladder Cover	LC	Elbow	E	1.0	10T	20	BH	100	04W	75	03W	300	12	Epoxy	(C)	Orange	1
				1.2	12T			150	06W	100	04W	450	18	Electro-galvanized	(V)	Green	2
		Equal Tee	T	1.5	15T			200	08W	150	06W	600	24	Galvanized Iron	(G)	White	3
				2.0	20T			300	12W	200	08W	750	30			Blue	4
		Unequal Tee	Q					450	18W	300	12W	900	36			Red	5
								600	24W	450	18W	1000	40			Beige	6
								750	30W	600	24W			Stainless Steel 304	(S4)	Grey	7
								800	32W	750	30W			Stainless Steel 316	(S6)	Yellow	8
								900	36W	800	32W						
								1000	40W	900	36W						
												(RT)	CODE				
												curve	C				
												straight	S				
														HDG	(H)		

LADDER COVER - HORIZONTAL CROSS

WITH CURVE RADIUS

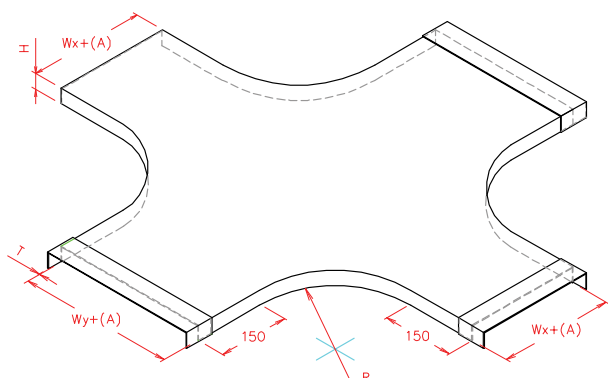


WITH STRAIGHT RADIUS

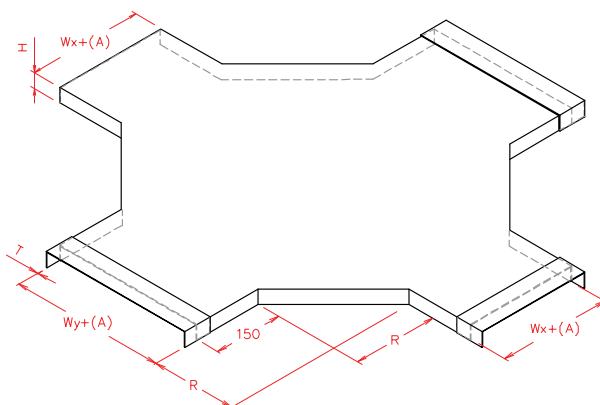


LADDER COVER - HORIZONTAL UNEQUAL CROSS

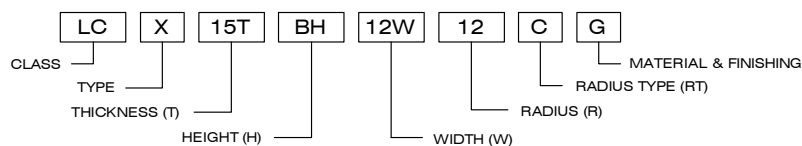
WITH CURVE RADIUS



WITH STRAIGHT RADIUS



PRODUCT CODE DESCRIPTION



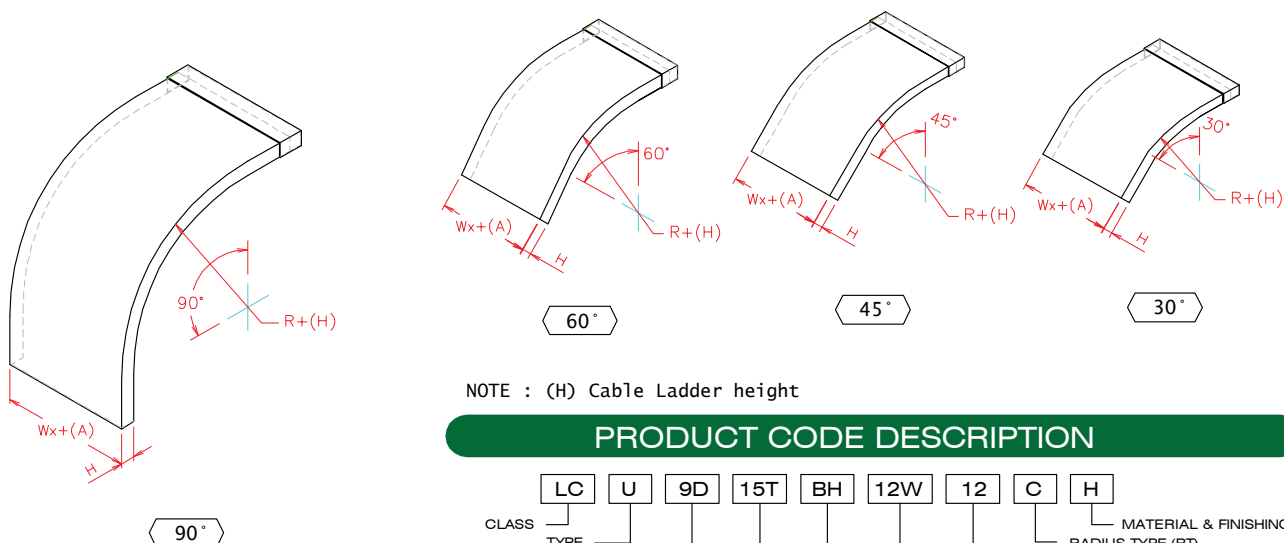
- Note :
- 1) W_x & $W_y = +3\text{mm}$ tolerance & (A) additional dimension width to fit Hold Down Clamp.
 - 2) W_x & W_y is measure INNER DIMENSION (ID).
 - 3) All dimensions are in millimeters (mm) unless notes otherwise.
 - 4) HDG after fabricate.
 - 5) Other sizes are available upon request.

EXAMPLE DESCRIPTION : GALVANIZED IRON - HORIZONTAL EQUAL CROSS - CABLE LADDER COVER
- 1.5(T) 20(H) x 300(W) R=300 (Curve Radius)

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE	
Ladder Cover	LC	Equal Cross	X	1.0	10T	20	BH	100	04W	75	03W	300	12	Epoxy	(C)	Orange	1
				1.2	12T			150	06W	100	04W	450	18	Electro-galvanized	(V)	Green	2
				1.5	15T			200	08W	150	06W	600	24			White	3
		Unequal Cross	C	2.0	20T			300	12W	200	08W	750	30	Galvanized Iron	(G)	Blue	4
								450	18W	300	12W	900	36			Red	5
								600	24W	450	18W	1000	40			Beige	6
								750	30W	600	24W			Stainless Steel 304	(S4)	Grey	7
								800	32W	750	30W	(RT)	CODE	Stainless Steel 316	(S6)	Yellow	8
								900	36W	800	32W						
								1000	40W	900	36W					HDG	(H)
											curve	C					
											straight	S					

LADDER COVER - VERTICAL RISER

OUTSIDE RISER COVER - Curve Radius



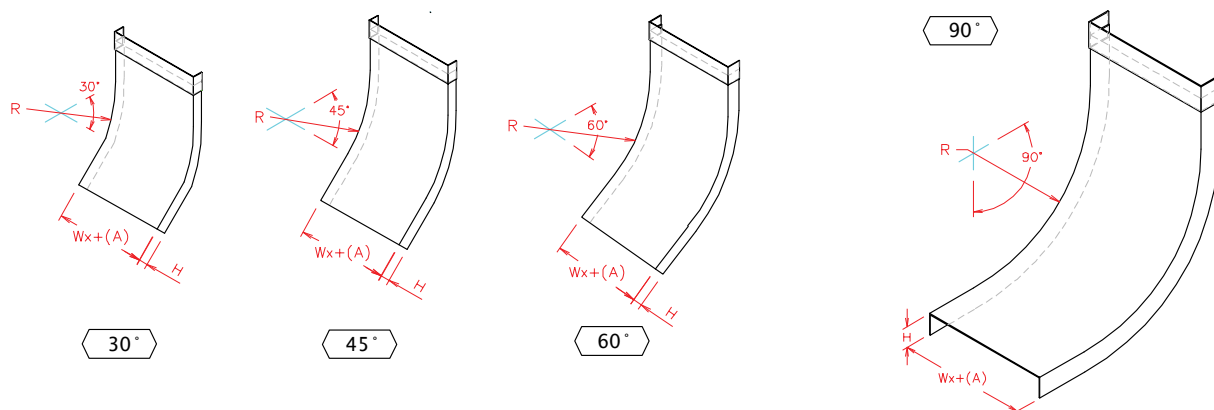
NOTE : (H) Cable Ladder height

PRODUCT CODE DESCRIPTION

CLASS	LC	U	9D	15T	BH	12W	12	C	H	MATERIAL & FINISHING
TYPE										
ANGLE										
THICKNESS (T)										
HEIGHT (H)										
WIDTH (W)										

EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL OUTSIDE RISER - CABLE LADDER COVER
- 1.5(T) 20(H) x 300(W) R=300 (Curve Radius)

INSIDE RISER COVER - Curve Radius



PRODUCT CODE DESCRIPTION

LC	N	9D	15T	BH	12W	12	C	H	MATERIAL & FINISHING
CLASS	TYPE	ANGLE	THICKNESS (T)	HEIGHT (H)	WIDTH (W)	RADIUS (R)	RADIUS TYPE (RT)		

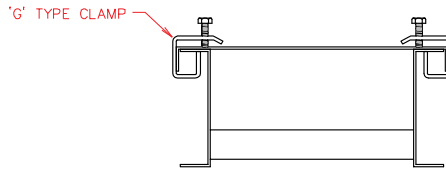
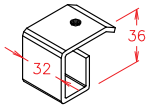
- Note : 1) Wx = +3mm tolerance & (A) additional dimension width to fit Hold Down Clamp.
2) Wx is measure INNER DIMENSION (ID).
3) All dimensions are in millimeters (mm) unless notes otherwise.
4) HDG after fabricate.
5) Other sizes are available upon request.

EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL INSIDE RISER - CABLE LADDER COVER
- 1.5(T) 20(H) x 300(W) R=300R (Curve Radius)

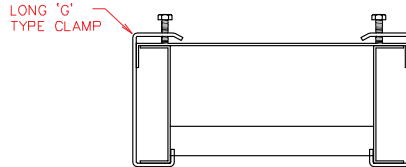
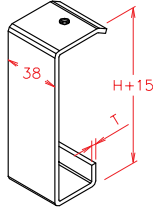
CLASS	CODE	TYPE	CODE	ANGLE CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING CODE
Ladder Cover	LC	Inside Riser	N	30 DEG 3D	1.5	15T	75	3H	100	04W	300	12	Epoxy	(C)	Orange 1
				45 DEG 4D	2.0	20T	100	4H	150	06W	450	18	Electro-galvanized	(V)	Green 2
				60 DEG 6D	2.3	23T	125	5H	200	08W	600	24			White 3
		Outside Riser	U	90 DEG 9D	2.5	25T	150	6H	300	12W	750	30	Galvanized Iron	(G)	Blue 4
							200	8H	450	18W	900	36			Red 5
							600	24W					Stainless Steel 304	(S4)	Beige 6
							750	30W							Grey 7
							800	32W					Stainless Steel 316	(S6)	Yellow 8
							900	36W							
							1000	40W							
													(RT) CODE		
													curve C		
													straight S		
													HDG	(H)	

LADDER COVER - ACCESSORIES

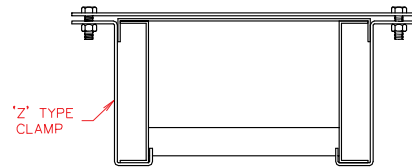
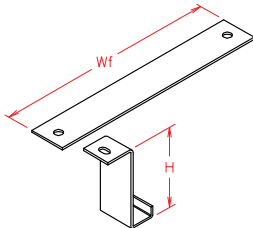
"G" TYPE CLAMP



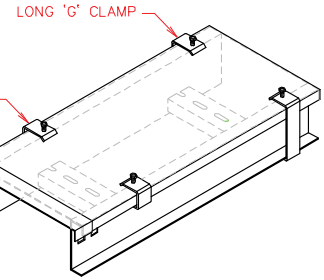
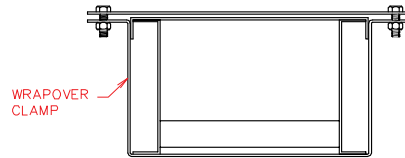
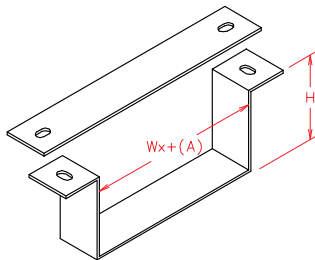
LONG "G" TYPE CLAMP



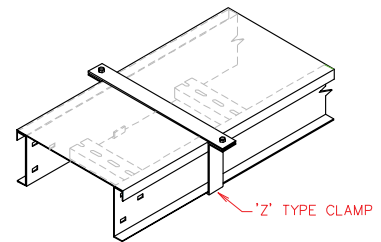
"Z" TYPE CLAMP



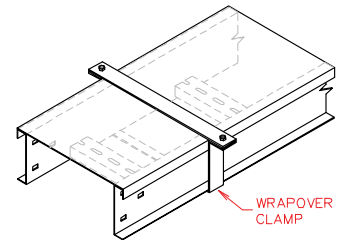
WRAPOVER CLAMP



CABLE LADDER C/W COVER, CLAMP & FASTENER



CABLE LADDER C/W COVER, CLAMP & FASTENER



CABLE LADDER C/W COVER, CLAMP & FASTENER

PRODUCT CODE DESCRIPTION

CLASS **LGC** THICKNESS (T) **25T** MATERIAL & FINISHING **H**

EXAMPLE DESCRIPTION : HDG - "G" TYPE CLAMP 2.5(T)

CLASS **LZC** THICKNESS (T) **20T** HEIGHT (H) **6H** WIDTH (W) **12W** MATERIAL & FINISHING **H**

HDG - "Z" TYPE CLAMP - 2.0(T) 150(H) X 300(W)

CLASS **LLGC** THICKNESS (T) **25T** HEIGHT (H) **6H** MATERIAL & FINISHING **H**

EXAMPLE DESCRIPTION : HDG - LONG "G" TYPE CLAMP - 2.5(T) 150(H)

CLASS **LWC** THICKNESS (T) **20H** HEIGHT (H) **6H** WIDTH (W) **12W** MATERIAL & FINISHING **H**

HDG - WRAPOVER TYPE COVER CLAMP - 2.0(T) 150(H) X 300(W)

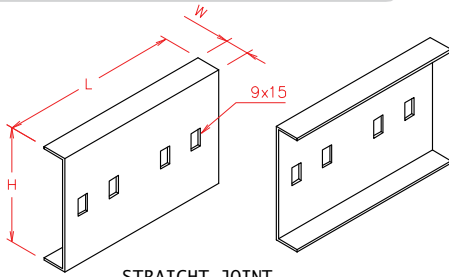
CLASS	CODE	(T)	CODE	(H)	CODE	(W)	CODE	MATERIAL	CODE	COATING	CODE
"G" Clamp	LGC	1.5	15T	75	3H	100	04W	Epoxy	(C)	Orange	1
		2.0	20T	100	4H	150	06W	Electro-galvanized	(V)	Green	2
Long "G" Clamp	LLGC	2.3	23T	125	5H	200	08W	Galvanized Iron	(G)	White	3
		2.5	25T	150	6H	300	12W			Blue	4
				200	8H	450	18W			Red	5
'Z' Type Clamp	LZC					600	24W	Stainless Steel 304	(S4)	Beige	6
						750	30W			Grey	7
						800	32W	Stainless Steel 316	(S6)	Yellow	8
Wrapover Clamp	LWC					900	36W				
						1000	40W	HDG	(H)		

Note :

- 1) Wx = Cover Width & (A) additional dimension width to fit
- 2) Wf = Cover Width + additional flange clamp.
- 3) Hardware is included.
- 4) All dimensions are in millimeters (mm) unless notes otherwise.
- 5) HDG after fabricate.
- 6) Other sizes are available upon request.

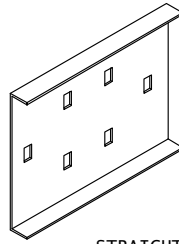
LADDER ACCESSORIES

STRAIGHT JOINT



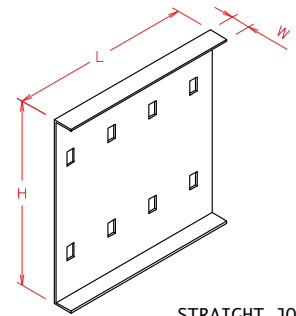
STRAIGHT JOINT

Ladder (H)	W	H	L
H=75	20	69	150
H=100	20	94	150



STRAIGHT JOINT

Ladder (H)	W	H	L
H=125	20	119	190
H=150	20	144	190



STRAIGHT JOINT

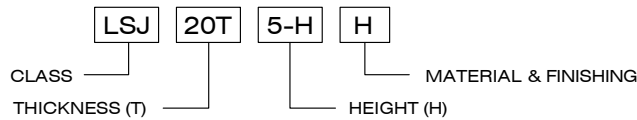
Ladder (H)	W	H	L
H=150	20	144	190
H=200	20	194	190

- NOTE : 1) Hardware quantity, depend on holes requirement.
1 set include 1M8 Carriage Bolt, 1 Nut, 1 Spring & 1M10 Flat Washer
2) Straight Joint (H) are designed for INNER RAIL use only

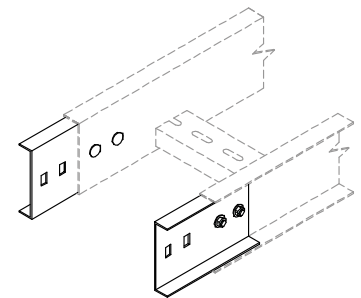
Fastener



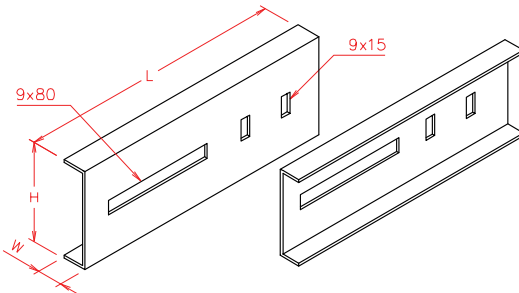
PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - STRAIGHT JOINT - CABLE LADDER (125H) - 2.0(T) 119(H) x 190(L)

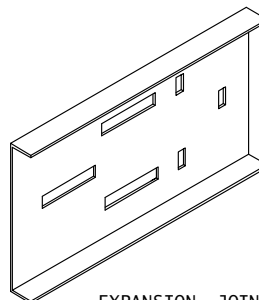


EXPANSION JOINT



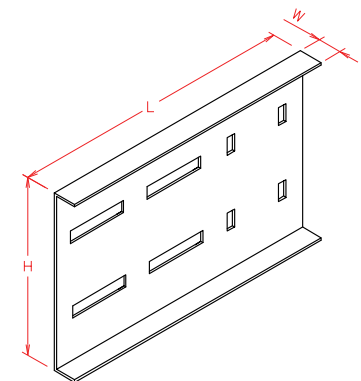
EXPANSION JOINT

Ladder (H)	W	H	L
H=75	20	69	190
H=100	20	94	190



EXPANSION JOINT

Ladder (H)	W	H	L
H=125	20	119	230
H=150	20	144	230



EXPANSION JOINT

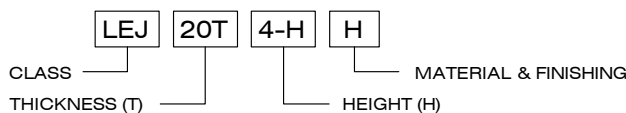
Ladder (H)	W	H	L
H=150	20	144	230
H=200	20	194	230

- NOTE : 1) Hardware quantity, depend on holes requirement.
1 set include 1M8 Carriage Bolt, 1 Nut, 1 Spring & 1M10 Flat Washer
2) Expansion Joint (H) are designed for INNER RAIL use only

Fastener

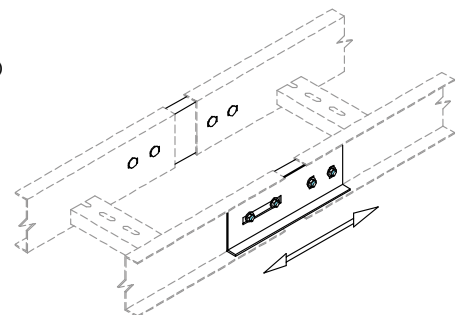


PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - EXPANSION JOINT - CABLE LADDER (100H) - 2.0(T) 94(H) x 150(L)

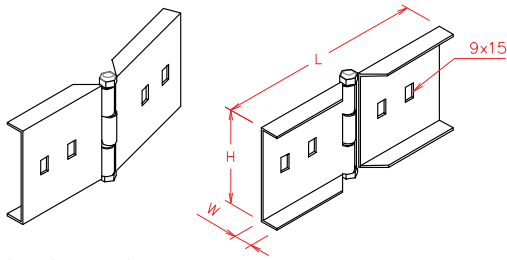
CLASS	CODE	(T)	CODE	(H)	CODE	MATERIAL	CODE	COATING CODE
Straight Joint	LSJ	1.5	15T	75	3-H	Epoxy	(C)	Orange 1
Straight Joint		2.0	20T	100	4-H	Electro-galvanized	(V)	Green 2
4 Hole-150H	LSJV	2.3	23T	125	5-H			White 3
Expansion Joint	LEJ	2.5	25T	150	6-H	Galvanized Iron	(G)	Blue 4
Expansion Joint				200	8-H			Red 5
Expansion Joint						Stainless Steel 304	(S4)	Beige 6
Expansion Joint						Steel 316	(S6)	Grey 7
Expansion Joint						HDG	(H)	Yellow 8



* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

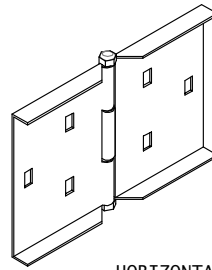
LADDER ACCESSORIES

HORIZONTAL ADJUSTABLE JOINT



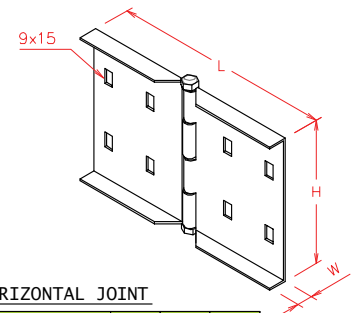
HORIZONTAL JOINT

Ladder (H)	W	H	L
H=75	20	69	210
H=100	20	94	210



HORIZONTAL JOINT

Ladder (H)	W	H	L
H=125	20	119	210
H=150	20	144	210

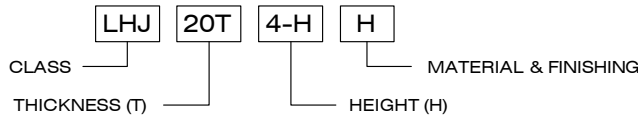


HORIZONTAL JOINT

Ladder (H)	W	H	L
H=150	20	144	210
H=200	20	194	210

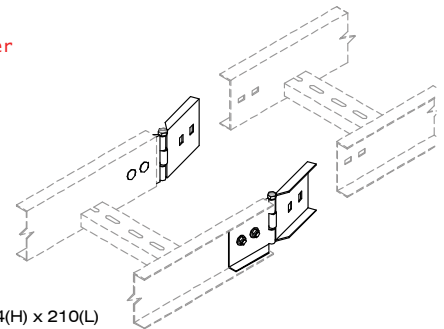
- NOTE : 1) Hardware quantity, depend on holes requirement.
1 set include 1M8 Carriage Bolt, 1 Nut, 1 Spring & 1M10 Flat Washer
2) Horizontal Joint (H) are designed for INNER RAIL use only

PRODUCT CODE DESCRIPTION

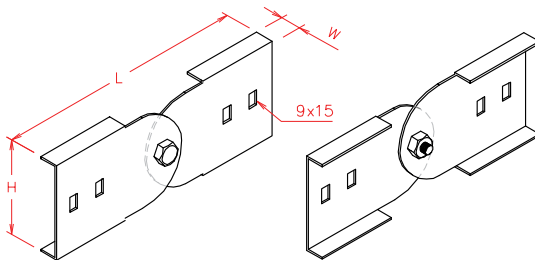


EXAMPLE DESCRIPTION : HDG- HORIZONTAL ADJUSTABLE JOINT - CABLE LADDER (100H) - 2.0(T) 94(H) x 210(L)

Fastener

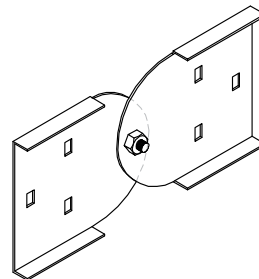


VERTICAL ADJUSTABLE JOINT



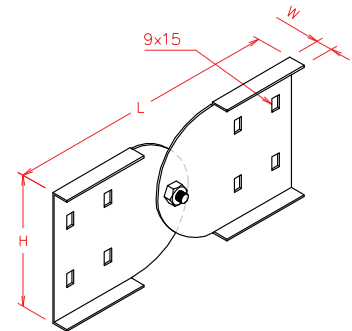
VERTICAL JOINT

Ladder (H)	W	H	L
H=75	20	69	264
H=100	20	94	264



VERTICAL JOINT

Ladder (H)	W	H	L
H=125	20	119	300
H=150	20	144	300

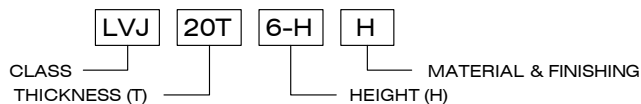


VERTICAL JOINT

Ladder (H)	W	H	L
H=150	20	144	300
H=200	20	194	340

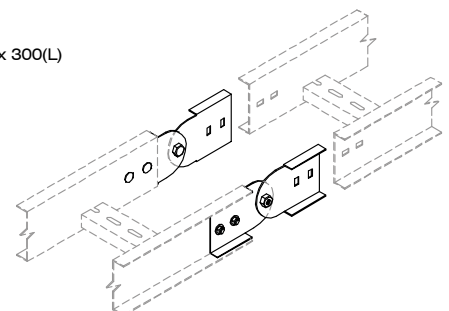
- NOTE : 1) Hardware quantity, depend on holes requirement.
1 set include 1M8 Carriage Bolt, 1 Nut, 1 Spring & 1M10 Flat Washer
2) Vertical Joint (H) are designed for INNER RAIL use only

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - VERTICAL ADJUSTABLE JOINT - CABLE LADDER (150H) - 2.0(T) 144(H) x 300(L)

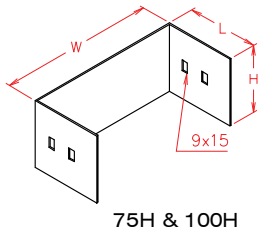
CLASS	CODE	(T)	CODE	(H)	CODE	MATERIAL	CODE	COATING CODE
Horizontal Joint	LHJ	1.5	15T	75	3-H	Epoxy	(C)	Orange 1
Horizontal Joint		2.0	20T	100	4-H	Electro-	(V)	Green 2
Horizontal Joint		2.3	23T	125	5-H	galvanized		White 3
Horizontal Joint	LHJV	2.5	25T	150	6-H	Galvanized	(G)	Blue 4
Vertical Joint	LVJ			200	8-H	Iron		Red 5
Vertical Joint						Stainless	(S4)	Beige 6
Vertical Joint						Steel 304		Grey 7
Vertical Joint	LVJV					Steel 316	(S6)	Yellow 8
						HDG	(H)	



* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

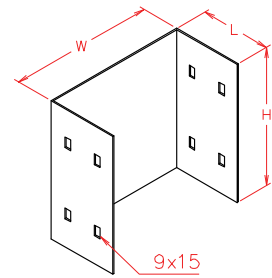
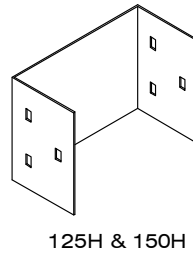
LADDER ACCESSORIES

END PLATE



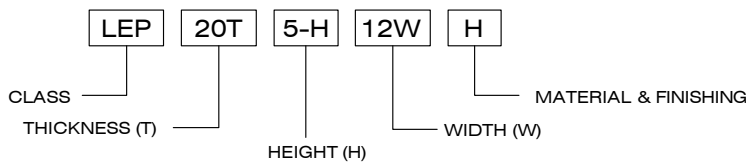
END PLATE

Ladder Height	W	H	L
75H	to fit Cable Ladder Width with 2mm clearance	69	100
100H		94	
125H		119	
150H		144	
200H		194	



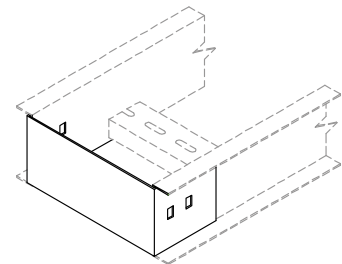
- NOTE : 1) Hardware quantity, depend on holes requirement.
1 set include 1M8 Carriage Bolt, 1 Nut, 1 Spring & 1M10 Flat Washer
2) End Plate (H) are designed for All CLASS Ladder use.

PRODUCT CODE DESCRIPTION

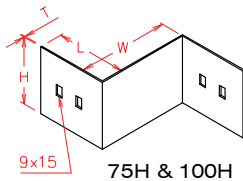


EXAMPLE DESCRIPTION : HDG - END PLATE - CABLE LADDER (125H) - 2.0(T) 119(H) x 300(W)

Fastener

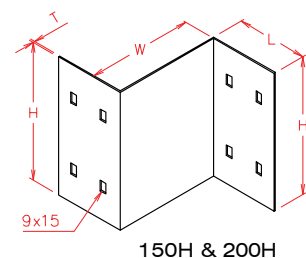
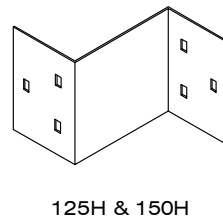


REDUCER PLATE



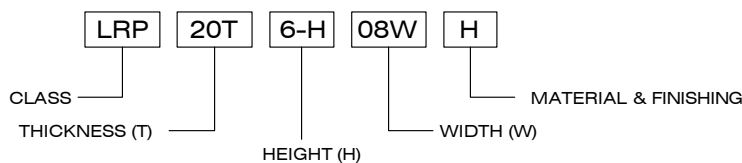
REDUCER PLATE

Ladder Height	W	H	L
75H	to fit Cable Ladder Width	69	100
100H		94	
125H		119	
150H		144	
200H		194	



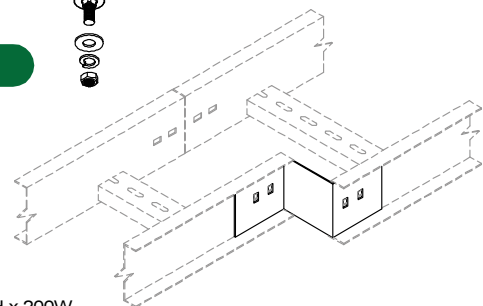
- NOTE : 1) Hardware quantity, depend on holes requirement.
1 set include 1M8 Carriage Bolt, 1 Nut, 1 Spring & 1M10 Flat Washer
2) Reducer Plate (H) are designed for All CLASS Ladder use.

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - REDUCER PLATE - CABLE LADDER (150H) - 2.0T 144H x 200W

Fastener

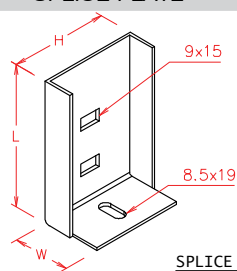


CLASS	CODE	(T)	CODE	(H)	CODE	(W)	CODE	MATERIAL	CODE	COATING	CODE
End Plate	LEP	1.5	15T	75	3-H	100	04W	Epoxy	(C)	Orange	1
End Plate 4 Hole-150H	LEPV	2.0	20T	100	4-H	150	06W	Electro-galvanized	(V)	Green	2
Reducer Plate	LRP	2.3	23T	125	5-H	200	08W	Galvanized Iron	(G)	White	3
Reducer Plate 4 Hole-150H	LRPV	2.5	25T	150	6-H	300	12W	Galvanized Iron	(G)	Blue	4
				200	8-H	450	18W			Red	5
						600	24W	Stainless Steel 304	(S4)	Beige	6
						750	30W	Stainless Steel 316	(S6)	Grey	7
						800	32W			Yellow	8
						900	36W				
						1000	40W	HDG	(H)		

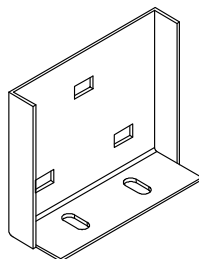
* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

LADDER ACCESSORIES

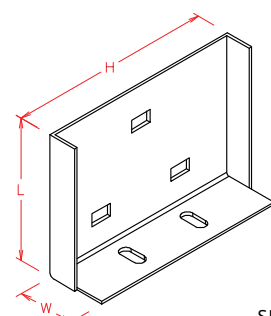
SPLICE PLATE



Ladder (H)	W	H	L
H=75	40	69	100
H=100	40	94	100

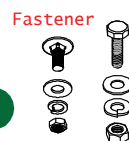


Ladder (H)	W	H	L
H=125	40	119	100
H=150	40	144	100

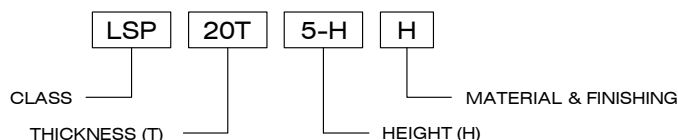


Ladder (H)	W	H	L
H=150	40	144	100
H=200	40	194	100

- NOTE : 1) Hardware quantity, depend on holes requirement.
 H=75~H=100 (2 sets/pc) + M6 Hex Bolt fastener
 & H=125~H=200 (4 sets/pc) + M6 Hex Bolt Fastener
 2) Splice Plate (H) are designed for INNER RAIL use only

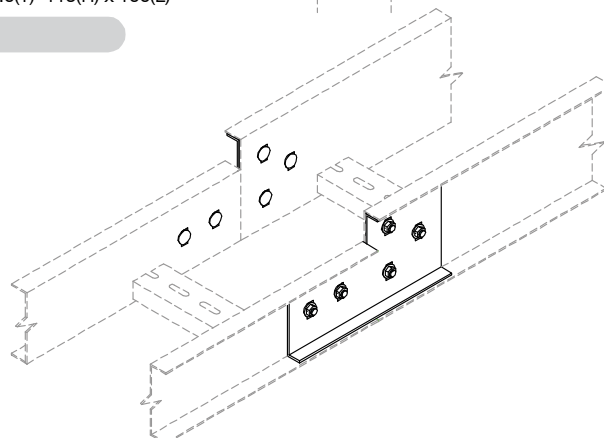
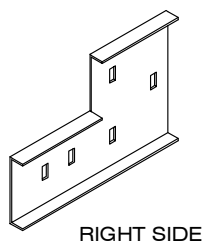
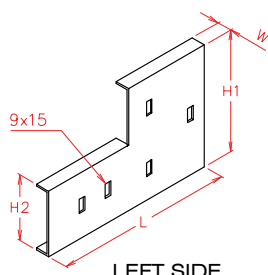


PRODUCT CODE DESCRIPTION



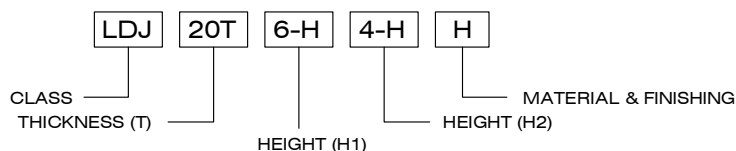
EXAMPLE DESCRIPTION : HDG - SPLICE PLATE - CABLE LADDER (125H) - 2.0(T) 119(H) x 100(L)

STEP DOWN JOINT



- NOTE : 1) Hardware quantity, depend on holes requirement.
 H=75~H=100 (2 sets/pc) + M6 Hex Bolt fastener
 & H=125~H=200 (4 sets/pc) + M6 Hex Bolt Fastener
 2) Splice Plate (H) are designed for INNER RAIL use only

PRODUCT CODE DESCRIPTION



Ladder (H)	W	H1	H2	L
H=200~150	20	194	144	190
H=200~125		194	119	
H=200~100		194	94	
H=150~125		144	119	
H=150~100		144	94	
H=125~100		119	94	

EXAMPLE DESCRIPTION : HDG - STEP DOWN JOINT - CABLE LADDER (150H) - 2.0T 144/94H x 190L

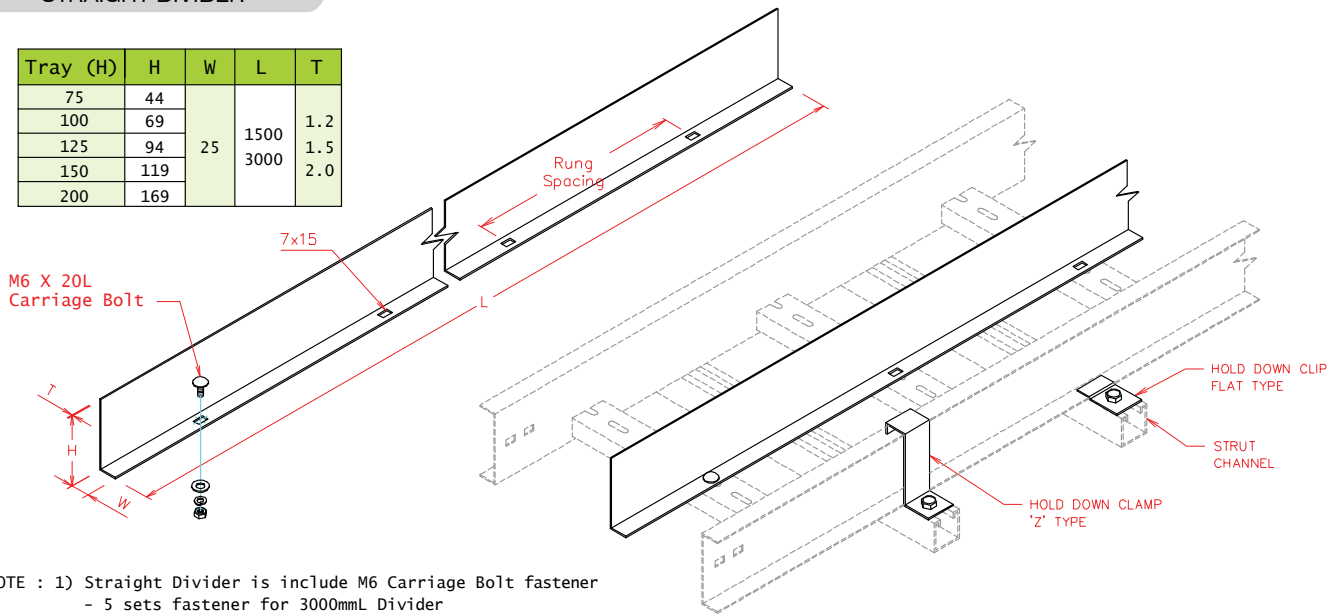
CLASS	CODE	(T)	CODE	(H1)	CODE	(H2)	CODE	MATERIAL	CODE	COATING	CODE
Splice Plate	LSP	1.5	15T	100	4H	75	3H	Epoxy	(C)	Orange	1
Splice Plate 4 Hole-150H	LSPV	2.0	20T	125	5H	100	4H	Electro-galvanized	(V)	Green	2
Step Down Joint	LDJ	2.3	23T	150	6H	125	5H	Galvanized Iron	(G)	White	3
Step Down Joint 4 Hole-150H	LDJV	2.5	25T	200	8H	150	6H	Galvanized Iron	(G)	Blue	4
								Stainless Steel 304	(S4)	Red	5
								Stainless Steel 316	(S6)	Beige	6
								HDG	(H)	Grey	7
										Yellow	8

* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

LADDER ACCESSORIES

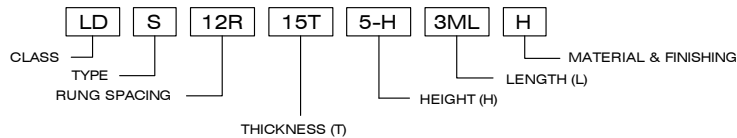
STRAIGHT DIVIDER

Tray (H)	H	W	L	T
75	44	25	1500	1.2
100	69		3000	1.5
125	94			2.0
150	119			
200	169			



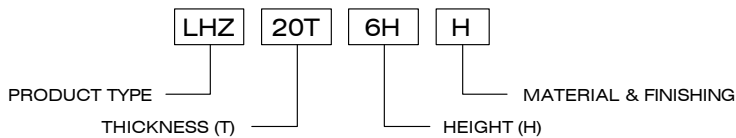
NOTE : 1) Straight Divider is include M6 Carriage Bolt fastener
- 5 sets fastener for 3000mmL Divider
2) Bend & Riser divider are available.

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - CABLE LADDER (125H) WITH 300mm RUNG SPACING - STRAIGHT DIVIDER - 1.5(T) 94(H) x 3000(L)

HOLD DOWN CLAMP "Z" TYPE

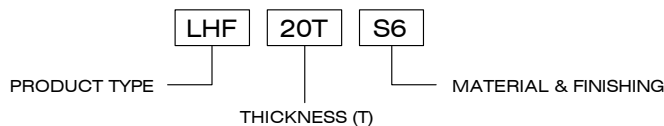


EXAMPLE DESCRIPTION : HDG - CABLE LADDER (150H) - HOLD DOWN CLAMP "Z" TYPE - 2.0(T) 150(H) x 40(W) x 40(L)

HOLD DOWN CLAMP 'Z' TYPE

HOLD DOWN CLAMP 'Z' TYPE	W	L
	40	31

HOLD DOWN CLAMP FLAT TYPE



EXAMPLE DESCRIPTION : SS316 - CABLE LADDER - HOLD DOWN CLAMP FLAT TYPE - 2.0T 38(W) x 37(L)

HOLD DOWN CLIP FLAT TYPE

HOLD DOWN CLIP FLAT TYPE	W	L
	40	67

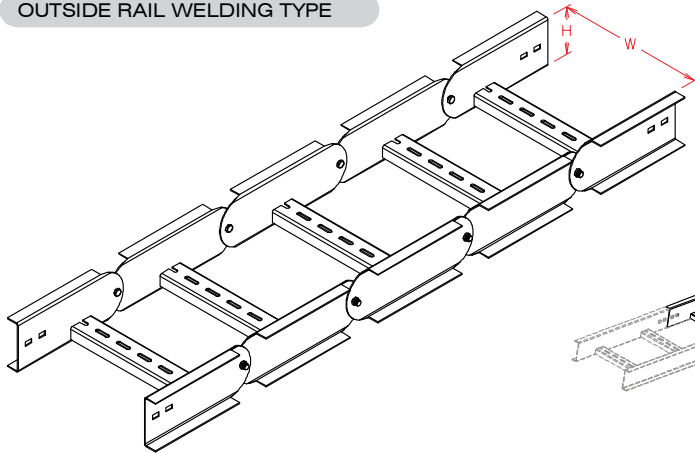
CLASS	CODE	TYPE	CODE	RUNG	CODE	(T)	CODE	(H)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Ladder Divider	LD	Straight	S	200	08R	1.5	15T	75	3H	1500	5F	Epoxy	(C)	Orange	1
				230	09R	2.0	20T	100	4H	3000	3M	Electro-galvanized	(V)	Green	2
				250	10R	2.5	25T	125	5H			Galvanized Iron	(G)	White	3
				300	12R	3.0	30T	150	6H			Stainless Steel 304	(S4)	Blue	4
								200	8H			Stainless Steel 316	(S6)	Red	5
		Hold Down Clamp 'Z' Type	LHZ											Beige	6
														Grey	7
														Yellow	8
		Hold Down Clamp Flat Type	LHF												
												HDG	(H)		

* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

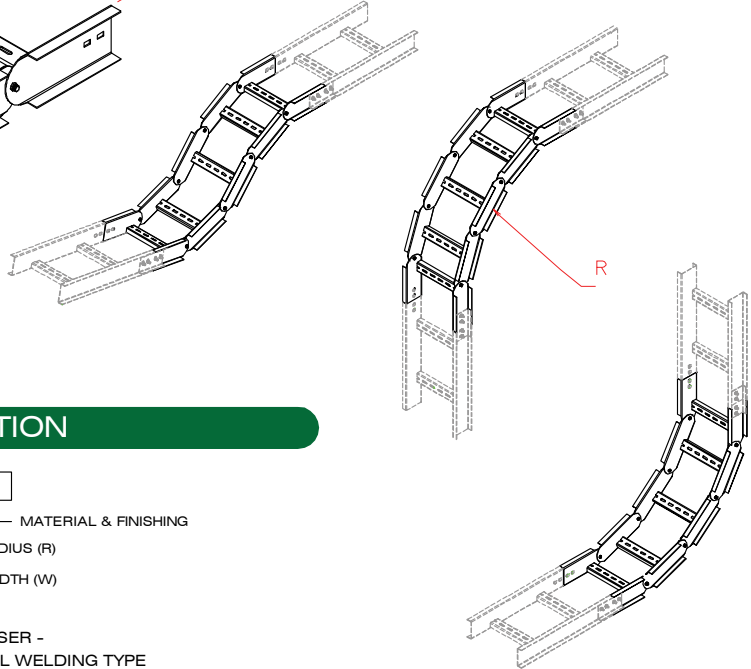
LADDER ACCESSORIES

VERTICAL FLEXIBLE RISER CABLE LADDER

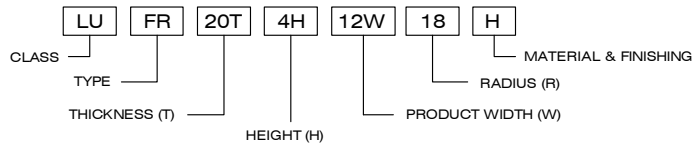
OUTSIDE RAIL WELDING TYPE



EXAMPLE OF COMBINATION



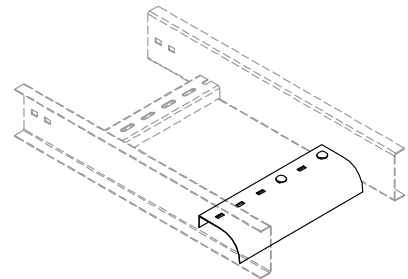
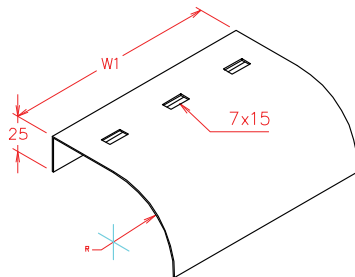
PRODUCT CODE DESCRIPTION



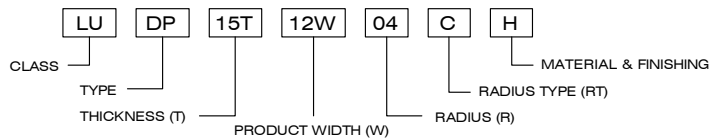
EXAMPLE DESCRIPTION : HDG - VERTICAL FLEXIBLE RISER -
CABLE LADDER OUTSIDE RAIL WELDING TYPE
- 2.0(T) 100(H) x 300(W) R=450

DROP OUT PLACE CABLE LADDER

EXAMPLE OF COMBINATION



PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - DROP OUT PLATE FOR CABLE LADDER
- 2.0(T) 300(W) R=100 (Curve Radius)

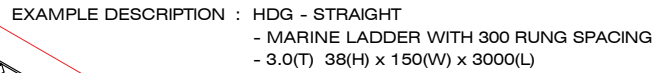
- Note : 1) W1 = -5mm from actual Width.
2) Hardware quantity, depend on hole requirement. 1 set include 1M6 Carriage Bolt, 1 Nut, 1 Spring & 1M8 Flat Washer.
3) All dimensions are in millimeters (mm) unless notes otherwise.
4) HDG after fabricate.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Outside Weld	LU	Flexible Riser	FR	1.5	15T	75	3H	100	04W	300	12	Epoxy	(C)	Orange	1
4 Hole-150H	LV			2.0	20T	100	4H	150	06W	450	18	Electro-galvanized	(V)	Green	2
Inside Weld	LN	Drop Out	DP	2.3	23T	125	5H	200	08W	600	24	Galvanized Iron	(G)	White	3
4 Hole-150H	LM			2.5	25T	150	6H	300	12W	750	30			Blue	4
"Z" Weld	LK					200	8H	450	18W	900	36			Red	5
4 Hole-150H	LJ							600	24W			Stainless Steel 304	(S4)	Beige	6
Inside -								750	30W					Grey	7
Knock Down	LS							800	32W			Stainless Steel 316	(S6)	Yellow	8
4 Hole-150H	LE							900	36W						
"Z" -								1000	40W						
Knock Down	LD														
4 Hole-150H	LE														

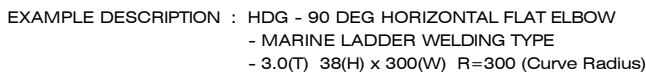
(RT) CODE
curve C
straight S

The diagram illustrates a PRG (Programmable Read-Only Memory) structure. It shows a series of rungs (horizontal bars) connected by vertical lines. The rungs are labeled with '0's and '1's, representing the stored data. The diagram includes dimensions: 'L' for the length of the rungs, 'W' for the width of the rungs, and 'H' for the height of the rungs. A red arrow points to the rungs with the label 'RUNG SPACING'. A green box labeled 'PR' is in the top right corner. A legend in the top right corner defines the symbols: 'LM' for CLASS, 'S' for TYPE, and 'RU' for RUNG. An example of a rung is shown below the legend, labeled 'EXAMPLE'.

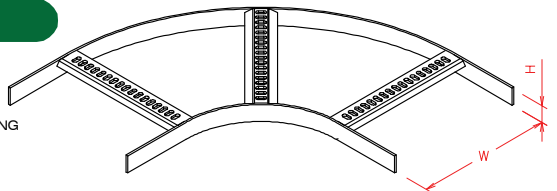
PRODUCT CODE DESCRIPTION



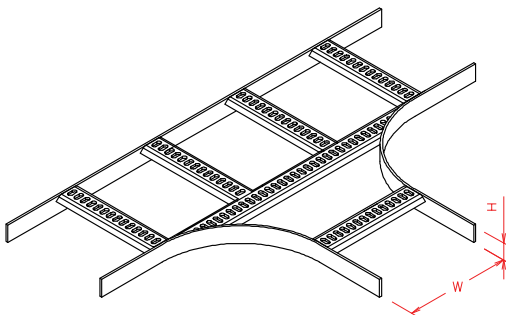
PRODUCT CODE DESCRIPTION



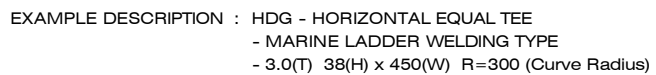
90 DEG HORIZONTAL FLAT ELBOW



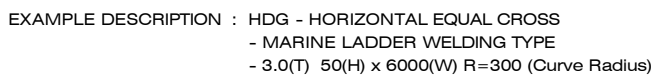
HORIZONTAL EQUAL TEE



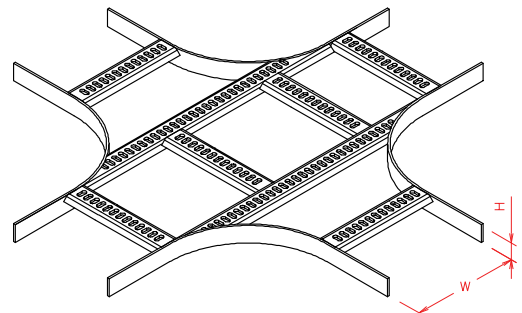
PRODUCT CODE DESCRIPTION



PRODUCT CODE DESCRIPTION



HORIZONTAL EQUAL CROSS

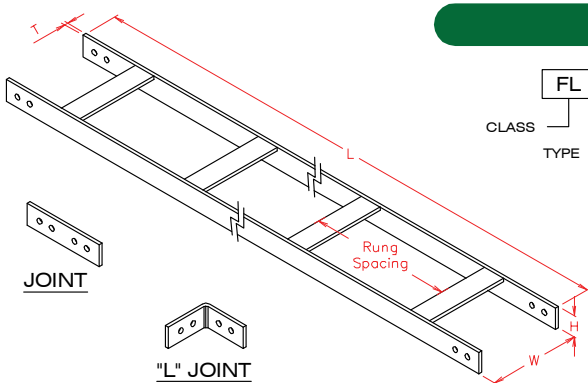


CLASS	CODE	TYPE	CODE	DEG	CODE	RUNG	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	(R)	CODE	MATERIAL	CODE											
Marine Ladder	LM	Straight	S	90	9D	250	10R	3.0	30T	25	1H	75	03W	2000	2ML	300	12	Epoxy	(C)											
		Elbow	E	DEG		300	12R	4.5	45T	38	DH	100	04W	3000	3ML	450	18	Electro-galvanized	(V)											
												150	06W			600	24													
		Equal Tee	T							200	08W	300	12W	750	30	900	36	Galvanized Iron	(G)											
																				450	18W	1000	40							
		Equal Cross	X																		Stainless Steel 304	(S4)								
																							600	24W						
																							750	30W					(RT)	CODE
																							800	32W					curve	C
900	36W																										straight	S		

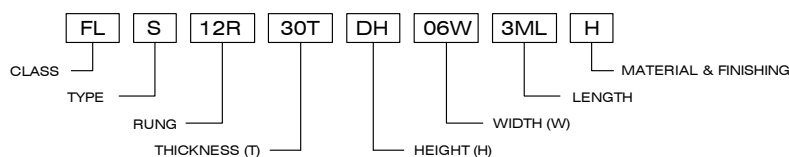
* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE LADDER - FLAT BAR TYPE

STRAIGHT

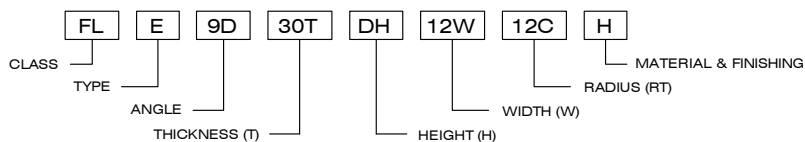


PRODUCT CODE DESCRIPTION

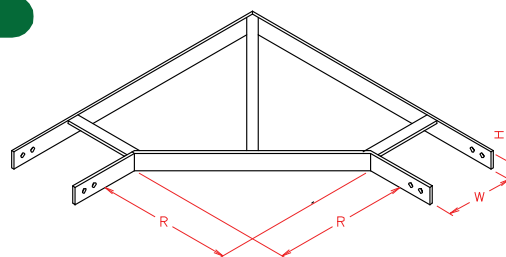


EXAMPLE DESCRIPTION : HDG - STRAIGHT -
FLAT BAR LADDER WITH 300 RUNG SPACING -
3.0(T) 38(H) x 150(W) x 3000(L)

PRODUCT CODE DESCRIPTION

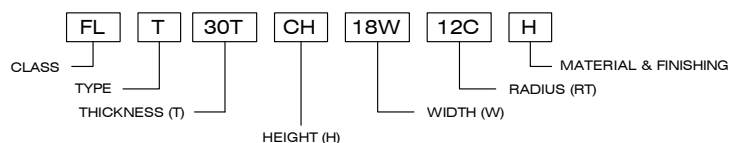
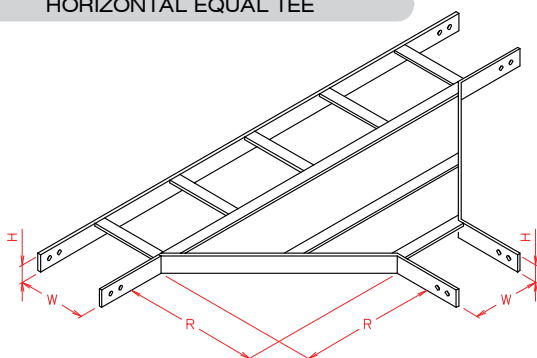


EXAMPLE DESCRIPTION : HDG - 90 DEG HORIZONTAL FLAT ELBOW
- FLAT BAR LADDER WELDING TYPE
- 3.0(T) 38(H) x 300(W) R=300 (Straight Type)



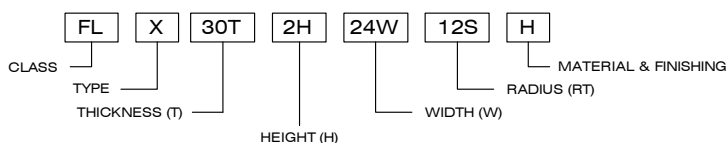
PRODUCT CODE DESCRIPTION

HORIZONTAL EQUAL TEE

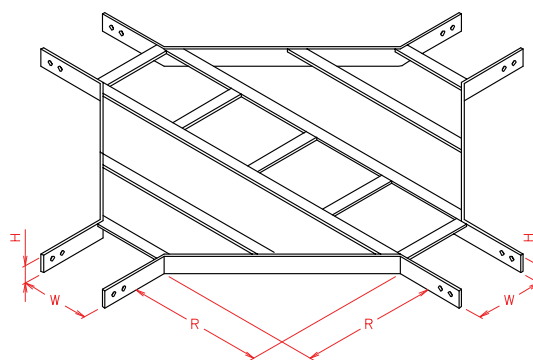


EXAMPLE DESCRIPTION : HDG - HORIZONTAL EQUAL TEE
- FLAT BAR LADDER WELDING TYPE
- 3.0(T) 38(H) x 450(W) R=300 (Straight Type)

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - HORIZONTAL EQUAL CROSS
- FLAT BAR LADDER WELDING TYPE
- 3.0(T) 50(H) x 6000(W) R=300 (Straight Type)



HORIZONTAL EQUAL CROSS

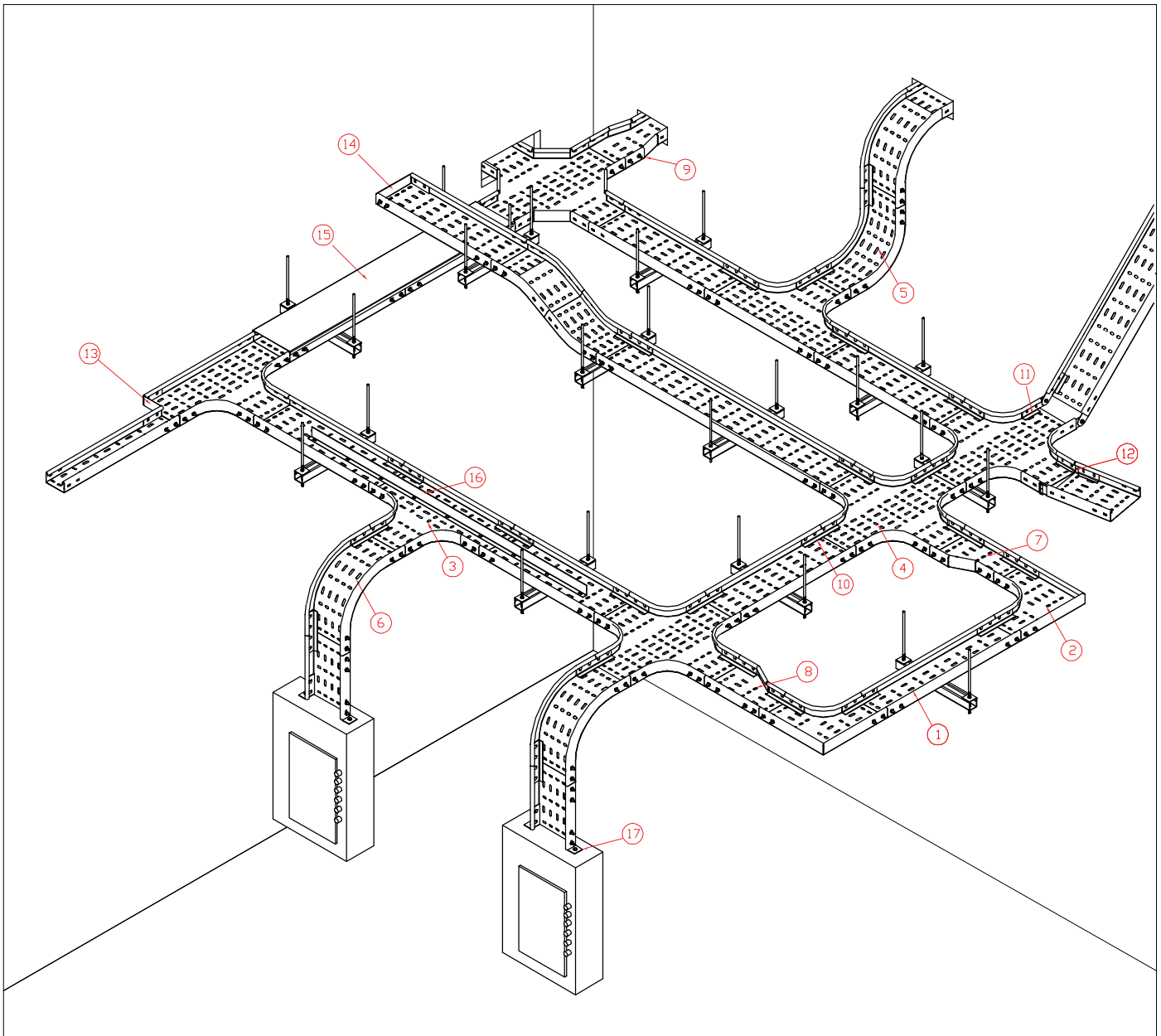
CLASS	CODE	TYPE	CODE	DEG	CODE	RUNG	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	(R)	CODE	MATERIAL	CODE
Flat Bar	FB	Straight	S	90	9D	250	10R	3.0	30T	25	1H	75	03W	2000	2ML	300	12	Epoxy	(C)
Ladder		Elbow	E	DEG		300	12R	4.5	45T	38	CH	100	04W	3000	3ML	450	18	Electro-	(V)
		Equal Tee	T							50	2H	150	06W			600	24	galvanized	
												200	08W			750	30		
												300	12W			900	36	Galvanized Iron	(G)
		Equal Cross	X									450	18W			1000	40		
												600	24W					Stainless Steel 304	(S4)
		Joint	SJ									750	30W					Stainless Steel 316	(S6)
		"L" Joint	LJ									800	32W						
												900	36W			curve	C		
												1000	40W			straight	S	HDG	(H)

* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE TRAY & COMPONENTS ASSEMBLY GUIDE

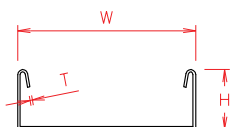
Legend:

- | | | |
|----------------------------|------------------------|-----------------------|
| 1 = Straight Tray | 8 = Right-hand Reducer | 15 = Straight Cover |
| 2 = Horizontal Flat Elbow | 9 = Straight Reducer | 16 = Straight Divider |
| 3 = Horizontal Tee | 10 = Straight Joint | 17 = Splice Plate |
| 4 = Horizontal Cross | 11 = Vertical Joint | |
| 5 = Vertical Inside | 12 = Horizontal Joint | |
| 6 = Vertical Outside Riser | 13 = Reducer plate | |
| 7 = Left-hand Reducer | 14 = End Plate | |

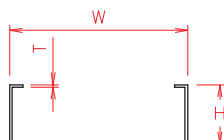


PERFORATED TRAY - STRAIGHT

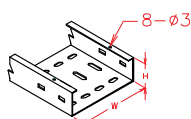
RETURN FLANGE TYPE



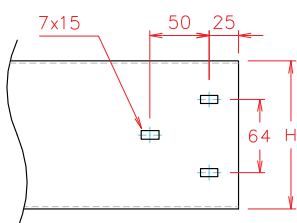
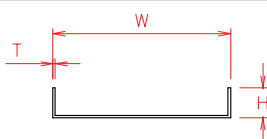
RETURN EDGE TYPE



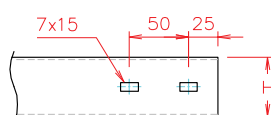
RETURN EDGE SCREW TYPE



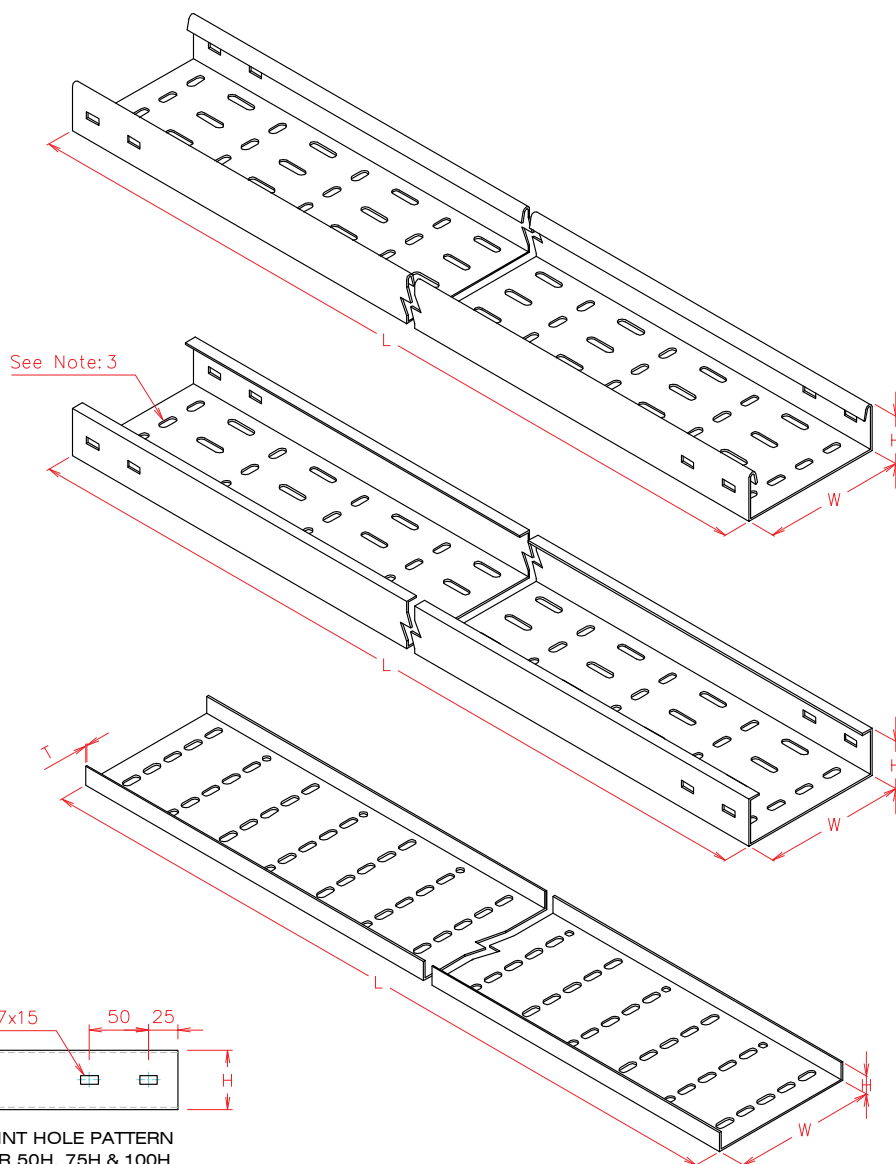
"U" TYPE



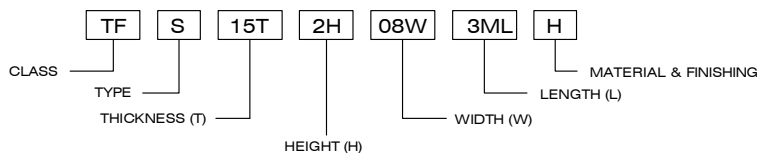
JOINT HOLE PATTERN
FOR 125H & 150H



JOINT HOLE PATTERN
FOR 50H, 75H & 100H



PRODUCT CODE DESCRIPTION



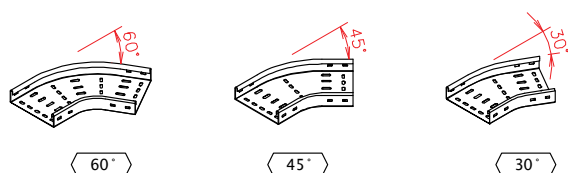
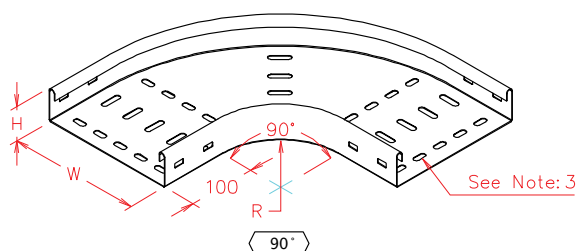
EXAMPLE DESCRIPTION : HDG - STRAIGHT
- PERFORATED CABLE TRAY RETURN FLANGE TYPE
- 1.5(T) 50(H) x 200(W) x 3000(L)

- NOTE : 1) (H) Tray Return Edge & Flange normally use for 50(H) & above
2) Tray 'U' type normally use for 50(H) & below.
3) Perforation dimensions may vary depending Tray size.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) HDG after fabricate.
6) Other sizes are available upon request.

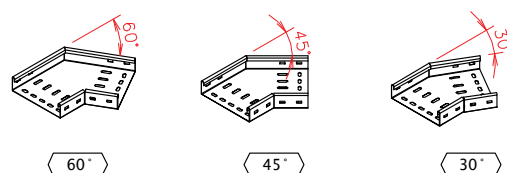
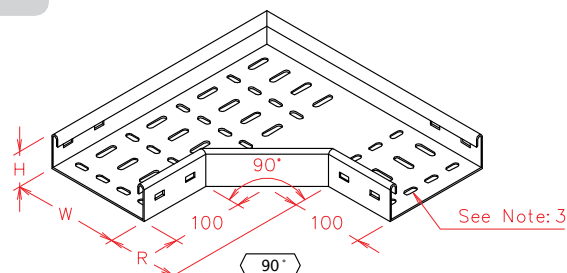
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Tray Flange	TF	Straight	S	0.8	08T	15	AH	50	02W	2438	8FL	Epoxy	(C)	Orange	1
Tray Edge	TE			1.0	10T	18	A-H	75	03W	3000	3ML	Electro-galvanized	(V)	Green	2
Tray 'U'	TU			1.2	12T	20	BH	100	04W			Galvanized	(G)	White	3
Tray Edge Screw Type	TW			1.5	15T	23	B-H	150	06W			Iron		Blue	4
				2.0	20T	25	1H	200	08W			Aluminium	(A)	Red	5
				2.3	23T	38	CH	300	12W			Stainless (S4)		Beige	6
				2.5	25T	50	2H	450	18W			Steel 304		Grey	7
						75	3H	600	24W			Stainless (S6)		Yellow	8
						100	4H	750	30W			Steel 316			
						125	5H	800	32W			HDG	(H)		
						150	6H	900	36W						

PERFORATED TRAY - HORIZONTAL FLAT ELBOW

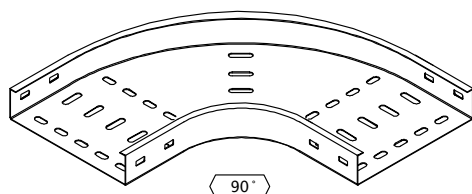
RETURN FLANGE TYPE - Curve Radius



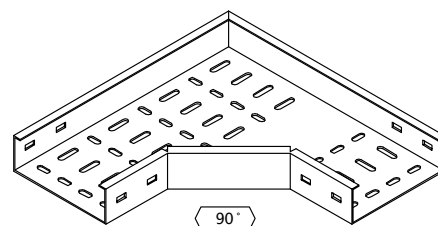
RETURN FLANGE TYPE - Straight Radius



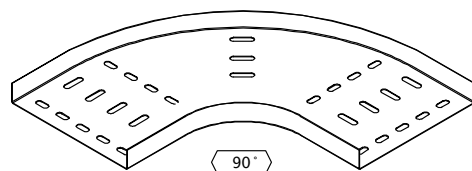
RETURN EDGE TYPE - Curve Radius



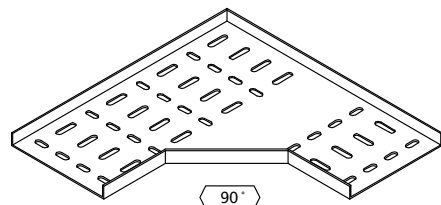
RETURN EDGE TYPE - Straight Radius



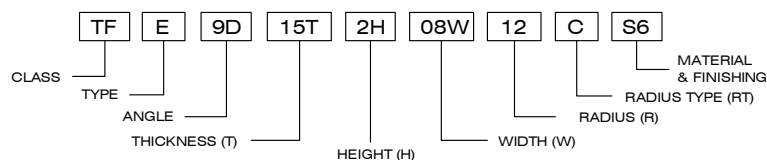
"U" TYPE - Curve Radius



"U" TYPE - Straight Radius



PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - 90 DEG HORIZONTAL FLAT ELBOW
- PERFORATED CABLE TRAY RETURN FLANGE TYPE
- 1.5(T) 50(H) x 200(W) R=300 (Curve Radius)

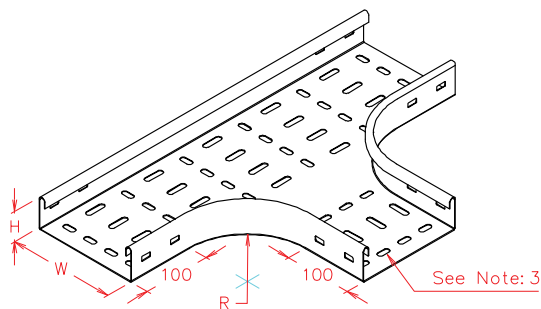
- NOTE : 1) (H) Tray Return Edge & Flange normally use for 50(H) & above
2) Tray 'U' type normally use for 50(H) & below.
3) Perforation dimensions may vary depending Tray size.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) HDG after fabricate.
6) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Tray Flange	TF	Elbow	E	30 DEG	3D	0.8	08T	15	AH	75	03W	100	04	Epoxy	(C)	Orange	1
				45 DEG	4D	1.0	10T	18	A-H	100	04W	200	08	Electro-galvanized	(V)	Green	2
Tray Edge	TE			60 DEG	6D	1.2	12T	20	BH	150	06W	300	12			White	3
				90 DEG	9D	1.5	15T	23	B-H	200	08W	450	18	Aluminium	(A)	Blue	4
Tray 'U'	TU					2.0	20T	25	1H	300	12W	600	24	Galvanized Iron	(G)	Red	5
Tray Edge Screw	TW					2.3	23T	38	CH	450	18W					Beige	6
						2.5	25T	50	2H	600	24W						
								75	3H	750	30W			Stainless Steel 304	(S4)	Grey	7
								100	4H	800	32W			Stainless Steel 316	(S6)	Yellow	8
								125	5H	900	36W						
								150	6H					HDG	(H)		
												(RT) CODE					
												curve	C				
												straight	S				

PERFORATED TRAY - HORIZONTAL TEE

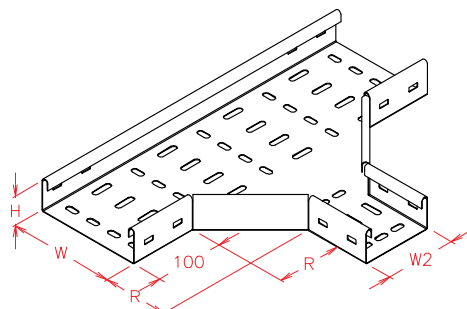
RETURN FLANGE TYPE - Curve Radius

HORIZONTAL EQUAL TEE

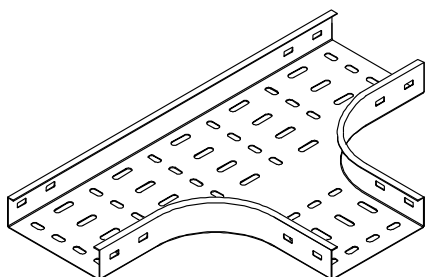


RETURN FLANGE TYPE - Straight Radius

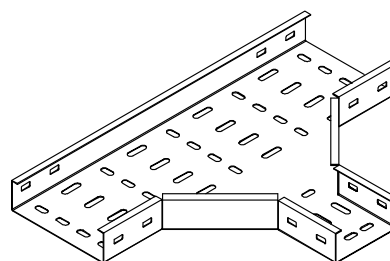
HORIZONTAL UNEQUAL TEE



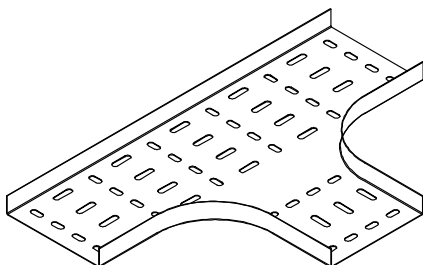
RETURN EDGE TYPE - Curve Radius



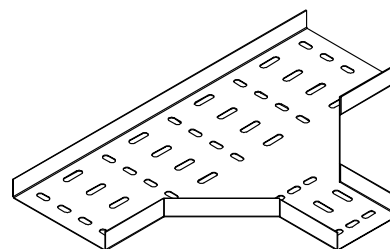
RETURN EDGE TYPE - Straight Radius



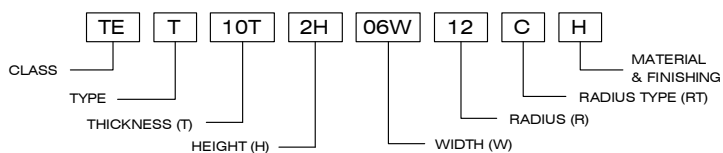
"U" TYPE - Curve Radius



"U" TYPE - Straight Radius



PRODUCT CODE DESCRIPTION



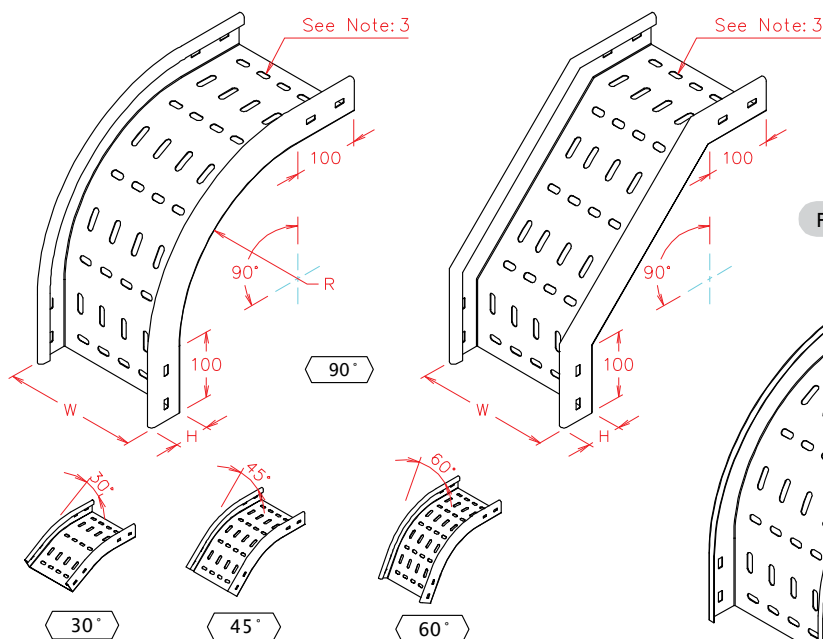
EXAMPLE DESCRIPTION : HDG - HORIZONTAL EQUAL TEE
- PERFORATED CABLE TRAY RETURN EDGE TYPE -
- 1.0(T) 50(H) x 150(W) R=300 (Curve Radius)

- NOTE : 1) (H) Tray Return Edge
& Flange normally use for 50(H) & above
2) Tray 'U' type normally
use for 50(H) & below.
3) Perforation dimensions
may vary depending Tray size.
4) All dimensions are in millimeters (mm)
unless notes otherwise.
5) HDG after fabricate.
6) Other sizes are available upon request.

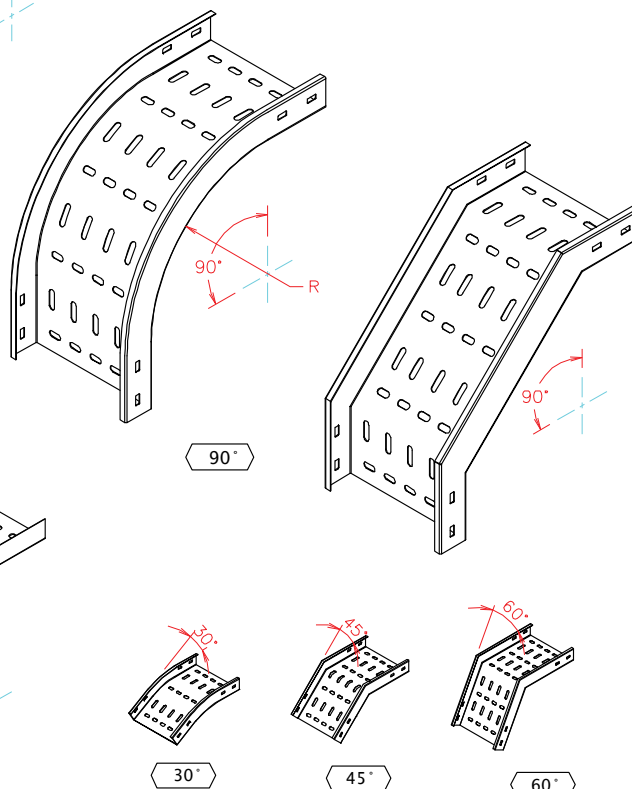
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING CODE			
Tray Flange	TF	Equal Tee	T	0.8	08T	15	AH	75 03W	50 02W	100 04	Epoxy	(C)	Orange	1				
				1.0	10T	18	A-H	100 04W	75 03W	200 08	Electro-galvanized	(V)	Green	2				
Tray Edge	TE	Unequal Tee	Q	1.2	12T	20	BH	150 06W	100 04W	300 12	Aluminium	(A)	White	3				
				1.5	15T	23	B-H	200 08W	150 06W	450 18			Galvanized Iron	(G)	Blue	4		
Tray 'U'	TU			2.0	20T	25	1H	300 12W	200 08W	600 24	Stainless Steel 304	(S4)			Red	5		
Tray Edge Screw	TW			2.3	23T	38	CH	450 18W	300 12W				(RT) CODE	curve C straight S	Stainless Steel 316 HDG	(S6) (H)	Beige	6
		2.5	25T	50	2H	600 24W	450 18W				Grey	7						
					75	3H	750 30W	600 24W									Yellow	8
					100	4H	800 32W	750 30W										
					125	5H	900 36W	800 32W										
					150	6H												

PERFORATED TRAY - VERTICAL RISER

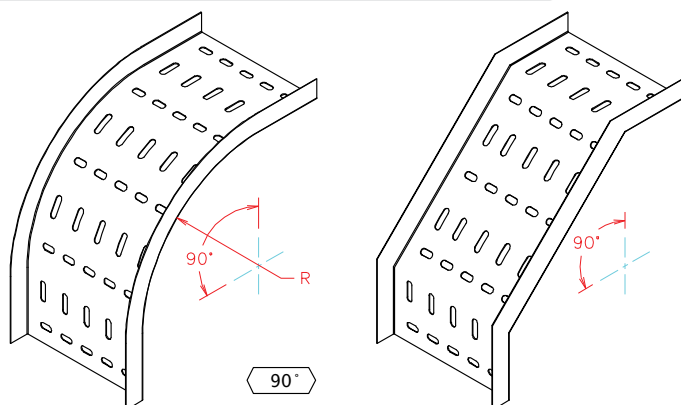
RETURN FLANGE TYPE - Curve / Straight Radius



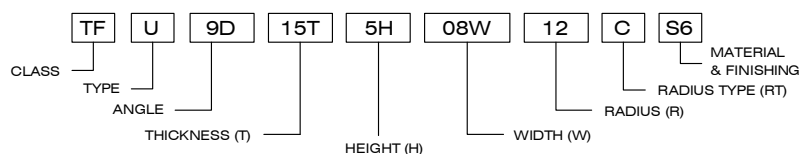
RETURN EDGE TYPE - Curve / Straight Radius



"U" TYPE - Curve / Straight Radius



PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - 90 DEG VERTICAL OUTSIDE RISER
- PERFORATED CABLE TRAY RETURN FLANGE TYPE
- 1.5(T) 125(H) x 200(W) R=300 (Curve Radius)

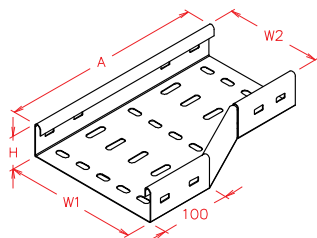
- NOTE : 1) (H) Tray Return Edge & Flange normally use for 50(H) & above.
2) Tray 'U' type normally use for 50(H) & below.
3) Perforation dimensions may vary depending Tray size.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) HDG after fabricate.
6) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Tray Flange	TF	Outside Riser	U	30 DEG	3D	0.8	08T	15	AH	50	02W	100	04	Epoxy	(C)	Orange	1
Tray Edge	TE			45 DEG	4D	1.0	10T	18	A*H	75	03W	200	08	Electro-galvanized	(V)	Green	2
Tray 'U' Type	TU			60 DEG	6D	1.2	12T	20	BH	100	04W	300	12	Aluminium	(A)	White	3
Tray Edge Screw	TW			90 DEG	9D	1.5	15T	23	B*H	150	06W	450	18	Galvanized Iron	(G)	Blue	4
						2.0	20T	25	1H	200	08W	600	24			Red	5
						2.3	23T	38	CH	300	12W					Beige	6
						2.5	25T	50	2H	450	18W					Grey	7
								75	3H	600	24W	(RT) CODE		Stainless Steel 304	(S4)	Yellow	8
								100	4H	750	30W	Curve	C	Stainless Steel 316	(S6)		
								125	5H	800	32W	Straight	S	HDG	(H)		
								150	6H	900	36W						

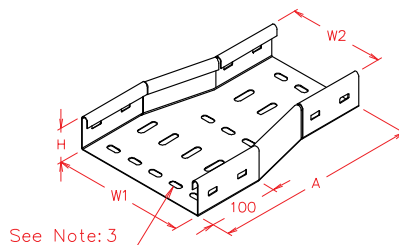
PERFORATED TRAY - HORIZONTAL REDUCER

RETURN FLANGE TYPE

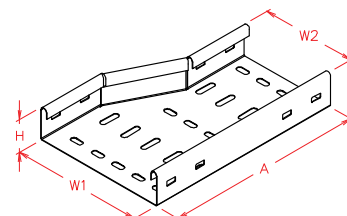
LEFT-HAND REDUCER



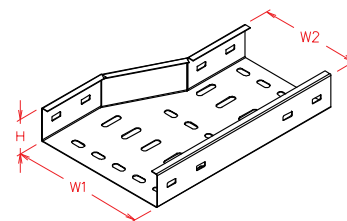
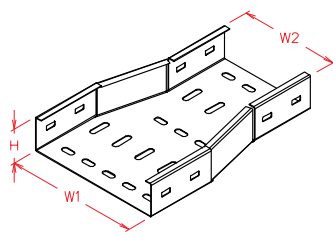
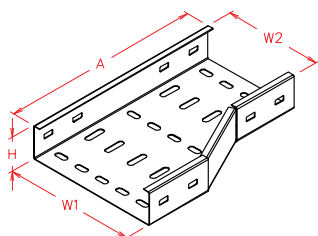
STRAIGHT REDUCER



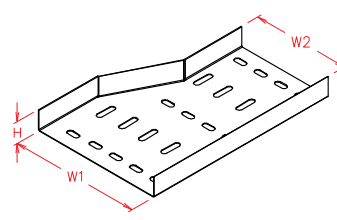
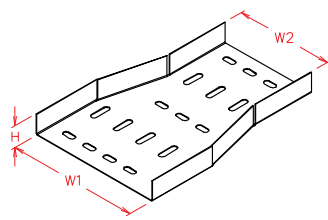
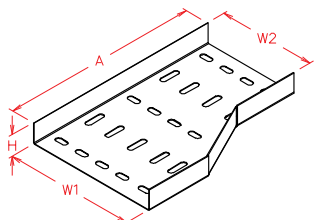
RIGHT-HAND REDUCER



RETURN EDGE TYPE

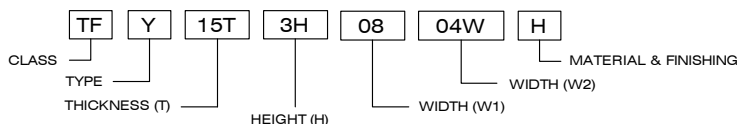


"U" TYPE



NOTE : A = 300mm Length for standard Tray size

PRODUCT CODE DESCRIPTION

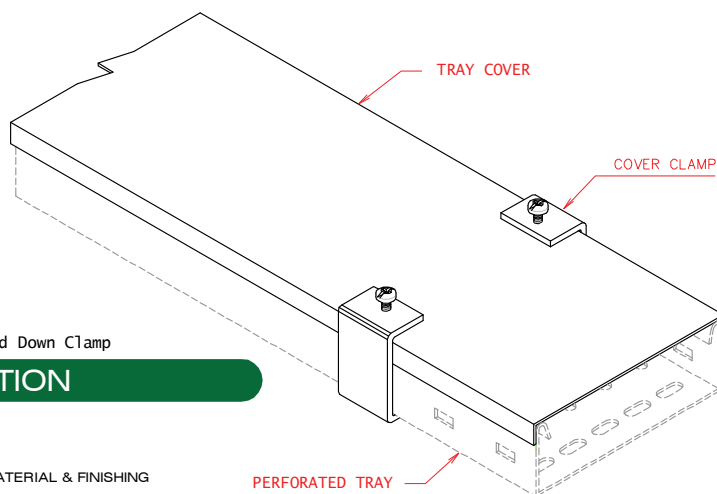
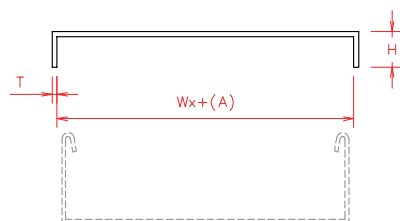


EXAMPLE DESCRIPTION : HDG - HORIZONTAL STRAIGHT REDUCER
- PERFORATED CABLE TRAY RETURN FLANGE TYPE
- 1.5(T) 75(H) x 200(W1) - 100(W2)

- NOTE : 1) (H) Tray Return Edge & Flange normally use for 50(H) & above
2) Tray 'U' type normally use for 50(H) & below.
3) Perforation dimensions may vary depending Tray size.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) A = 300mm for Standard Tray Sizes.
6) HDG after fabricate.
7) Other sizes are available upon request.

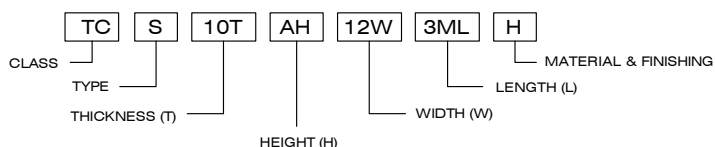
Class	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Tray Flange Type	TF	Straight Reducer	Y	0.8	08T	15	AH	75	03W	50	02W	Epoxy	(C)	Orange	1
				1.0	10T	18	A*H	100	04W	75	03W	Electro-galvanized	(V)	Green	2
Tray Edge Type	TE	Right-Hand Reducer	R	1.2	12T	20	BH	150	06W	100	04W	Aluminium	(A)	White	3
				1.5	15T	23	B*H	200	08W	150	06W	Galvanized Iron	(G)	Blue	4
Tray 'U' Type	TU	Left-Hand Reducer	L	2.0	20T	25	1H	300	12W	200	08W			Red	5
				2.3	23T	38	CH	450	18W	300	12W			Beige	6
Tray Edge Screw Type	TW			2.5	25T	50	2H	600	24W	450	18W	Stainless Steel 304	(S4)	Grey	7
						75	3H	750	30W	600	24W	Stainless Steel 316	(S6)	Yellow	8
						100	4H	800	32W	750	30W				
						125	5H	900	36W	800	32W				
						150	6H					HDG	(H)		

TRAY COVER - STRAIGHT 8 CLAMP



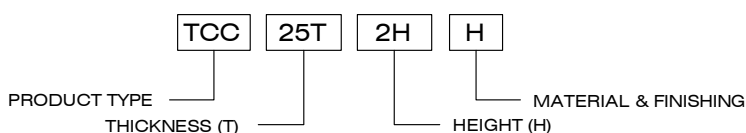
NOTE : W = +3mm & (x) additional 4mm width to fit Hold Down Clamp

PRODUCT CODE DESCRIPTION



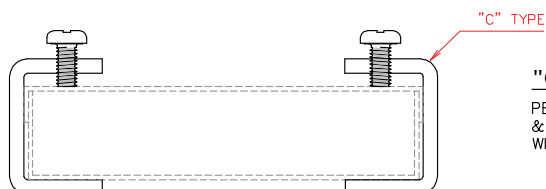
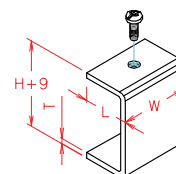
EXAMPLE DESCRIPTION : HDG -STRAIGHT - CABLE TRAY COVER
- 1.0(T) 15(H) x 300(W) x 3000(L)

PRODUCT CODE DESCRIPTION



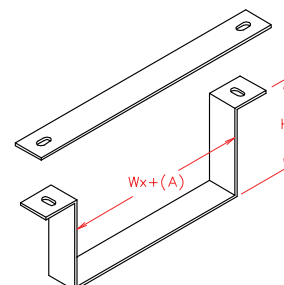
EXAMPLE DESCRIPTION : HDG - CABLE TRAY - 'C' TYPE COVER CLAMP - 2.5(T)

"C" TYPE COVER CLAMP	W	L
	38	25



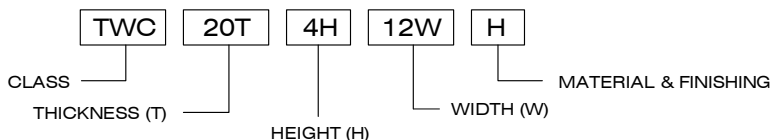
"C" TYPE COVER CLAMP

PERFORATED CABLE TRAY C/W COVER
& 6 PCS OF "C" TYPE COVER CLAMP
WITH 6 PCS OF M6 X 12L PAN HEAD BOLT



NOTE : Wx & Wy = +3mm & (x) additional dimension to fit Hold Down Clamp

PRODUCT CODE DESCRIPTION

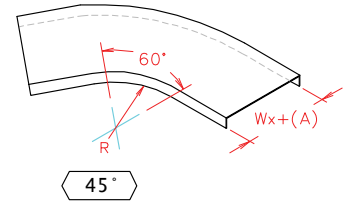
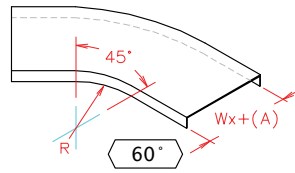
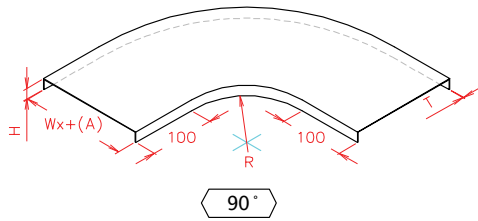


EXAMPLE DESCRIPTION : HDG - WRAPOVER TYPE CLAMP
- CABLE TRAY COVER
- 2.0(T) 100(H) x 300(W)

- Note : 1) Wx = +3mm tolerance & (A) additional dimension width to fit Hold Down Clamp.
2) Wx is measure INNER DIMENSION (ID).
3) Wx & Wy is measure INNER DIMENSION.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) HDG after fabricate.
6) Other sizes are available upon request.

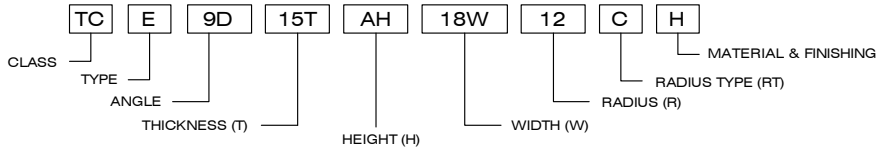
CLASS	CODE	TYPE	CODE	(T) CODE	(H) CODE	(W) CODE	(L) CODE	MATERIAL CODE	COATING CODE
Tray Cover	TC	Straight	S	0.8 08T	15 AH	50 02W	1500 5FL	Epoxy (C)	Orange 1
Tray Cover	TW	"C" Type Cover Clamp	TCC	1.0 10T	18 BH	75 03W	2438 8FL	Electro-galvanized (V)	Green 2
Screw Type				1.2 12T	20 CH	100 04W	3000 3ML	Aluminium (A)	White 3
				1.5 15T	50 2H	150 06W		Galvanized Iron (G)	Blue 4
		Wrapover Clamp	TWC	2.0 20T	75 3H	200 08W		Stainless Steel 304 (S4)	Red 5
					100 4H	300 12W		Stainless Steel 316 (S6)	Beige 6
					125 5H	450 18W		HDG (H)	Grey 7
					150 6H	600 24W			Yellow 8
						750 30W			
						800 32W			
						900 36W			

TRAY COVER - HORIZONTAL FLAT ELBOW & HORIZONTAL REDUCER



NOTE : W = +3mm & (x) additional 4mm width to fit Hold Down Clamp

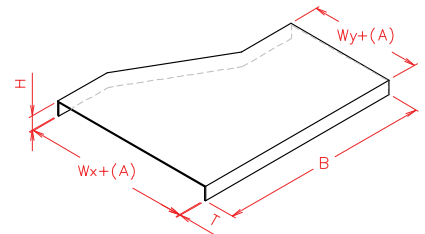
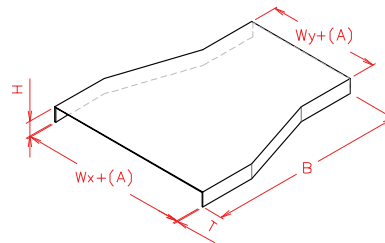
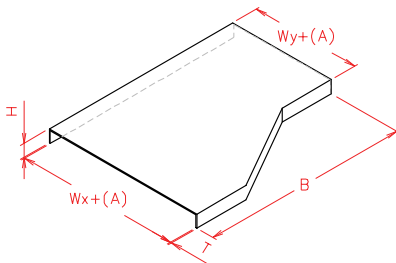
PRODUCT CODE DESCRIPTION



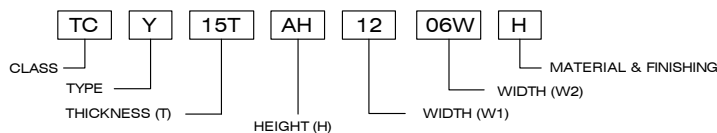
EXAMPLE DESCRIPTION : HDG - 90 DEG HORIZONTAL FLAT ELBOW
- PERFORATED CABLE TRAY COVER
- 1.2(T) 15(H) x 450(W) R=300 (CURVE)

CLASS	CODE	TYPE	CODE	ANGLE	CODE	T	CODE	H	CODE	W	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Tray Cover	TC	Elbow	E	30 DEG	3D	0.8	08T	15	AH	75	03W	100	04	Epoxy	(C)	Orange	1
				45 DEG	4D	1.0	10T	18	A-H	100	04W	200	08	Electro-galvanized	(V)	Green	2
				60 DEG	6D	1.2	12T	20	BH	150	06W	300	12	Aluminium	(A)	White	3
				90 DEG	9D	1.5	15T			200	08W	450	18	Galvanized Iron	(G)	Blue	4
						2.0	20T			300	12W	600	24			Red	5
										450	18W					Beige	6
										600	24W					Grey	7
										750	30W					Yellow	8
										800	32W						
										900	36W						
												(RT)	CODE	Stainless Steel 304	(S4)		
												curve	C	Stainless Steel 316	(S6)		
												straight	S	HDG	(H)		

TRAY COVER - HORIZONTAL REDUCER



PRODUCT CODE DESCRIPTION

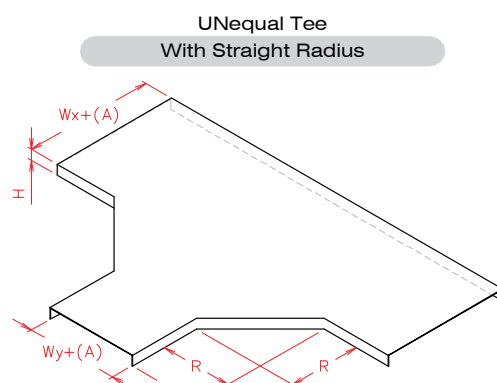
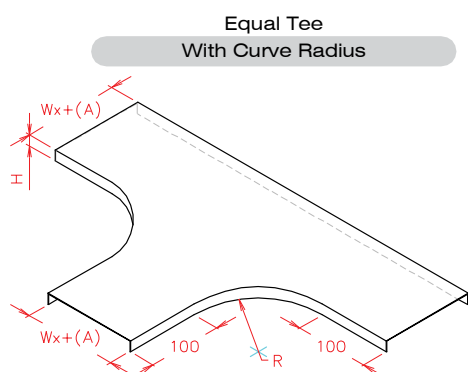


EXAMPLE DESCRIPTION : HDG - HORIZONTAL STRAIGHT REDUCER
- CABLE TRAY COVER
- 1.5(T) 15(H) x 300(W1) - 150(W2)

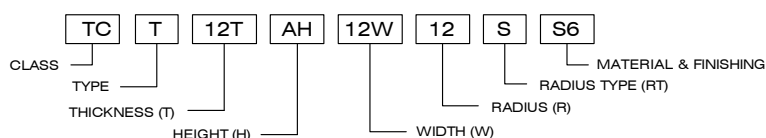
- Note : 1) Wx & Wy = +3mm tolerance & (A) additional dimension width to fit Hold Down Clamp.
2) Wx & Wy is measure INNER DIMENSION (ID).
3) B = Standard Length 300mm.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) HDG after fabricate.
6) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Tray Cover	TC	Straight Reducer	Y	0.8	08T	15	AH	75	03W	50	02W	Epoxy	(C)	Orange	1
				1.0	10T	18	A-H	100	04W	75	03W	Electro-galvanized	(V)	Green	2
				1.2	12T	20	BH	150	06W	100	04W	Aluminium	(A)	White	3
				1.5	15T			200	08W	150	06W	Galvanized Iron	(G)	Blue	4
				2.0	20T			300	12W	200	08W			Red	5
								450	18W	300	12W			Beige	6
								600	24W	450	18W			Grey	7
								750	30W	600	24W			Yellow	8
								800	32W	750	30W				
								900	36W	800	32W				
												Stainless Steel 304	(S4)		
												Stainless Steel 316	(S6)		
												HDG	(H)		

TRAY COVER - HORIZONTAL TEE & HORIZONTAL CROSS



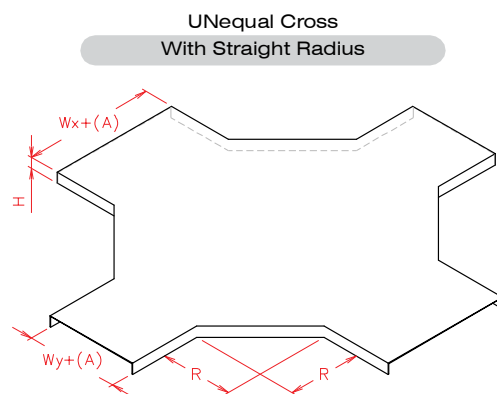
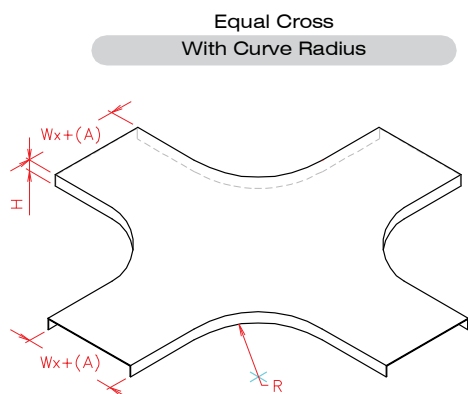
PRODUCT CODE DESCRIPTION



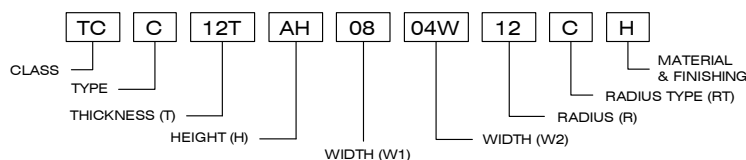
EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - HORIZONTAL EQUAL TEE
- CABLE TRAY COVER
- 1.2(T) 15(H) x 300(W) R=300 (Straight Radius)

- Note : 1) Wx & Wy = +3mm & (A) additional dimension width to fit Hold Down Clamp.
2) Wx & Wy is measure INNER DIMENSION.
3) All dimensions are in millimeters (mm) unless notes otherwise.
4) HDG after fabricate.
5) Other sizes are available upon request.

TRAY COVER - HORIZONTAL CROSS



PRODUCT CODE DESCRIPTION

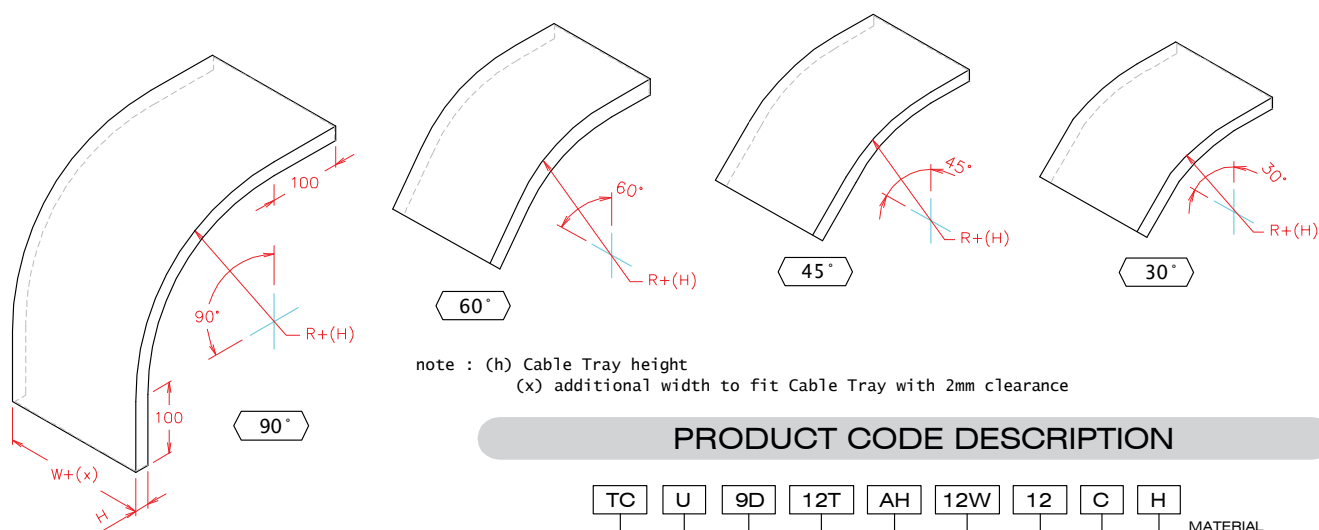


EXAMPLE DESCRIPTION : HDG - HORIZONTAL UNEQUAL CROSS
- CABLE TRAY COVER
- 1.2(T) 15(H) x 200(W1) - 100(W2) R=300 (Curve Radius)

- Note : 1) Wx & Wy = +3mm & (A) additional dimension width to fit Hold Down Clamp.
2) Wx & Wy is measure INNER DIMENSION.
3) All dimensions are in millimeters (mm) unless notes otherwise.
4) HDG after fabricate.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(Wx)	CODE	(Wy)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Tray Cover	TC	Equal Tee	T	0.8	08T	15	AH	75	03W	50	02W	100	04	Epoxy	(C)	Orange	1
Tray Cover	TW	Unequal Tee	Q	1.0	10T	18	A-H	100	04W	75	03W	200	08	Electro-galvanized	(V)	Green	2
Screw Type		Equal Cross	X	1.2	12T	20	BH	150	06W	100	04W	300	12	Aluminium	(A)	White	3
		Unequal Cross	C	1.5	15T			200	08W	150	06W	450	18	Galvanized Iron	(G)	Blue	4
				2.0	20T			300	12W	200	08W	600	24			Red	5
								450	18W	300	12W					Beige	6
								600	24W	450	18W					Grey	7
								750	30W	600	24W					Yellow	8
								800	32W	750	30W						
								900	36W	800	32W						
												(RT)	CODE	Stainless Steel 304	(S4)		
												curve	C	Stainless Steel 316	(S6)		
												straight	S	HDG	(H)		

TRAY COVER - VERTICAL INSIDE / OUTSIDE RISER

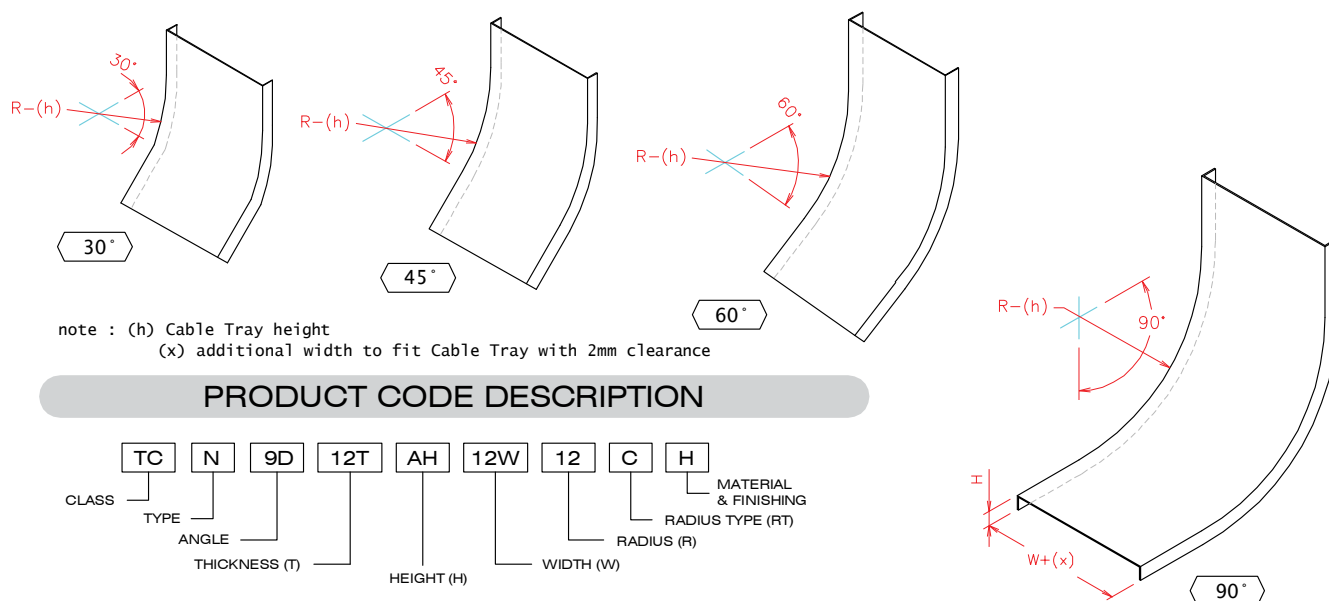


Note :

- 1) W = + 3mm & (X) additional 4mm width to fit Hold Down Clamp
- 2) (H) Cable Tray Height
- 3) All dimensions are in millimeters (mm) unless notes otherwise.
- 4) HDG after fabricate.
- 5) Other sizes are available upon request.

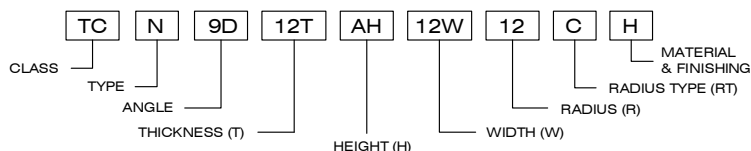
EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL OUTSIDE RISER
- CABLE TRAY COVER
- 1.2(T) 15(H) x 300W R=300 (Curve Radius)

TRAY COVER - VERTICAL INSIDE RISER



note : (h) Cable Tray height
(x) additional width to fit Cable Tray with 2mm clearance

PRODUCT CODE DESCRIPTION

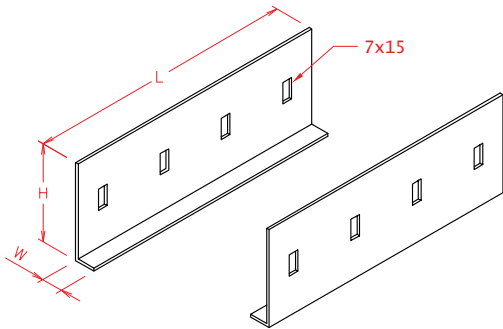


EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL INSIDE RISER
- CABLE TRAY COVER
- 1.2(T) 15(H) x 300(W) R=300 (Curve Radius)

CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Tray Cover	TC	Inside Riser	N	30 DEG	3D	0.8	08T	15	AH	75	03W	100	04	Epoxy	(C)	Orange	1
Tray Cover Screw Type	TW			45 DEG	4D	1.0	10T	18	A-H	100	04W	200	08	Electro-galvanized	(V)	Green	2
		60 DEG	6D	1.2	12T	20	BH	150	06W	300	12	Aluminium	(A)	White	3		
		Outside Riser	U	90 DEG	9D	1.5	15T	200	08W	450	18			Blue	4		
				2.0	20T	300	12W			600	24			Red	5		
		450	18W	Galvanized Iron	(G)	Beige	6										
		600	24W	Stainless Steel 304	(S4)	Grey	7										
		750	30W			Yellow	8										
		800	32W			Stainless Steel 316	(S6)	HDG	(H)								
900	36W	curve C	straight S														

CABLE TRAY - ACCESSORIES

STRAIGHT JOINT



STRAIGHT JOINT

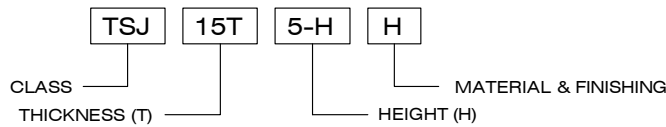
Tray (H)	W	H	L
H=50	15	44	190
H=75	15	69	190
H=100	15	94	190

- NOTE : 1) Fastener quantity, depend on holes requirement.
1 set include 1M6 Carriage Bolt, 1 Nut, 1 Spring & 1M8 Flat Washer
2) Straight Joint (H) are designed for INNER use only
3) Thickness 2.0mm above will used Tray(H)-10mm

Fastener

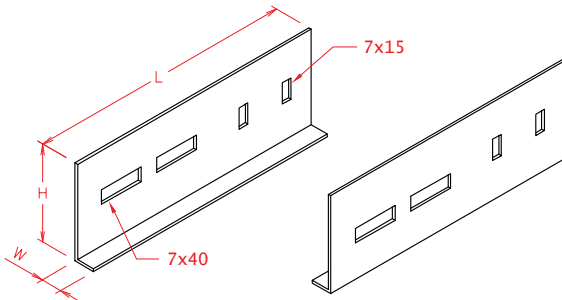


PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - STRAIGHTT JOINT - CABLE TRAY (125H)
- 1.5(T) 119(H) x 190L

EXPANSION JOINT



EXPANSION JOINT

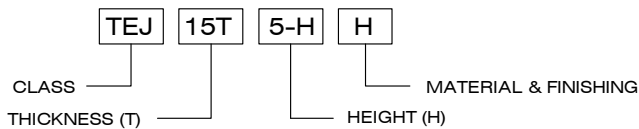
Tray (H)	W	H	L
H=50	15	44	230
H=75	15	69	230
H=100	15	94	230

- NOTE : 1) Fastener quantity, depend on holes requirement.
1 set include 1M6 Carriage Bolt, 1 Nut, 1 Spring & 1M8 Flat Washer
2) Expansion Joint (H) are designed for INNER use only
3) Thickness 2.0mm above will used Tray(H)-10mm

Fastener



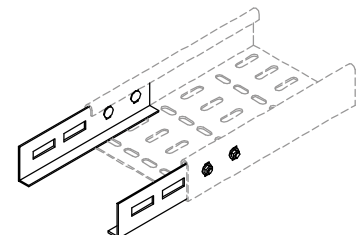
PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - EXPANSION JOINT - CABLE TRAY (125H)
- 1.5(T) 119(H) x 230(L)

CLASS	CODE	(T) CODE	(H) CODE	(L) CODE	MATERIAL CODE	COATING CODE
Expansion Joint	TEJ	1.0 10T	50 2H	230 230L	Epoxy (C)	Orange 1
		1.2 12T	75 3H	190 190L	Electro-galvanized (V)	Green 2
Straight Joint	TSJ	1.5 15T	100 4H		Aluminium (A)	White 3
		2.0 20T	125 5H		Galvanized Iron (G)	Blue 4
		2.5 25T	150 6H			Red 5
		3.0 30T				Beige 6
					Stainless Steel 304 (S4)	Grey 7
					Stainless Steel 316 (S6)	Yellow 8
					HDG (H)	

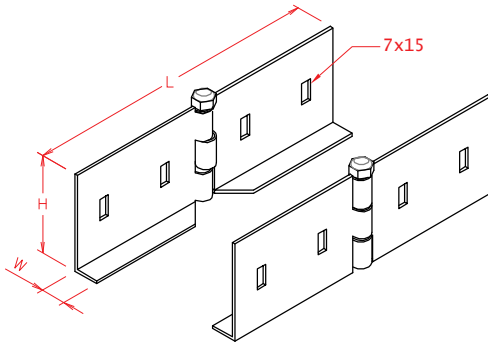
APPLICATION



* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE TRAY - ACCESSORIES

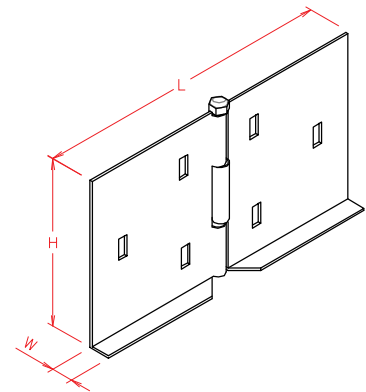
HORIZONTAL ADJUSTABLE JOINT



HORIZONTAL JOINT

Tray (H)	W	H	L
H=50	15	44	215
H=75	15	69	215
H=100	15	94	215

- NOTE : 1) Fastener quantity, depend on holes requirement.
 1 set include 1M6 Carriage Bolt, 1 Nut, 1 Spring & 1M8 Flat Washer
 2) Horizontal Joint (H) are designed for INNER use only
 3) Thickness 2.0mm above will used Tray(H)-10mm



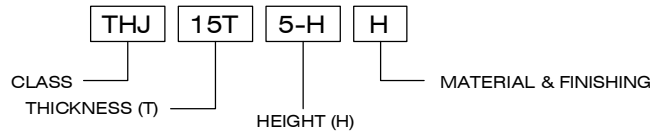
HORIZONTAL JOINT

Tray (H)	W	H	L
H=125	15	119	215
H=150	15	144	215

Fastener

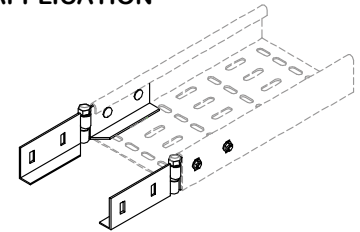


PRODUCT CODE DESCRIPTION

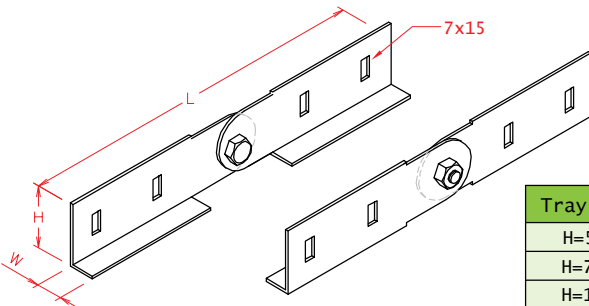


EXAMPLE DESCRIPTION : HDG - HORIZONTAL ADJUSTABLE JOINT - CABLE TRAY (125H) - 1.5(T) 119(H) x 210(L)

APPLICATION



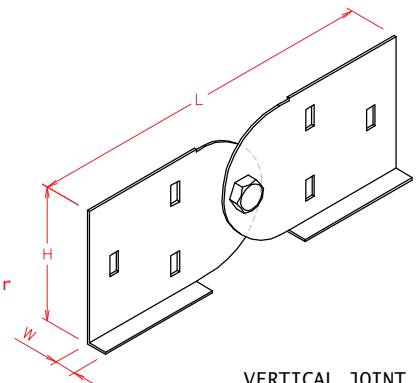
VERTICAL ADJUSTABLE JOINT



VERTICAL JOINT

Tray (H)	W	H	L
H=50	15	44	250
H=75	15	69	250
H=100	15	94	250

- NOTE : 1) Fastener quantity, depend on holes requirement.
 1 set include 1M6 Carriage Bolt, 1 Nut, 1 Spring & 1M8 Flat Washer
 2) Vertical Joint (H) are designed for INNER use only
 3) Thickness 2.0mm above will used Tray(H)-10mm

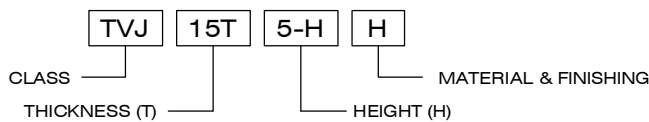


VERTICAL JOINT

Tray (H)	W	H	L
H=125	15	119	300
H=150	15	144	300



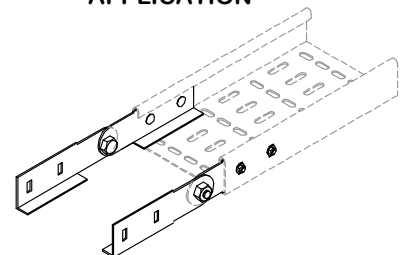
PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - VERTICAL ADJUSTABLE JOINT - CABLE TRAY (125H) - 1.5(T) 119(H) x 250(L)

CLASS	CODE	(T)	CODE	(H)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Horizontal Adjustable Joint	THJ	1.0	10T	50	2H	210	210L	Epoxy	(C)	Orange	1
		1.2	12T	75	3H	250	250L	Electro-galvanized	(V)	Green	2
		1.5	15T	100	4H	300	300L			White	3
Vertical Adjustable Joint	TVJ	2.0	20T	125	5H	340	340L	Aluminium	(A)	Blue	4
		2.5	25T	150	6H			Galvanized Iron	(G)	Red	5
		3.0	30T							Beige	6
										Grey	7
										Yellow	8
								Stainless Steel 304	(S4)		
								Stainless Steel 316	(S6)		
								HDG	(H)		

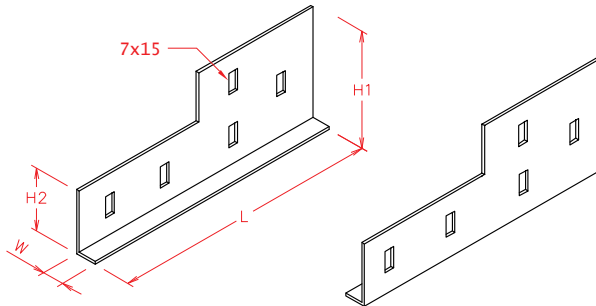
APPLICATION



* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE TRAY - ACCESSORIES

STEP DOWN JOINT



STEP DOWN JOINT

Tray (H)	W	H1	H2	L
H=125~100	15	119	94	190
H=150~100		144	94	
H=150~125		144	119	

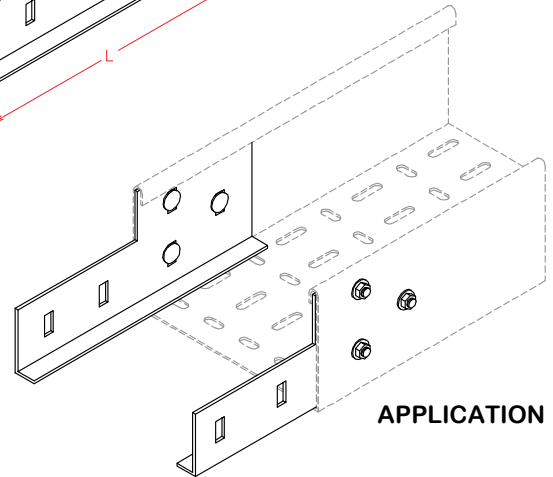
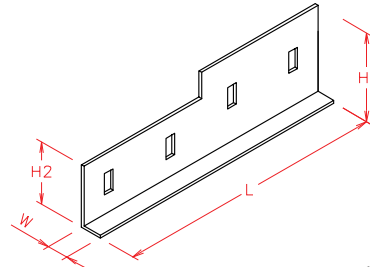
Fastener



NOTE : 1) Step Down Joint is include M6 Carriage Bolt fastener
H=50~H=100 (4 sets/pc) & H=125~H=150 (6 sets/pc)
2) Thickness 2.0mm above will used Tray(H)-10mm

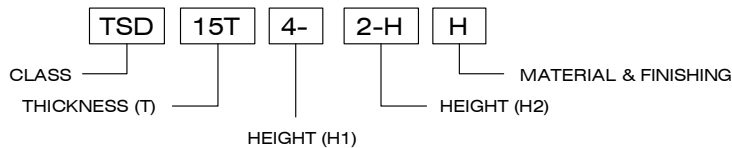
STEP DOWN JOINT

Tray (H)	W	H1	H2	L
H=100~50	15	94	44	190
H=100~75		94	69	



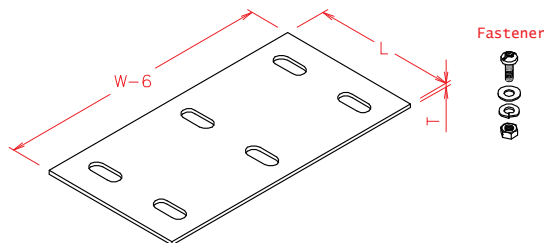
APPLICATION

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - STEP DOWN JOINT - CABLE TRAY (100H/50H)
- 1.5(T) 94/44(H) x 190(L)

FISH PLATE

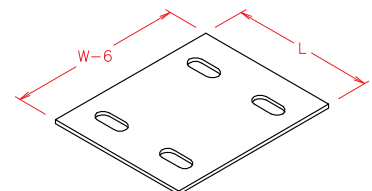


Fastener



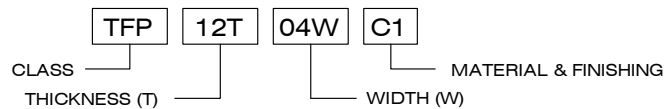
("U" TYPE ONLY)

Tray (W)	W-6	L	Hole Q'ty
50	44	80	2
75	69	80	4
100	94	80	4
150	144	80	6
200	194	80	6



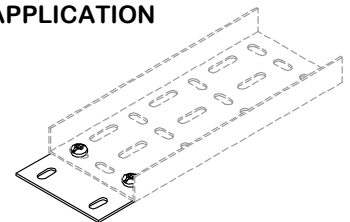
NOTE : 1) M6 Pan Head Bolt fastener include follow Hole Quantity
2) (T) will follow Cable Tray Thickness

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : EPOXY ORANGE - FISH PLATE JOINT - CABLE TRAY
- 1.2(T) 100(W) x 80(L)

APPLICATION

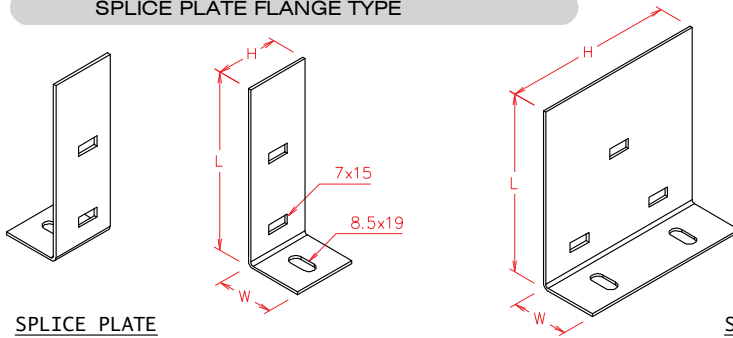


CLASS	CODE	(T)	CODE	(H1)	CODE	(H2)	CODE	(L)	CODE	MATERIAL	CODE	COATING CODE
Step Down Joint	TDJ	1.0	10T	75	3H	50	2H	190	190L	Epoxy	(C)	Orange 1
Fish Plate	TFP	1.2	12T	100	4H	75	3H	150	150L	Electro-galvanized	(V)	Green 2
		1.5	15T	125	5H	100	4H			Aluminium	(A)	White 3
		2.0	20T	150	6H	125	5H			Galvanized Iron	(G)	Blue 4
		2.5	25T			150						Red 5
		3.0	30T									Beige 6
										Stainless Steel 304	(S4)	Grey 7
										Stainless Steel 316	(S6)	Yellow 8
										HDG	(H)	

* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE TRAY - ACCESSORIES

SPLICE PLATE FLANGE TYPE



SPLICE PLATE

Tray (H)	W	H	L
H=50	40	44	150
H=75	40	69	150
H=100	40	94	150

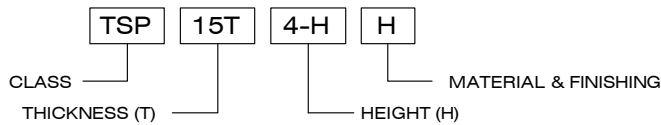


SPLICE PLATE

Tray (H)	W	H	L
H=125	40	119	150
H=150	40	144	150

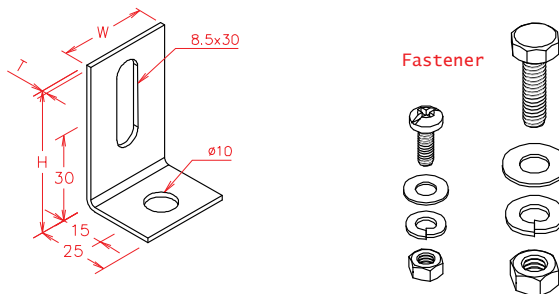
NOTE : Splice Plate Flange Type is include M6 Carriage Bolt fastener
H=50~H=100 (2 sets/pc) + M6 Hex Bolt fastener
& H=125~H=150 (3 sets/pc) + M6 Hex Bolt fastener

PRODUCT CODE DESCRIPTION



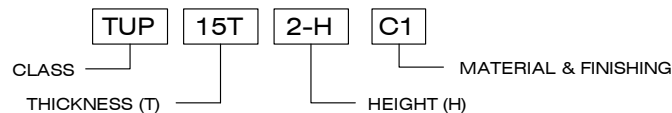
EXAMPLE DESCRIPTION : HDG - SPLICE PLATE - CABLE TRAY (100H)
- 1.5(T) 100(H) x 150(L)

SPLICE PLATE FOR 'U' TYPE



NOTE : Splice Plate 'U' Type is include M6 Pan Head Bolt + fastener
& M6 Hex Bolt + fastener

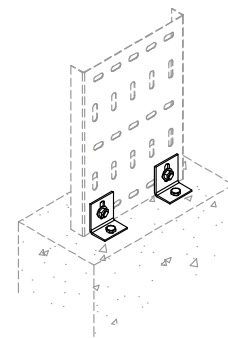
PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : EPOXY ORANGE - SPLICE PLATE 'U' TYPE - CABLE TRAY
- 1.5(T) 50(H) x 30(W)

CLASS	CODE	(T)	CODE	(H1)	CODE	(H2)	CODE	(L)	CODE	MATERIAL	CODE	COATING CODE
Step Down Joint	TDJ	1.0	10T	75	3H	50	2H	190	190L	Epoxy	(C)	Orange 1
Splice Plate	TSP	1.2	12T	100	4H	75	3H	150	150L	Electro-galvanized	(V)	Green 2
		1.5	15T	125	5H	100	4H			Aluminium	(A)	White 3
		2.0	20T	150	6H	125	5H			Galvanized Iron	(G)	Blue 4
		2.5	25T									Red 5
		3.0	30T									Beige 6
										Stainless Steel 304	(S4)	Grey 7
										Stainless Steel 316	(S6)	Yellow 8
										HDG	(H)	

("U" TYPE ONLY)

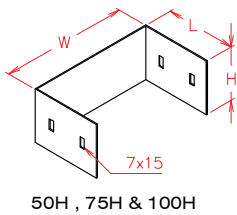


APPLICATION

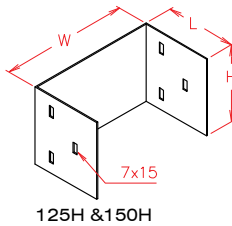
* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE TRAY - ACCESSORIES

END PLATE



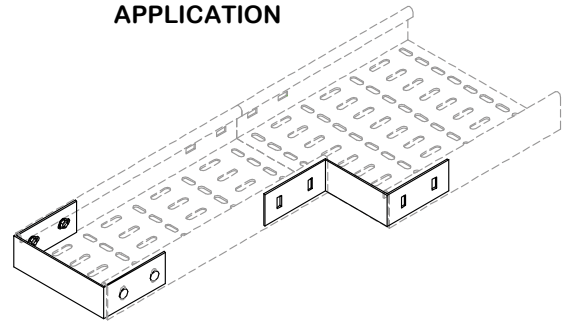
Tray (H)	*H	L
50H	44	100
75H	69	
100H	94	
125H	119	
150H	144	



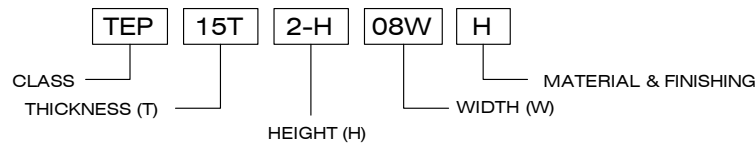
125H & 150H

- NOTE : 1) End Plate is include M6 Carriage Bolt fastener
H=50~H=100 (4 sets/pc) & H=125~H=150 (6 stes/pc)
2) (W) to fit Cable Tray with -3mm Clearance
3) Thickness 2.0mm above will used Tray(H)-10mm

APPLICATION

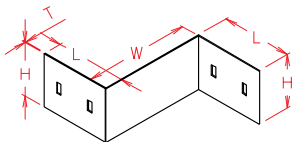


PRODUCT CODE DESCRIPTION



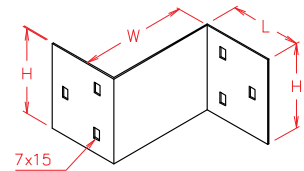
EXAMPLE DESCRIPTION : HDG - END PLATE - CABLE TRAY (50H)
- 1.5(T) 44(H) x 200(W)

REDUCER PLATE



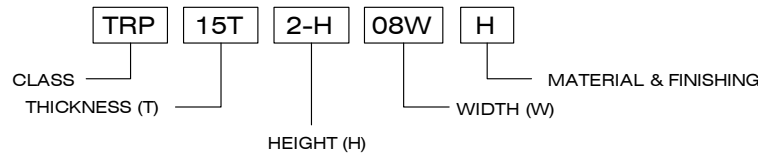
FOR 50H,
75H & 100H

- NOTE : 1) End Plate is include M6 Carriage Bolt fastener
H=50~H=100 (4 sets/pc) & H=125~H=150 (6 stes/pc)
2) (W) to follow Cable Tray Width
3) Thickness 2.0mm above will used Tray(H)-10mm



FOR 125H & 150H

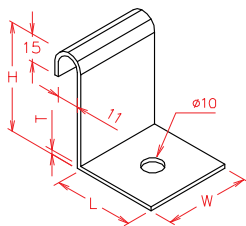
PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - REDUCER PLATE - CABLE TRAY (50H)
- 1.5(T) 44(H) x 200(W)

Tray (H)	*H	L
50H	44	100
75H	69	
100H	94	
125H	119	
150H	144	

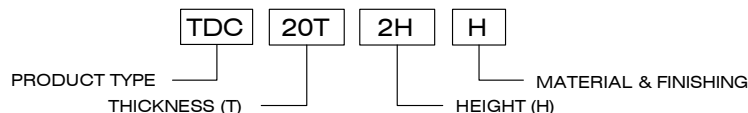
HOLD DOWN CLAMP - FLANGE TYPE



HOLD DOWN CLAMP FLANGE TYPE	W	L
	40	40
	38	

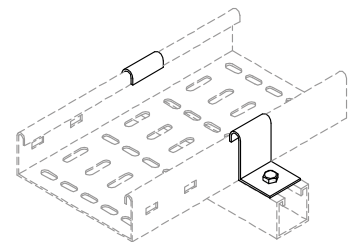
- NOTE : 1) Hold Down Clamp is include M8 Hex. Bolt,
Nut, Flat & Spring Washer
2) (H) to fit Cable Tray Height

PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : HDG - HOLD DOWN CLAMP FLANGE TYPE - CABLE TRAY (50H) - 2.0(T)

APPLICATION

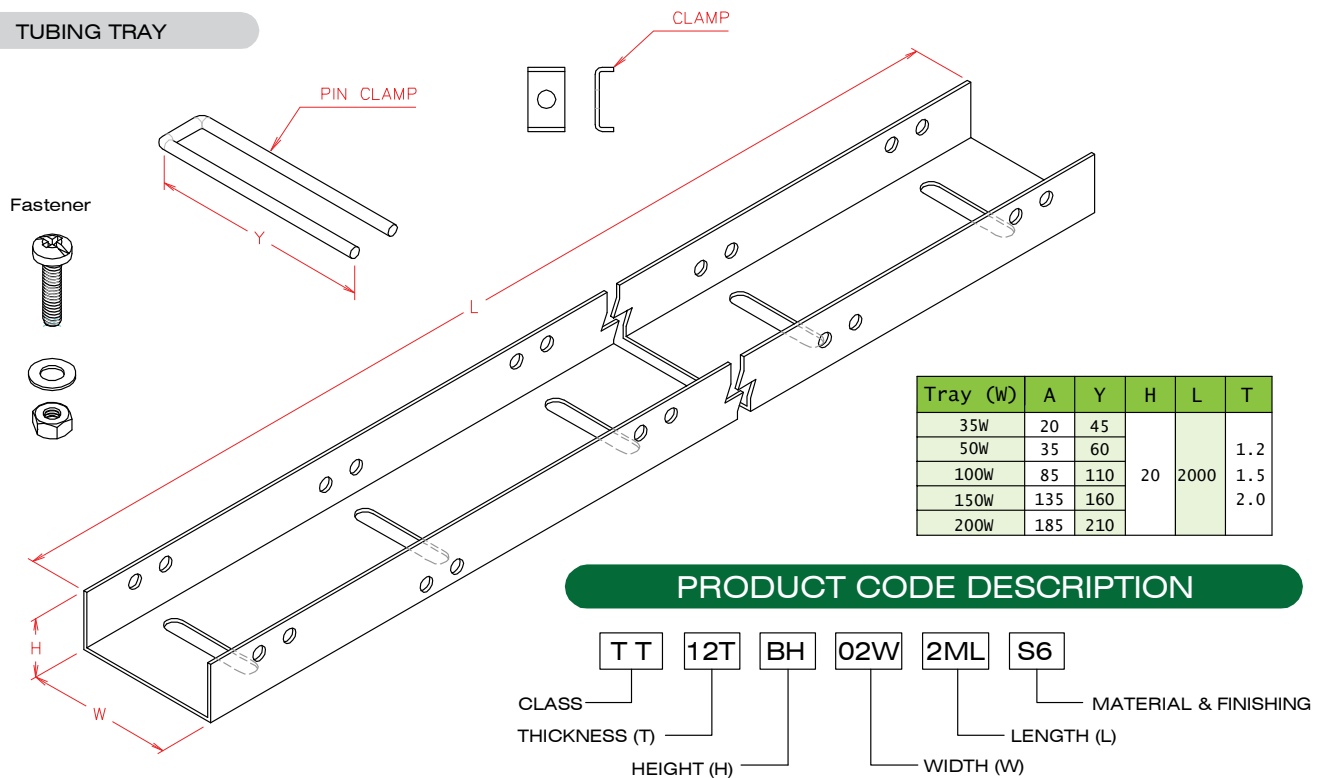


CLASS	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL CODE	COATING CODE
End Plate	TEP	1.0	10T	50	2H	Refer to		100	100L	Refer to	Refer to
Reducer Plate	TRP	1.5	15T	75	3H	Page (4)				Page (4)	Page (4)
		2.0	20T	100	4H						
Splice Plate "U"	TUP	2.5	25T	125	5H						
Hold Down Clamp Flange Type	TDC	3.0	30T	150	6H						

* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

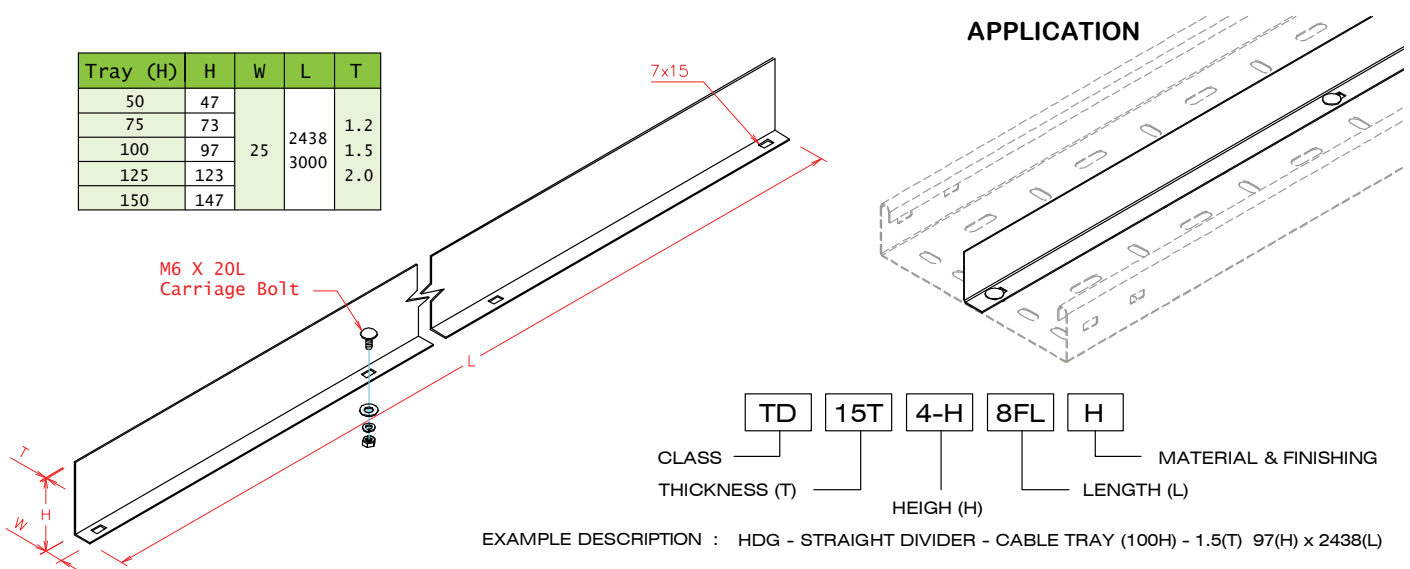
CABLE TRAY - ACCESSORIES

TUBING TRAY



EXAMPLE DESCRIPTION : STAINLESS STEEL 316 - TUBING TRAY - 1.2(T) 20(H) x 50(W) X 2000(L)

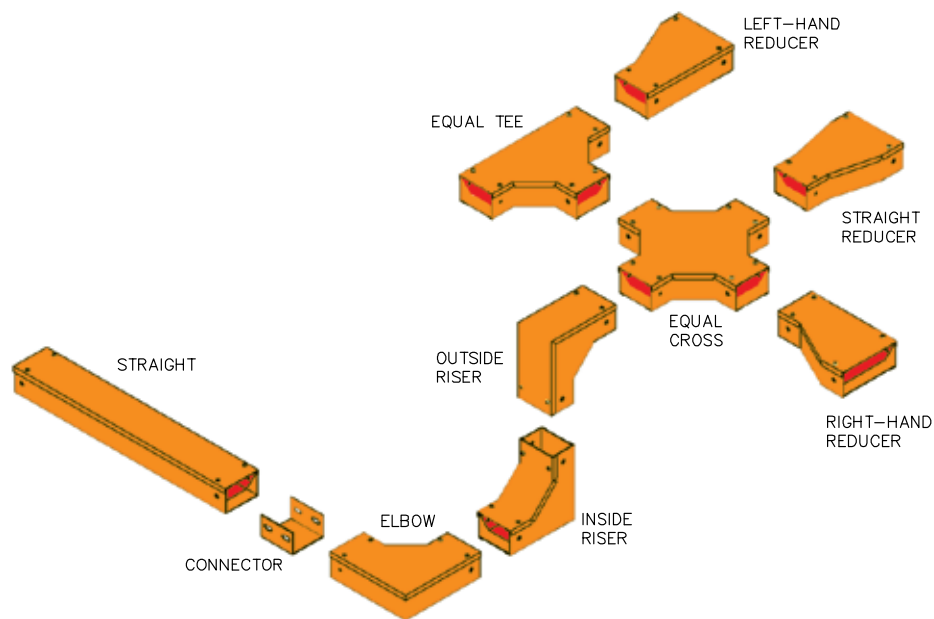
CABLE TRAY - STRAIGHT DIVIDER



CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Tubing Tray	TT	Straight	S	1.2	12T	20	BH	50	02W	2000	2ML	Epoxy	(C)	Orange	1
Tray Divider	TD			1.5	15T	50	2H	100	04W	3000	3ML	Electro-galvanized	(V)	Green	2
				2.0	20T	75	3H	150	06W	2438	8FL	Aluminium	(A)	White	3
						100	4H	200	08W	3000	3ML	Galvanized Iron	(G)	Blue	4
						125	5H	300	12W					Red	5
						150	6H							Beige	6
												Stainless Steel 304	(S4)	Grey	7
												Stainless Steel 316	(S6)	Yellow	8
												HDG	(H)		

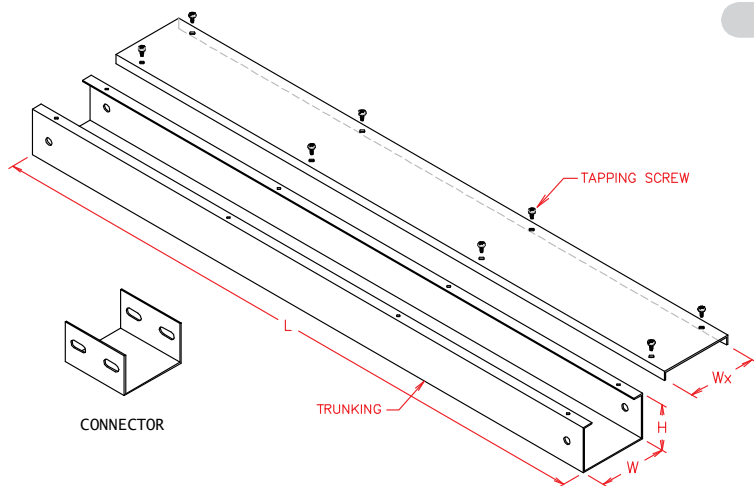
* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

CABLE TRUNKING & COMPONENTS ASSEMBLY GUIDE

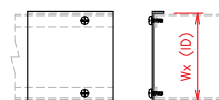


* A Prefabricated Metal Structure Consisting Of One Piece Box Channel Section

CABLE TRUNKING - STRAIGHT

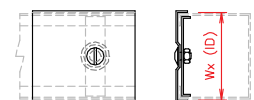


SCREW TYPE

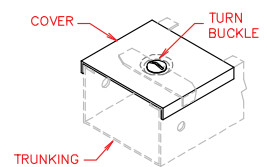


DETAIL OF SCREW

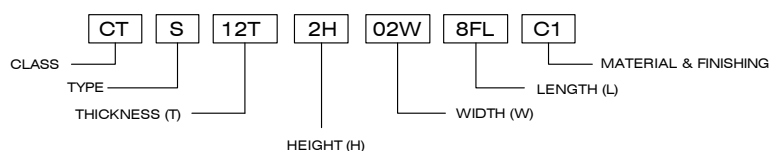
TURN BUCKLE



DETAIL OF TURN BUCKLE



PRODUCT CODE DESCRIPTION



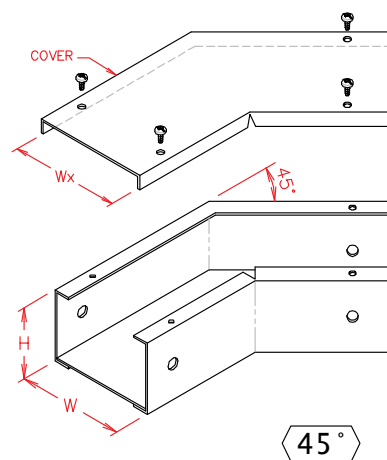
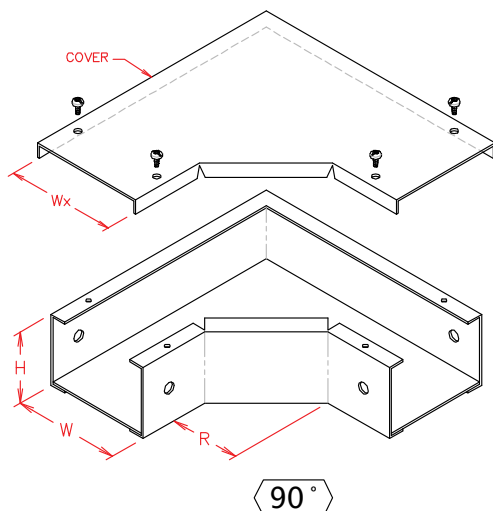
EXAMPLE DESCRIPTION : EPOXY ORANGE - STRAIGHT
- CABLE TRUNKING WITH COVER SCREW TYPE
- 1.2(T) 50(H) x 100(W) x 2438(L)

- NOTE : 1) Cable Trunking are provide Cover, Connector & fastener.
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

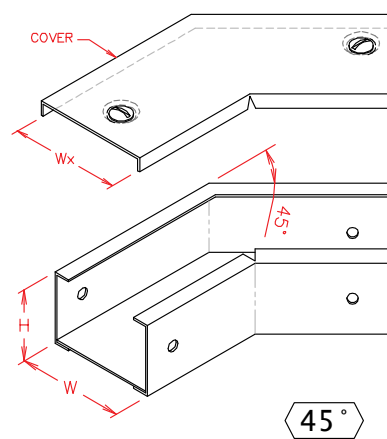
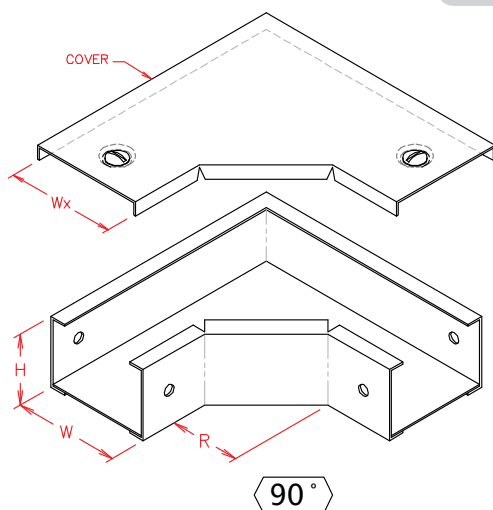
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Screw Type	CT	Straight	S	0.8	08T	25	1H	50	02W	1219	4FL	Epoxy	C	Orange	1
Trunking				1.0	10T	50	2H	75	03W	2438	8FL	Electro-galvanized	V	Green	2
Turn Buckle	CB			1.2	12T	75	3H	100	04W	3000	3ML	Aluminium	A	White	3
Trunking				1.5	15T	100	4H	150	06W			Galvanized Iron	G	Blue	4
				2.0	20T	125	5H	200	08W					Red	5
				2.5	25T	150	6H	300	12W					Beige	6
												Stainless Steel 304	S4	Grey	7
												Stainless Steel 316	S6	Yellow	8
												HDG	H		

CABLE TRUNKING - HORIZONTAL FLAT ELBOW

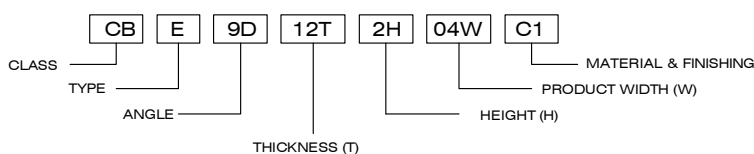
SCREW TYPE



TURN BUCKLE



PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : EPOXY ORANGE - 90 DEG HORIZONTAL FLAT ELBOW
- CABLE TRUNKING WITH COVER TURN BUCKLE TYPE
- 1.2(T) 50(H) x 100(W)

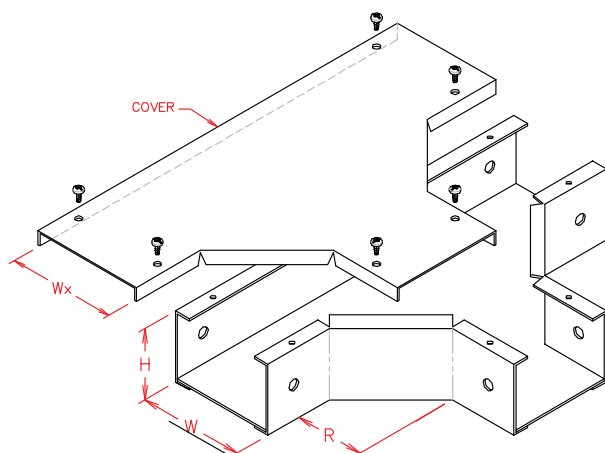
- NOTE : 1) Cable Trunking are provide Cover, Connector & fastener.
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	ANGLE CODE	(T) CODE	(H) CODE	(W) CODE	MATERIAL CODE	COATING CODE
Screw Type Trunking	CT	Flat Elbow	E	45 DEG 4D 90 DEG 9D	0.8 08T 1.0 10T 1.2 12T 1.5 15T 2.0 20T 2.5 25T	25 1H 50 2H 75 3H 100 4H 125 5H 150 6H	50 02W 75 03W 100 04W 150 06W 200 08W 300 12W	Epoxy C Electro-galvanized V Aluminium A Galvanized Iron G Stainless Steel 304 S4 Stainless Steel 316 S6 HDG H	Orange 1 Green 2 White 3 Blue 4 Red 5 Beige 6 Grey 7 Yellow 8
Turn Buckle Trunking	CB								

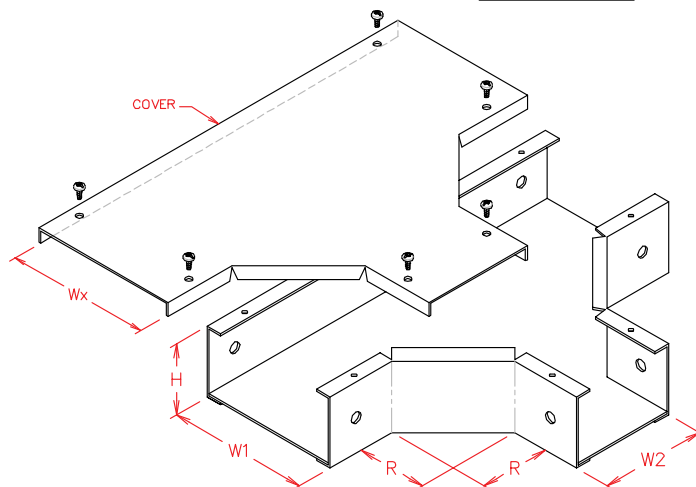
CABLE TRUNKING - HORIZONTAL TEE

SCREW TYPE

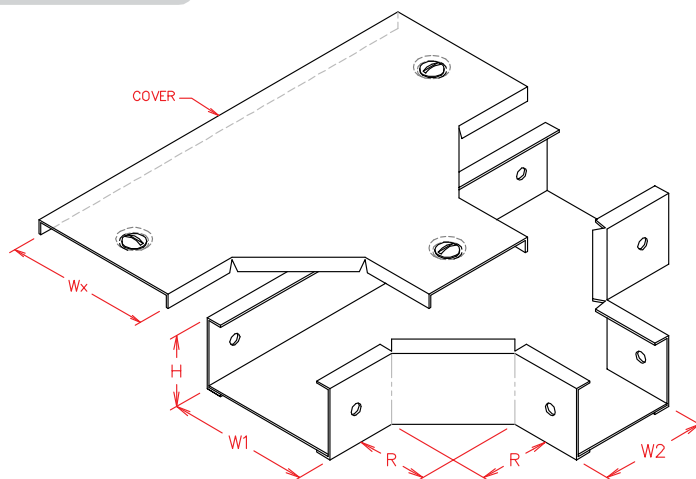
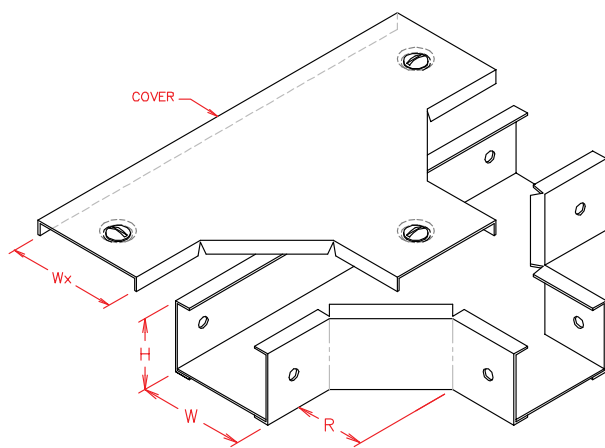
EQUAL TEE



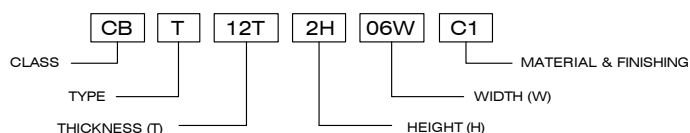
UNEQUAL TEE



TURN BUCKLE



PRODUCT CODE DESCRIPTION



EXAMPLE DESCRIPTION : EPOXY ORANGE - HORIZONTAL EQUAL TEE
- CABLE TRUNKING WITH COVER TURN BUCKLE TYPE
- 1.2(T) 50(H) x 150(W)

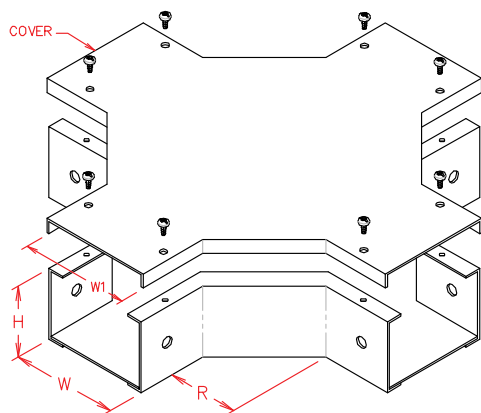
- NOTE :
- 1) Cable Trunking are provide Cover, Connector & fastener.
 - 2) Wx is measure Inside Dimension & additional 3mm clearance.
 - 3) (HDG) Hot Dip Galvanized after fabricate.
 - 4) All dimensions are in millimeters (mm) unless notes otherwise.
 - 5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Screw Type Trunking	CT	Equal Tee	T	0.8	08T	25	1H	50	02W	50	02W	Epoxy	C	Orange	1
		Unequal Tee	Q	1.0	10T	50	2H	75	03W	75	03W	Electro-galvanized	V	Green	2
Turn Buckle Trunking	CB			1.2	12T	75	3H	100	04W	100	04W			White	3
				1.5	15T	100	4H	150	06W	150	06W	Aluminium	A	Blue	4
				2.0	20T	125	5H	200	08W	200	08W	Galvanized Iron	G	Red	5
				2.5	25T	150	6H	300	12W	300	12W			Beige	6
												Stainless Steel 304	S4	Grey	7
												Stainless Steel 316	S6	Yellow	8
												HDG	H		

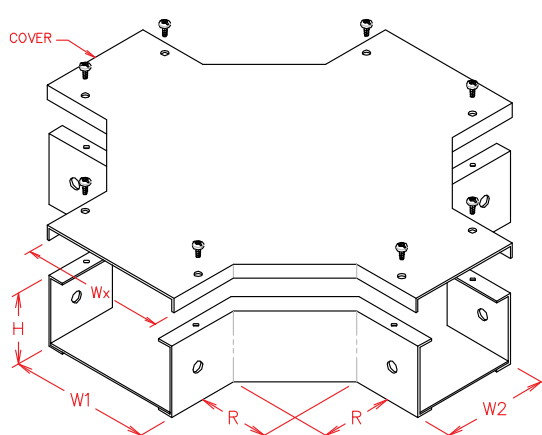
CABLE TRUNKING - HORIZONTAL CROSS

SCREW TYPE

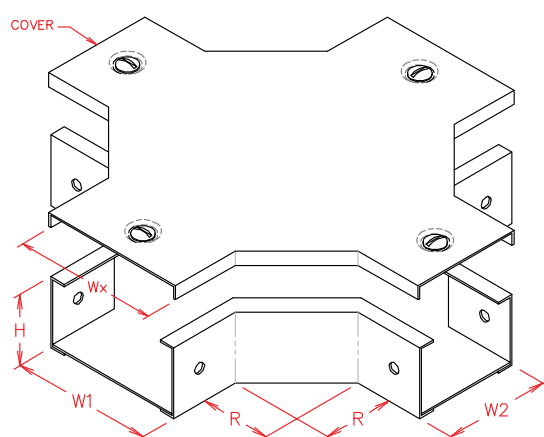
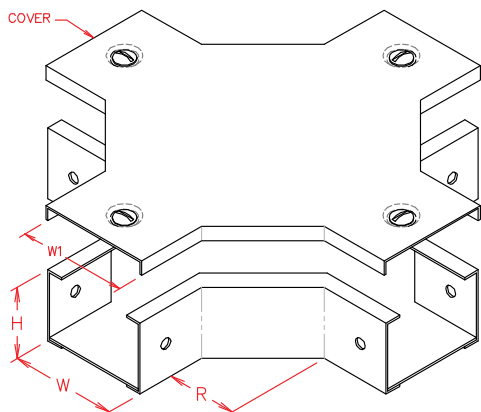
EQUAL CROSS



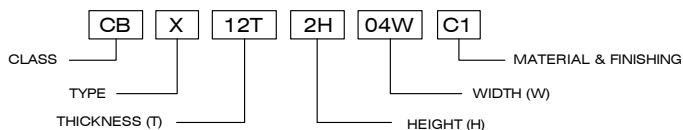
UNEQUAL CROSS



TURN BUCKLE



PRODUCT CODE DESCRIPTION



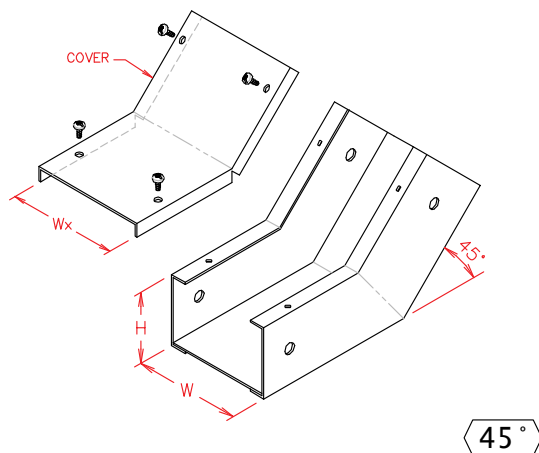
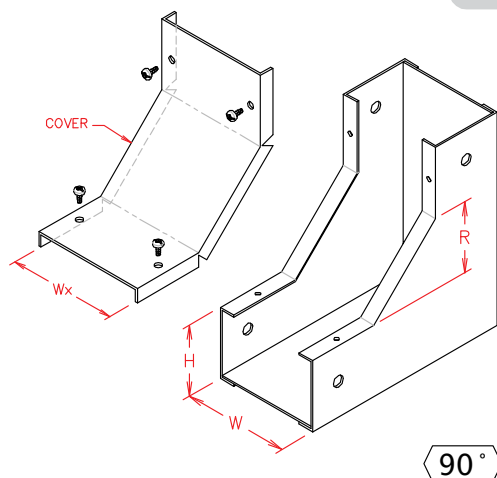
EXAMPLE DESCRIPTION : EPOXY ORANGE - HORIZONTAL EQUAL CROSS
- CABLE TRUNKING WITH COVER TURN BUCKLE TYPE
- 1.2(T) 50(H) x 150(W)

- NOTE : 1) Cable Trunking are provide Cover, Connector & fastener.
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

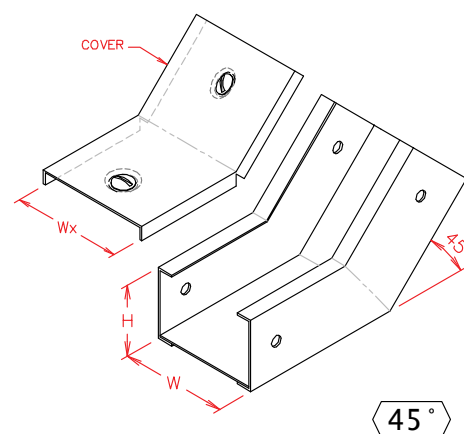
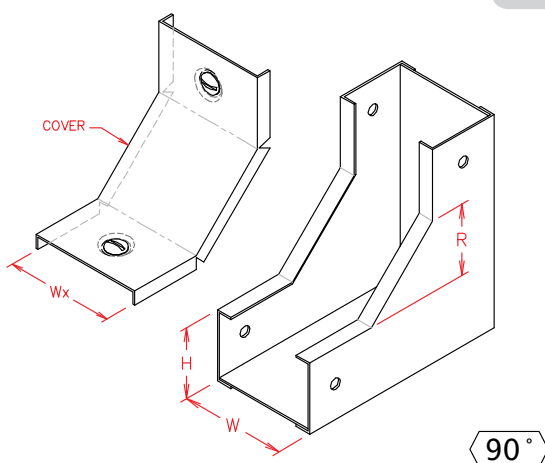
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Screw Type Trunking	CT	Equal Cross	X	0.8	08T	25	1H	75	03W	50	02W	Epoxy	C	Orange	1
Turn Buckle Trunking	CB	Unequal Cross	C	1.0	10T	50	2H	100	04W	75	03W	Electro-galvanized	V	Green	2
				1.2	12T	75	3H	150	06W	100	04W	Galvanized Iron	G	White	3
				1.5	15T	100	4H	200	08W	150	06W	Aluminium	A	Blue	4
				2.0	20T	125	5H	300	12W	200	08W	Galvanized Iron	G	Red	5
				2.5	25T	150	6H					Stainless Steel 304	S4	Beige	6
												Stainless Steel 316	S6	Grey	7
												HDG	H	Yellow	8

CABLE TRUNKING - VERTICAL INSIDE RISER

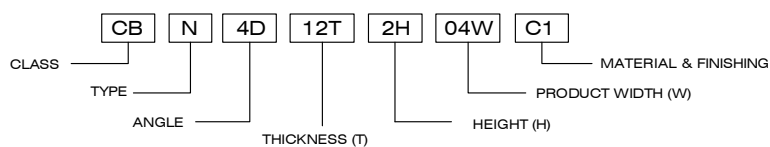
SCREW TYPE



TURN BUCKLE



PRODUCT CODE DESCRIPTION



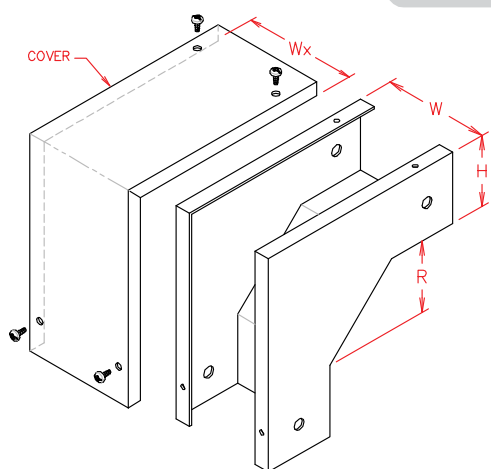
EXAMPLE DESCRIPTION : EPOXY ORANGE - 45 DEG VERTICAL INSIDE RISER
- CABLE TRUNKING WITH COVER SCREW TYPE
- 1.2(T) 50(H) x 100(W)

- NOTE : 1) Cable Trunking are provide Cover, Connector & fastener.
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

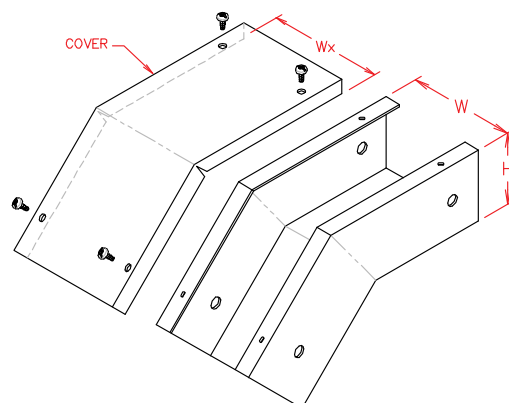
CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	MATERIAL	CODE	COATING	CODE
Screw Type Trunking	CT	Inside Riser	N	45 DEG	4D	0.8	08T	25	1H	50	02W	Epoxy	C	Orange	1
				90 DEG	9D	1.0	10T	50	2H	75	03W	Electro-galvanized	V	Green	2
						1.2	12T	75	3H	100	04W			White	3
						1.5	15T	100	4H	150	06W	Aluminium	A	Blue	4
						2.0	20T	125	5H	200	08W	Galvanized Iron	G	Red	5
						2.5	25T	150	6H	300	12W			Beige	6
Turn Buckle Trunking	CB											Stainless Steel 304	S4	Grey	7
												Stainless Steel 316	S6	Yellow	8
												HDG	H		

CABLE TRUNKING - VERTICAL OUTSIDE RISER

SCREW TYPE

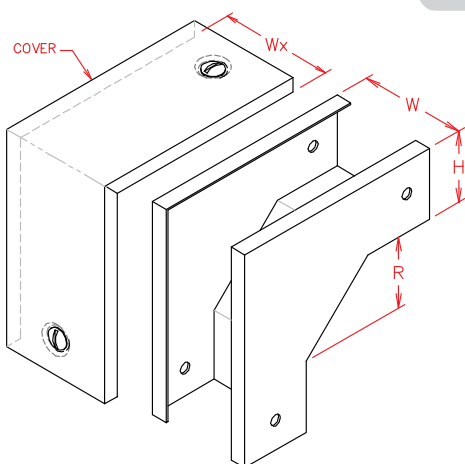


90°

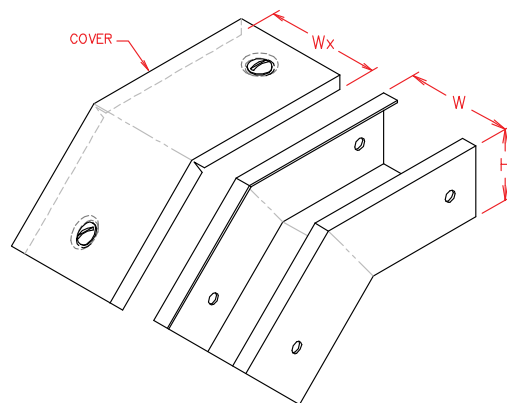


45°

TURN BUCKLE

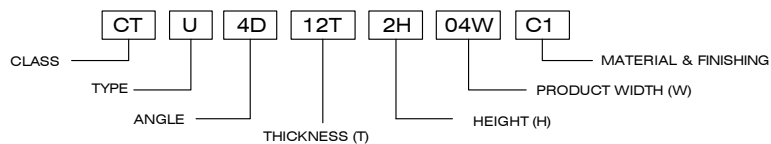


90°



45°

PRODUCT CODE DESCRIPTION



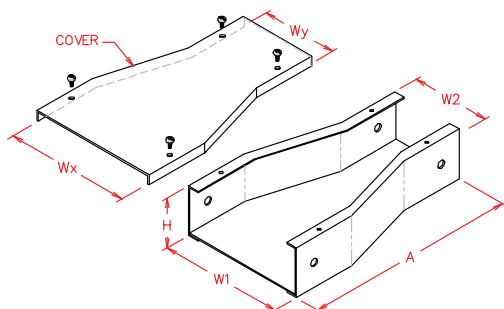
EXAMPLE DESCRIPTION : EPOXY ORANGE - 45 DEG VERTICAL OUTSIDE RISER
- CABLE TRUNKING WITH COVER SCREW TYPE
- 1.2(T) 50(H) x 100(W)

- NOTE : 1) Cable Trunking are provide Cover, Connector & fastener.
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

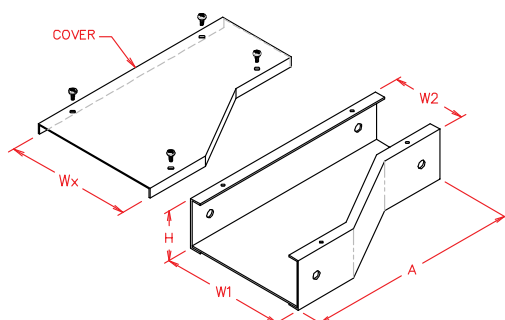
CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	MATERIAL	CODE	COATING	CODE
Screw Type Trunking	CT	Outside Riser	U	45 DEG	4D	0.8	08T	25	1H	50	02W	Epoxy	C	Orange	1
				90 DEG	9D	1.0	10T	50	2H	75	03W	Electro-galvanized	V	Green	2
						1.2	12T	75	3H	100	04W			White	3
						1.5	15T	100	4H	150	06W	Aluminium	A	Blue	4
						2.0	20T	125	5H	200	08W	Galvanized Iron	G	Red	5
						2.5	25T	150	6H	300	12W			Beige	6
												Stainless Steel 304	S4	Grey	7
												Stainless Steel 316	S6	Yellow	8
												HDG	H		

CABLE TRUNKING - HORIZONTAL REDUCER

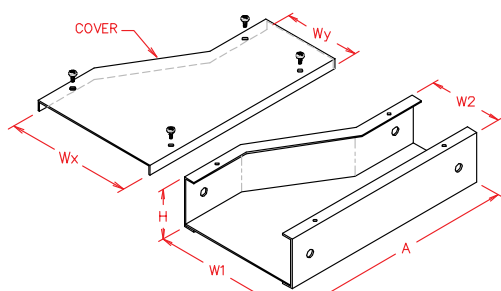
SCREW TYPE



STRAIGHT REDUCER

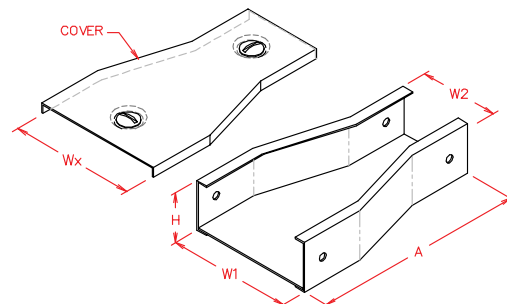


LEFT-HAND REDUCER

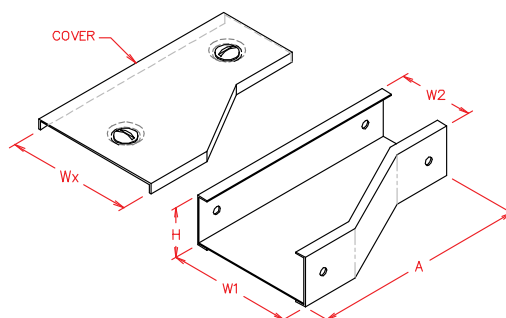


RIGHT-HAND REDUCER

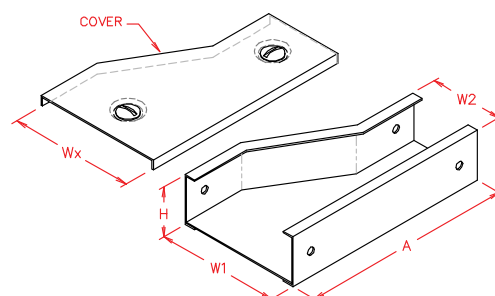
TURN BUCKLE



STRAIGHT REDUCER

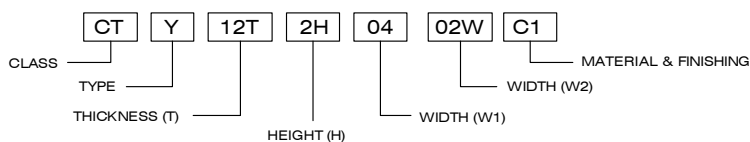


LEFT-HAND REDUCER



RIGHT-HAND REDUCER

PRODUCT CODE DESCRIPTION

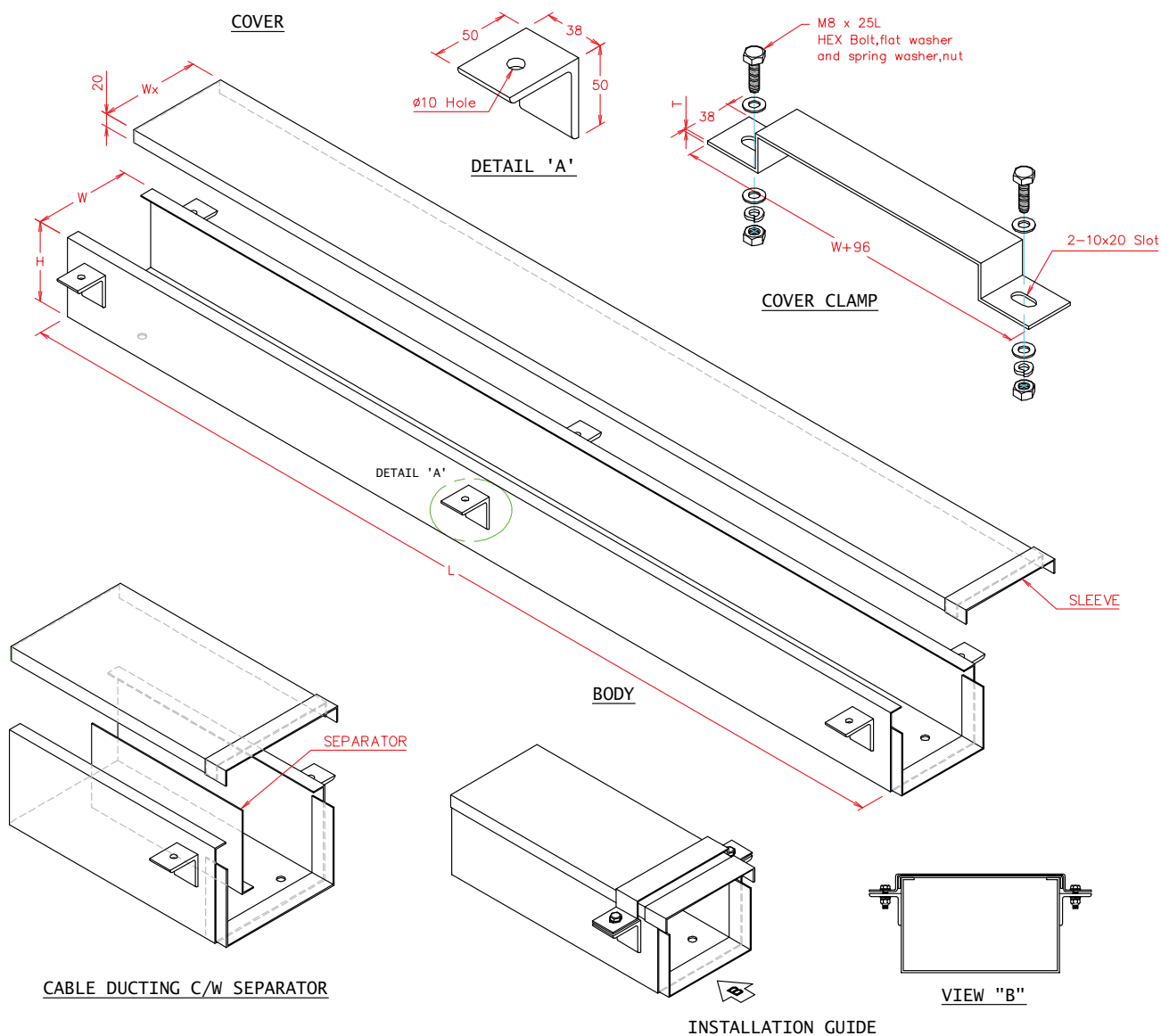


EXAMPLE DESCRIPTION : EPOXY ORANGE - HORIZONTAL STRAIGHT REDUCER
- CABLE TRUNKING WITH COVER SCREW TYPE
- 1.2(T) 50(H) x 100(W1) x 50(W2)

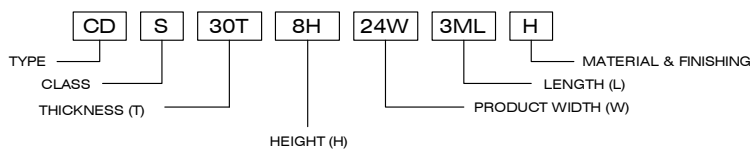
- NOTE : 1) Cable Trunking are provide Cover, Connector & fastener.
2) Wx & Wy is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) A = 300mm Length
5) All dimensions are in millimeters (mm) unless notes otherwise.
6) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Screw Type Trunking	CT	Straight Reducer	Y	0.8	08T	25	1H	50	02W	50	02W	Epoxy	C	Orange	1
Turn Buckle Trunking	CB	Left-Hand Reducer	L	1.0	10T	50	2H	75	03W	75	03W	Electro-galvanized	V	Green	2
				1.2	12T	75	3H	100	04W	100	04W			White	3
				1.5	15T	100	4H	150	06W	150	06W	Aluminium	A	Blue	4
				2.0	20T	125	5H	200	08W	200	08W	Galvanized Iron	G	Red	5
				2.5	25T	150	6H	300	12W	300	12W			Beige	6
		Right-Hand Reducer	R									Stainless Steel 304	S4	Grey	7
												Stainless Steel 316	S6	Yellow	8
												HDG	H		

CABLE DUCTING - STRAIGHT SECTION



PRODUCT CODE DESCRIPTION

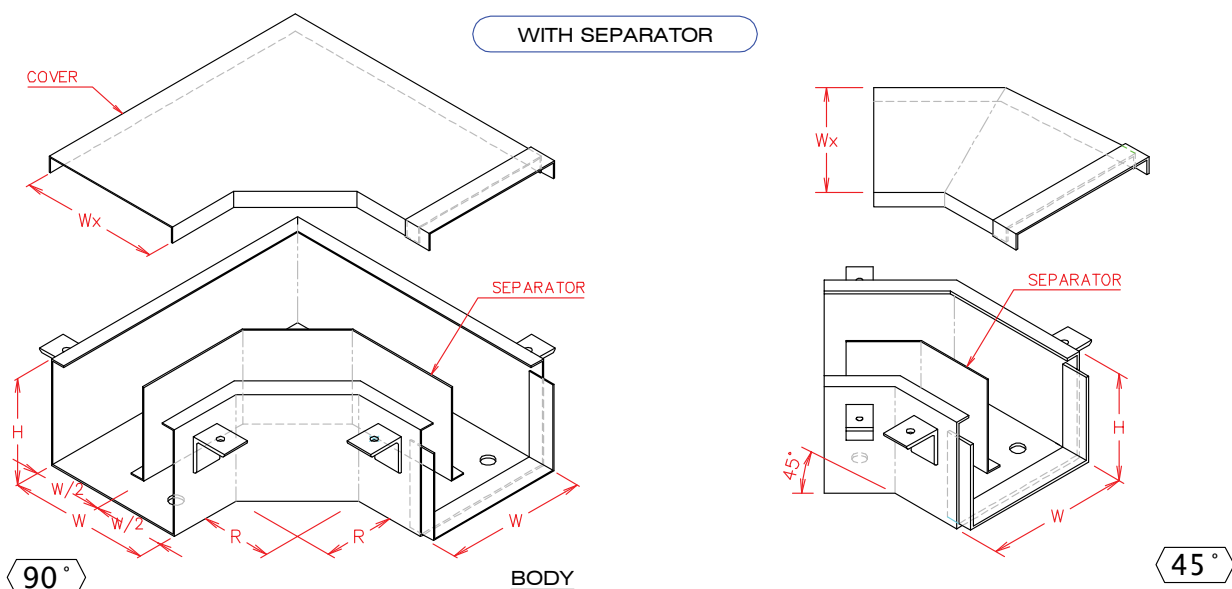
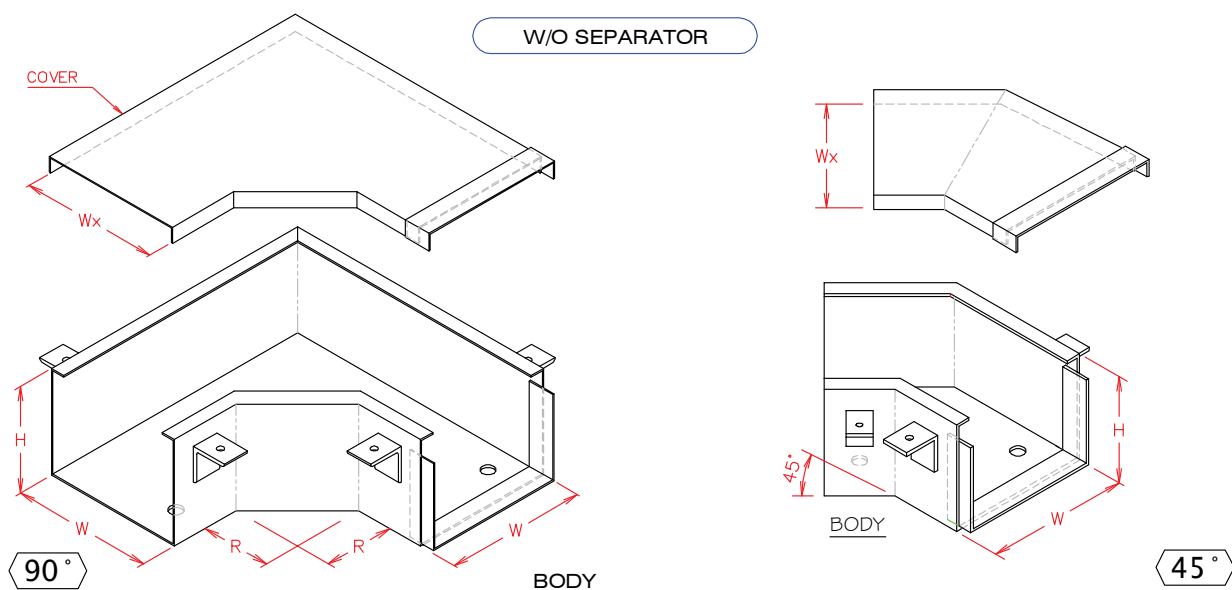


EXAMPLE DESCRIPTION : HDG - STRAIGHT
- CABLE DUCTING WITH COVER & CLAMP
- 3.0(T) 200(H) x 600(W) x 3000(L)

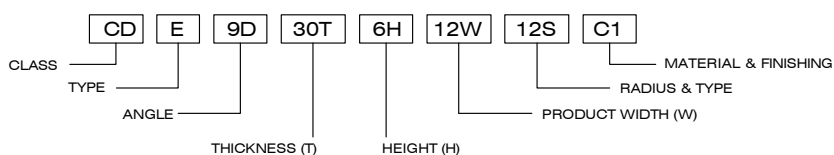
- NOTE : 1) Cable Ducting are provide Cover, Connector & fastener
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDC) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(L)	CODE	MATERIAL	CODE	COATING	CODE
Cable Ducting	CD	Straight	S	2.0	20T	100	4H	150	06	1500	5FL	Epoxy	C	Orange	1
				2.3	23T	150	6H	200	08	2438	8FL			Green	2
		Straight	SS	2.5	25T	200	8H	300	12	3000	3ML	Electro-galvanized	V	White	3
				3.0	30T	300	12H	450	18					Blue	4
		Separator		4.0	40T	400	16H	600	24			Galvanized Iron	G	Red	5
								750	30			Stainless Steel 304	S4	Beige	6
								800	32					Grey	7
								900	36			Stainless Steel 316	S6	Yellow	8
								1000	40						
												HDG	H		

CABLE DUCTING - HORIZONTAL FLAT ELBOW



PRODUCT CODE DESCRIPTION

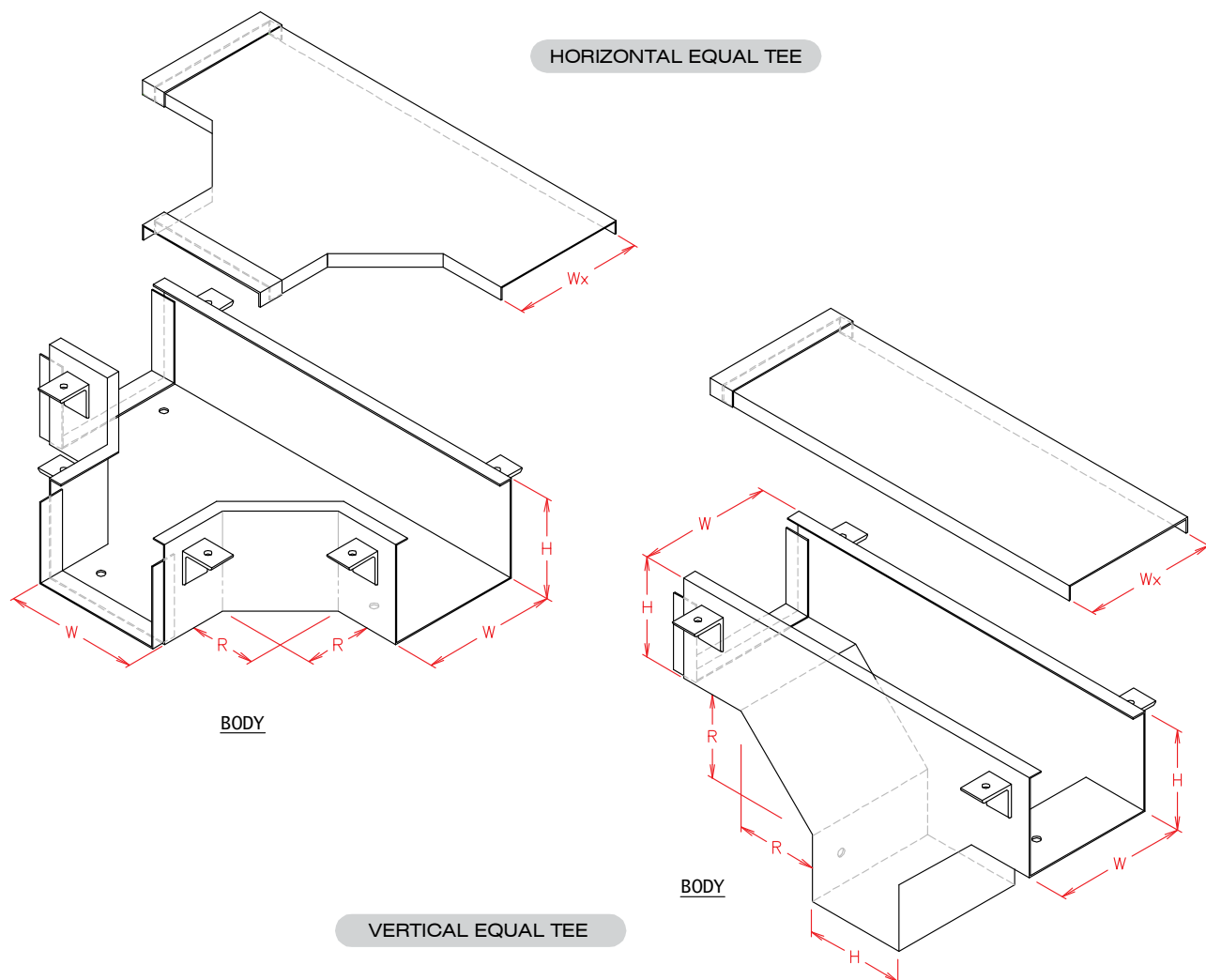


EXAMPLE DESCRIPTION : HDG - 90 DEG HORIZONTAL FLAT ELBOW
- CABLE DUCTING WITH COVER & CLAMP
- 3.0(T) 150(H) x 300(W) R=300 (Straight Radius)

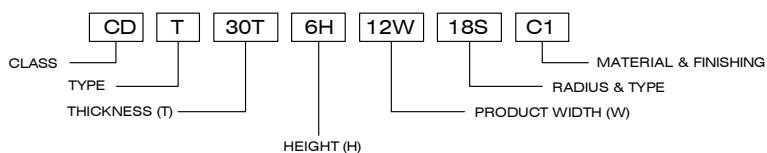
- NOTE : 1) Cable Ducting are provide Cover, Connector & fastener
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Cable Ducting	CD	Elbow	E	45 DEG	4D	2.0	20T	100	4H	150	06	300	12	Epoxy	C	Orange	1
				90 DEG	9D	2.3	23T	150	6H	200	08	450	18	Electro-galvanized	V	Green	2
		Elbow Separator	ES			2.5	25T	200	8H	300	12	600	24	Galvanized Iron	G	White	3
						3.0	30T	300	12H	450	18	750	30			Blue	4
						4.0	40T	400	16H	600	24	900	36			Red	5
										750	30			Stainless Steel 304	S4	Beige	6
										800	32	(RT)	CODE			Grey	7
										900	36	Curve	C	Stainless Steel 316	S6	Yellow	8
										1000	40	Straight	S	HDG	H		

CABLE DUCTING - HORIZONTAL & VERTICAL TEE



PRODUCT CODE DESCRIPTION



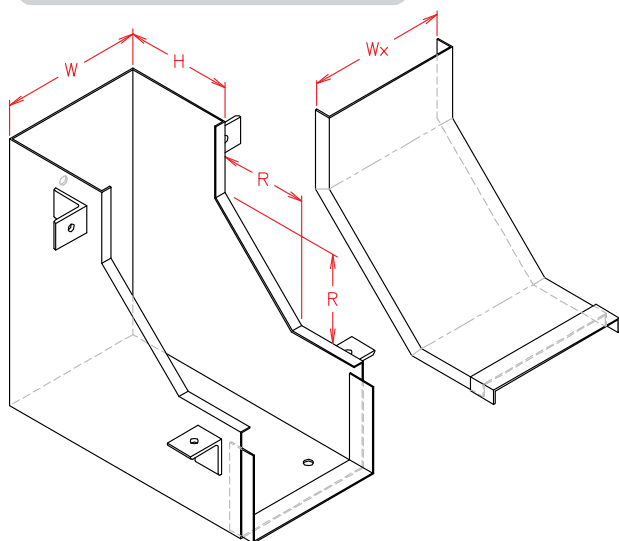
EXAMPLE DESCRIPTION : HDG - HORIZONTAL EQUAL TEE
- CABLE DUCTING WITH COVER & CLAMP
- 3.0(T) 150(H) x 300(W) R=450 (Straight Radius)

- NOTE : 1) Cable Ducting are provide Cover, Connector & fastener.
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

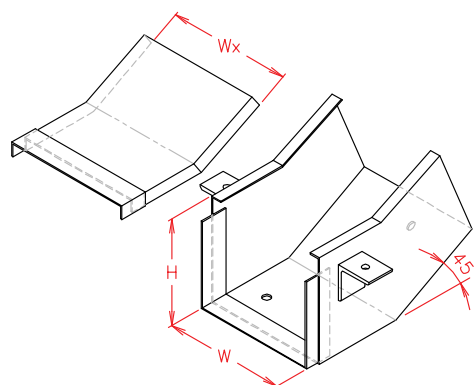
CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W/W1)	CODE	(W2)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Cable Ducting	CD	Equal Tee	T	2.0	20T	100	4H	200	08	150	06W	300	12	Epoxy	C	Orange	1
				2.3	23T	150	6H	300	12	200	08W	450	18	Electro-galvanized	V	Green	2
		Separator	TS	2.5	25T	200	8H	450	18	300	12W	600	24			White	3
		Unequal Tee	Q	3.0	30T	300	12H	600	24	450	18W	750	30	Galvanized Iron	G	Blue	4
				4.0	40T	400	16H	750	30	600	24W	900	36			Red	5
		Separator	QS					800	32	750	30W			Stainless Steel 304	S4	Beige	6
								900	36	800	32W			Stainless Steel 316	S6	Grey	7
		Vertical Tee	V					1000	40	900	36W					Yellow	8
		Separator	VS											HDG	H		
												(RT) CODE					

CABLE DUCTING - VERTICAL INSIDE & OUTSIDE RISER

90 DEG VERTICAL INSIDE RISER

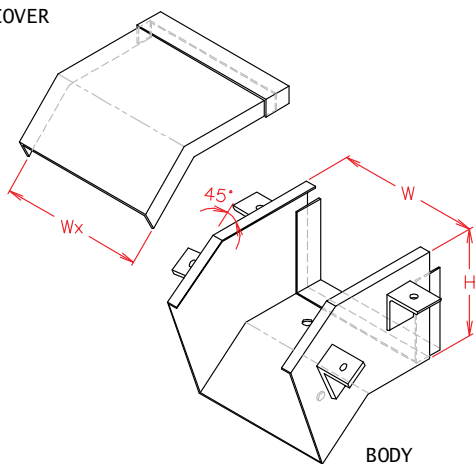


45 DEG VERTICAL INSIDE RISER



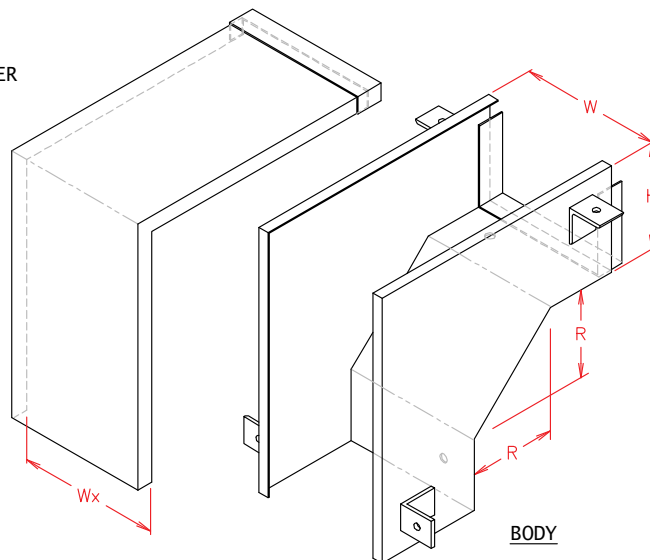
90 DEG VERTICAL OUTSIDE RISER

COVER



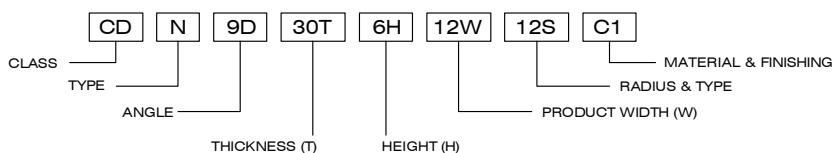
BODY

COVER



BODY

PRODUCT CODE DESCRIPTION



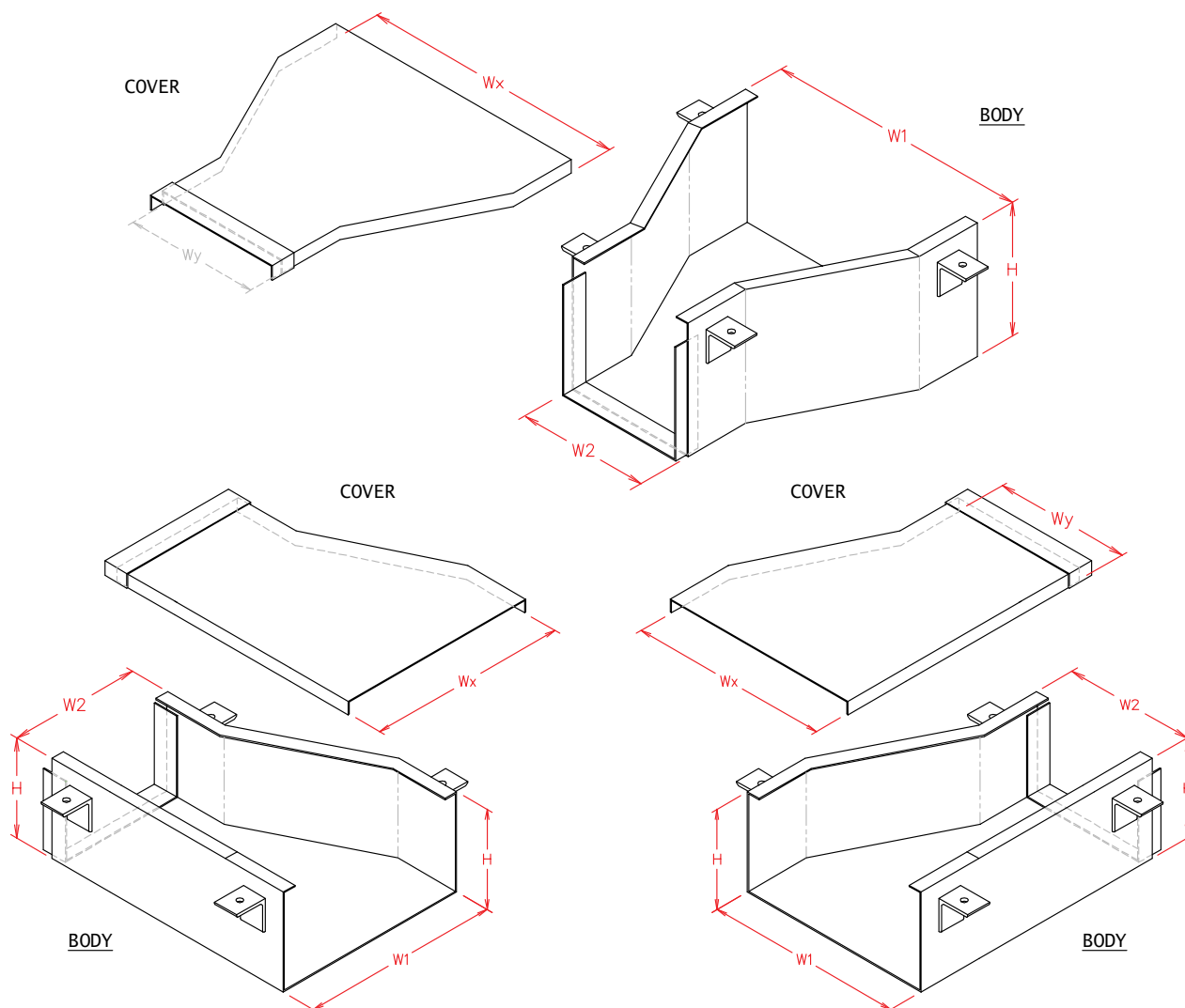
EXAMPLE DESCRIPTION : HDG - 90 DEG VERTICAL INSIDE RISER
- CABLE DUCTING WITH COVER & CLAMP
- 3.0(T) 150(H) x 300(W) R=300 (Straight Radius)

- NOTE : 1) Cable Ducting are provide Cover, Connector & fastener
2) Wx is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	ANGLE	CODE	(T)	CODE	(H)	CODE	(W)	CODE	(R)	CODE	MATERIAL	CODE	COATING	CODE
Cable Ducting	CD	Inside Riser	N	45 DEG	4D	2.0	20T	100	4H	150	06	300	12	Epoxy	C	Orange	1
				90 DEG	9D	2.3	23T	150	6H	200	08	450	18	Electro-galvanized	V	Green	2
		Inside Separator	NS			2.5	25T	200	8H	300	12	600	24			White	3
						3.0	30T	300	12H	450	18	750	30	Galvanized Iron	G	Blue	4
		Outside Riser	U			4.0	40T	400	16H	600	24	900	36			Red	5
										750	30			Stainless Steel 304	S4	Beige	6
		Outside Separator	US							800	32	(RT)	CODE			Grey	7
										900	36	Curve	C	Stainless Steel 316	S6	Yellow	8
										1000	40	Straight	S	HDG	H		

CABLE DUCTING - HORIZONTAL REDUCER

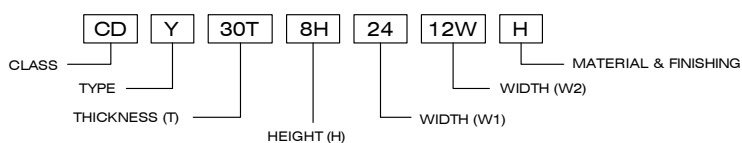
STRAIGHT REDUCER



LEFT-HAND REDUCER

RIGHT-HAND REDUCER

PRODUCT CODE DESCRIPTION

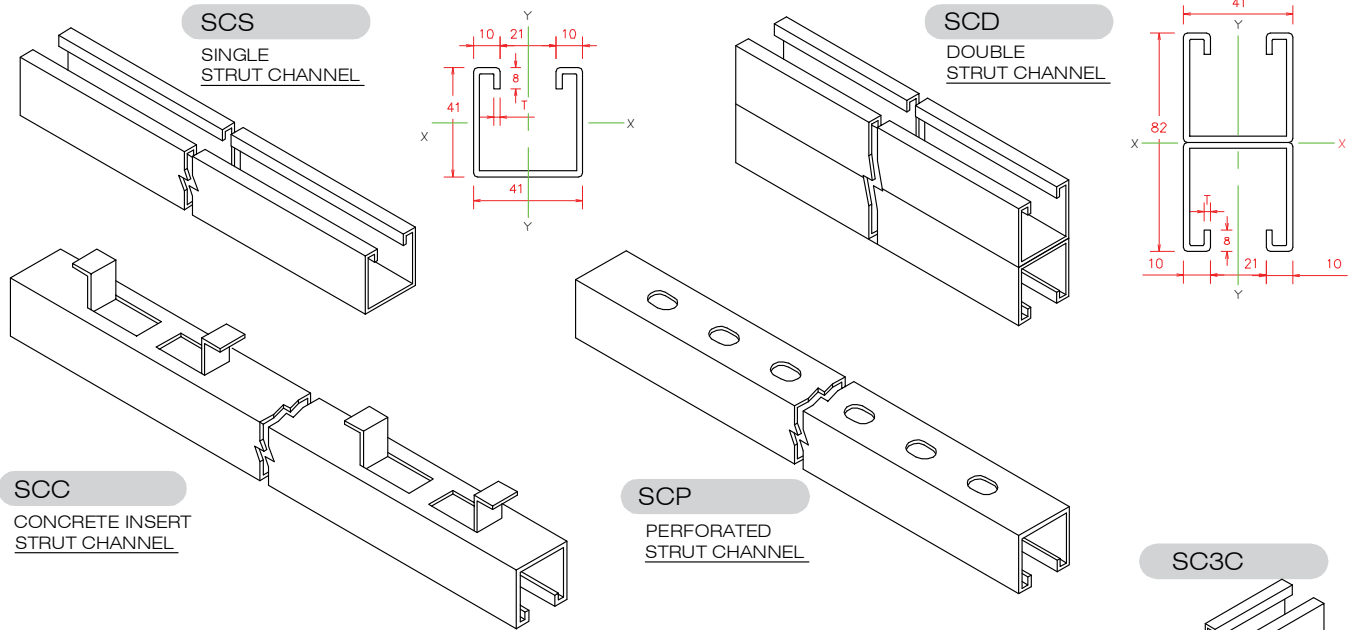


EXAMPLE DESCRIPTION : HDG - HORIZONTAL STRAIGHT REDUCER
- CABLE DUCTING WITH COVER & CLAMP
- 3.0(T) 200(H) x 600(W1) / 300(W2)

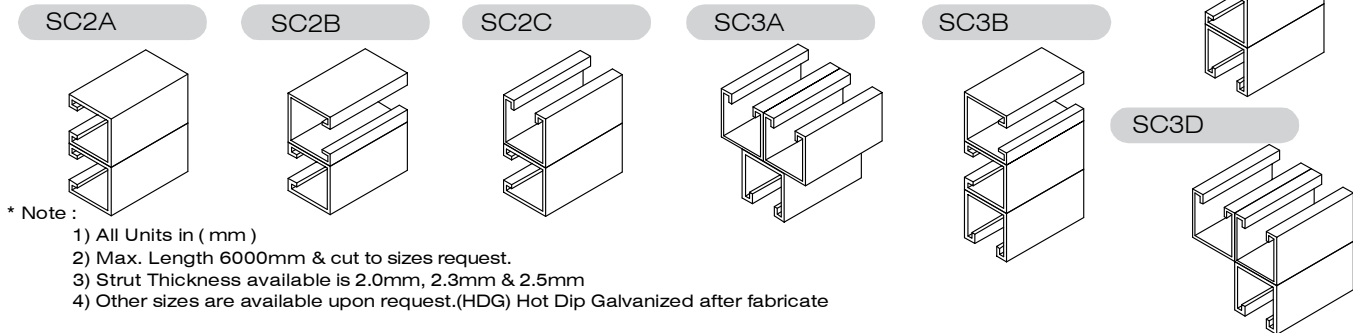
- NOTE : 1) Cable Ducting are provide Cover, Connector & fastener.
2) Wx & Wy is measure Inside Dimension & additional 3mm clearance.
3) (HDG) Hot Dip Galvanized after fabricate.
4) All dimensions are in millimeters (mm) unless notes otherwise.
5) Other sizes are available upon request.

CLASS	CODE	TYPE	CODE	(T)	CODE	(H)	CODE	(W1)	CODE	(W2)	CODE	MATERIAL	CODE	COATING	CODE
Cable Ducting	CD	Straight Reducer	Y	2.0	20T	100	4H	200	08	150	06W	Epoxy	C	Orange	1
				2.3	23T	150	6H	300	12	200	08W	Electro-galvanized	V	Green	2
		Left-Hand Reducer	L	2.5	25T	200	8H	450	18	300	12W	Galvanized Iron	G	White	3
				3.0	30T	300	12H	600	24	450	18W			Blue	4
				4.0	40T	400	16H	750	30	600	24W			Red	5
		Right-Hand Reducer	R					800	32	750	30W	Stainless Steel 304	S4	Beige	6
								900	36	800	32W			Grey	7
								1000	40	900	36W	Stainless Steel 316	S6	Yellow	8
												HDG	H		

SUPPORT CHANNEL & ACCESSORIES

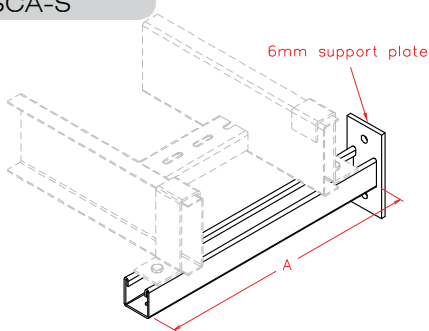


COMBINATION CHANNELS



CANTILEVER ARM

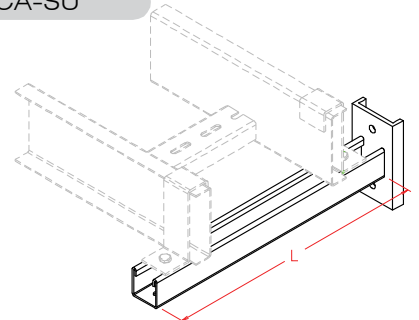
SCA-S



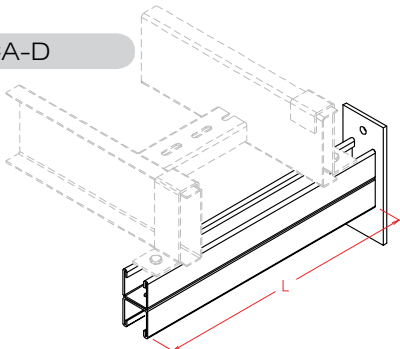
Product Code	T	W	A
SCA-S-150	2.0	150	300
SCA-S-300		300	450
SCA-S-450	2.5	450	600
SCA-S-600		600	750

* Note : SCA-SU Code will be SCA-SU-XXX

SCA-SU



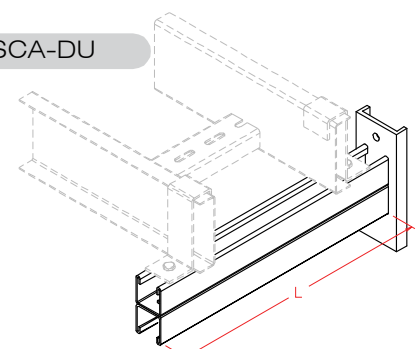
SCA-D



Product Code	T	W	A
SCA-D-150	2.0	150	300
SCA-D-300		300	450
SCA-D-450	2.5	450	600
SCA-D-600		600	750
SCA-D-750	2.5	750	900
SCA-D-900		900	1050

* Note : SCA-DU Code will be SCA-DU-XXX

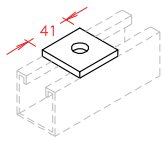
SCA-DU



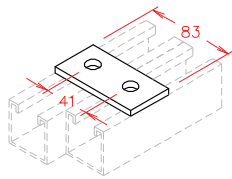
* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

SUPPORT CHANNEL & ACCESSORIES

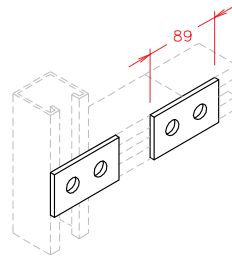
SA 619



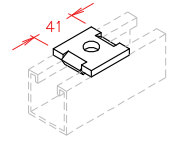
SA 620



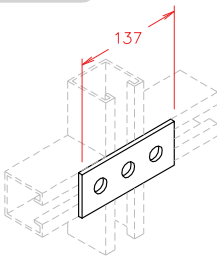
SA 6201



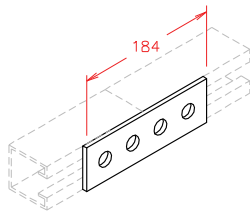
SA 629



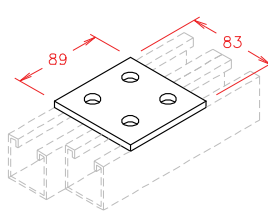
SA 602



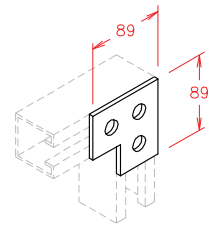
SA 888



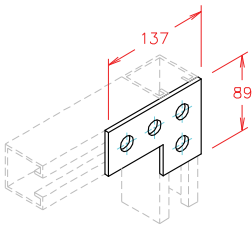
SA 621



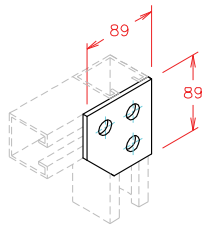
SA 718



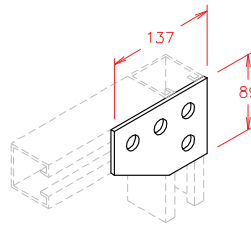
SA 750 A



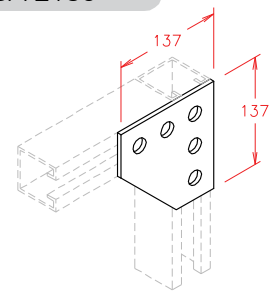
SA 744



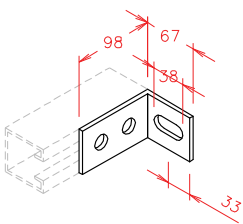
SA 750



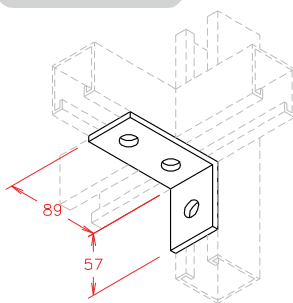
SA 2190



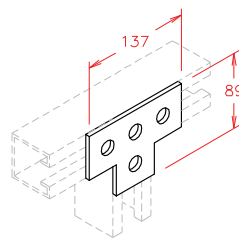
SA 3049



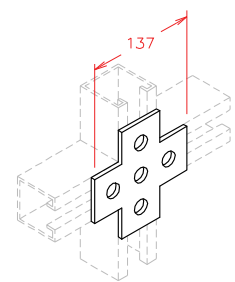
SA 605



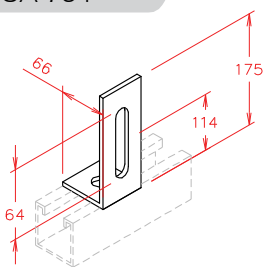
SA 714



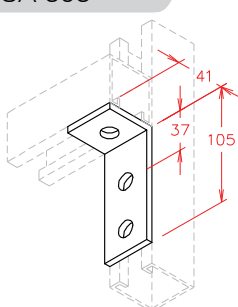
SA 712



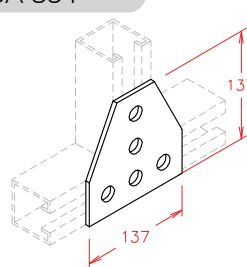
SA 764



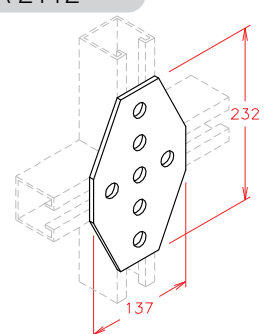
SA 606



SA 854

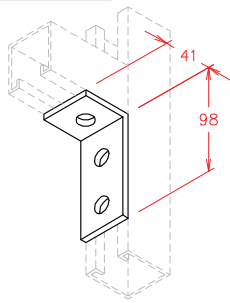


SA 2112

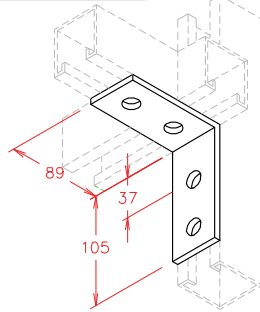


* note: 1) All Mat. 6mm(T). 2) All Units in (mm). 3) Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

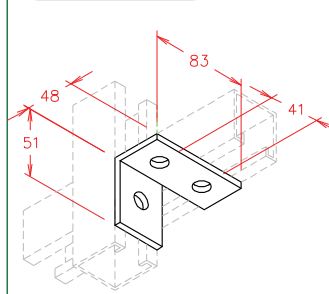
SA 745



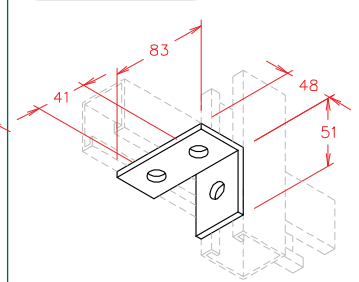
SA 607



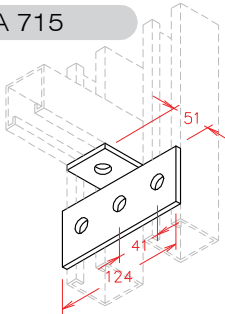
SA 720R



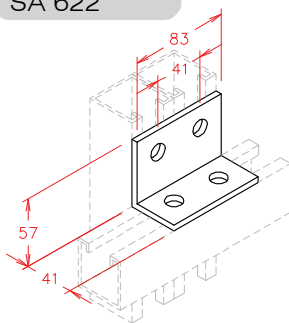
SA 720L



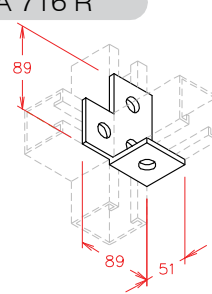
SA 715



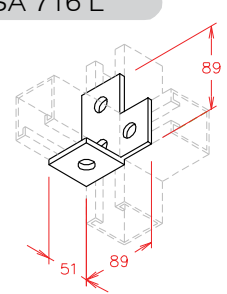
SA 622



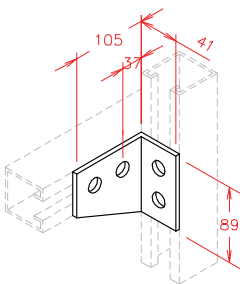
SA 716 R



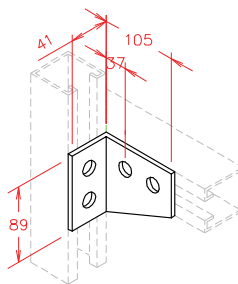
SA 716 L



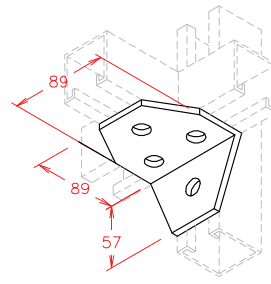
SA 752 R



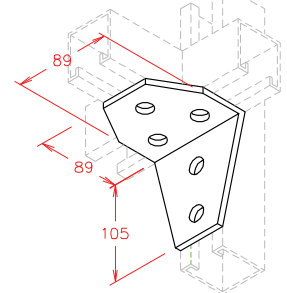
SA 752 L



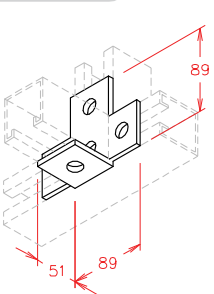
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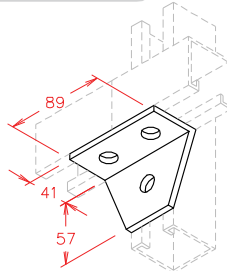
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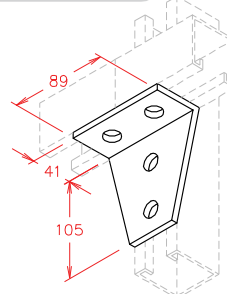
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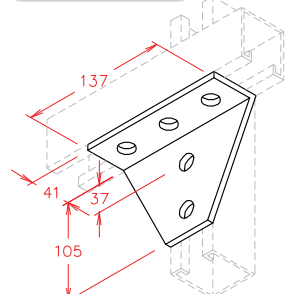
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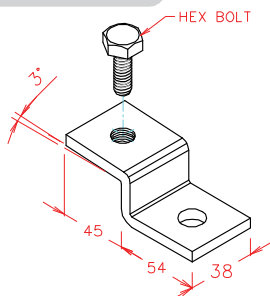
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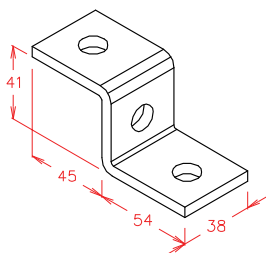
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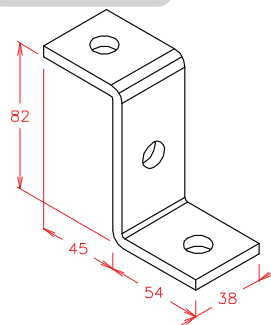
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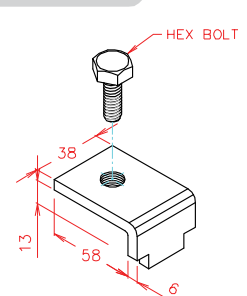
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SA 756



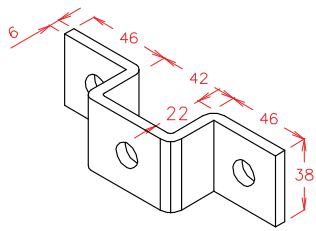
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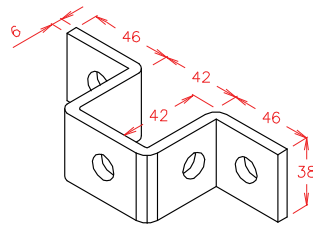
* note: 1) All Mat. 6mm(T). 2) All Units in (mm). 3) Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

SUPPORT CHANNEL & ACCESSORIES

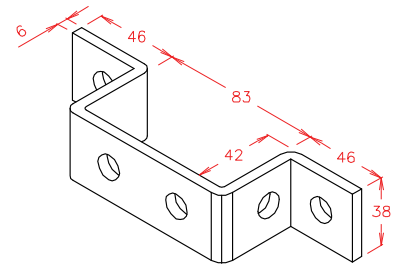
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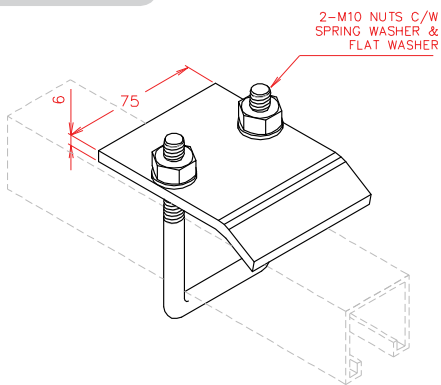
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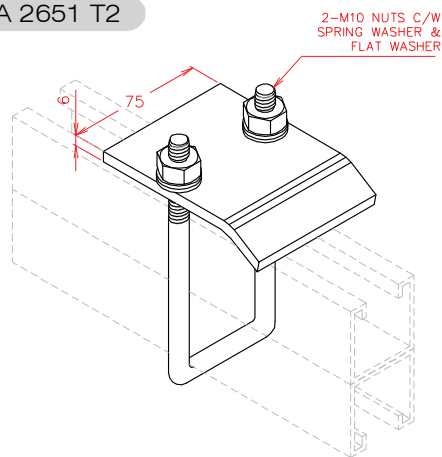
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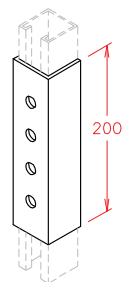
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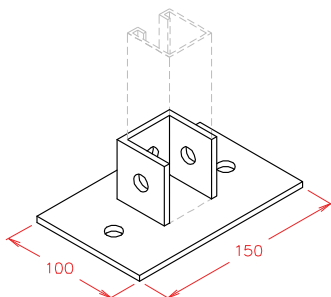
SA 2651 T2



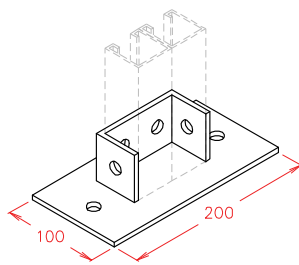
SA 616



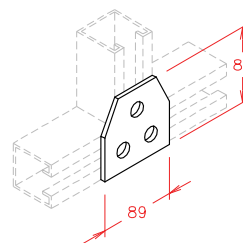
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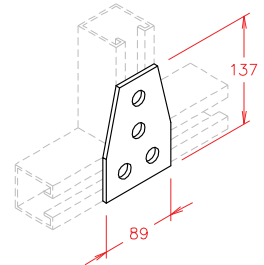
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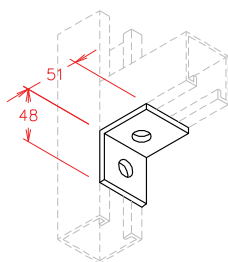
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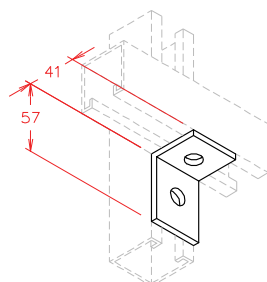
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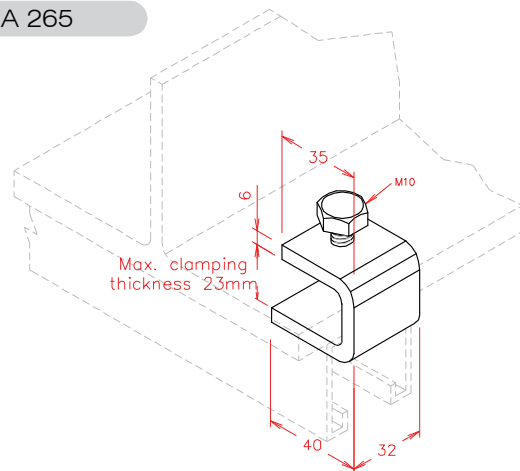
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SA 604



SA 265

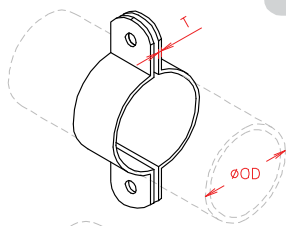


* note: 1) All Mat. 6mm(T). 2) All Units in (mm). 3) Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

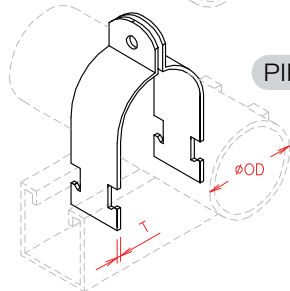
PIPE / CONDUIT CLAMPS



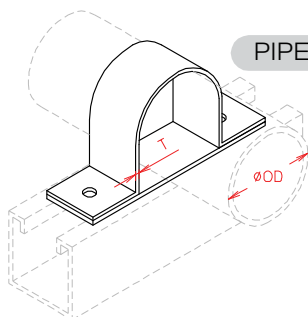
PIPE HANGER



PIPE CLAMP



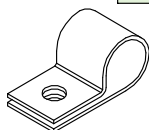
PIPE GUIDE



CONDUCTOR CLAMP



PVC CLAMP



CONDUCTOR CLIPS

Product Code	Material & Finishing*	Nominal Size		O.D Size (mm)	Thickness (mm)
		inch	mm		
PH19*	Mild Steel & Hot Dip Galvanized	3/4"	20	26.7	2.0
PH25*		1"	25	33.4	2.0
PH31*		1 1/4"	32	42.2	2.0
PH38*		1 1/2"	40	48.3	2.5
PH50*		2"	50	60.3	2.5
PH63*		2 1/2"	65	73.0	2.5
PH76*	Stainless Steel 304	3"	80	88.9	2.5
PH101*		4"	100	114.3	3.0

Product Code	Material & Finishing*	Nominal Size		O.D Size (mm)	Thickness (mm)
		inch	mm		
PCC19*	Mild Steel & Hot Dip Galvanized	3/4"	20	26.7	2.0
PCC25*		1"	25	33.4	2.0
PCC31*		1 1/4"	32	42.2	2.0
PCC38*		1 1/2"	40	48.3	2.5
PCC50*		2"	50	60.3	2.5
PCC63*		2 1/2"	65	73.0	2.5
PCC76*	Stainless Steel 304	3"	80	88.9	2.5
PCC101*		4"	100	114.3	3.0

Product Code	Material & Finishing*	Nominal Size		O.D Size (mm)	Thickness (mm)
		inch	mm		
PG19*	Mild Steel & Hot Dip Galvanized	3/4"	20	26.7	2.0
PG25*		1"	25	33.4	2.0
PG31*		1 1/4"	32	42.2	2.0
PG38*		1 1/2"	40	48.3	2.5
PG50*		2"	50	60.3	2.5
PG63*		2 1/2"	65	73.0	2.5
PG76*	Stainless Steel 304	3"	80	88.9	2.5
PG101*		4"	100	114.3	3.0

Note : Hardware is included.

ANGLE BAR & 'C' CHANNEL SUPPORT

ANGLE BAR

Product Code	Material & Finishing*	T	H	W	L
AB30T25#6ML*	Mild Steel & Hot Dip Galvanized (HDG)	3.0	25	25	6000
AB30T38#6ML*		3.0	38	38	
AB40T38#6ML*		4.0	38	38	
AB50T38#6ML*		5.0	38	38	
AB30T50#6ML*		3.0	50	50	
AB40T50#6ML*		4.0	50	50	
AB50T50#6ML*		5.0	50	50	

Note : (#) Equal Angle Bar size.

PERFORATED STEEL ANGLE

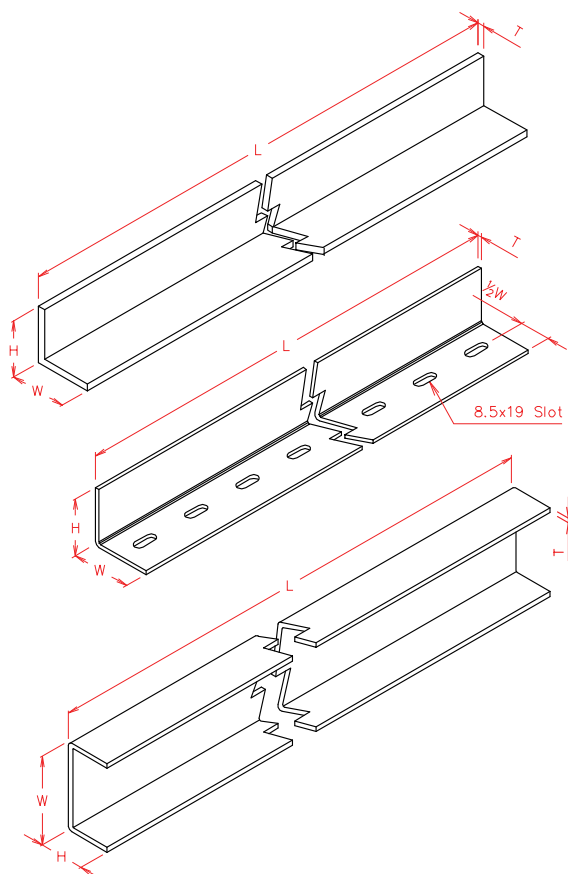
Product Code	Material & Finishing*	T	H	W	L
APS30T38#6ML*	Mild Steel & Hot Dip Galvanized (HDG)	3.0	38	38	6000
APS40T38#6ML*		4.0	38	38	
APS50T38#6ML*		5.0	38	38	
APS30T50#6ML*		3.0	50	50	
APS40T50#6ML*		4.0	50	50	
APS50T50#6ML*		5.0	50	50	

Note : (#) Equal Angle Bar size.

'C' CHANNEL

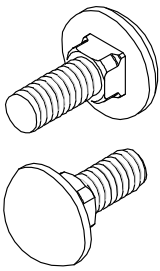
Product Code	Material & Finishing*	W	H	L	T
CC50TDH03W6ML*	Mild Steel & Hot Dip Galvanized (HDG)	75	40*	6000	5
CC50T2H04W6ML*		100	50		5
CC60T3H06W6ML*		150	75		6
CC70T3H7-W6ML*		180	75		7

* note: All Units in (mm) & Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate



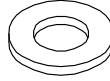
HARDWARE

CARRIAGE BOLT



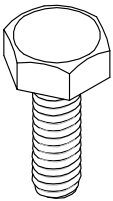
Product Code	Material & Finishing	Size
FCBM0820LZP	Zinc Plated	M8 x 20L
FCBM0620LZP		M6 x 20L
FCBM0820LS4	Stainless Steel 304	M8 x 20L
FCBM0620LS4		M6 x 20L
FCBM0820LH	Mild Steel & Hot Dip Galvanized	M8 x 20L
FCBM1020LH		M10 x 20L

FLAT WASHER



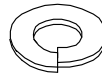
Product Code	Material & Finishing	Size
FFWM06ZP	Zinc Plated	M6
FFWM08ZP		M8
FFWM10ZP		M10
FFWM12ZP		M12
FFWM06S4	Stainless Steel 304	M6
FFWM08S4		M8
FFWM10S4		M10
FFWM12S4		M12
FFWM06H	Mild Steel & Hot Dip Galvanized	M6
FFWM08H		M8
FFWM10H		M10
FFWM12H		M12

HEXAGON BOLT



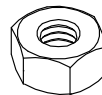
Product Code	Material & Finishing	Size
FHBM0620LZP	Zinc Plated	M6 x 20L
FHBM0625LZP		M6 x 25L
FHBM0820LZP		M8 x 20L
FHBM0825LZP		M8 x 25L
FHBM0830LZP		M8 x 30L
FHBM1025LZP		M10 x 25L
FHBM1030LZP		M10 x 30L
FHBM1225LZP		M12 x 25L
FHBM1230LZP		M12 x 30L
FHBM0616LS4	Stainless Steel 304	M6 x 16L
FHBM0620LS4		M6 x 20L
FHBM0625LS4		M6 x 25L
FHBM0820LS4		M8 x 20L
FHBM0825LS4		M8 x 25L
FHBM1025LS4		M10 x 25L
FHBM1225LS4		M12 x 25L
FHBM1230LS4		M12 x 30L
FHBM0820LH	Mild Steel & Hot Dip Galvanized	M8 x 20L
FHBM0825LH		M8 x 25L
FHBM0830LH		M8 x 30L
FHBM1030LH		M10 x 30L
FHBM1035LH		M10 x 35L
FHBM1225LH		M12 x 25L
FHBM1230LH		M12 x 30L

SPRING WASHER



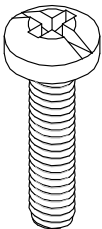
Product Code	Material & Finishing	Size
FSWM06ZP	Zinc Plated	M6
FSWM08ZP		M8
FSWM10ZP		M10
FSWM12ZP		M12
FSWM06S4	Stainless Steel 304	M6
FSWM08S4		M8
FSWM10S4		M10
FSWM12S4		M12
FSWM06H	Mild Steel & Hot Dip Galvanized	M6
FSWM08H		M8
FSWM10H		M10
FSWM12H		M12

HEXAGON NUT



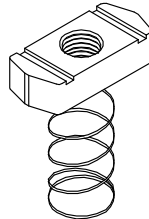
Product Code	Material & Finishing	Size
FHNM06ZP	Zinc Plated	M6
FHNM08ZP		M8
FHNM10ZP		M10
FHNM12ZP		M12
FHNM06S4	Stainless Steel 304	M6
FHNM08S4		M8
FHNM10S4		M10
FHNM12S4		M12
FHNM08H	Mild Steel & Hot Dip Galvanized	M8
FHNM10H		M10
FHNM12H		M12

PAN HEAD BOLT



Product Code	Material & Finishing	Size
FPHM0616LZP	Zinc Plated	M6 x 16L
FPHM0620LZP		M6 x 20L
FPHM1225LZP		M12 x 25L
FPHM1230LZP		M12 x 30L
FPHM0612LS4	Stainless Steel 304	M6 x 12L
FPHM0616LS4		M6 x 16L
FPHM0620LS4		M6 x 20L
FPHM0820LS4		M8 x 20L
FPHM0830LS4		M8 x 30L
FPHM1025LS4		M10 x 25L
FPHM1030LS4		M10 x 30L
FPHM1225LS4		M12 x 25L
FPHM1230LS4		M12 x 30L
FPHM0820LH	Mild Steel & Hot Dip Galvanized	M8 x 20L
FPHM0830LH		M8 x 30L
FPHM1020LH		M10 x 20L
FPHM1030LH		M10 x 30L
FPHM1225LH		M12 x 25L
FPHM1230LH		M12 x 30L

SPRING NUT



Product Code	Material & Finishing	Size
FSNM06ZP	Zinc Plated	M6
FSNM08ZP		M8
FSNM10ZP		M10
FSNM12ZP		M12
FSNM06S4	Stainless Steel 304	M6
FSNM08S4		M8
FSNM10S4		M10
FSNM12S4		M12
FSNM06H	Mild Steel & Hot Dip Galvanized	M6
FSNM08H		M8
FSNM10H		M10
FSNM12H		M12

* note: All Units in (mm)

& Other sizes are available upon request.(HDG) Hot Dip Galvanized after fabricate

SPECIFICATION FACTOR

The following factors are to be considered by the electrical design engineer when designing the cable layout.

1. Routing of cable tray : Generally determined by the plant layout and in particular by the location of equipment to which the cable is served.
2. Material & Finish : Selected to suit the atmospheric conditions at the job site.
3. Type : Based on the budget and desired cable exposure.
4. Size : Selected according to the density of cable fill and desired cable efficiency.
5. Class : Selected by the cable load in the tray and the distance between tray supports.
6. Radius of Fittings : Determined by the minimum bending radius of cable which is usually eight times the outside diameter of the cable. Besides our standard, NEMA, BS and other standard are also available upon special requirement.

NOTE:

IME Cable Support Systems reserves the right to make changes or improvements in the design of all cataloged items without notice and without obligation to incorporate these changes or improvements in items already manufactured. Since methods and conditions of application and use are beyond our control, our warranties of fitness and merchantability and any other warranties, express or implied, made in connection with the sale of these products, shall not be effective or actionable unless the products are applied according to our current printed directions and specifications.



NOTES



NOTES



IME

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