qatar technical

steel fabrication & industrial refrigeration

Standard Products Division

Product Catalogue 2011

(Temporary edition)

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Introduction

Our Standard Products division comprises the finest machineries in its range. Raw materials go through extended computerized and automated processes to end up in their final product shape with high quality and precision. Our dedication in our work together with these top of the line machineries is a major reason behind our long lasting success in the market.
In this 1st edition of our Standard Products Division catalogue, we present our clients, contractors and consultants with a technical preview of the products we currently manufacture. Our standard products list is constantly being updated and reviewed to enhance product quality and to include additional products which further complement our production lines and diversify our capabilities. The information provided in this catalogue is intended to give our clients an overall understanding of the technical data of each product, its application and various implementations in a supple concept to improve the inquiry and procurement approach. We emphasized on international and local specifications and added our own manufacturing expertise which we acquired in the past 20 years. Currently we are working on international testing and certifications to further sustain product quality consistency and standards compliance. Another success factor is our vast technical potentials that enable us to produce customized products to meet specific requirements.

Our standard products are divided into 4 categories:

- Cable Support Systems
- Interior Fixtures
- Service Cabinets & Enclosures
- Structural Support Systems

All standard products listed can be manufactured in custom dimensions and materials to meet client's requirements. Further, new products that are non standard can be designed and manufactured with acute precision.









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Product Code List

PRODUCT	CODE
CABLE SUPPORT SYSTEMS	
A. CABLE TRAY	
CABLE TRAY PERFORATED/CHANNEL	**W-PRCHTY-H-L-(T)**
CABLE TRAY PERFORATED/TROUGH	**W-PRTFTY-H-L-(T)**
CABLE TRAY SOLID BOTTOM/CHANNEL	**W-SOBCHTY-H-L-(T)**
CABLE TRAY SOLID BOTTOM/TROUGH	**W-SOBTFTY-H-L-(T)**
CABLE TRAY COVER	**W-TYCR-L-(T)**
FITTINGS	
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EXTERNAL RISER COVER	**W-TYEXRICR-α°-(T)**
INTERNAL RISER	**W-TYILRI-H-α°-(T)**
INTERNAL RISER COVER	**W-TYILRICR-α°-(T)**
REDUCER	**W/Wb-TYRR-H-(T)**
REDUCER COVER	**W/Wb-TYRRCR-(T)**
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TEE COVER	**W-TYTECR-(T)**
CROSS-OVER	**W-TYCSOV-H-(T)**
CROSS-OVER COVER	**W-TYCSOVCR-(T)**
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JOINT 21	**JNT21-H-(T)**
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ELBOW COVER	**W-TKELCR-α°-(T)**
REDUCER TYPE 1	**W/H-Wb/Hb-TKRRTP1-(T)**
REDUCER TYPE 1 COVER	**W/Wb-TKRRTP1CR-(T)**
REDUCER TYPE 2	**W/Wb-H-TKRRTP2-(T)**
REDUCER TYPE 2 COVER	**W/Wb-TKRRTP2CR-(T)**
TEE	**W/H-TKTE-(T)**
TEE COVER	**W-TKTECR-(T)**
CROSS-OVER	**W/H-TKCSOV-(T)**
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ACCESSORIES	
COUPLER	**W/H-TKCPLR-(T)**
END CAP	**W/H-TKEDCP-(T)**

PRODUCT	CODE
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CABLE LADDER COVER	**W-LDCR-L-(T)**
FITTINGS	
ELBOW	**W-LDEL-H-α°-(T)**
ELBOW COVER	**W-LDELCR-α°-(T)**
EXTERNAL RISER	**W-LDEXRI-H-α°-(T)**
EXTERNAL RISER COVER	**W-LDEXRICR-α°-(T)**
INTERNAL RISER	**W-LDILRI-H-α°-(T)**
INTERNAL RISER COVER	**W-LDILRICR-α°-(T)**
REDUCER	**W/Wb-LDRR-H-(T)**
REDUCER COVER	**W/Wb-LDRRCR-(T)**
TEE	**W-LDTE-H-(T)**
TEE COVER	**W-LDTECR-(T)**
CROSS-OVER	**W-LDCSOV-H-(T)**
CROSS-OVER COVER	**W-LDCSOVCR-(T)**
INTERIOR FIXTURES	
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Abbreviation Sheet of Key words and Parameters

KEY WORDS	ABBREVIATION
Bottom	B
Bracket	BKT
Box	BX
Cabinet	C
Carrier	CAR
Ceiling	CG
Channel	CH
Clamp	CLP
Cantilever Arm	CLVR
Cap	CP
Coupling	CPLG
Coupler	CPLR
Cover	CR
Cross-Over	CSOV
Cut Out Box	CTOBX
Diffuser	DR
Electrical	E
End	ED
Elbow	EL
External	EX
Fixture	FX
Gland	GLND
Inch	I
Internal	IL
Junction	JNC
Joint	JNT
Ladder	LD
Light	LIT
Lintel Beam	LNTL
Patterned	PD
Piece	PEC
Plain	PN
Panel	PNL
Perforated	PR
Riser	RI
Runner	RN
Reducer	RR
Service	S
Solid	SO
Splice	SPC
Square	SQ
Support	SU
Tee	TE
Trough	TF
Trunking	TK
Type	TP
Tray	TY
Variation	V
Water	WA
Wall	WL

Parameter	Symbol	Unit of Measurement
Angle	α^o	Degrees
Base	Ba	mm
Current	A	Amperes
Edge	e	mm
Height	H	mm
Height (second end)	Hb	mm
Length	L	mm
Number of meters	M	-
Thickness - Duty	T (T_1, T_2, T_3)	mm
Weight	Wt	kg
Width	W	mm
Width (narrow end)	Wb	mm

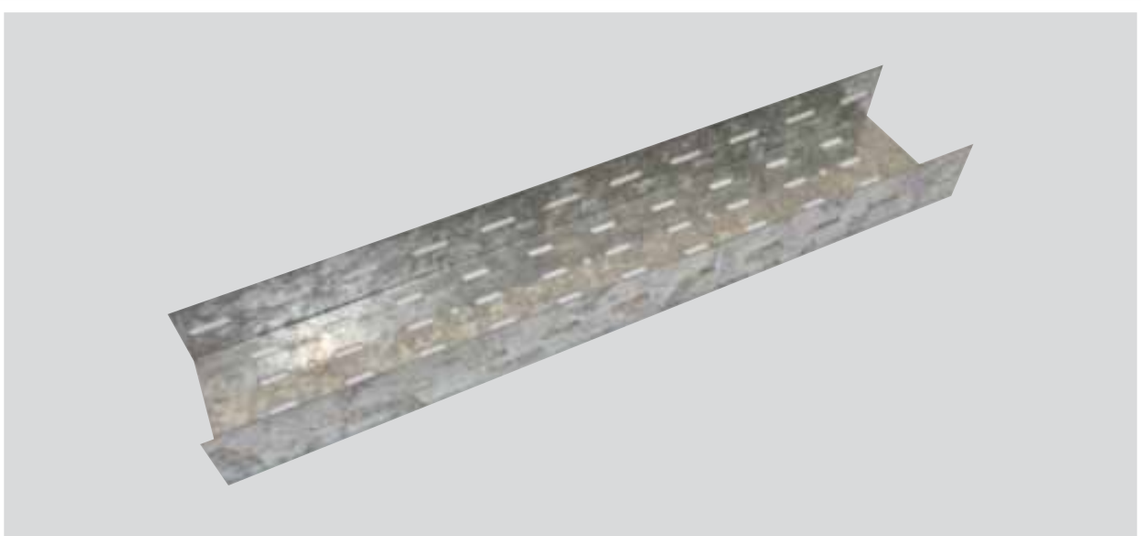
CABLE SUPPORT SYSTEMS

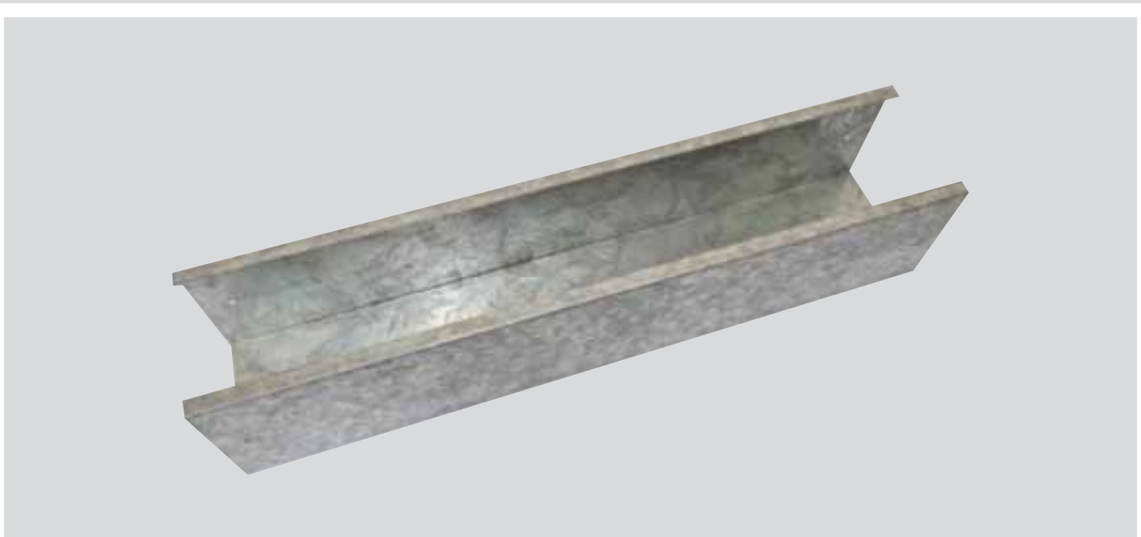
CABLE SUPPORT SYSTEMS

The Cable Support Systems category includes 3 different product lines with adaptable accessories and fittings. We provide:

- Cable Tray
- Cable Trunking
- Cable Ladder

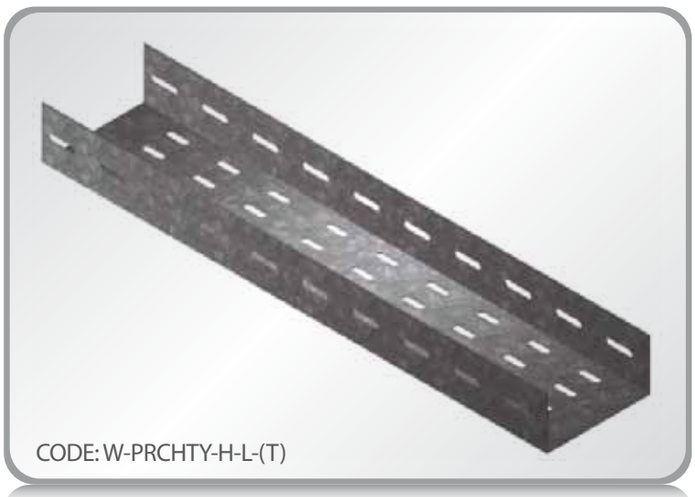
At present, our standard material used in production of cable support systems is pre-galvanized steel, various galvanize coating can be provided. We are currently working on providing hot dip galvanized products to meet international specifications.





CABLE TRAY

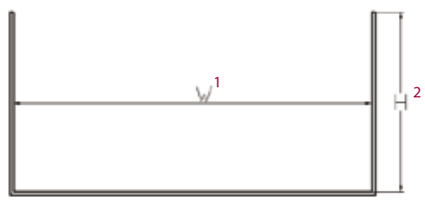
PERFORATED CABLE TRAY: CHANNEL DESIGN



CODE: W-PRCHTY-H-L-(T)

FRONT

H: HEIGHT
W: WIDTH
L: LENGTH



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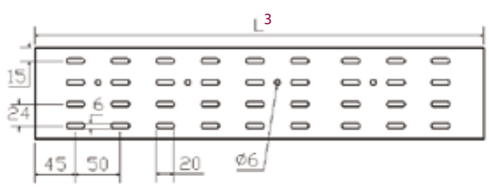


SIDE

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

A perforated cable tray has the advantage of allowing sufficient passage of air to cool supported cables.

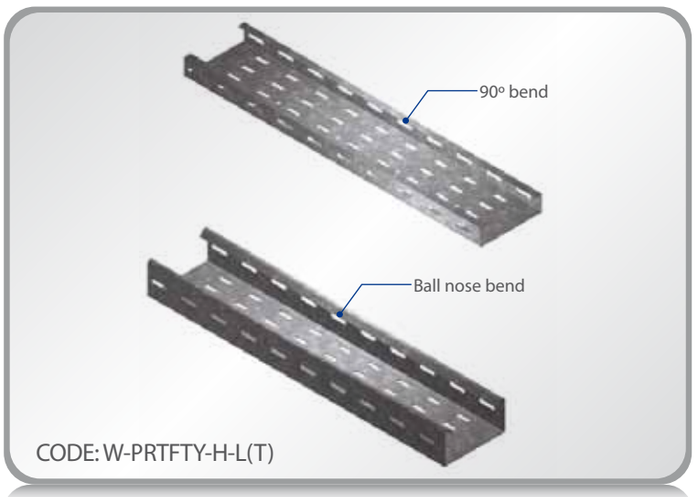
• TOTAL VARIATIONS: 192 nos.

• WEIGHT

				WEIGHT 5 Wt (Kg)								
	H (mm)			25			50			100		
	Duty/THK (mm)			T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)	L (mm)									
Group A	2	50	2440	1.77	2.12	2.65	2.73	3.27	4.09	-	-	-
	3	75	2440	2.20	2.65	3.30	3.16	3.79	4.74	-	-	-
	4	100	2440	2.64	3.17	3.96	3.59	4.32	5.39	5.51	6.61	8.27
	5	125	2440	3.07	3.69	4.61	4.03	4.84	6.04	5.94	7.14	8.92
	6	150	2440	3.51	4.21	5.26	4.46	5.36	6.70	6.38	7.66	9.57
	7	175	2440	3.94	4.73	5.91	4.90	5.88	7.35	6.81	8.18	10.22
				T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	8	200	2440	5.25	6.57	8.75	6.40	8.00	10.67	8.70	10.88	14.50
	9	225	2440	5.77	7.22	9.62	6.92	8.65	11.54	9.22	11.53	15.37
	10	250	2440	6.29	7.87	10.49	7.44	9.31	12.40	9.74	12.18	16.24
	12	300	2440	7.34	9.17	12.23	8.49	10.61	14.14	10.78	13.48	17.97
	14	350	2440	8.38	10.48	13.97	9.53	11.91	15.88	11.83	14.79	19.71
	16	400	2440	9.42	11.78	15.70	10.57	13.22	17.62	12.87	16.09	21.45
	18	450	2440	10.47	13.08	17.44	11.61	14.52	19.36	13.91	17.39	23.19
	20	500	2440	11.51	14.39	19.18	12.66	15.83	21.10	14.96	18.70	24.93
	22	550	2440	12.55	15.69	20.92	13.70	17.13	22.83	16.00	20.00	26.67
	24	600	2440	13.59	17.00	22.66	14.74	18.43	24.57	17.04	21.31	28.40
				T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	26	650	2440	18.30	24.40	36.59	19.73	26.32	39.47	22.61	30.15	45.21
	28	700	2440	19.60	26.14	39.20	21.04	28.05	42.07	23.91	31.88	47.82
	30	750	2440	20.90	27.88	41.81	22.34	29.79	44.68	25.21	33.62	50.43
	32	800	2440	22.21	29.61	44.42	23.64	31.53	47.29	26.52	35.36	53.04
	34	850	2440	23.51	31.35	47.02	24.95	33.27	49.90	27.82	37.10	55.64
	36	900	2440	24.82	33.09	49.63	26.25	35.01	52.50	29.13	38.84	58.25

1. We offer (22) standard width sizes **W** (inside dimension) as shown in Weight Table.
2. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm.
3. We are using the standard length of 2440 mm.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72% (average for 3 different percentage errors based on 3 duties for the same size **W**).

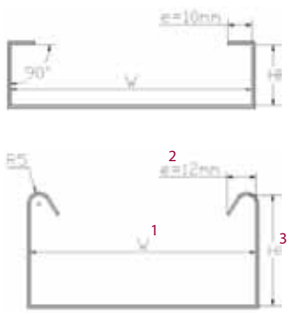
PERFORATED CABLE TRAY: TROUGH DESIGN



CODE: W-PRTFTY-H-L(T)

FRONT

H: HEIGHT
W: WIDTH
L: LENGTH
e: EDGE



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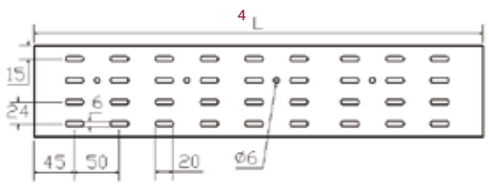

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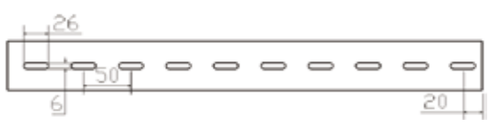


(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

Trough type perforated cable trays have the advantage of allowing sufficient passage of air to cool supported cables and provide a more strengthened design.

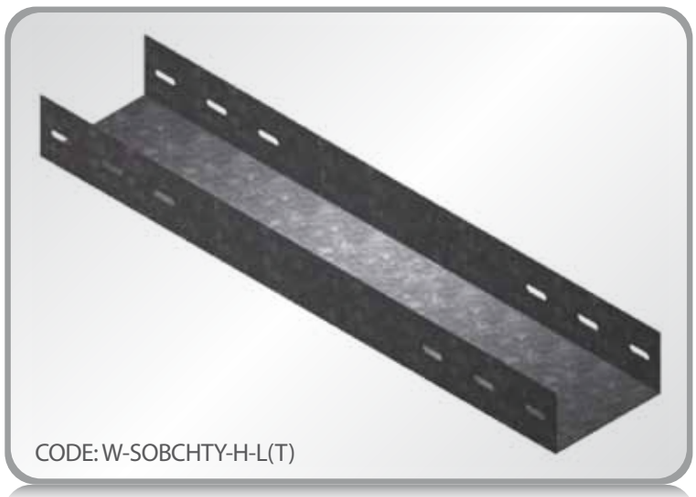
• TOTAL VARIATIONS: 192 nos.

• WEIGHT

				WEIGHT 6 Wt (Kg)								
	H (mm)			25[7]			50			100		
	Duty/THK (mm)			T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)	L (mm)									
Group A	2	50	2440	2.23	2.68	3.34	3.19	3.82	4.78	-	-	-
	3	75	2440	2.66	3.20	3.99	3.62	4.35	5.43	-	-	-
	4	100	2440	3.10	3.72	4.65	4.05	4.87	6.08	5.97	7.17	8.96
	5	125	2440	3.53	4.24	5.30	4.49	5.39	6.73	6.40	7.69	9.61
	6	150	2440	3.97	4.76	5.95	4.92	5.91	7.39	6.84	8.21	10.26
	7	175	2440	4.40	5.28	6.60	5.36	6.43	8.04	7.27	8.73	10.91
				T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	8	200	2440	5.80	7.26	9.67	6.95	8.69	11.59	9.25	11.57	15.42
	9	225	2440	6.32	7.91	10.54	7.47	9.34	12.45	9.77	12.22	16.29
	10	250	2440	6.85	8.56	11.41	7.99	10.00	13.32	10.29	12.87	17.15
	12	300	2440	7.89	9.86	13.15	9.04	11.30	15.06	11.34	14.17	18.89
	14	350	2440	8.93	11.17	14.89	10.08	12.60	16.80	12.38	15.48	20.63
	16	400	2440	9.97	12.47	16.62	11.12	13.91	18.54	13.42	16.78	22.37
	18	450	2440	11.02	13.77	18.36	12.17	15.21	20.28	14.46	18.08	24.11
	20	500	2440	12.06	15.08	20.10	13.21	16.51	22.02	15.51	19.39	25.85
	22	550	2440	13.10	16.38	21.84	14.25	17.82	23.75	16.55	20.69	27.58
	24	600	2440	14.15	17.69	23.58	15.30	19.12	25.49	17.59	22.00	29.32
				T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	26	650	2440	18.99	25.32	37.97	20.42	27.23	40.85	23.30	31.07	46.59
	28	700	2440	20.29	27.06	40.58	21.73	28.97	43.45	24.60	32.80	49.20
	30	750	2440	21.59	28.80	43.19	23.03	30.71	46.06	25.90	34.54	51.81
	32	800	2440	22.90	30.53	45.80	24.33	32.45	48.67	27.21	36.28	54.41
	34	850	2440	24.20	32.27	48.40	25.64	34.19	51.28	28.51	38.02	57.02
	36	900	2440	25.51	34.01	51.01	26.94	35.93	53.88	29.81	39.76	59.63

1. We offer (22) standard width sizes W (inside dimension) as shown in Weight Table.
2. e is the trough edge.
3. We offer (3) different heights H (inside dimension) (25, 50, 100) mm.
4. We are using the standard length of 2440 mm.
5. 1 inch = 25 mm.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.
7. For a height H=25 mm, cable trays have a 90° bend edge instead of the regular ball nose edge type.

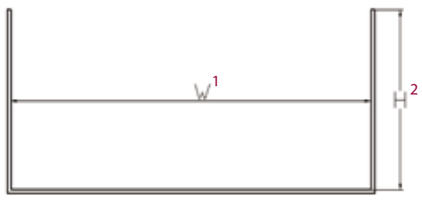
SOLID BOTTOM CABLE TRAY: CHANNEL DESIGN



CODE: W-SOBCHTY-H-L(T)

FRONT

H: HEIGHT
W: WIDTH
L: LENGTH



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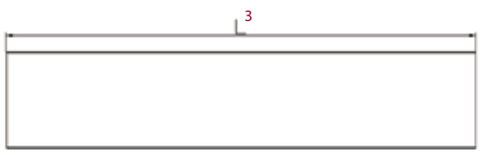

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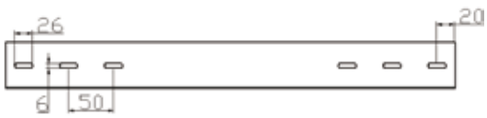


(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

Solid bottom cable trays can be used at sites where loaded cables do not require cooling.

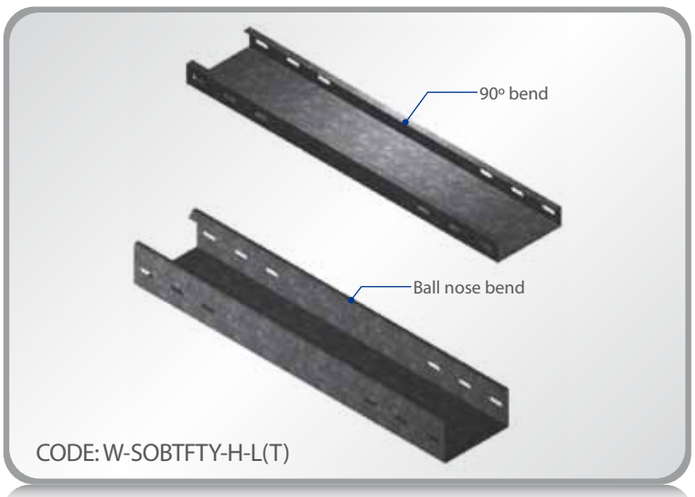
• TOTAL VARIATIONS: 192 nos.

• WEIGHT

				WEIGHT 5 Wt (Kg)								
	H (mm)			25			50			100		
	Duty/THK (mm)			T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)	L (mm)									
Group A	2	50	2440	1.92	2.30	2.87	2.87	3.45	4.31	-	-	-
	3	75	2440	2.39	2.87	3.59	3.35	4.02	5.03	-	-	-
	4	100	2440	2.87	3.45	4.31	3.83	4.60	5.75	5.75	6.90	8.62
	5	125	2440	3.35	4.02	5.03	4.31	5.17	6.46	6.23	7.47	9.34
	6	150	2440	3.83	4.60	5.75	4.79	5.75	7.18	6.70	8.04	10.06
	7	175	2440	4.31	5.17	6.46	5.27	6.32	7.90	7.18	8.62	10.77
				T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	8	200	2440	5.75	7.18	9.58	6.90	8.62	11.49	9.19	11.49	15.32
	9	225	2440	6.32	7.90	10.53	7.47	9.34	12.45	9.77	12.21	16.28
	10	250	2440	6.90	8.62	11.49	8.04	10.06	13.41	10.34	12.93	17.24
	12	300	2440	8.04	10.06	13.41	9.19	11.49	15.32	11.49	14.37	19.15
	14	350	2440	9.19	11.49	15.32	10.34	12.93	17.24	12.64	15.80	21.07
	16	400	2440	10.34	12.93	17.24	11.49	14.37	19.15	13.79	17.24	22.98
	18	450	2440	11.49	14.37	19.15	12.64	15.80	21.07	14.94	18.68	24.90
	20	500	2440	12.64	15.80	21.07	13.79	17.24	22.98	16.09	20.11	26.82
	22	550	2440	13.79	17.24	22.98	14.94	18.68	24.90	17.24	21.55	28.73
	24	600	2440	14.94	18.68	24.90	16.09	20.11	26.82	18.39	22.98	30.65
				T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	26	650	2440	20.11	26.82	40.22	21.55	28.73	43.10	24.42	32.56	48.84
	28	700	2440	21.55	28.73	43.10	22.98	30.65	45.97	25.86	34.48	51.72
	30	750	2440	22.98	30.65	45.97	24.42	32.56	48.84	27.29	36.39	54.59
	32	800	2440	24.42	32.56	48.84	25.86	34.48	51.72	28.73	38.31	57.46
	34	850	2440	25.86	34.48	51.72	27.29	36.39	54.59	30.17	40.22	60.34
	36	900	2440	27.29	36.39	54.59	28.73	38.31	57.46	31.60	42.14	63.21

1. We offer (22) standard width sizes **W** (inside dimension) as shown in Weight Table.
2. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm.
3. We are using the standard length of 2440 mm.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.

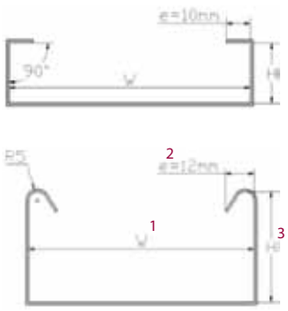
SOLID BOTTOM CABLE TRAY: TROUGH DESIGN



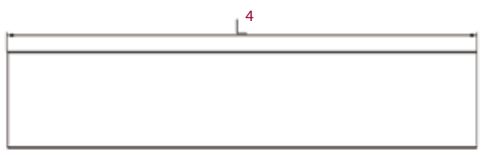
CODE: W-SOBTFTY-H-L(T)

FRONT

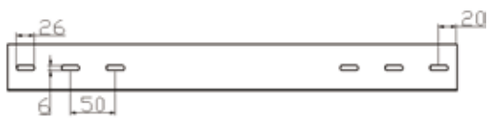
H: HEIGHT
W: WIDTH
L: LENGTH
e: EDGE



TOP



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

Solid bottom cable trays can be used at sites where loaded cables do not require cooling. The Trough design provides a more strengthened design than the Channel design.

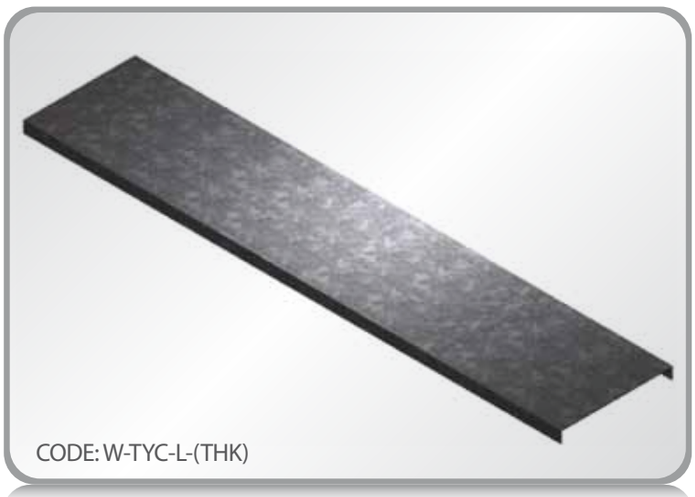
• TOTAL VARIATIONS: 192 nos.

• WEIGHT

				WEIGHT 6 Wt (Kg)								
	H (mm)			25[7]			50			100		
	Duty/THK (mm)			T1	T2	T3	T1	T2	T3	T1	T2	T3
				1	1.2	1.5	1	1.2	1.5	1	1.2	1.5
	W (Inch)	W (mm)	L (mm)									
Group A	2	50	2440	2.38	2.85	3.56	3.33	4.00	5.00	-	-	-
	3	75	2440	2.85	3.42	4.28	3.81	4.57	5.72	-	-	-
	4	100	2440	3.33	4.00	5.00	4.29	5.15	6.44	6.21	7.45	9.31
	5	125	2440	3.81	4.57	5.72	4.77	5.72	7.15	6.68	8.02	10.03
	6	150	2440	4.29	5.15	6.44	5.25	6.30	7.87	7.16	8.60	10.75
	7	175	2440	4.77	5.72	7.15	5.73	6.87	8.59	7.64	9.17	11.46
				T1	T2	T3	T1	T2	T3	T1	T2	T3
				1.2	1.5	2	1.2	1.5	2	1.2	1.5	2
Group B	8	200	2440	6.30	7.87	10.50	7.45	9.31	12.41	9.75	12.18	16.24
	9	225	2440	6.87	8.59	11.45	8.02	10.03	13.37	10.32	12.90	17.20
	10	250	2440	7.45	9.31	12.41	8.60	10.75	14.33	10.89	13.62	18.16
	12	300	2440	8.60	10.75	14.33	9.75	12.18	16.24	12.04	15.06	20.07
	14	350	2440	9.75	12.18	16.24	10.89	13.62	18.16	13.19	16.49	21.99
	16	400	2440	10.89	13.62	18.16	12.04	15.06	20.07	14.34	17.93	23.90
	18	450	2440	12.04	15.06	20.07	13.19	16.49	21.99	15.49	19.36	25.82
	20	500	2440	13.19	16.49	21.99	14.34	17.93	23.90	16.64	20.80	27.73
	22	550	2440	14.34	17.93	23.90	15.49	19.36	25.82	17.79	22.24	29.65
	24	600	2440	15.49	19.36	25.82	16.64	20.80	27.73	18.94	23.67	31.57
				T1	T2	T3	T1	T2	T3	T1	T2	T3
				1.5	2	3	1.5	2	3	1.5	2	3
Group C	26	650	2440	20.80	27.73	41.60	22.24	29.65	44.48	25.11	33.48	50.22
	28	700	2440	22.24	29.65	44.48	23.67	31.57	47.35	26.55	35.40	53.09
	30	750	2440	23.67	31.57	47.35	25.11	33.48	50.22	27.98	37.31	55.97
	32	800	2440	25.11	33.48	50.22	26.55	35.40	53.09	29.42	39.23	58.84
	34	850	2440	26.55	35.40	53.09	27.98	37.31	55.97	30.86	41.14	61.71
	36	900	2440	27.98	37.31	55.97	29.42	39.23	58.84	32.29	43.06	64.59

1. We offer (22) standard width sizes **W** (inside dimension) as shown in Weight Table.
2. **e** is the trough edge.
3. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm.
4. We are using the standard length of 2440 mm.
5. 1 inch = 25 mm.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.
7. For a height **H**=25 mm, cable trays have a 90° bend edge instead of the regular ball nose edge type.

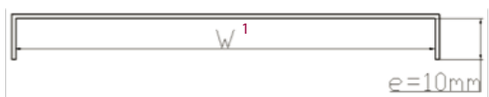
CABLE TRAY COVER[6]



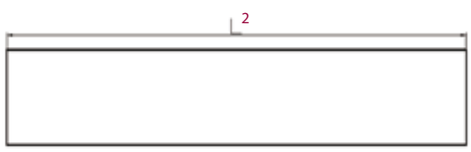
CODE: W-TYC-L-(THK)

FRONT

W: WIDTH
L: LENGTH
e: EDGE



TOP



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH[3] (W)		THICKNESS (THK) (mm)		
(Inch)	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 1.5mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• TOTAL VARIATIONS: 66 nos.

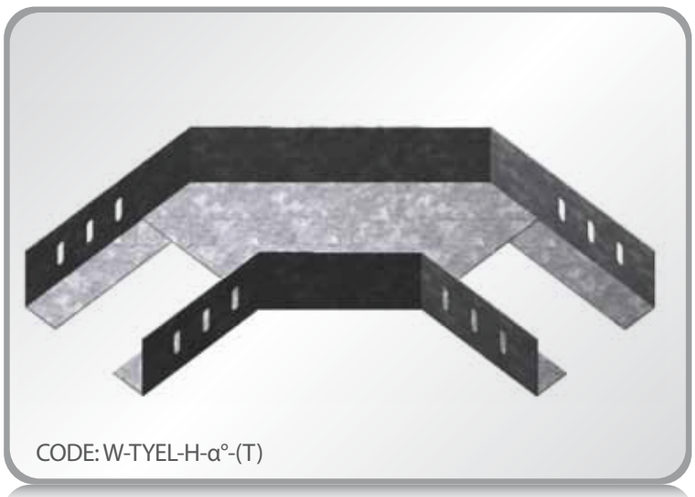
• WEIGHT

Duty/THK (mm)			WEIGHT[4] Wt (Kg)		
			T1	T2	T3
			1	1.2	1.5
W		L			
(Inch)	(mm)[5]	(mm)			
2	-	2440	1.38	1.66	2.10
3	-	2440	1.86	2.24	2.82
4	-	2440	2.34	2.81	3.53
5	-	2440	2.82	3.39	4.25
6	-	2440	3.29	3.96	4.97
7	-	2440	3.77	4.54	5.69
8	-	2440	4.25	5.11	6.41
9	-	2440	4.73	5.69	7.13
10	-	2440	5.21	6.26	7.84
12	-	2440	6.17	7.41	9.28
14	-	2440	7.13	8.56	10.72
16	-	2440	8.08	9.71	12.15
18	-	2440	9.04	10.86	13.59
20	-	2440	10.00	12.01	15.03
22	-	2440	10.96	13.16	16.46
24	-	2440	11.91	14.31	17.90
26	-	2440	12.87	15.45	19.34
28	-	2440	13.83	16.60	20.77
30	-	2440	14.79	17.75	22.21
32	-	2440	15.74	18.90	23.65
34	-	2440	16.70	20.05	25.08
36	-	2440	17.66	21.20	26.52

1. We offer (22) standard width sizes **W** (considering the outside width dimension of the cable tray where **W** = cable tray Width + 2 x cable tray thickness).
2. We are using the standard length of 2440 mm.
3. 1 inch = 25 mm.
4. All weights in the table are calculated with an approximate average error percentage of 1.72%.
5. The actual inside dimensions depend on the choice of the cable tray, it is adjusted as per cable tray size and thickness.
6. Cable tray cover is also applicable to cable ladder.

FITTINGS

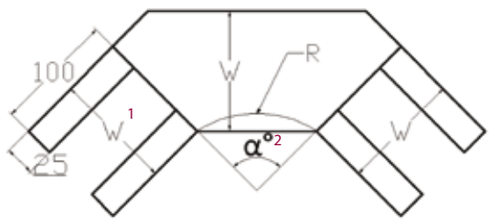
ELBOW



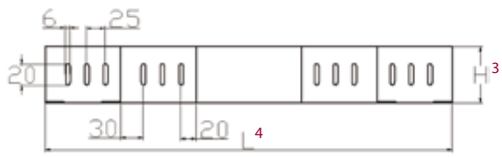
CODE: W-TYEL-H-α°-(T)

TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
α°: ANGLE



FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

A cable tray fitting which changes the direction in the same plane.

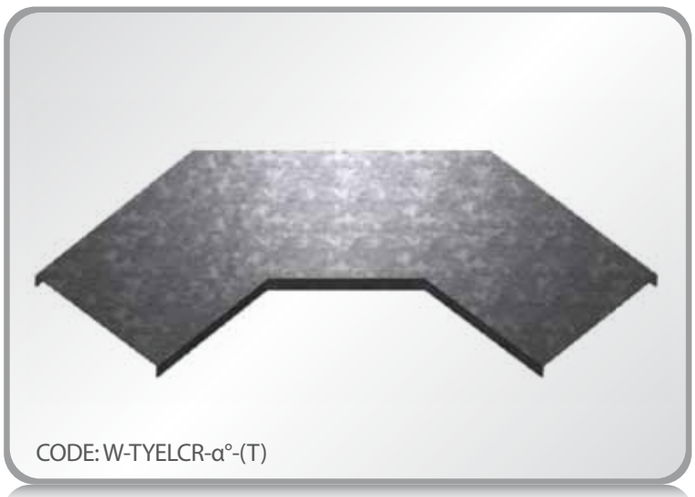
• TOTAL VARIATIONS: 768 nos.

• WEIGHT

			WEIGHT 7 Wt (Kg)								
	H (mm)		25			50			100		
	Duty/THK		T1	T2	T3	T1	T2	T3	T1	T2	T3
	(mm)		1	1.2	1.5	1	1.2	1.5	1	1.2	1.5
	W										
	(Inch)	(mm)									
Group A	2	-	0.35	0.42	0.53	0.48	0.58	0.73	-	-	-
	3	-	0.42	0.51	0.63	0.56	0.68	0.85	-	-	-
	4	-	0.51	0.61	0.76	0.66	0.79	0.99	0.96	1.15	1.44
	5	-	0.61	0.73	0.91	0.77	0.92	1.15	1.08	1.30	1.62
	6	-	0.72	0.86	1.08	0.89	1.06	1.33	1.22	1.46	1.83
	7	-	0.85	1.02	1.27	1.02	1.23	1.53	1.37	1.65	2.06
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.2	1.5	2	1.2	1.5	2	1.2	1.5	2
Group B	8	-	1.19	1.48	1.98	1.41	1.76	2.34	1.84	2.31	3.07
	9	-	1.37	1.72	2.29	1.60	2.00	2.67	2.06	2.57	3.43
	10	-	1.57	1.97	2.62	1.81	2.27	3.02	2.29	2.86	3.82
	12	-	1.91	2.39	3.18	2.16	2.70	3.60	2.65	3.32	4.42
	14	-	2.28	2.85	3.79	2.53	3.17	4.22	3.05	3.81	5.09
	16	-	2.68	3.35	4.46	2.95	3.68	4.91	3.48	4.35	5.80
	18	-	3.11	3.89	5.19	3.39	4.24	5.65	3.95	4.93	6.58
	20	-	3.58	4.47	5.96	3.87	4.83	6.44	4.44	5.55	7.40
	22	-	4.08	5.10	6.80	4.38	5.47	7.30	4.97	6.21	8.29
	24	-	4.61	5.77	7.69	4.92	6.15	8.20	5.54	6.92	9.23
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.5	2	3	1.5	2	3	1.5	2	3
Group C	26	-	6.48	8.64	12.95	6.87	9.16	13.75	7.66	10.22	15.33
	28	-	7.23	9.64	14.45	7.64	10.18	15.27	8.45	11.27	16.90
	30	-	8.02	10.69	16.04	8.44	11.25	16.88	9.28	12.38	18.56
	32	-	8.85	11.81	17.71	9.29	12.38	18.57	10.15	13.54	20.30
	34	-	9.73	12.97	19.46	10.17	13.57	20.35	11.06	14.75	22.13
	36	-	10.65	14.20	21.29	11.10	14.81	22.21	12.02	16.03	24.04

1. We offer (22) standard width sizes **W** (considering the outside width dimensions of the cable tray with an allowance of 2 mm) as shown in Weight Table.
2. α° = 30°, 45°, 60,° 90°
3. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm with an allowance of 1 mm.
4. Length varies per size of base or (width).
5. 1 inch = 25 mm.
6. Standard radius. Non-standard radii can be achieve as per order.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.

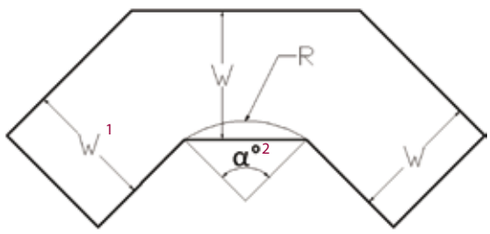
ELBOW COVER[9]



CODE: W-TYELCR-α°-(T)

TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
α°: ANGLE



FRONT

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH (W)		THICKNESS[5] (THK) (mm)		
(Inch)[4]	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

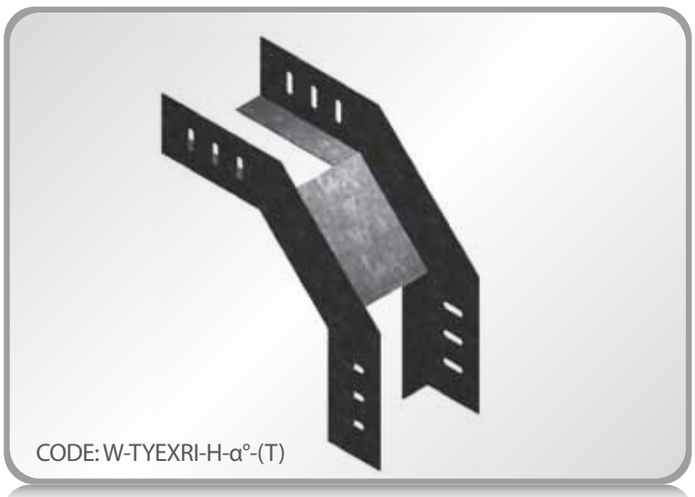
• TOTAL VARIATIONS: 264 nos.

• WEIGHT

		WEIGHT 7 Wt (Kg)		
Duty/THK (mm)		T1 1	T2 1.2	T3 1.5
W				
(Inch)	(mm)8			
2	-	0.28	0.33	0.42
3	-	0.39	0.47	0.59
4	-	0.52	0.62	0.78
5	-	0.66	0.80	1.00
6	-	0.83	0.99	1.25
7	-	1.00	1.21	1.51
8	-	1.20	1.44	1.81
9	-	1.41	1.69	2.12
10	-	1.64	1.97	2.46
12	-	2.03	2.44	3.05
14	-	2.45	2.95	3.69
16	-	2.91	3.49	4.37
18	-	3.40	4.08	5.11
20	-	3.92	4.71	5.89
22	-	4.47	5.37	6.72
24	-	5.06	6.08	7.60
26	-	5.68	6.82	8.53
28	-	6.33	7.60	9.51
30	-	7.02	8.42	10.54
32	-	7.73	9.28	11.61
34	-	8.48	10.18	12.74
36	-	9.26	11.12	13.91

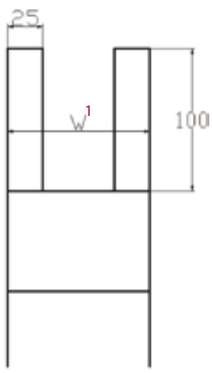
1. We offer (22) standard width sizes **W** (considering the outside dimension of the Elbow) as shown in Weight Table.
2. α° = 30°, 45°, 60,° 90°
3 Length **L** of an elbow varies with the width size **W**.
4. 1 inch = 25 mm.
5. Duties T1, T2, and T3 in this case are fixed for all sizes.
6. Standard radius. Non-standard radii can be achieve as per order.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.
8. The actual inside dimensions depend on the choice of the Elbow, it is adjusted as per Elbow size and thickness.
9 Cable tray elbow cover is also applicable to cable ladder elbow.

EXTERNAL RISER



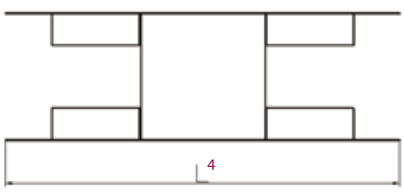
CODE: W-TYEXRI-H-α°-(T)

FRONT

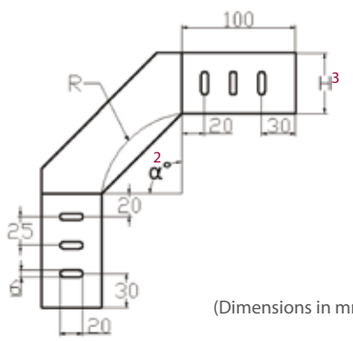


H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
α°: ANGLE

TOP



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

An outside vertical elbow changes direction downward from the horizontal plane.

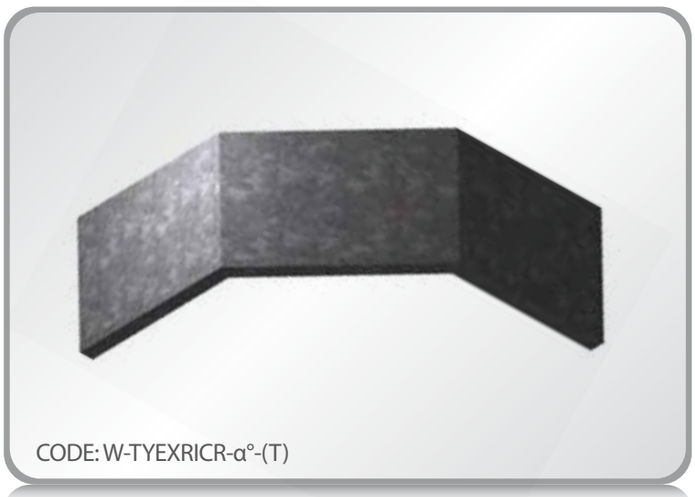
• TOTAL VARIATIONS: 768 nos.

• WEIGHT

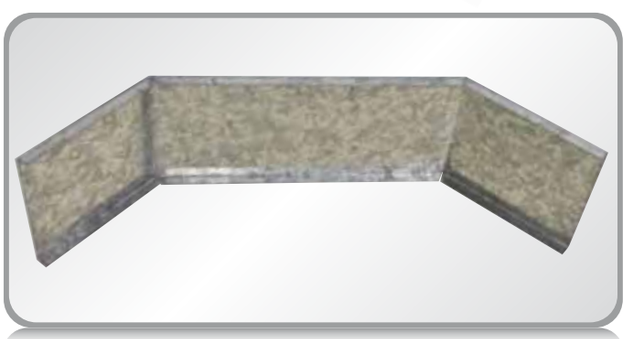
			WEIGHT 7 Wt (Kg)								
	H (mm)		25			50			100		
	Duty/THK		T1	T2	T3	T1	T2	T3	T1	T2	T3
	(mm)		1	1.2	1.5	1	1.2	1.5	1	1.2	1.5
	W										
	(Inch)	(mm)									
Group A	2	-	0.33	0.39	0.49	0.51	0.62	0.77	-	-	-
	3	-	0.35	0.42	0.52	0.53	0.64	0.80	-	-	-
	4	-	0.37	0.44	0.55	0.55	0.66	0.83	1.02	1.23	1.54
	5	-	0.39	0.46	0.58	0.57	0.69	0.86	1.04	1.25	1.57
	6	-	0.41	0.49	0.61	0.59	0.71	0.89	1.06	1.28	1.60
	7	-	0.43	0.51	0.64	0.61	0.73	0.92	1.08	1.30	1.62
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.2	1.5	2	1.2	1.5	2	1.2	1.5	2
Group B	8	-	0.53	0.67	0.89	0.76	0.95	1.26	1.32	1.65	2.21
	9	-	0.56	0.70	0.93	0.78	0.98	1.30	1.35	1.68	2.24
	10	-	0.58	0.73	0.97	0.81	1.01	1.34	1.37	1.71	2.28
	12	-	0.63	0.79	1.05	0.85	1.07	1.42	1.42	1.77	2.36
	14	-	0.68	0.84	1.13	0.90	1.12	1.50	1.46	1.83	2.44
	16	-	0.72	0.90	1.20	0.95	1.18	1.58	1.51	1.89	2.52
	18	-	0.77	0.96	1.28	0.99	1.24	1.66	1.56	1.95	2.60
	20	-	0.82	1.02	1.36	1.04	1.30	1.73	1.61	2.01	2.68
	22	-	0.86	1.08	1.44	1.09	1.36	1.81	1.65	2.07	2.76
	24	-	0.91	1.14	1.52	1.14	1.42	1.89	1.70	2.13	2.83
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.5	2	3	1.5	2	3	1.5	2	3
Group C	26	-	1.20	1.60	2.40	1.48	1.97	2.96	2.18	2.91	4.37
	28	-	1.26	1.68	2.51	1.54	2.05	3.07	2.24	2.99	4.49
	30	-	1.32	1.75	2.63	1.60	2.13	3.19	2.30	3.07	4.60
	32	-	1.37	1.83	2.75	1.65	2.21	3.31	2.36	3.15	4.72
	34	-	1.43	1.91	2.87	1.71	2.28	3.43	2.42	3.23	4.84
	36	-	1.49	1.99	2.98	1.77	2.36	3.54	2.48	3.30	4.96

1. We offer (22) standard width sizes **W** (considering the outside width dimensions of the cable tray with an allowance of 2 mm) as shown in Weight Table.
2. α° = 30°, 45°, 60,° 90°
3. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm with an allowance of 1 mm.
4. Length varies per size of base or (width).
5. 1 inch = 25 mm.
6. Standard radius. Non-standard radii can be achieve as per order but R is equal to 0 is not applicable.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.

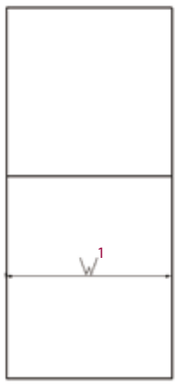
EXTERNAL RISER COVER[9]



CODE: W-TYEXRICR-α°-(T)

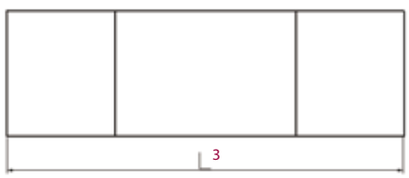


FRONT

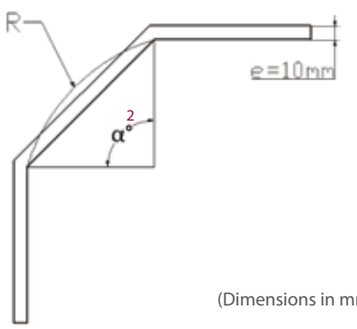


H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
α°: ANGLE

TOP



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH[4] (W)		THICKNESS[5] (THK) (mm)		
(Inch)	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 1.5mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

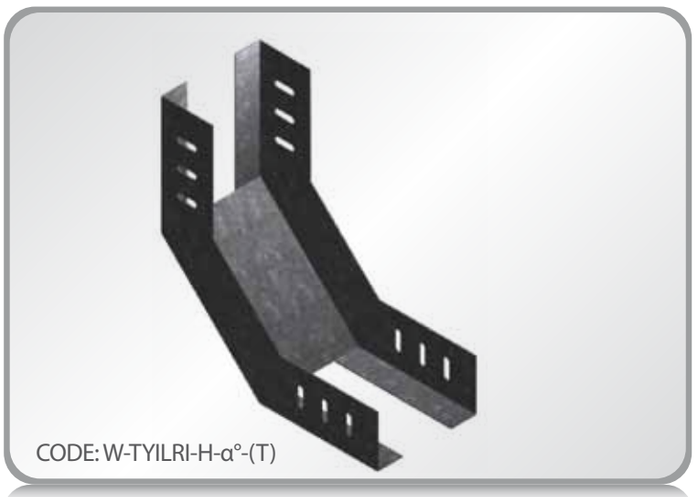
• TOTAL VARIATIONS: 264 nos.

• WEIGHT

		WEIGHT[7] Wt (Kg)		
Duty/THK (mm)		T1 1	T2 1.2	T3 1.5
W				
(Inch)	(mm)[8]			
2	-	0.22	0.27	0.33
3	-	0.30	0.36	0.45
4	-	0.37	0.45	0.56
5	-	0.45	0.54	0.68
6	-	0.53	0.63	0.79
7	-	0.60	0.72	0.91
8	-	0.68	0.82	1.02
9	-	0.76	0.91	1.14
10	-	0.83	1.00	1.25
12	-	0.98	1.18	1.48
14	-	1.14	1.37	1.71
16	-	1.29	1.55	1.94
18	-	1.44	1.73	2.17
20	-	1.60	1.92	2.40
22	-	1.75	2.10	2.63
24	-	1.90	2.28	2.86
26	-	2.05	2.47	3.09
28	-	2.21	2.65	3.32
30	-	2.36	2.83	3.55
32	-	2.51	3.02	3.77
34	-	2.67	3.20	4.00
36	-	2.82	3.38	4.23

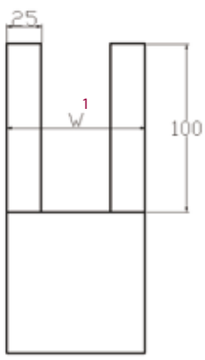
1. We offer (22) standard width sizes **W** (considering the outside dimension of the External Riser) as shown in Weight Table.
2. α° = 30°, 45°, 60,° 90°
3. Length **L** of an external riser varies with the width size **W**.
4. 1 inch = 25 mm.
5. Duties T1, T2, and T3 in this case are fixed for all sizes.
6. Standard radius. Non-standard radii can be achieve as per order but R is equal to 0 is not applicable.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.
8. The actual inside dimensions depend on the choice of the External Riser, it is adjusted as per External Riser size and thickness.
9. Cable tray external riser cover is also applicable to cable ladder external riser.

INTERNAL RISER



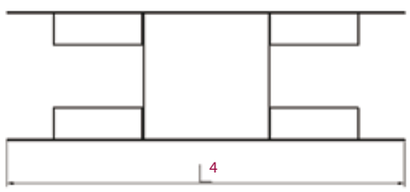
CODE: W-TYILRI-H-α°-(T)

FRONT

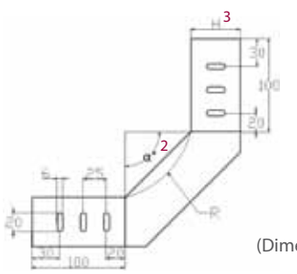


H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
α°: ANGLE

TOP



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

An outside vertical elbow changes direction upward from the horizontal plane.

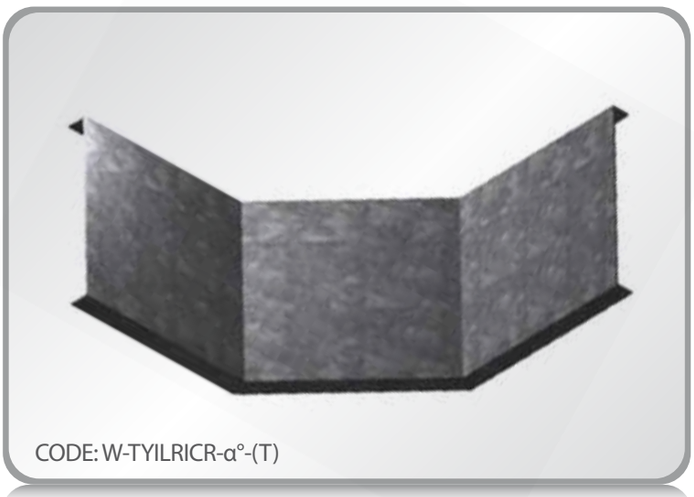
• TOTAL VARIATIONS: 768 nos.

• WEIGHT

			WEIGHT 7 Wt (Kg)								
	H (mm)		25			50			100		
	Duty/THK		T1	T2	T3	T1	T2	T3	T1	T2	T3
	(mm)		1	1.2	1.5	1	1.2	1.5	1	1.2	1.5
	W										
	(Inch)	(mm)									
Group A	2	-	0.35	0.41	0.52	0.55	0.66	0.82	-	-	-
	3	-	0.37	0.45	0.56	0.59	0.70	0.88	-	-	-
	4	-	0.40	0.48	0.60	0.62	0.75	0.93	1.16	1.39	1.74
	5	-	0.43	0.52	0.65	0.66	0.79	0.99	1.21	1.45	1.82
	6	-	0.46	0.55	0.69	0.70	0.84	1.04	1.26	1.52	1.90
	7	-	0.49	0.59	0.73	0.73	0.88	1.10	1.32	1.58	1.98
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.2	1.5	2	1.2	1.5	2	1.2	1.5	2
Group B	8	-	0.62	0.78	1.04	0.92	1.15	1.54	1.64	2.06	2.74
	9	-	0.66	0.82	1.09	0.97	1.21	1.61	1.71	2.14	2.85
	10	-	0.69	0.86	1.15	1.01	1.27	1.69	1.77	2.22	2.95
	12	-	0.76	0.95	1.27	1.10	1.38	1.83	1.90	2.37	3.17
	14	-	0.83	1.04	1.38	1.19	1.49	1.98	2.03	2.53	3.38
	16	-	0.90	1.12	1.50	1.28	1.60	2.13	2.15	2.69	3.59
	18	-	0.97	1.21	1.61	1.37	1.71	2.28	2.28	2.85	3.80
	20	-	1.04	1.29	1.73	1.45	1.82	2.42	2.41	3.01	4.02
	22	-	1.10	1.38	1.84	1.54	1.93	2.57	2.54	3.17	4.23
	24	-	1.17	1.47	1.96	1.63	2.04	2.72	2.66	3.33	4.44
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.5	2	3	1.5	2	3	1.5	2	3
Group C	26	-	1.55	2.07	3.11	2.15	2.87	4.30	3.49	4.65	6.98
	28	-	1.64	2.19	3.28	2.26	3.01	4.52	3.65	4.87	7.30
	30	-	1.73	2.30	3.45	2.37	3.16	4.74	3.81	5.08	7.62
	32	-	1.81	2.42	3.62	2.48	3.31	4.96	3.97	5.29	7.94
	34	-	1.90	2.53	3.80	2.59	3.46	5.18	4.13	5.50	8.26
	36	-	1.98	2.65	3.97	2.70	3.60	5.41	4.29	5.72	8.57

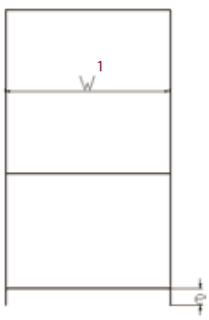
1. We offer (22) standard width sizes **W** (considering the outside width dimensions of the cable tray with an allowance of 2 mm) as shown in Weight Table.
2. α° = 30°, 45°, 60,° 90°
3. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm with an allowance of 1 mm.
4. Length varies per size of base or (width).
5. 1 inch = 25 mm.
6. Standard radius. Non-standard radii can be achieve as per order but R is equal to 0 is not applicable.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown inthe table) are the weights for an angle α=90°. The values (Kg) (as shown in the table) are the weights for an angle α=90°.

INTERNAL RISER COVER[9]



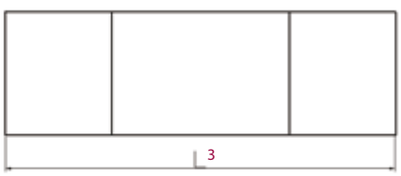
CODE: W-TYILRICR-α°-(T)

FRONT

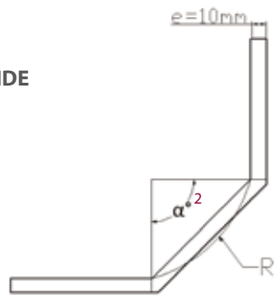


W: WIDTH
L: LENGTH
R: RADIUS
α°: ANGLE
e: EDGE

TOP



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH[4] (W)		THICKNESS[5] (THK) (mm)		
(Inch)	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 1.5mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

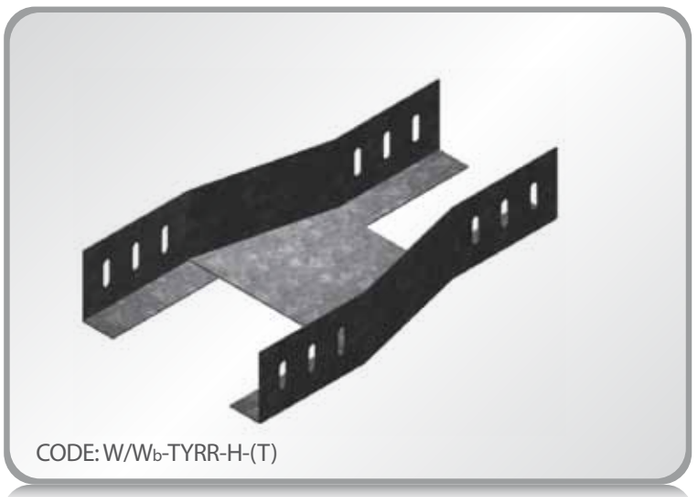
• TOTAL VARIATIONS: 264 nos.

• WEIGHT

		WEIGHT[7] Wt (Kg)		
Duty/THK (mm)		T1 1	T2 1.2	T3 1.5
W				
(Inch)	(mm)[8]			
2	-	0.18	0.22	0.27
3	-	0.24	0.29	0.37
4	-	0.30	0.36	0.46
5	-	0.37	0.44	0.55
6	-	0.43	0.51	0.64
7	-	0.49	0.59	0.74
8	-	0.55	0.66	0.83
9	-	0.61	0.74	0.92
10	-	0.68	0.81	1.02
12	-	0.80	0.96	1.20
14	-	0.92	1.11	1.39
16	-	1.05	1.26	1.58
18	-	1.17	1.41	1.76
20	-	1.30	1.56	1.95
22	-	1.42	1.71	2.14
24	-	1.55	1.86	2.32
26	-	1.67	2.01	2.51
28	-	1.79	2.15	2.69
30	-	1.92	2.30	2.88
32	-	2.04	2.45	3.07
34	-	2.17	2.60	3.25
36	-	2.29	2.75	3.44

1. We offer (22) standard width sizes **W** (considering the outside dimension of the Internal Riser) as shown in Weight Table.
2. α° = 30°, 45°, 60,° 90°
3. Length **L** of an internal riser varies with the width size **W**.
4. 1 inch = 25 mm.
5. Duties T1, T2, and T3 in this case are fixed for all sizes.
6. Standard radius. Non-standard radii can be achieve as per order but R is equal to zero is not applicable.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.
8. The actual inside dimensions depend on the choice of the Internal Riser, it is adjusted as per Internal Riser size and thickness.
9. Cable tray internal riser cover is also applicable to cable ladder internal riser.

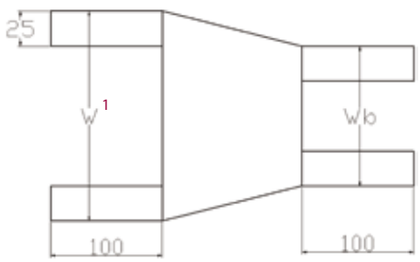
REDUCER



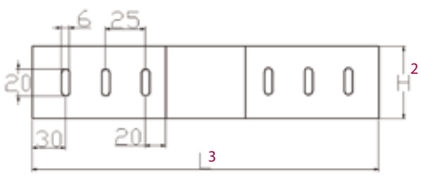
CODE: W/Wb-TYRR-H-(T)

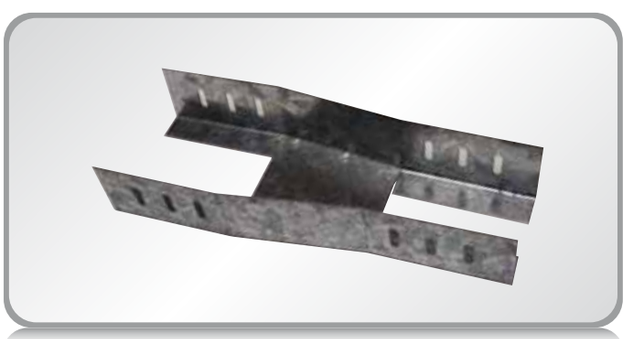
TOP

H: HEIGHT
W: WIDTH
L: LENGTH
Wb: WIDTH (#2)



SIDE





(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W/Wb)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	3 ~ 7	75 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

A cable tray fitting which is suitable for joining cable trays of different widths but having same heights in the same plane.

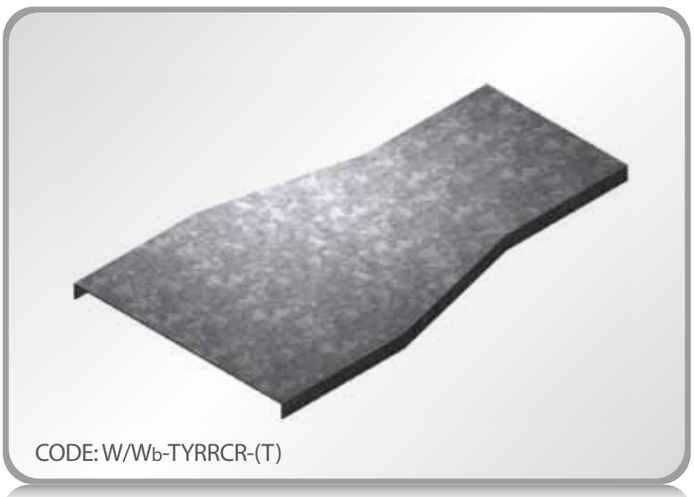
• TOTAL VARIATIONS: 183 nos.

• WEIGHT

					WEIGHT 5 Wt (Kg)								
	H (mm)				25			50			100		
	Duty/THK (mm)				T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)	L (Inch)	L (mm)									
Group A	3	-	2	-	0.31	0.37	0.46	0.43	0.51	0.64	-	-	-
	4	-	3	-	0.33	0.39	0.49	0.45	0.54	0.67	-	-	-
	5	-	4	-	0.35	0.42	0.52	0.47	0.56	0.70	0.70	0.84	1.05
	6	-	5	-	0.37	0.44	0.55	0.49	0.58	0.73	0.72	0.87	1.08
	7	-	6	-	0.39	0.47	0.58	0.51	0.61	0.76	0.74	0.89	1.11
					T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	8	-	7	-	0.49	0.61	0.81	0.63	0.79	1.05	0.91	1.14	1.52
	9	-	8	-	0.51	0.64	0.85	0.65	0.82	1.09	0.94	1.17	1.56
	10	-	9	-	0.54	0.67	0.89	0.68	0.85	1.13	0.96	1.20	1.60
	12	-	10	-	0.58	0.73	0.97	0.72	0.91	1.21	1.01	1.26	1.68
	14	-	12	-	0.63	0.79	1.05	0.77	0.96	1.29	1.06	1.32	1.76
	16	-	14	-	0.68	0.85	1.13	0.82	1.02	1.36	1.10	1.38	1.84
	18	-	16	-	0.72	0.91	1.21	0.87	1.08	1.44	1.15	1.44	1.92
	20	-	18	-	0.77	0.96	1.29	0.91	1.14	1.52	1.20	1.50	1.99
	22	-	20	-	0.82	1.02	1.36	0.96	1.20	1.60	1.24	1.55	2.07
	24	-	22	-	0.87	1.08	1.44	1.01	1.26	1.68	1.29	1.61	2.15
					T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	26	-	24	-	1.14	1.52	2.28	1.32	1.76	2.64	1.67	2.23	3.34
	28	-	26	-	1.20	1.60	2.40	1.38	1.84	2.75	1.73	2.31	3.46
	30	-	28	-	1.26	1.68	2.52	1.44	1.91	2.87	1.79	2.39	3.58
	32	-	30	-	1.32	1.76	2.63	1.49	1.99	2.99	1.85	2.46	3.70
	34	-	32	-	1.38	1.84	2.75	1.55	2.07	3.11	1.91	2.54	3.82
	36	-	34	-	1.44	1.91	2.87	1.61	2.15	3.22	1.97	2.62	3.93

1. We offer (21) standard width sizes **W** (considering the outside width dimensions of the cable tray with an allowance of 2 mm) as shown in Weight Table.
2. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm with an allowance of 1 mm.
3. Length **L** of a reducer varies with the width size **W**.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.

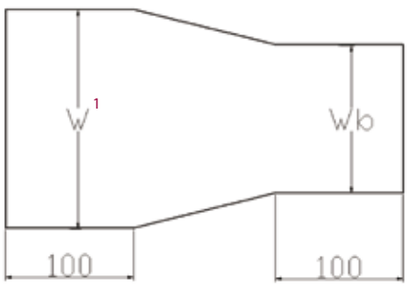
REDUCER COVER[8]



CODE: W/Wb-TYRRCR-(T)

TOP

W: WIDTH
L: LENGTH
Wb: WIDTH (#2)
e: EDGE



SIDE

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH[3] (W)		THICKNESS[4] (THK) (mm)		
(Inch)	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 1.5mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• TOTAL VARIATIONS: 63 nos.

• WEIGHT

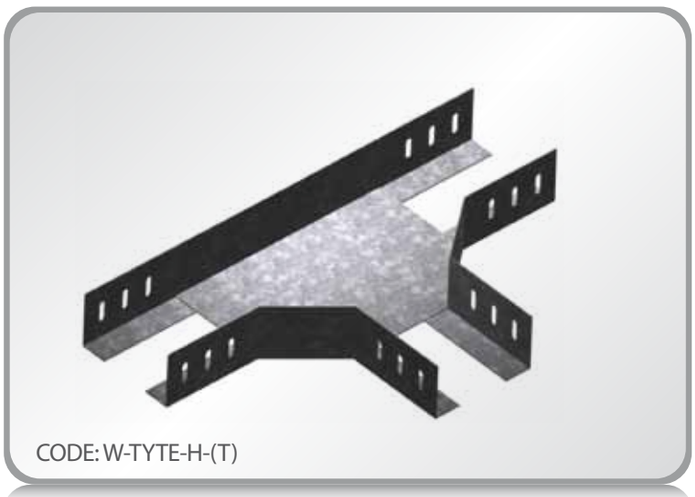
Duty/THK (mm)				WEIGHT[5] Wt (Kg)		
				T1 1	T2 1.2	T3 1.5
W		Wb				
(Inch)	(mm)[6]	(Inch)	(mm)[6]			
3	-	2	-	0.21	0.25	0.31
4	-	3	-	0.26	0.32	0.40
5	-	4	-	0.32	0.38	0.48
6	-	5	-	0.37	0.45	0.56
7	-	6	-	0.43	0.51	0.64
8	-	7	-	0.58	0.73	0.97
9	-	8	-	0.65	0.81	1.08
10	-	9	-	0.71	0.89	1.19
12	-	10	-	0.84	1.06	1.41
14	-	12	-	0.98	1.22	1.63
16	-	14	-	1.11	1.38	1.85
18	-	16	-	1.24	1.55	2.07
20	-	18	-	1.37	1.71	2.29
22	-	20	-	1.50	1.88	2.51
24	-	22	-	1.64	2.04	2.73
26	-	24	-	2.21	2.95	4.42
28	-	26	-	2.37	3.17	4.75
30	-	28	-	2.54	3.38	5.08
32	-	30	-	2.70	3.60	5.41
34	-	32	-	2.87	3.82	5.74
36	-	34	-	3.03	4.04	6.07

1. We offer (21) standard width sizes **W** (considering the outside dimension of the Reducer) as shown in Weight Table.
2. Length **L** of a reducer varies with the width size **W**.
3. 1 inch = 25 mm.
4. Duties T1, T2, and T3 in this case are fixed for all sizes.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.

6 & 7. The actual inside dimensions depend on the choice of the Reducer, it is adjusted as per Reducer size and thickness.

8. Cable tray reducer cover is also applicable to cable ladder reducer.

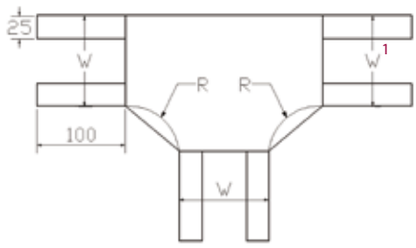
TEE



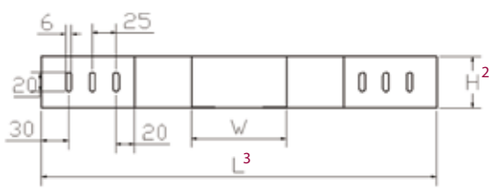
CODE: W-TYTE-H-(T)

TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS



FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[5]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

A cable tray fitting which is suitable for joining cable trays in three directions at 90° intervals in the same plane.

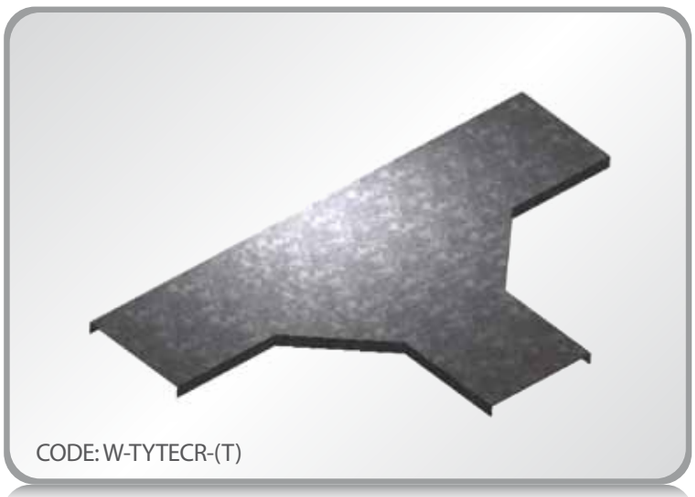
• TOTAL VARIATIONS: 192 nos.

• WEIGHT

			WEIGHT 6 Wt (Kg)								
	H (mm)		25			50			100		
	Duty/THK		T1	T2	T3	T1	T2	T3	T1	T2	T3
	(mm)		1	1.2	1.5	1	1.2	1.5	1	1.2	1.5
	W										
	(Inch)	(mm)									
Group A	2	-	0.59	0.71	0.89	0.79	0.95	1.18	-	-	-
	3	-	0.67	0.80	1.01	0.87	1.04	1.30	-	-	-
	4	-	0.76	0.91	1.14	0.96	1.15	1.44	1.37	1.64	2.05
	5	-	0.85	1.02	1.28	1.06	1.27	1.59	1.48	1.78	2.22
	6	-	0.96	1.15	1.44	1.17	1.41	1.76	1.60	1.92	2.40
	7	-	1.07	1.29	1.61	1.29	1.55	1.94	1.73	2.08	2.60
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.2	1.5	2	1.2	1.5	2	1.2	1.5	2
Group B	8	-	1.44	1.80	2.40	1.71	2.14	2.85	2.25	2.81	3.74
	9	-	1.60	2.00	2.67	1.88	2.35	3.13	2.43	3.03	4.05
	10	-	1.78	2.22	2.96	2.06	2.57	3.43	2.62	3.27	4.37
	12	-	2.16	2.70	3.60	2.45	3.07	4.09	3.04	3.80	5.06
	14	-	2.59	3.24	4.32	2.90	3.62	4.83	3.50	4.38	5.84
	16	-	3.07	3.84	5.12	3.39	4.23	5.64	4.02	5.02	6.70
	18	-	3.60	4.49	5.99	3.92	4.90	6.54	4.58	5.72	7.63
	20	-	4.17	5.21	6.95	4.51	5.63	7.51	5.19	6.48	8.64
	22	-	4.79	5.98	7.98	5.14	6.42	8.56	5.84	7.30	9.74
	24	-	5.45	6.82	9.09	5.82	7.27	9.69	6.54	8.18	10.90
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.5	2	3	1.5	2	3	1.5	2	3
Group C	26	-	7.71	10.28	15.42	8.18	10.90	16.36	9.11	12.15	18.23
	28	-	8.66	11.55	17.32	9.14	12.19	18.29	10.11	13.48	20.22
	30	-	9.67	12.89	19.34	10.17	13.56	20.34	11.16	14.89	22.33
	32	-	10.74	14.32	21.48	11.25	15.00	22.50	12.28	16.37	24.55
	34	-	11.87	15.82	23.73	12.39	16.52	24.79	13.45	17.93	26.90
	36	-	13.05	17.40	26.11	13.59	18.13	27.19	14.68	19.57	29.36

1. We offer (22) standard width sizes **W** (considering the outside width dimensions of the cable tray with an allowance of 2 mm) as shown in Weight Table.
2. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm with an allowance of 1 mm.
3. Length varies per size of base or (width).
4. 1 inch = 25 mm.
5. Standard radius. Non-standard radii can be achieve as per order.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

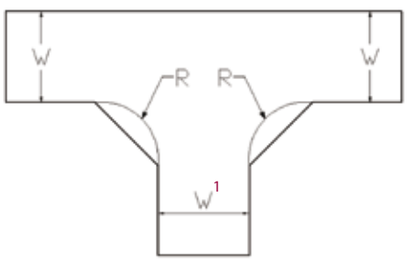
TEE COVER[8]



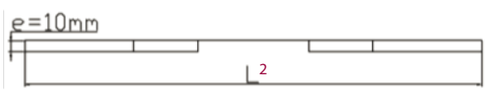
CODE: W-TYTECR-(T)

TOP

W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE



FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH[3] (W)		THICKNESS[4] (THK) (mm)		
(Inch)	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 1.5mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[5]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

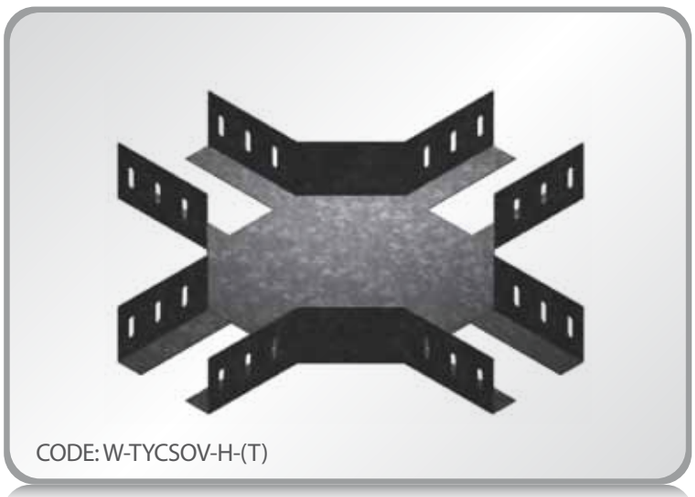
• TOTAL VARIATIONS: 66 nos.

• WEIGHT

		WEIGHT[6] Wt (Kg)		
Duty/THK (mm)		T1 1	T2 1.2	T3 1.5
W				
(Inch)	(mm)[7]			
2	-	0.71	0.85	1.06
3	-	0.87	1.04	1.30
4	-	1.04	1.25	1.56
5	-	1.23	1.48	1.84
6	-	1.43	1.72	2.15
7	-	1.64	1.97	2.47
8	-	1.87	2.25	2.81
9	-	2.12	2.54	3.17
10	-	2.37	2.85	3.56
12	-	2.64	3.17	3.96
14	-	2.92	3.51	4.39
16	-	3.22	3.87	4.83
18	-	3.53	4.24	5.30
20	-	3.86	4.63	5.78
22	-	4.19	5.03	6.29
24	-	4.55	5.46	6.82
26	-	4.91	5.89	7.37
28	-	5.29	6.35	7.94
30	-	5.69	6.82	8.53
32	-	6.09	7.31	9.14
34	-	6.51	7.82	9.77
36	-	6.95	8.34	10.42

1. We offer (22) standard width sizes **W** (considering the outside width dimension of the Tee) as shown in Weight Table.
2. Length varies per size of base or (width).
3. 1 inch = 25 mm.
4. Duties T1, T2, and T3 in this case are fixed for all sizes.
5. Standard radius. Non-standard radii can be achieve as per order.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.
7. The actual inside dimensions depend on the choice of the Tee, it is adjusted as per Tee size and thickness.
8. Cable tray tee cover is also applicable to cable ladder tee.

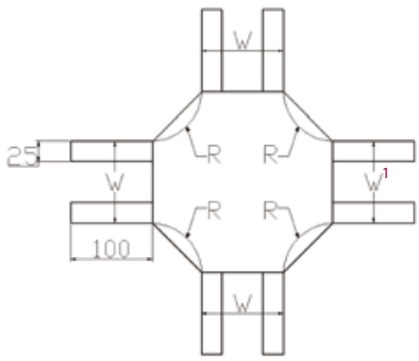
CROSS-OVER



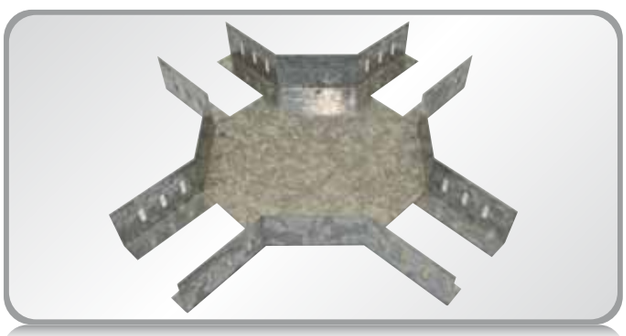
CODE: W-TYCSOV-H-(T)

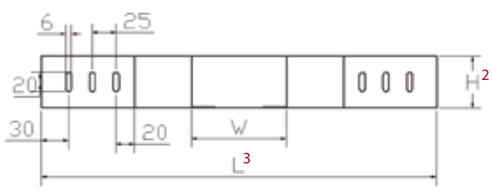
TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS



FRONT





(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	2 ~ 7	50 ~ 175	1	1.2	1.5
B	8 ~ 24	200 ~ 600	1.2	1.5	2
C	26 ~ 36	650 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[5]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

A cable tray fitting which is suitable for joining cable trays in **four** directions at 90° intervals in the same plane.

• TOTAL VARIATIONS: 192 nos.

• WEIGHT

			WEIGHT 6 Wt (Kg)								
	H (mm)		25			50			100		
	Duty/THK		T1	T2	T3	T1	T2	T3	T1	T2	T3
	(mm)		1	1.2	1.5	1	1.2	1.5	1	1.2	1.5
	W										
	(Inch)	(mm)									
Group A	2	-	0.79	0.94	1.18	1.02	1.23	1.53	-	-	-
	3	-	0.87	1.04	1.30	1.10	1.32	1.65	-	-	-
	4	-	0.96	1.15	1.44	1.19	1.43	1.79	1.66	2.00	2.49
	5	-	1.06	1.27	1.58	1.29	1.55	1.94	1.76	2.12	2.64
	6	-	1.17	1.40	1.75	1.40	1.68	2.10	1.87	2.25	2.81
	7	-	1.29	1.54	1.93	1.52	1.82	2.28	1.99	2.39	2.99
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.2	1.5	2	1.2	1.5	2	1.2	1.5	2
Group B	8	-	1.70	2.12	2.83	1.98	2.47	3.30	2.54	3.18	4.24
	9	-	1.86	2.33	3.11	2.15	2.68	3.58	2.71	3.39	4.52
	10	-	2.04	2.55	3.40	2.32	2.91	3.87	2.89	3.61	4.82
	12	-	2.43	3.04	4.06	2.72	3.40	4.53	3.28	4.10	5.47
	14	-	2.87	3.59	4.79	3.16	3.95	5.26	3.72	4.65	6.20
	16	-	3.36	4.20	5.60	3.64	4.55	6.07	4.21	5.26	7.01
	18	-	3.89	4.87	6.49	4.18	5.22	6.96	4.74	5.93	7.90
	20	-	4.47	5.59	7.46	4.76	5.95	7.93	5.32	6.65	8.87
	22	-	5.10	6.38	8.50	5.39	6.73	8.98	5.95	7.44	9.92
	24	-	5.78	7.22	9.63	6.06	7.57	10.10	6.63	8.28	11.04
			T1	T2	T3	T1	T2	T3	T1	T2	T3
			1.5	2	3	1.5	2	3	1.5	2	3
Group C	26	-	8.12	10.83	16.25	8.48	11.30	16.95	9.18	12.25	18.37
	28	-	9.09	12.11	18.17	9.44	12.58	18.88	10.15	13.53	20.29
	30	-	10.11	13.47	20.21	10.46	13.95	20.92	11.17	14.89	22.33
	32	-	11.18	14.91	22.37	11.54	15.38	23.08	12.24	16.33	24.49
	34	-	12.32	16.43	24.65	12.68	16.90	25.35	13.38	17.84	26.76
	36	-	13.52	18.03	27.04	13.87	18.50	27.75	14.58	19.44	29.16

1. We offer (22) standard width sizes **W** (considering the outside width dimensions of the cable tray with an allowance of 2 mm) as shown in Weight Table.
2. We offer (3) different heights **H** (inside dimension) (25, 50, 100) mm with an allowance of 1 mm.
3. Length varies per size of base or (width).
4. 1 inch = 25 mm.
5. Standard radius. Non-standard radii can be achieve as per order.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

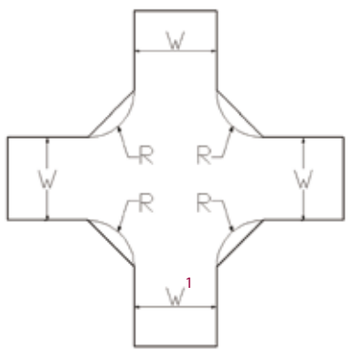
CROSS-OVER COVER [8]

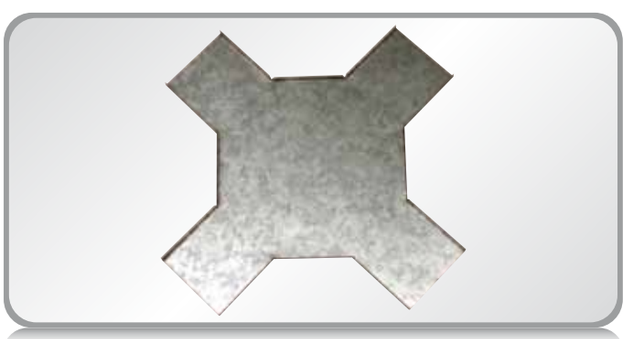
CODE: W-TYCOCR- (THK)

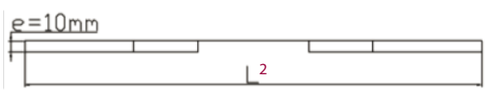
TOP

FRONT

W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE







(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

WIDTH [3] (W)		THICKNESS [4] (THK) (mm)		
(Inch)	(mm)	T1	T2	T3
2 ~ 36	50 ~ 900	1	1.2	1.5

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 1.5mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R) [5]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• TOTAL VARIATIONS: 66 nos.

• WEIGHT

		WEIGHT [6] Wt (Kg)		
Duty/THK (mm)		T1 1	T2 1.2	T3 1.5
W				
(Inch)	(mm) [7]			
2	-	1.23	1.48	1.86
3	-	1.39	1.68	2.10
4	-	1.56	1.88	2.36
5	-	1.74	2.10	2.63
6	-	1.93	2.33	2.91
7	-	2.13	2.57	3.21
8	-	2.34	2.82	3.53
9	-	2.56	3.08	3.86
10	-	2.79	3.36	4.20
12	-	3.28	3.94	4.94
14	-	3.81	4.57	5.73
16	-	4.37	5.25	6.58
18	-	4.98	5.98	7.49
20	-	5.62	6.76	8.46
22	-	6.31	7.58	9.48
24	-	7.03	8.44	10.57
26	-	7.79	9.36	11.71
28	-	8.60	10.32	12.92
30	-	9.44	11.33	14.18
32	-	10.32	12.39	15.50
34	-	11.24	13.49	16.88
36	-	12.20	14.64	18.32

1. We offer (22) standard width sizes **W** (considering the outside width dimension of the Cross-Over) as shown in Weight Table.
2. Length varies per size of base or (width).
3. 1 inch = 25 mm.
4. Duties T1, T2, and T3 in this case are fixed for all sizes.
5. Standard radius. Non-standard radii can be achieve as per order.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.
7. The actual inside dimensions depend on the choice of the Cross-over, it is adjusted as per Cross-over size and thickness.
8. Cable tray cross-over cover is also applicable to cable ladder cross-over.

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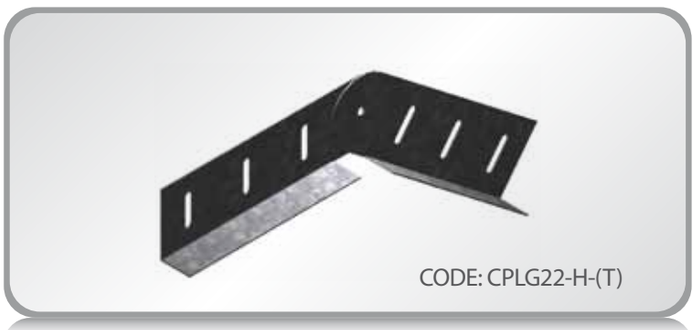
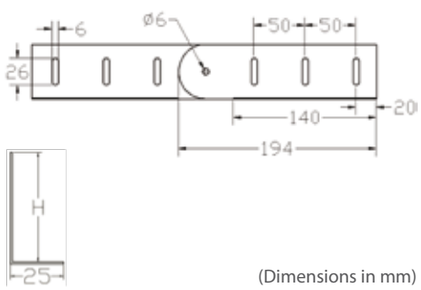
Accessories

COUPLING 22



FRONT

SIDE



(Dimensions in mm)

• SPECIFICATIONS

LENGTH (L)	341 mm
HEIGHT (H)	50, 75, or 100 mm
THICKNESS	1mm ~ 3mm
MATERIAL	Galvanized Iron

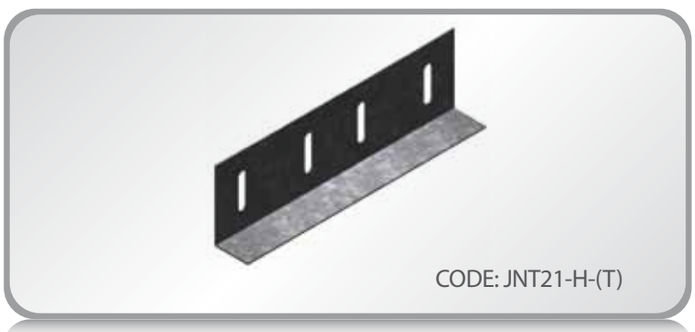
• APPLICATION

The coupling 22 is used for horizontal or vertical branches at any desired angle.
Note: Screw and nut set are not provided.

HEIGHT H (mm)	WEIGHT Wt (Kg) HEIGHT H (mm) 25	50	75	100
1	0.14	0.20	0.26	0.32
1.2	0.18	0.25	0.32	0.39
1.5	0.23	0.31	0.40	0.48
2	0.29	0.41	0.53	0.65
3	0.43	0.61	0.79	0.97

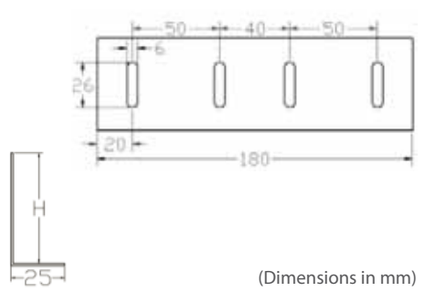
• TOTAL VARIATIONS: 15 nos.

JOINT 21



FRONT

SIDE



(Dimensions in mm)

• SPECIFICATIONS

LENGTH (L)	180 mm
HEIGHT (H)	50, 75, or 100 mm
THICKNESS	1mm ~ 3mm
MATERIAL	Galvanized Iron

• APPLICATION

The joint 21 is used for straight, rigid joining of cable trays. It also prevents Cable ladder from slipping apart.
Note: Set of screw & nut to be used for fixing are not provided.

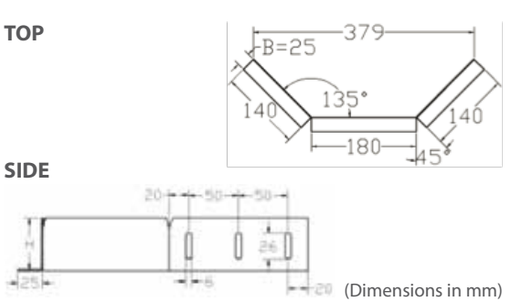
HEIGHT H (mm)	WEIGHT Wt (Kg) HEIGHT H (mm) 25	50	75	100
1	0.10	0.14	0.18	0.22
1.2	0.11	0.16	0.21	0.26
1.5	0.14	0.20	0.26	0.32
2	0.19	0.27	0.35	0.43
3	0.29	0.41	0.53	0.65

• TOTAL VARIATIONS: 15 nos.

JUNCTION COUPLING 14

TOP

SIDE



(Dimensions in mm)

• SPECIFICATIONS

LENGTH (L)	379 mm
HEIGHT (H)	50, 75, or 100 mm
THICKNESS	1mm ~ 3mm
MATERIAL	Galvanized Iron

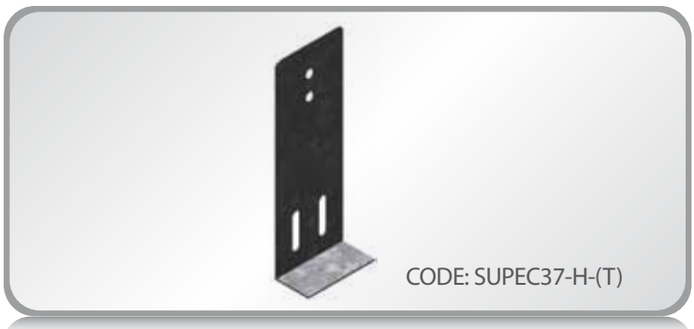
• APPLICATION

The junction coupling 14 is used for T and X-connections of cable trays.
Note: Set of screw & nut to be used for fixing are not provided.

HEIGHT H (mm)	WEIGHT Wt (Kg) HEIGHT H (mm) 25	50	75	100
1	0.16	0.23	0.30	0.37
1.2	0.20	0.28	0.36	0.44
1.5	0.25	0.35	0.45	0.55
2	0.34	0.47	0.60	0.73
3	0.50	0.70	0.90	1.10

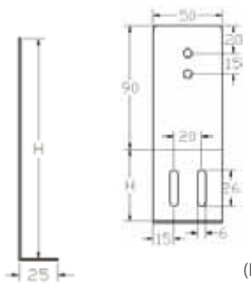
• TOTAL VARIATIONS: 15 nos.

SUPPORT PIECE 37



FRONT

SIDE



(Dimensions in mm)

• SPECIFICATIONS

WIDT	50 mm
HEIGHT	(50, 75 or 100 mm) +90 mm
THICKNESS	1 mm ~ 3 mm
MATERIAL	Galvanized Iron

• APPLICATION

When installing covers, the support pieces are mounted approx. every 0.5m along both sides of the cable trays.
Note: Set of screw & nut to be used for fixing are not provided.

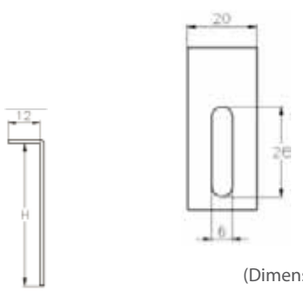
HEIGHT H (mm)	WEIGHT Wt (Kg) HEIGHT H (mm)			
	25	50	75	100
1	0.06	0.07	0.08	0.09
1.2	0.06	0.08	0.10	0.11
1.5	0.08	0.10	0.12	0.13
2	0.12	0.14	0.16	0.18
3	0.18	0.21	0.24	0.27

• TOTAL VARIATIONS: 15 nos.

COVER CLAMP

FRONT

SIDE



(Dimensions in mm)

• SPECIFICATIONS

WIDTH	20 mm
HEIGHT	45 mm
THICKNESS	1mm ~ 3mm
MATERIAL	Galvanized Iron

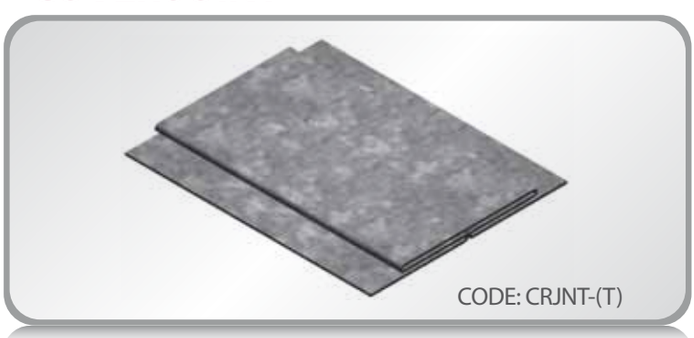
• APPLICATION

Cover clamps are required when installing a cover on a cable trays through a support piece 37.
Note: Set of screw & nut to be used for fixing are not provided.

HEIGHT H (mm)	WEIGHT Wt (Kg) HEIGHT H (mm)		
	45	-	-
1	0.007	-	-
1.2	0.008	-	-
1.5	0.011	-	-
2	0.014	-	-
3	0.021	-	-

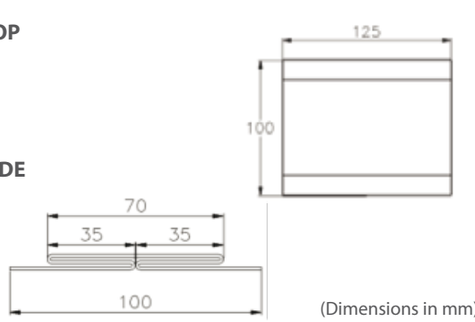
• TOTAL VARIATIONS: 5 nos.

COVER JOINT



TOP

SIDE



(Dimensions in mm)

• SPECIFICATIONS

LENGTH	125 mm
WIDTH	100 mm
THICKNESS	1 mm
MATERIAL	Galvanized Iron
WEIGHT	0.169 Kg

• APPLICATION

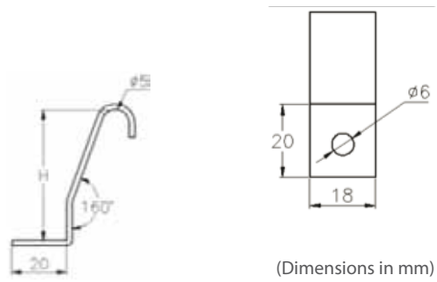
Cover joint is used for joining 2 cable trays respective covers providing more structure integrity.
Note: Applicable for all cover thicknesses.

• TOTAL VARIATIONS: 1 nos.

CLAMP 42

TOP

SIDE



(Dimensions in mm)

- **SPECIFICATIONS**

HEIGHT	50, 75, or 100 mm
THICKNESS	1 mm ~ 1.5 mm
MATERIAL	Galvanized Iron

HEIGHT H (mm)	**WEIGHT Wt** (Kg) **HEIGHT H** (mm)			
	25	**50**	**75**	**100**
1	0.010	0.014	0.018	0.021
1.2	0.013	0.017	0.021	0.025
1.5	0.016	0.021	0.026	0.032

- **APPLICATION**

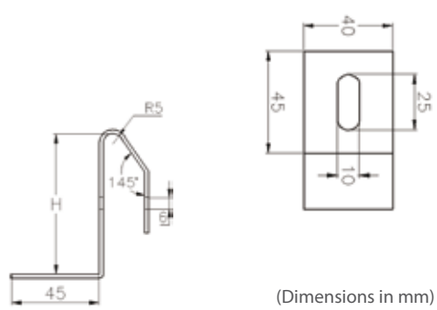
Used for installation where the cable trays is to be fixed to cantilever arms or support brackets.
Note: Set of screw & nut to be used for fixing are not provided.

- **TOTAL VARIATIONS:** **9 nos.**

WALL BRACKET 11/25

TOP

SIDE



(Dimensions in mm)

- **SPECIFICATIONS**

HEIGHT	50, 75, or 100 mm
THICKNESS	1 mm ~ 1.5 mm
MATERIAL	Galvanized Iron

HEIGHT H (mm)	**WEIGHT Wt** (Kg) **HEIGHT H** (mm)			
	25	**50**	**75**	**100**
1	0.015	0.018	0.021	0.055
1.2	0.018	0.021	0.025	0.066
1.5	0.020	0.026	0.032	0.082

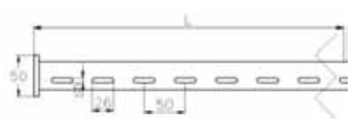
- **APPLICATION**

For vertical or horizontal installation of cable trays against a wall.
Note: Set of screw & nut to be used for fixing are not provided.

- **TOTAL VARIATIONS:** **9 nos.**

CANTILEVER ARM

TOP



SIDE

(Dimensions in mm)

- **SPECIFICATIONS**

LENGTH	200, 400, 600, 750, or 900 mm
HEIGHT	165 mm
THICKNESS	3mm or 4mm
MATERIAL	Galvanized Iron

LENGTH L (mm)	**WEIGHT Wt** (Kg) **HEIGHT H** (mm)	
	3	**4**
200	1.08	1.31
400	1.76	2.22
600	2.45	3.14
750	2.97	3.83
900	3.48	4.51

- **APPLICATION**

A wall mounting support for U-channels or cable trays.

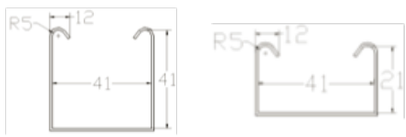
Note: Set of screw & nut to be used for fixing are not provided.

- **TOTAL VARIATIONS:** **10 nos.**

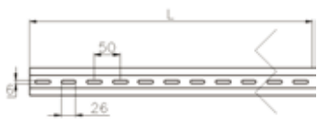
U-CHANNEL

CODE: UCH-W/H-L-(T)

FRONT



TOP



(Dimensions in mm)

• SPECIFICATIONS

LENGTH	2440 mm
HEIGHT	21, 41 mm
WIDTH	41 mm
THICKNESS	1 mm ~ 2 mm
MATERIAL	Galvanized Iron

HEIGHT:41 mm	**WEIGHT**
THICKNESS THK (mm)	**Wt** (Kg)
1	2.82
1.2	3.38
1.5	4.22
2	5.6

HEIGHT:21 mm	**WEIGHT**
THICKNESS THK (mm)	**Wt** (Kg)
1	2.05
1.2	2.46
1.5	3.07
2	4.1

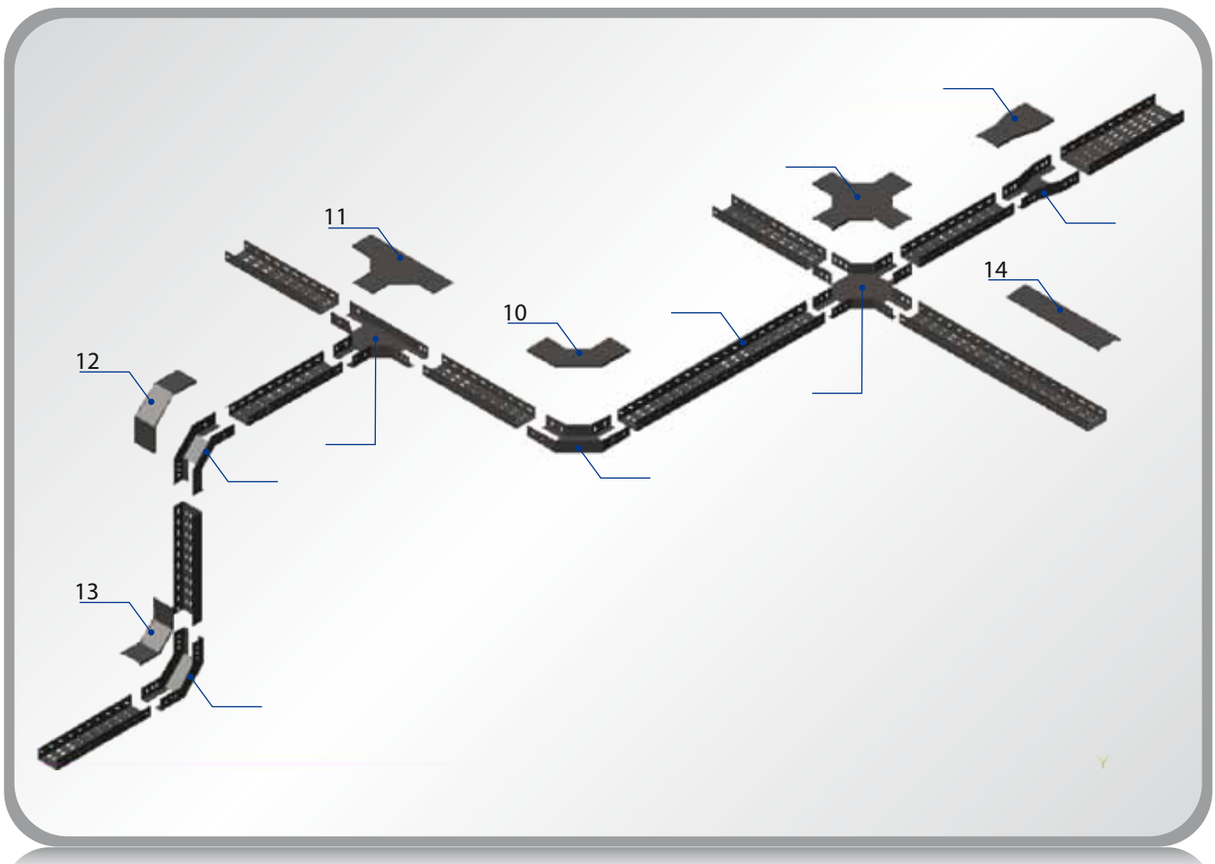
• APPLICATION

U-channel is used for mounting of support brackets, cantilever arms, cable trays.
Note: Set of screw & nut to be used for fixing are not provided.

• TOTAL VARIATIONS: 8 nos.

1. Cable tray accessories are also applicable to cable ladder system.

CABLE TRAY INSTALLATION GUIDE 1

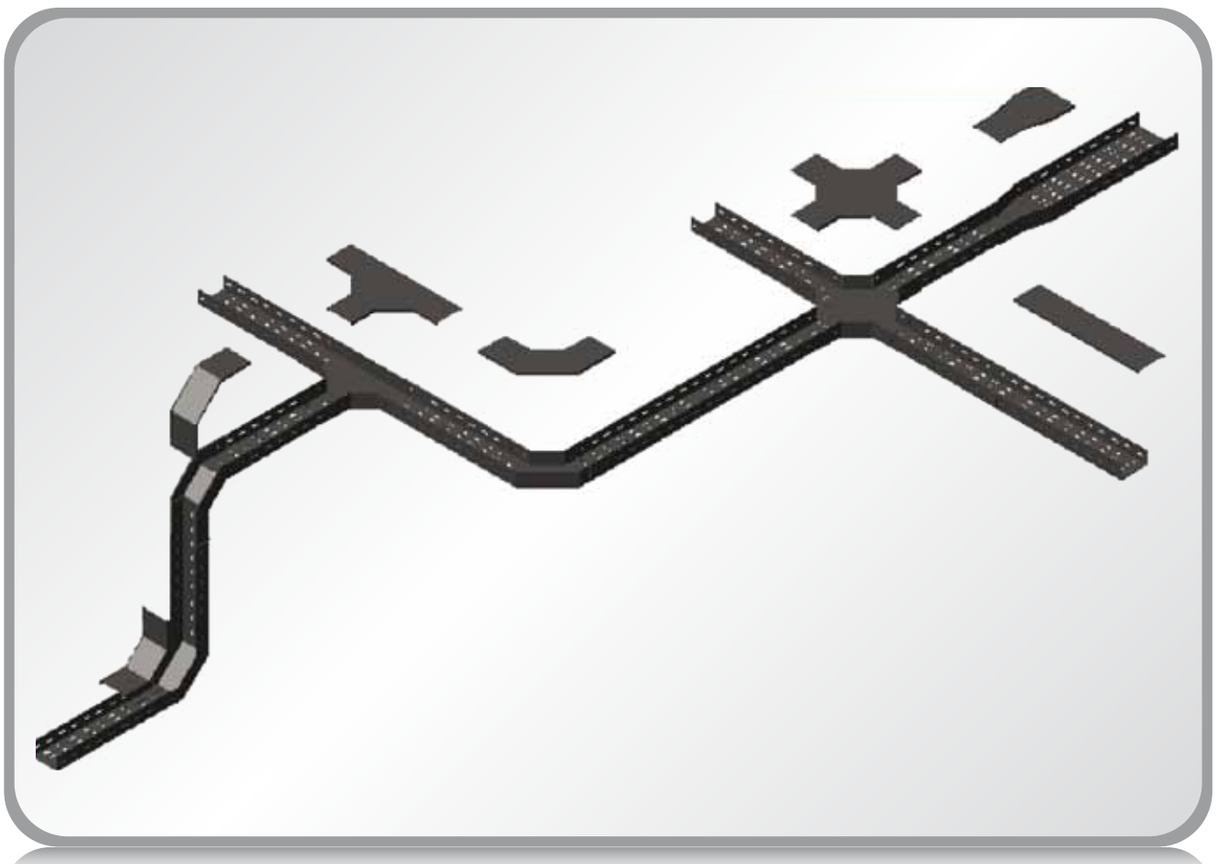


PARTS & DESCRIPTION

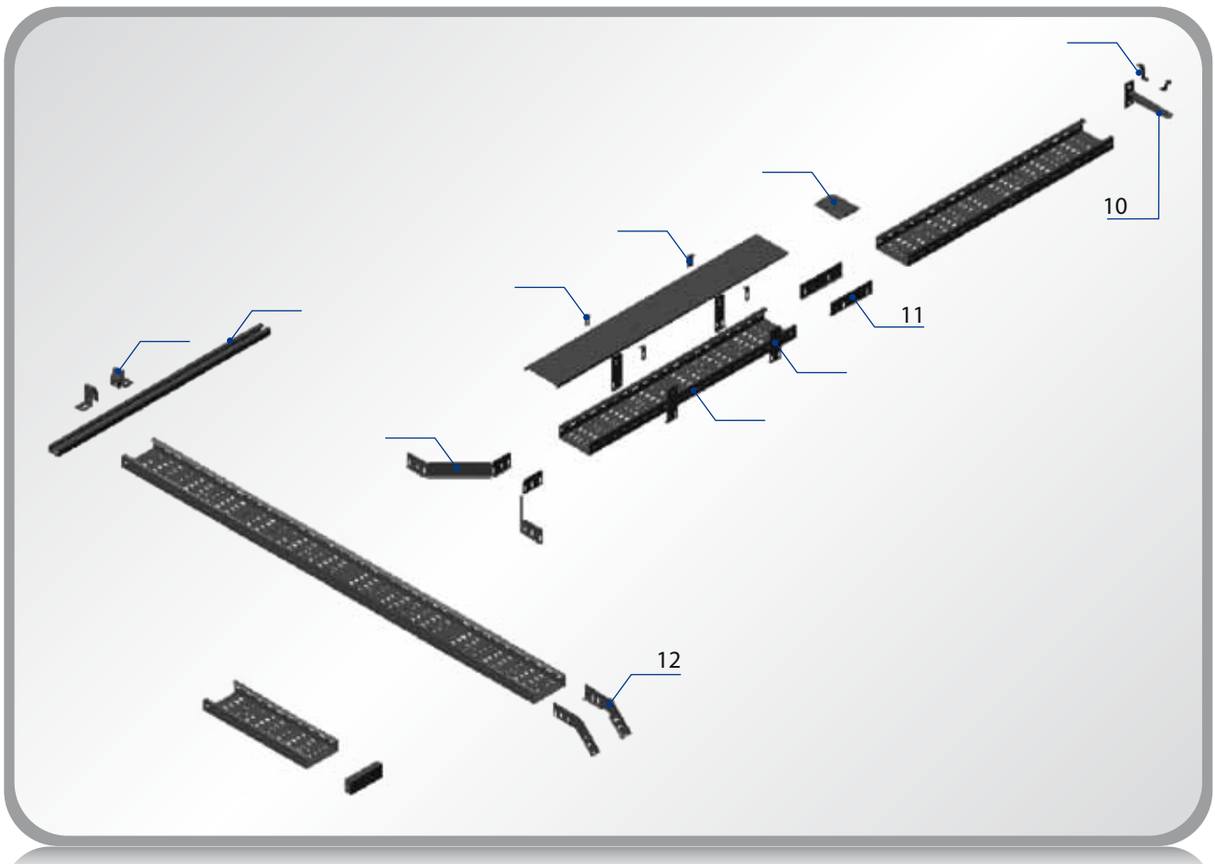
PART	DESCRIPTION
1	CABLE TRAY
2	ELBOW
3	TEE
4	EXTERNAL RISER
5	INTERNAL RISER
6	CROSS-OVER
7	REDUCER
8	REDUCER COVER
9	CROSS-OVER COVER
10	ELBOW COVER
11	TEE COVER
12	EXTERNAL RISER COVER
13	INTERNAL RISER COVER
14	CABLE TRAY COVER

- **NOTE**
  A set of screws are used when joining cable tray into its accessories.

CABLE TRAY TYPICAL LAYOUT 1



CABLE TRAY INSTALLATION GUIDE 2

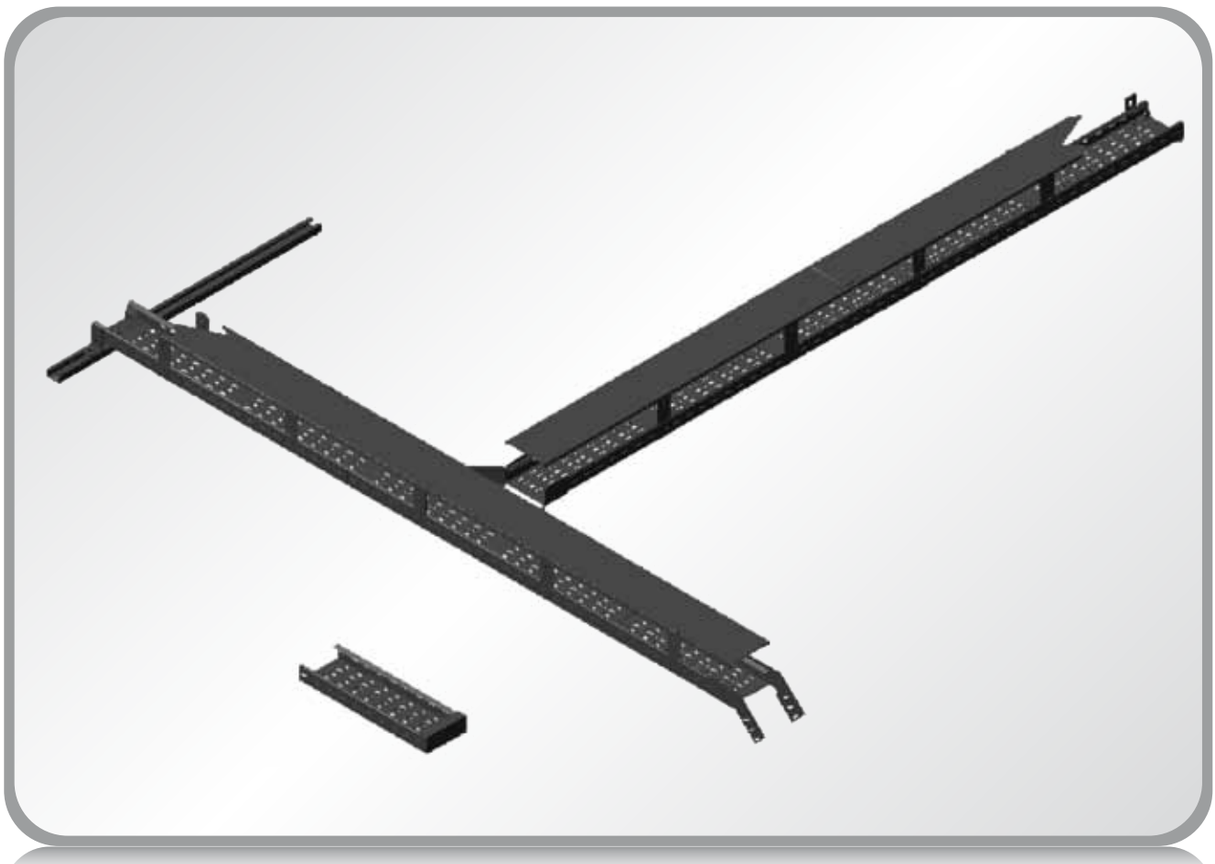


PARTS & DESCRIPTION

PART	DESCRIPTION
1	CABLE TRAY
2	CABLE TRAY COVER
3	COVER JOINT
4	SUPPORT PIECE 37
5	COVER CLAMP
6	CLAMP 42
7	JUNCTION COUPLING 14
8	U-CHANNEL
9	WALL BRACKET 11/25
10	CANTILEVER ARM
11	JOINT 21
12	COUPLING 22

- **NOTE**
  A set of screws are used when joining cable tray into its accessories.

CABLE TRAY TYPICAL LAYOUT 2



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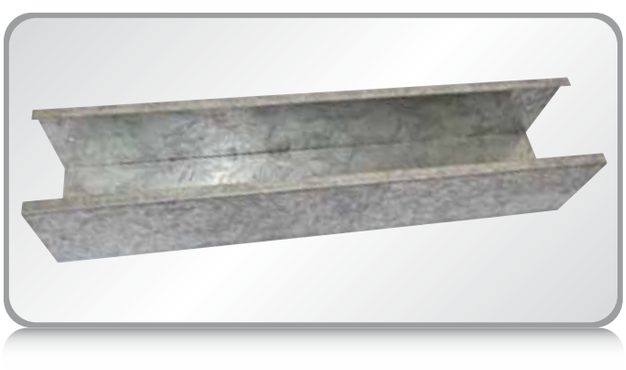
Notes

CABLE TRUNKING

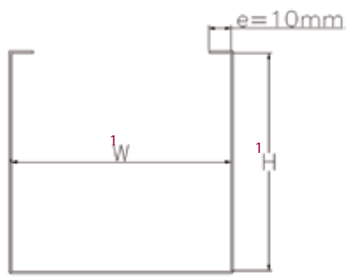
CABLE TRUNKING

CODE: W/H-TK-L-(T)

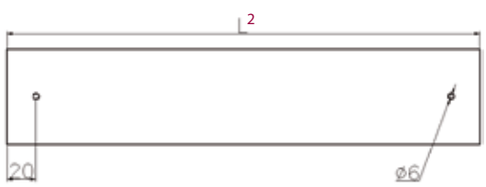


FRONT

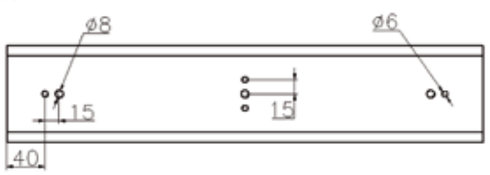
H: HEIGHT
W: WIDTH
L: LENGTH
e: EDGE



SIDE



TOP



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 2mm	-

• APPLICATION

Cable trunking can hold, guide, and protect wires and cables. Usual type of installation is wall mounted.

• DUTY & WEIGHT

						WEIGHT[4] Wt (KG)					
DESCRIPTION	DIMENSIONS					DUTY / THK					
(W/H)	W[3]		H		L	T1		T2		T3	
(mm)	(Inch)	(mm)	(Inch)	(mm)	(mm)	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
50/50	2	50	2	50	2000	0.6	1.60	1	2.67	1.2	3.20
75/50	3	75	2	50	2000	0.6	1.84	1	3.06	1.2	3.67
75/75	3	75	3	75	2000	0.6	2.31	1	3.85	1.2	4.62
100/50	4	100	2	50	2000	0.6	2.07	1	3.45	1.2	4.14
100/100	4	100	4	100	2000	0.6	3.01	1	5.02	1.2	6.03
150/75	6	150	3	75	2440	1	6.13	1.2	7.36	1.5	9.19
150/100	6	150	4	100	2440	1	7.09	1.2	8.50	1.5	10.63
150/150	6	150	6	150	2440	1	9.00	1.2	10.80	1.5	13.50
200/50	8	200	2	50	2440	1	6.13	1.2	7.36	1.5	9.19
200/200	8	200	8	200	2440	1	11.88	1.2	14.25	1.5	17.81
250/250	10	250	10	250	2440	1.2	17.70	1.5	22.12	2	29.50
300/300	12	300	12	300	2440	1.2	21.15	1.5	26.43	2	35.24

• TOTAL VARIATIONS: 36 nos.

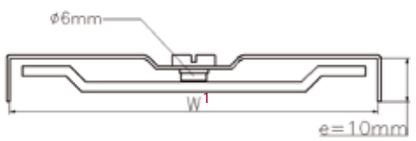
THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (12) standard variations (combination of **W** and **H**) (inside dimensions) as shown in the Duty & Weight Table.
2. We are using the standard lengths as shown in the Duty & Weight Table; however customized orders are possible.
3. 1 inch = 25 mm.
4. All weights in the table are calculated with an approximate average error percentage of 1.72% (average for 3 different percentage errors based on 3 duties for the same size **W**) .

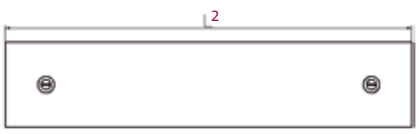
CABLE TRUNKING COVER

FRONT

W: WIDTH
L: LENGTH
e: EDGE



TOP



FRONT

TOP

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• DUTY & WEIGHT

DUTY / THK (mm)			WEIGHT [4] Wt (KG)		
			T_1 0.6	T_2 1	T_3 1.2
W		L			
(Inch)[4]	(mm)[5]	(mm)			
2	-	2000	0.67	1.13	1.36
3	-	2000	0.91	1.52	1.84
4	-	2000	1.14	1.92	2.31
6	-	2440	1.97	3.29	3.96
8	-	2440	2.54	4.25	5.11
10	-	2440	3.12	5.21	6.26
12	-	2440	3.69	6.17	7.41

• TOTAL VARIATIONS: 21 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (7) standard variations of the width **W** (inside dimensions) (considering the outside width of the cable trunking where **W** = cable trunking Width + 2 x cable trunking thickness + (allowance of 1 mm)).
2. We are using the standard lengths as shown in the Duty & Weight Table.
3. For **W** = 2", 3", and 4", the fitted lock size ranges from 2" to 4". For **W** = 6" or more two 2" locks are fitted.
4. 1 inch = 25 mm.
5. The actual inside dimensions depend on the choice of the cable trunking, it is adjusted as per cable trunking size and thickness.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

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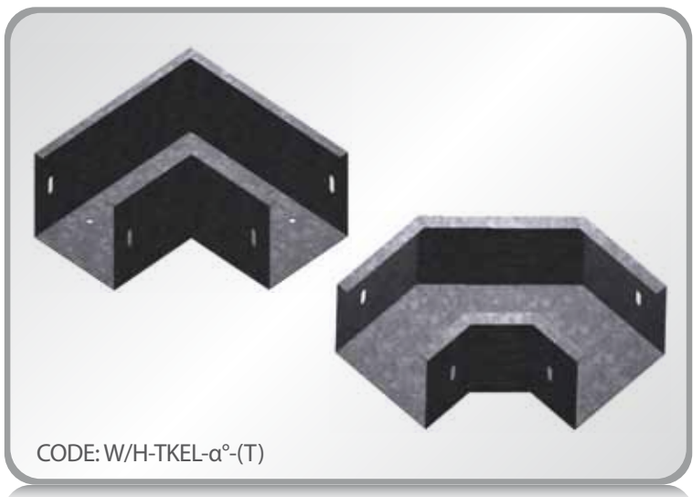
Notes

FITTINGS

ELBOW

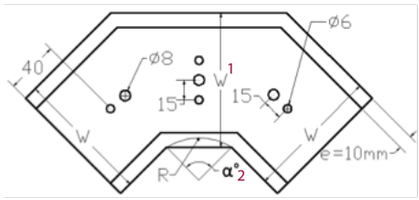


CODE: W/H-TKEL-α°-(T)

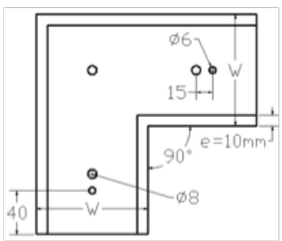
TOP

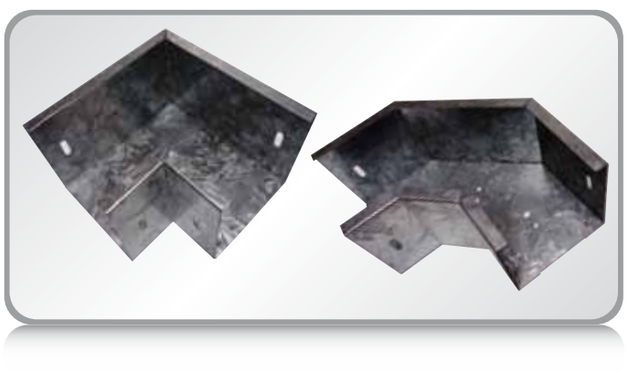
DESIGN 1
(REGULAR CUT):

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE
α°: ANGLE

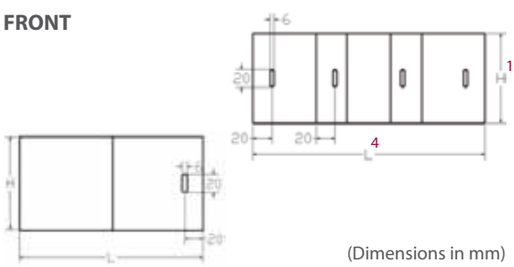


DESIGN 2 [3]
(NARROW CUT):





FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 2mm	-

• APPLICATION

A cable trunking fitting which changes the direction in the same plane.

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[8]
(Inch)	(mm)	(mm)
2 ~ 6	50 ~ 150	75
8 ~ 12	200 ~ 300	150

• DUTY & WEIGHT

					WEIGHT [7] Wt (KG)					
DESCRIPTION	DIMENSIONS				DUTY / THK					
(W/H)[5]	W		H		T1		T2		T3	
(mm)	(Inch)[6]	(mm)	(Inch)	(mm)	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
50/50	2	50	2	50	0.6	0.22	1	0.37	1.2	0.44
75/50	3	75	2	50	0.6	0.28	1	0.46	1.2	0.56
75/75	3	75	3	75	0.6	0.33	1	0.55	1.2	0.66
100/50	4	100	2	50	0.6	0.34	1	0.57	1.2	0.69
100/100	4	100	4	100	0.6	0.45	1	0.75	1.2	0.90
150/75	6	150	3	75	1	0.94	1.2	1.12	1.5	1.40
150/100	6	150	4	100	1	1.04	1.2	1.25	1.5	1.57
150/150	6	150	6	150	1	1.20	1.2	1.44	1.5	1.80
200/50	8	200	2	50	1	1.14	1.2	1.37	1.5	1.71
200/200	8	200	8	200	1	1.89	1.2	2.26	1.5	2.83
250/250	10	250	10	250	1.2	3.16	1.5	3.95	2	5.26
300/300	12	300	12	300	1.2	4.20	1.5	5.25	2	7.00

• TOTAL VARIATIONS: 180 nos.

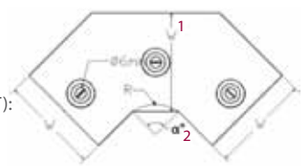
THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (12) standard variations (combination of **W** and **H**) (inside dimensions) as shown in the Duty & Weight Table.
2. **α**° = 30°, 45°, 60° or 90°.
3. For **α**=90°, we offer an alternative design (narrow cut) where R is equal to 0.
4. Length varies per size of base or (width).
5. Cable trunking Elbow description applicable for all values of **α**.
6. 1 inch = 25 mm.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90° for design 1.
8. Standard radius. Non-standard radii can be achieve as per order.

ELBOW COVER

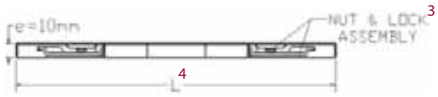
TOP

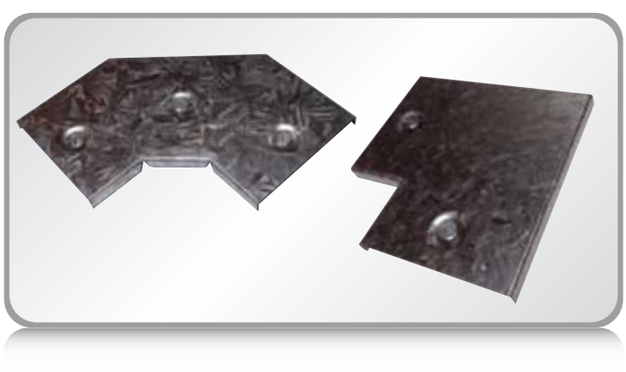
DESIGN 1
(REGULAR CUT):



W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE
α°: ANGLE

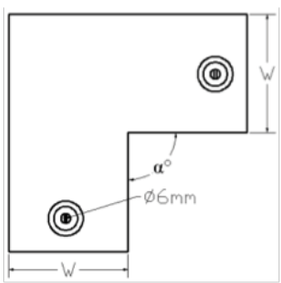
FRONT





TOP

DESIGN 2[5]
(NARROW CUT):



FRONT

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[9]
(Inch)	(mm)	(mm)
2 ~ 6	50 ~ 150	75
8 ~ 12	200 ~ 300	150

• DUTY & WEIGHT

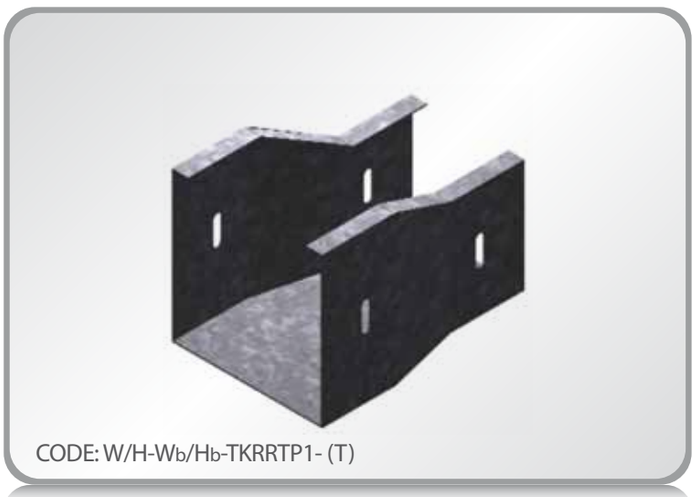
DUTY / THK (mm)		WEIGHT [8] Wt (KG) T1 0.6	T2 1	T3 1.2
W				
(Inch)[6]	(mm)[7]			
2	-	0.08	0.13	0.15
3	-	0.12	0.20	0.24
4	-	0.17	0.28	0.33
6	-	0.29	0.48	0.58
8	-	0.45	0.75	0.89
10	-	0.64	1.06	1.27
12	-	0.86	1.43	1.72

• TOTAL VARIATIONS: 105 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (7) standard variations of the width W (inside dimensions) (considering the outside width of the Elbow where W = Elbow Width + 2 x Elbow thickness + (allowance of 1 mm)).
2. α° = 30°, 45°, 60° or 90°.
3. For W = 2", 3", and 4", the fitted lock size ranges from 2" to 4". For W = 6" or more two 2" locks are fitted.
4. Length of an Elbow varies with the width size W.
5. For α=90°, we offer an alternative design (narrow cut) where R is equal to 0.
6. 1 inch = 25 mm.
7. The actual inside dimensions depend on the choice of the Elbow, it is adjusted as per Elbow size and thickness.
8. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90° for design 1.
9. Standard radius. Non-standard radii can be achieve as per order.

REDUCER TYPE 1

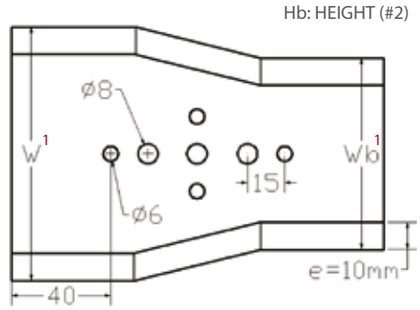


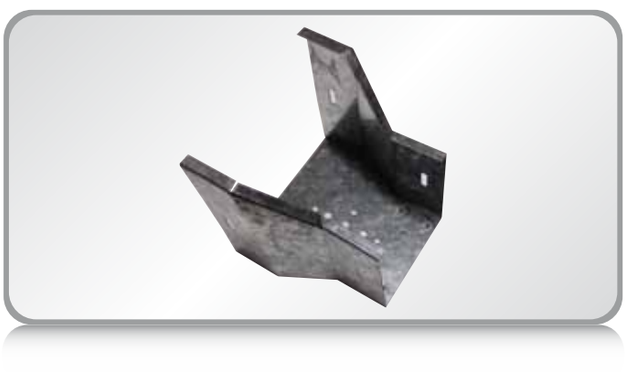
CODE: W/H-Wb/Hb-TKRRTP1- (T)

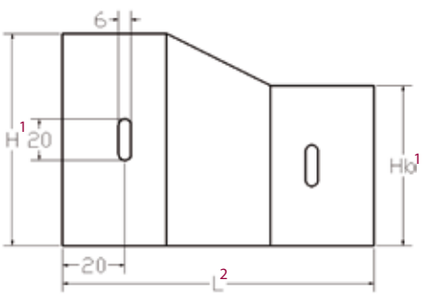
TOP

SIDE

H: HEIGHT
W: WIDTH
L: LENGTH
e: EDGE
Wb: WIDTH (#2)
Hb: HEIGHT (#2)







(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 2mm	-

• APPLICATION

A cable trunking fitting which is suitable for joining cable trunking of different heights and widths in the same plane.

• DUTY & WEIGHT

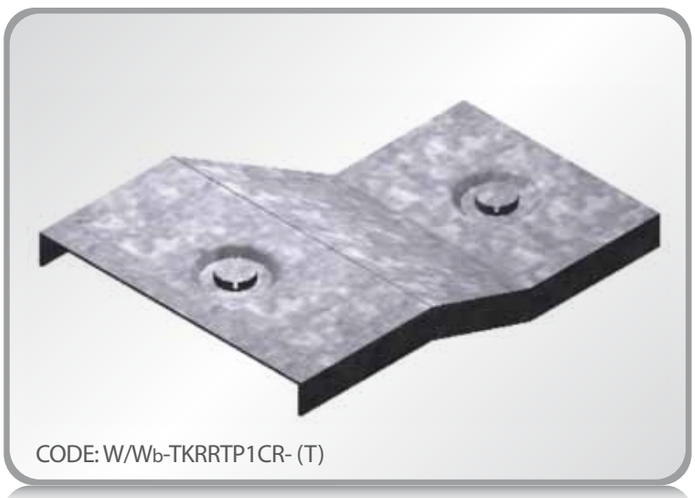
DESCRIPTION/DIMENSIONS				WEIGHT [5] Wt (KG)					
(W/H→Wb/Hb)[3]				DUTY / THK					
W/H		Wb/Hb		T1		T2		T3	
(Inch)[4]	(mm)	(Inch)	(mm)	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
3/3	75/75	2/2	50/50	0.6	0.20	1	0.34	1.2	0.41
4/4	100/100	3/3	75/75	0.6	0.26	1	0.43	1.2	0.51
4/4	100/100	2/2	50/50	0.6	0.24	1	0.41	1.2	0.49
6/6	150/150	4/4	100/100	1	0.62	1.2	0.74	1.5	0.93
6/6	150/150	3/3	75/75	1	0.58	1.2	0.70	1.5	0.89
8/8	200/200	6/6	150/150	1	0.80	1.2	0.96	1.5	1.2
10/10	250/250	8/8	200/200	1.2	1.03	1.5	1.29	2	1.71
12/12	300/300	10/10	250/250	1.2	1.39	1.5	1.74	2	2.32

• TOTAL VARIATIONS: 24 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (8) standard variation (combination of **H**/**W** and **Hb**/**Wb**) (inside dimensions)as shown in Duty & Weight Table.
2. Length varies per size of base or (width).
3. Cable trunking Reducer description.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.

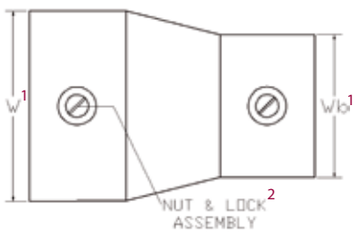
REDUCER TYPE 1 COVER



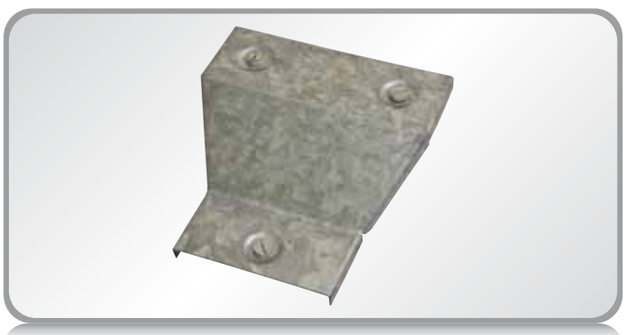
CODE: W/Wb-TKRRTP1CR- (T)

TOP

W: WIDTH
L: LENGTH
Wb: WIDTH (#2)
e: EDGE



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• DUTY & WEIGHT

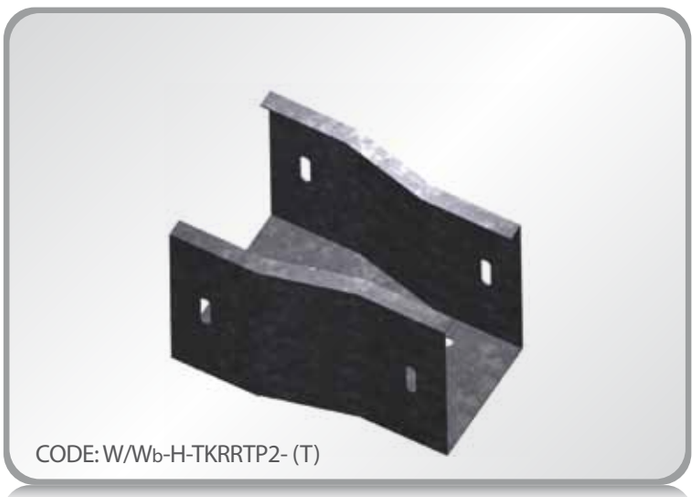
DUTY / THK (mm)		WEIGHT [6] Wt (KG)		
		T_1 0.6	T_2 1	T_3 1.2
W/Wb				
(Inch)[4]	(mm)[5]			
3/2	-	0.05	0.09	0.11
4/3	-	0.07	0.12	0.14
4/2	-	0.06	0.11	0.13
6/4	-	0.11	0.18	0.21
6/3	-	0.10	0.17	0.20
8/6	-	0.14	0.24	0.28
10/8	-	0.18	0.29	0.35
12/10	-	0.21	0.35	0.42

• TOTAL VARIATIONS: 24 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (8) standard variations of the width **W/Wb** (inside dimensions) (considering the outside width of the Reducer where **W** = Reducer Width + 2 x Reducer thickness + (allowance of 1 mm)).
2. For **W** = 2", 3", and 4", the fitted lock size ranges from 2" to 4". For **W** = 6" or more two 2" locks are fitted.
3. Length varies per size of base or (width).
4. 1 inch = 25 mm.
5. The actual inside dimensions depend on the choice of the Reducer, it is adjusted as per Reducer size and thickness.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

REDUCER TYPE 2

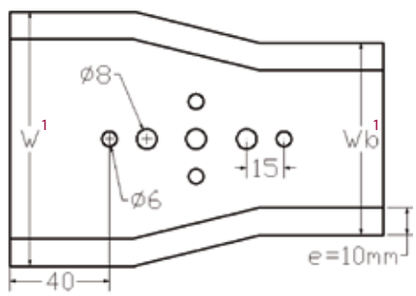


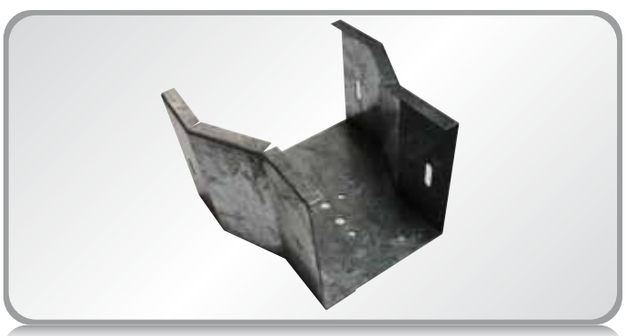
CODE: W/Wb-H-TKRRTP2- (T)

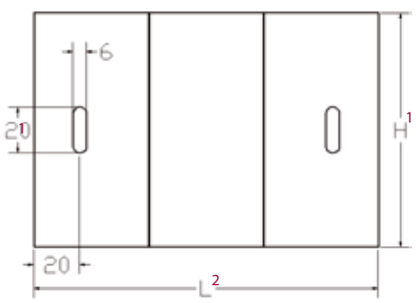
TOP

SIDE

H: HEIGHT
W: WIDTH
L: LENGTH
e: EDGE
Wb: WIDTH (#2)







(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 2mm	-

• APPLICATION

A cable trunking fitting which is suitable for joining cable trunking of different widths in the same plane.

• DUTY & WEIGHT

				WEIGHT [5] Wt (KG)					
DESCRIPTION/DIMENSIONS				DUTY / THK					
((W → Wb)/H) [3]				T1		T2		T3	
W/H		Wb/Hb							
(Inch) [4]	(mm)	(Inch)	(mm)	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
3/2	75/50	2/2	50/50	0.6	0.15	1	0.28	1.2	0.33
4/2	100/50	2/2	50/50	0.6	0.17	1	0.30	1.2	0.35
4/2	100/50	3/2	75/50	0.6	0.18	1	0.31	1.2	0.36
6/3	150/75	3/3	75/75	1	0.37	1.2	0.44	1.5	0.55
6/4	150/100	4/4	100/100	1	0.49	1.2	0.59	1.5	0.74

• TOTAL VARIATIONS: 15 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (5) standard variations (combination of **H/W** and **H/Wb**) (inside dimensions) as shown in the Duty & Weight Table.
2. Length varies per size of base or (width).
3. Cable trunking Reducer description.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.

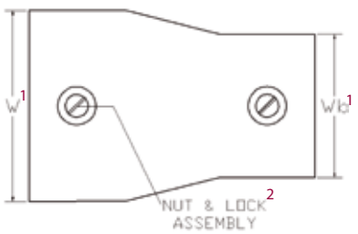
REDUCER TYPE 2 COVER

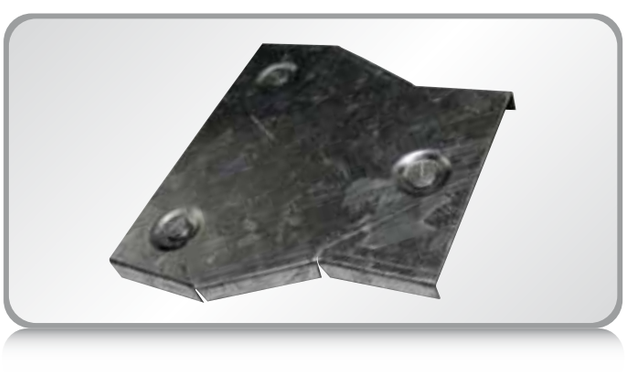
CODE: W/Wb-TKRRTP2CR- (T)

TOP

SIDE

W: WIDTH
L: LENGTH
Wb: WIDTH (#2)
e: EDGE





(Dimensions in mm)

SPECIFICATIONS & DETAILS:

- **MATERIAL**

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.5mm	-

- **APPLICATION**

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

- **DUTY & WEIGHT**

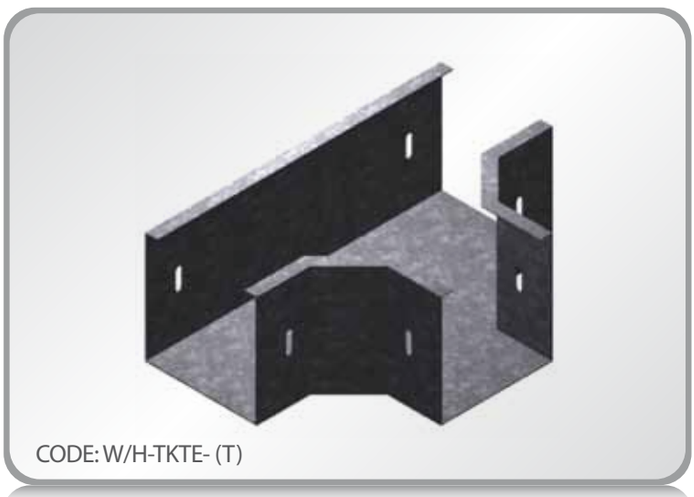
		WEIGHT [6] Wt (KG)		
DUTY / THK (mm)		T1 0.6	T2 1	T3 1.2
W/Wb				
(Inch)[4]	(mm)[5]			
3/2	-	0.05	0.09	0.11
4/3	-	0.07	0.12	0.14
4/2	-	0.06	0.11	0.13
6/4	-	0.11	0.18	0.21
6/3	-	0.10	0.17	0.20

- **TOTAL VARIATIONS:** 15 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (5) standard variations of the width **W/Wb** (inside dimensions) (considering the outside width of the Reducer where **W** = Reducer Width + 2 x Reducer thickness + (allowance of 1 mm)).
2. For **W** = 2", 3", and 4", the fitted lock size ranges from 2" to 4". For **W** = 6" or more two 2" locks are fitted.
3. Length varies per size of base or (width).
4. 1 inch = 25 mm.
5. The actual inside dimensions depend on the choice of the Reducer, it is adjusted as per Reducer size and thickness.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

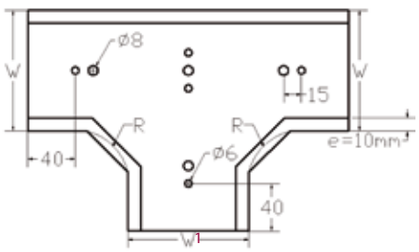
TEE



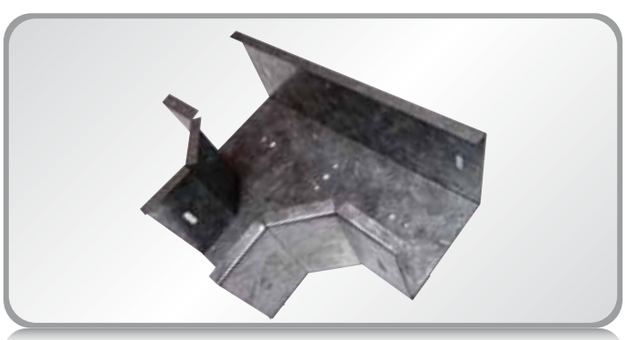
CODE: W/H-TKTE- (T)

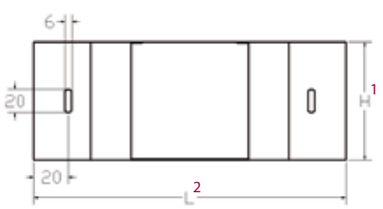
TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE



FRONT





(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 2mm	-

• APPLICATION

A cable trunking fitting which is suitable for joining cable trunking in three directions at 90° intervals in the same plane.

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[8]
(Inch)	(mm)	(mm)
2 ~ 6	50 ~ 150	75
8 ~ 12	200 ~ 300	150

• DUTY & WEIGHT

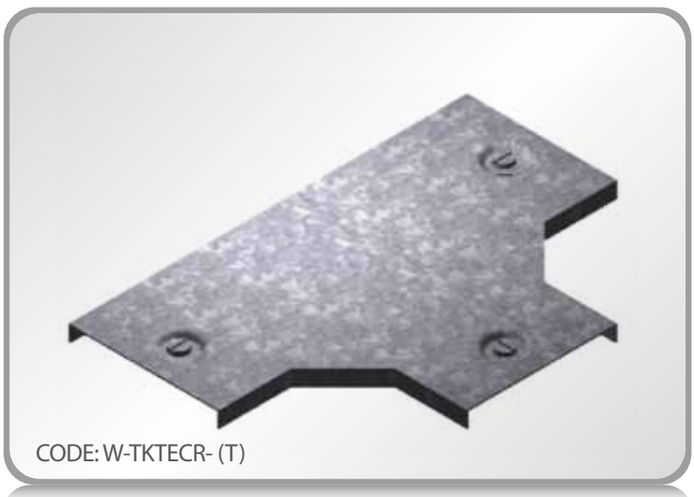
					WEIGHT [5] Wt (KG)					
DESCRIPTION	DIMENSIONS				DUTY / THK					
(W/H)[3]	W		H		T_1		T_2		T_3	
(mm)	(Inch)[4]	(mm)	(Inch)	(mm)	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
50/50	2	50	2	50	0.6	0.34	1	0.56	1.2	0.67
75/50	3	75	2	50	0.6	0.39	1	0.65	1.2	0.78
75/75	3	75	3	75	0.6	0.43	1	0.71	1.2	0.85
100/50	4	100	2	50	0.6	0.45	1	0.75	1.2	0.90
100/100	4	100	4	100	0.6	0.59	1	0.98	1.2	1.17
150/75	6	150	3	75	1	1.10	1.2	1.32	1.5	1.66
150/100	6	150	4	100	1	1.23	1.2	1.47	1.5	1.84
150/150	6	150	6	150	1	1.35	1.2	1.62	1.5	2.03
200/50	8	200	2	50	1	1.25	1.2	1.50	1.5	1.88
200/200	8	200	8	200	1	2.04	1.2	2.45	1.5	3.06
250/250	10	250	10	250	1.2	3.23	1.5	4.04	2	5.38
300/300	12	300	12	300	1.2	4.10	1.5	5.13	2	6.84

• TOTAL VARIATIONS: 36 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

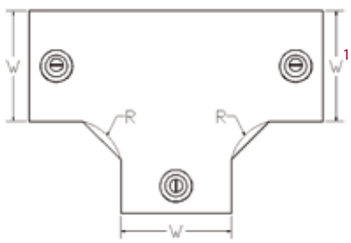
1. We offer (12) standard variations (combination of **W** and **H**) (inside dimensions) as shown in the Duty & Weight Table.
2. Length varies per size of base or (width).
3. Cable trunking Tee description.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.
6. Standard radius. Non-standard radii can be achieve as per order.

TEE COVER

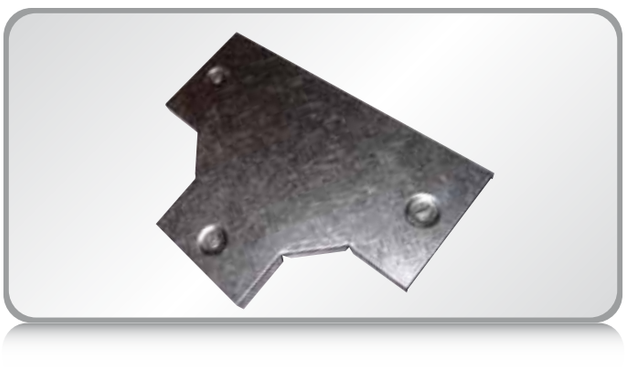


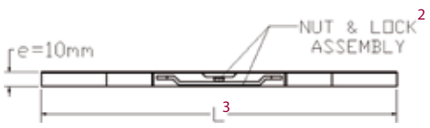
TOP

W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE



FRONT





(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[7]
(Inch)	(mm)	(mm)
2 ~ 6	50 ~ 150	75
8 ~ 12	200 ~ 300	150

• DUTY & WEIGHT

		WEIGHT [6] Wt (KG)		
DUTY / THK (mm)		T_1 0.6	T_2 1	T_3 1.2
W/W_b				
(Inch)[4]	(mm)[5]			
2	-	0.14	0.23	0.28
3	-	0.19	0.31	0.37
4	-	0.24	0.39	0.47
6	-	0.36	0.59	0.71
8	-	0.50	0.83	1.00
10	-	0.66	1.11	1.33
12	-	0.85	1.42	1.71

• TOTAL VARIATIONS: 21 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

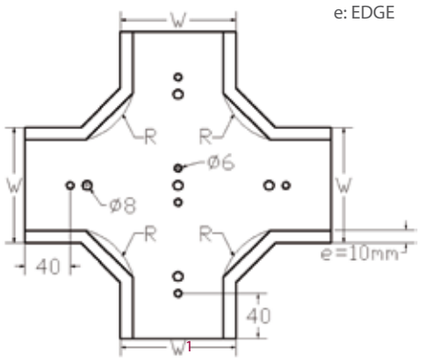
1. We offer (7) standard variations of the width **W** (inside dimensions) (considering the outside width of the Tee where **W** = Tee Width + 2 x Tee thickness + (allowance of 1 mm)).
2. For **W** = 2", 3", and 4", the fitted lock size ranges from 2" to 4". For **W** = 6" or more two 2" locks are fitted.
3. Length varies per size of base or (width).
4. 1 inch = 25 mm.
5. The actual inside dimensions depend on the choice of the Tee, it is adjusted as per Tee size and thickness.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.
7. Standard radius. Non-standard radii can be achieve as per order.

CROSS-OVER

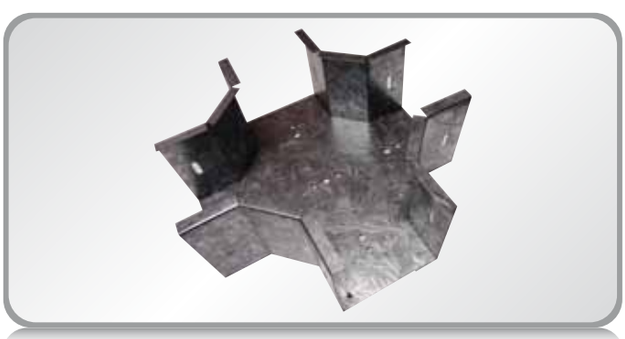
CODE: W/H-TKCSOV- (T)

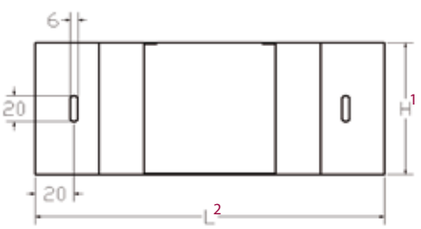
TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE



FRONT





(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 2mm	-

• APPLICATION

A cable trunking fitting which is suitable for joining cable trunking in four directions at 90° intervals in the same plane.

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[8]
(Inch)	(mm)	(mm)
2 ~ 6	50 ~ 150	75
8 ~ 12	200 ~ 300	150

• DUTY & WEIGHT

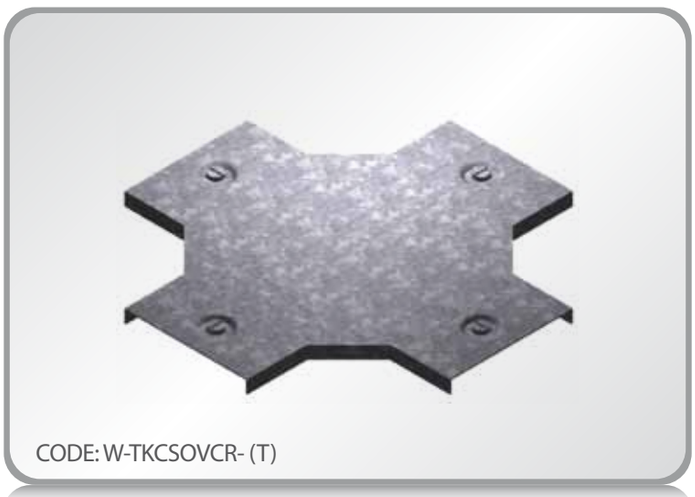
					WEIGHT [5] Wt (KG)					
DESCRIPTION	DIMENSIONS				DUTY / THK					
(W/H)[3]	W		H		T_1		T_2		T_3	
(mm)	(Inch)[4]	(mm)	(Inch)	(mm)	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
50/50	2	50	2	50	0.6	0.46	1	0.76	1.2	0.91
75/50	3	75	2	50	0.6	0.51	1	0.85	1.2	1.02
75/75	3	75	3	75	0.6	0.58	1	0.97	1.2	1.16
100/50	4	100	2	50	0.6	0.57	1	0.95	1.2	1.14
100/100	4	100	4	100	0.6	0.71	1	1.19	1.2	1.43
150/75	6	150	3	75	1	1.30	1.2	1.56	1.5	1.95
150/100	6	150	4	100	1	1.42	1.2	1.70	1.5	2.13
150/150	6	150	6	150	1	1.42	1.2	1.70	1.5	2.13
200/50	8	200	2	50	1	1.46	1.2	1.75	1.5	2.18
200/200	8	200	8	200	1	2.16	1.2	2.59	1.5	3.24
250/250	10	250	10	250	1.2	3.25	1.5	4.06	2	5.42
300/300	12	300	12	300	1.2	3.95	1.5	4.94	2	6.59

• TOTAL VARIATIONS: **36 nos.**

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (12) standard variations (combination of **W** and **H**) (inside dimensions) as shown in the Duty & Weight Table.
2. Length varies per size of base or (width).
3. Cable trunking Cross-over description.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.
6. Standard radius. Non-standard radii can be achieve as per order.

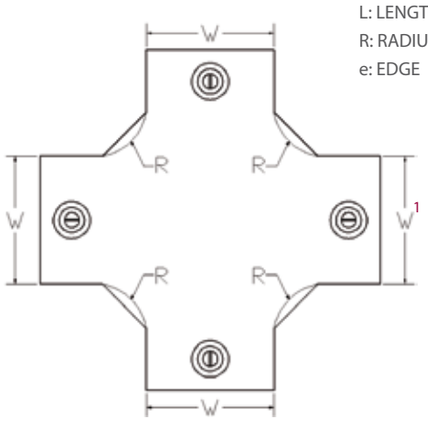
CROSS-OVER COVER



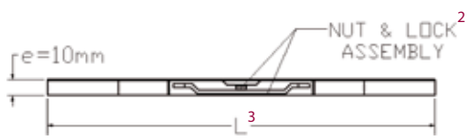
CODE: W-TKCSOVCR- (T)

TOP

W: WIDTH
L: LENGTH
R: RADIUS
e: EDGE



FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

Covers are installed to protect the cable runs from dust, dirt, and liquids etc.

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[7]
(Inch)	(mm)	(mm)
2 ~ 6	50 ~ 150	75
8 ~ 12	200 ~ 300	150

• DUTY & WEIGHT

		WEIGHT [6] Wt (KG)		
DUTY / THK (mm)		T_1 0.6	T_2 1	T_3 1.2
W/W_b				
(Inch)[4]	(mm)[5]			
2	-	0.23	0.38	0.46
3	-	0.28	0.47	0.57
4	-	0.35	0.58	0.69
6	-	0.48	0.81	0.97
8	-	0.65	1.08	1.29
10	-	0.83	1.39	1.67
12	-	1.04	1.74	2.09

• TOTAL VARIATIONS: 21 nos.

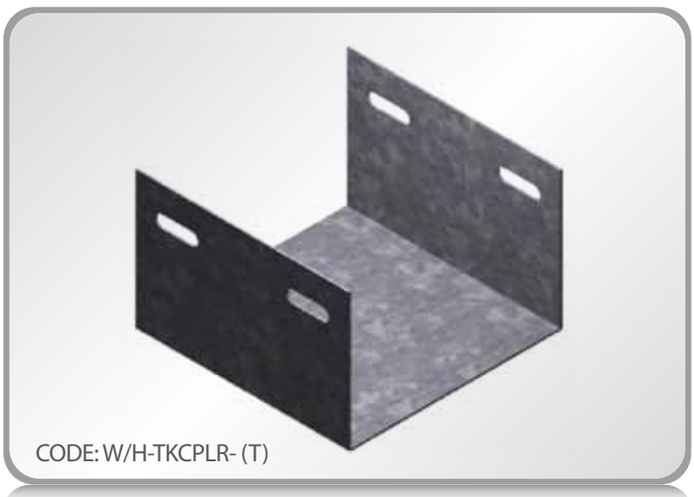
THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (7) standard variations of the width **W** (inside dimensions) (considering the outside width of the Cross-over where **W** = Cross-over Width + 2 x Cross-over thickness + (allowance of 1 mm)).
2. For **W** = 2", 3", and 4", the fitted lock size ranges from 2" to 4". For **W** = 6" or more two 2" locks are fitted.
3. Length varies per size of base or (width).
4. 1 inch = 25 mm.
5. The actual inside dimensions depend on the choice of the Cross-over, it is adjusted as per Cross-over size and thickness.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.
7. Standard radius. Non-standard radii can be achieve as per order.

Notes

ACCESSORIES

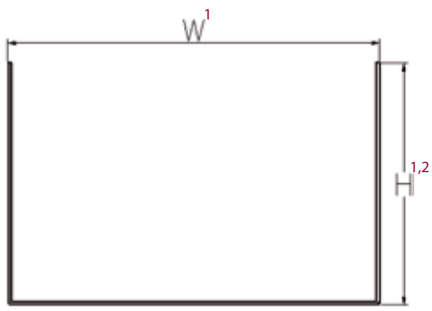
COUPLER



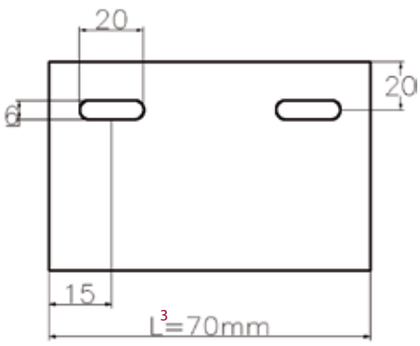
CODE: W/H-TKCPLR- (T)

FRONT

H: HEIGHT
W: WIDTH
L: LENGTH



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

A cable trunking accessory which connects two cable trunking or fittings in the same plane.

• DUTY & WEIGHT

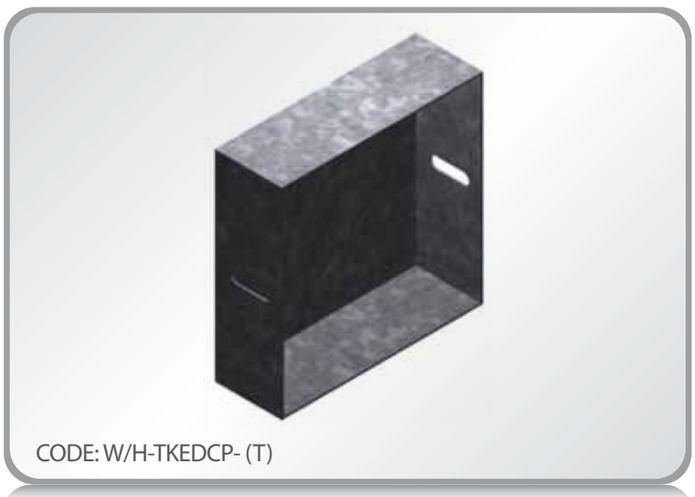
					WEIGHT [7] Wt (KG)					
DESCRIPTION	DIMENSIONS				DUTY / THK					
(W/H)[4]	W		H		T1		T2		T3	
(mm)	(Inch)[5]	(mm)	(Inch)	(mm)[6]	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
50/50	2	49	1.8	26.8	0.6	0.03	1	0.05	1.2	0.06
75/50	3	74	1.8	26.8	0.6	0.04	1	0.06	1.2	0.08
75/75	3	74	2.3	57.5	0.6	0.04	1	0.07	1.2	0.09
100/50	4	99	1.8	26.8	0.6	0.05	1	0.08	1.2	0.09
100/100	4	99	2.8	70	0.6	0.06	1	0.09	1.2	0.11
150/75	6	149	2.3	57.5	0.6	0.07	1	0.11	1.2	0.13
150/100	6	149	2.8	70	0.6	0.07	1	0.12	1.2	0.14
150/150	6	149	3.8	95	0.6	0.08	1	0.13	1.2	0.16
200/50	8	199	1.8	26.8	0.6	0.08	1	0.13	1.2	0.16
200/200	8	199	4.8	120	0.6	0.11	1	0.17	1.2	0.21
250/250	10	249	5.8	145	0.6	0.13	1	0.22	1.2	0.26
300/300	12	299	6.8	170	0.6	0.15	1	0.26	1.2	0.31

• TOTAL VARIATIONS: 36 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (12) standard variations (combination of **W** and **H**) (considering the inside dimensions of cable trunking) as shown in the Duty & Weight Table.
2. Height of Coupler = (Height of trunking/2) + 20 mm. (where 20 mm is the value from the center of obround punch up to the coupler edge).
3. Length is fixed for all sizes.
4. Cable trunking description used as reference to give appropriate cable trunking coupler dimensions.
5. 1 inch = 25 mm.
6. The coupler is inserted in the cable trunking or fitting with an allowance of 1 mm.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%.

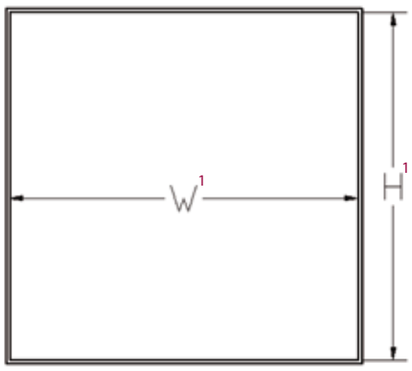
END CAP



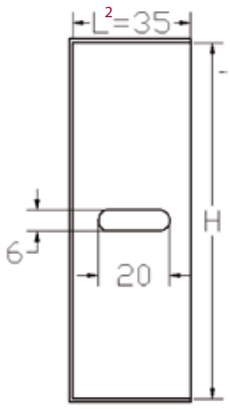
CODE: W/H-TKEDCP- (T)

FRONT

H: HEIGHT
W: WIDTH
L: LENGTH



SIDE



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	0.6mm ~ 1.2mm	-

• APPLICATION

A cable trunking accessory which covers the end portion of the cable trunking.

• DUTY & WEIGHT

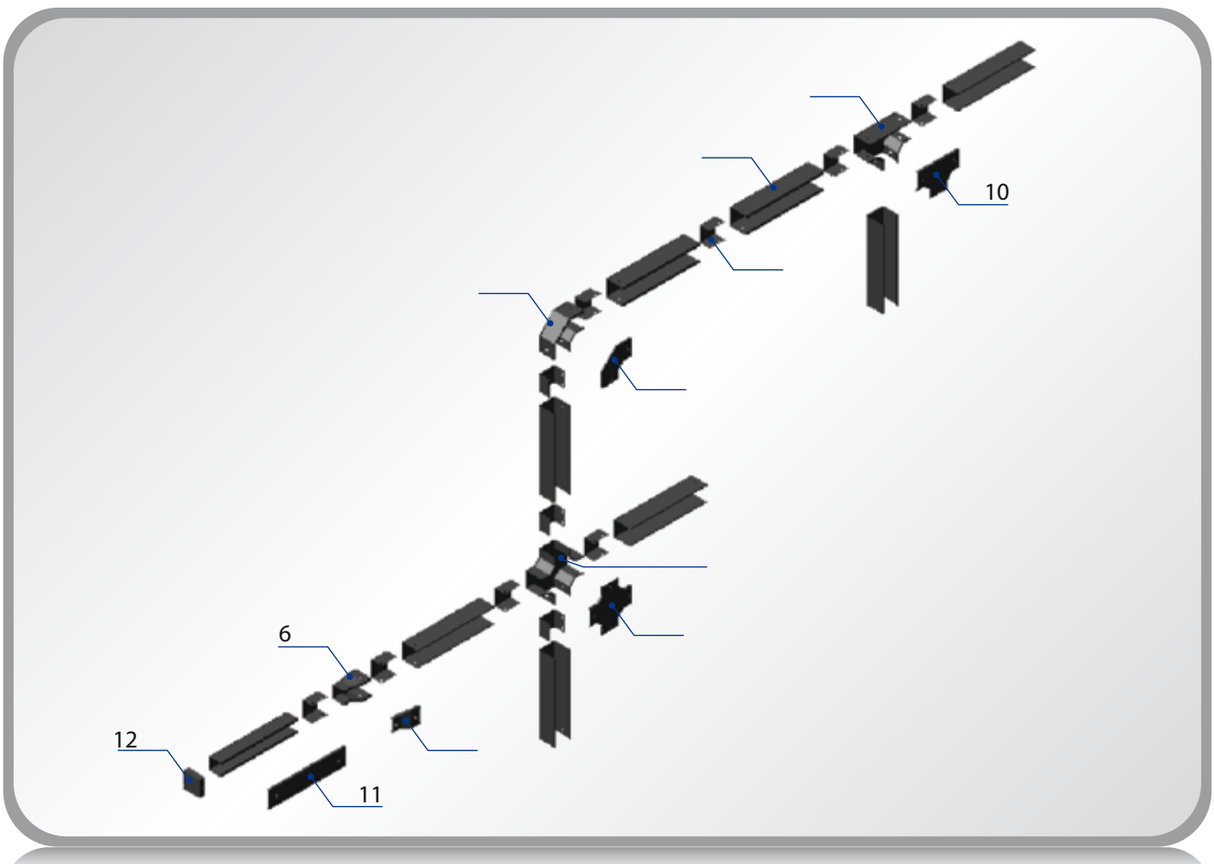
					WEIGHT [6] Wt (KG)					
DESCRIPTION	DIMENSIONS				DUTY / THK					
(W/H)[3]	W		H		T1		T2		T3	
(mm)	(Inch)[4]	(mm)[5]	(Inch)	(mm)[5]	(mm)	(Kg)	(mm)	(Kg)	(mm)	(Kg)
50/50	2	51	2	51	0.6	0.07	1	0.12	1.2	0.14
75/50	3	76	2	76	0.6	0.08	1	0.14	1.2	0.17
75/75	3	76	3	76	0.6	0.10	1	0.17	1.2	0.20
100/50	4	101	2	101	0.6	0.10	1	0.16	1.2	0.20
100/100	4	101	4	101	0.6	0.14	1	0.23	1.2	0.28
150/75	6	151	3	151	0.6	0.15	1	0.26	1.2	0.31
150/100	6	151	4	151	0.6	0.18	1	0.30	1.2	0.36
150/150	6	151	6	151	0.6	0.23	1	0.39	1.2	0.47
200/50	8	201	2	201	0.6	0.15	1	0.26	1.2	0.31
200/200	8	201	8	201	0.6	0.35	1	0.58	1.2	0.70
250/250	10	251	10	251	0.6	0.49	1	0.81	1.2	0.98
300/300	12	301	12	301	0.6	0.65	1	1.09	1.2	1.31

• TOTAL VARIATIONS: 36 nos.

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

1. We offer (12) standard variations (combination of **W** and **H**) (considering the outside dimensions of cable trunking) as shown in the Duty & Weight Table.
2. Length is fixed for all sizes.
3. Cable trunking description used as reference to give appropriate end cap dimensions.
4. 1 inch = 25 mm.
5. The cable trunking is inserted to end cap with an allowance of 1 mm (outside dimension of cable trunking (W or H) + 1 mm).
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

CABLE TRUNKING INSTALLATION GUIDE

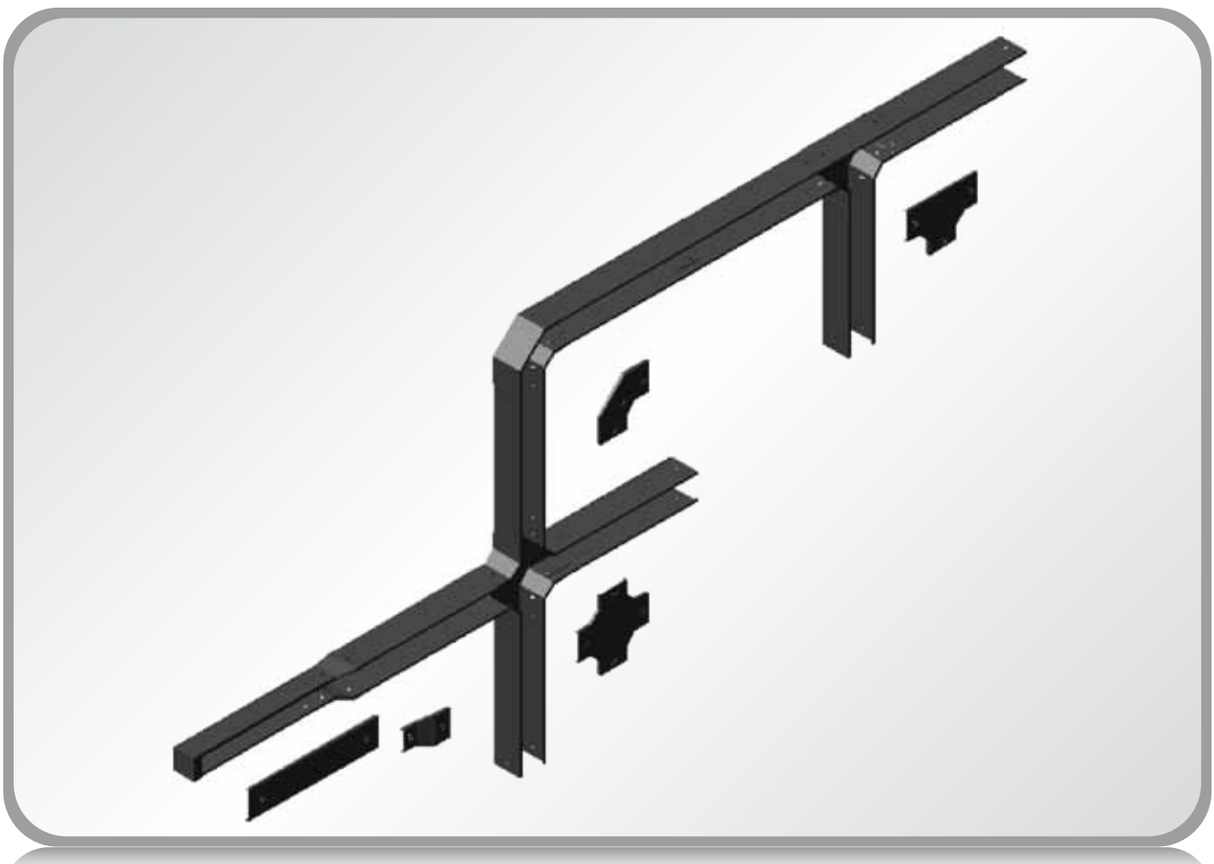


PARTS & DESCRIPTION

PART	DESCRIPTION
1	CABLE TRUNKING
2	COUPLER
3	ELBOW
4	TEE
5	CROSS-OVER
6	REDUCER
7	REDUCER COVER
8	CROSS-OVER COVER
9	ELBOW COVER
10	TEE COVER
11	CABLE TRUNKING COVER
12	END CAP

- **NOTE**
  A set of screws are used when joining cable trunking into its accessories.

CABLE TRUNKING TYPICAL LAYOUT

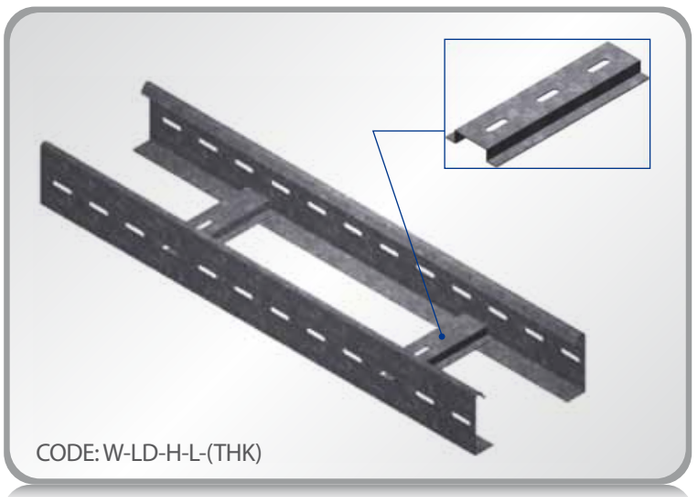


qatar technical
steel fabrication & industrial refrigeration

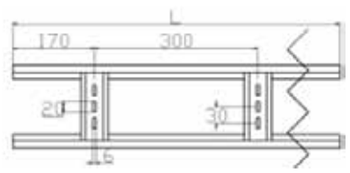
Notes

CABLE LADDER

CABLE LADDER

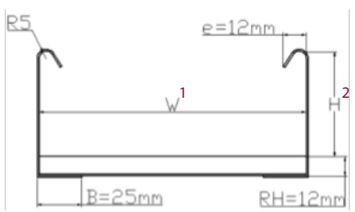


TOP



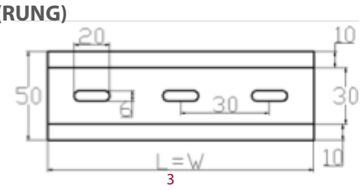
H: HEIGHT
W: WIDTH
L: LENGTH
e: EDGE
B: BASE
RH: RUNG HEIGHT

FRONT



SIDE

TOP (RUNG)



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	4 ~ 10	100 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

Cable ladder is used as a cable support for industrial and building constructions.

• TOTAL VARIATIONS: 180 nos.

• WEIGHT

				WEIGHT 5 Wt (Kg)								
	H (mm)			50			75			100		
	Duty/THK (mm)			T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)	L (mm)									
Group A	4	100	2440	4.04	4.84	6.05	4.99	5.99	7.49	5.95	7.14	8.93
	5	125	2440	4.12	4.94	6.17	5.07	6.09	7.61	6.03	7.24	9.05
	6	150	2440	4.20	5.04	6.29	5.15	6.18	7.73	6.11	7.33	9.17
	7	175	2440	4.28	5.13	6.41	5.23	6.28	7.85	6.19	7.43	9.29
	8	200	2440	5.23	6.53	8.71	6.38	7.97	10.63	7.53	9.41	12.54
	9	225	2440	5.32	6.65	8.87	6.47	8.09	10.79	7.62	9.53	12.70
	10	250	2440	5.42	6.77	9.03	6.57	8.21	10.95	7.72	9.65	12.86
				T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	300	2440	5.61	7.02	9.35	6.76	8.45	11.27	7.91	9.89	13.18
	14	350	2440	5.80	7.26	9.67	6.95	8.69	11.59	8.10	10.13	13.50
	16	400	2440	6.00	7.50	9.99	7.15	8.93	11.91	8.29	10.37	13.82
	18	450	2440	6.19	7.74	10.31	7.34	9.17	12.23	8.49	10.61	14.15
	20	500	2440	6.38	7.98	10.63	7.53	9.41	12.55	8.68	10.85	14.47
	22	550	2440	6.57	8.22	10.95	7.72	9.65	12.87	8.87	11.09	14.79
	24	600	2440	6.77	8.46	11.28	7.91	9.89	13.19	9.06	11.33	15.11
	26	650	2440	8.70	11.60	17.39	10.13	13.51	20.27	11.57	15.43	23.14
				T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	28	700	2440	8.94	11.92	17.87	10.37	13.83	20.75	11.81	15.75	23.62
	30	750	2440	9.18	12.24	18.35	10.61	14.15	21.23	12.05	16.07	24.10
	32	800	2440	9.42	12.56	18.83	10.85	14.47	21.71	12.29	16.39	24.58
	34	850	2440	9.66	12.88	19.31	11.09	14.79	22.19	12.53	16.71	25.06
	36	900	2440	9.90	13.20	19.80	11.33	15.11	22.67	12.77	17.03	25.54

1. We offer (20) standard variations of the width **W** (inside dimensions) as shown in the Weight Table.
2. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm.
3. We are using the standard length of 2440 mm.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72% (average for 3 different percentage errors based on 3 duties for the same size **W**) .

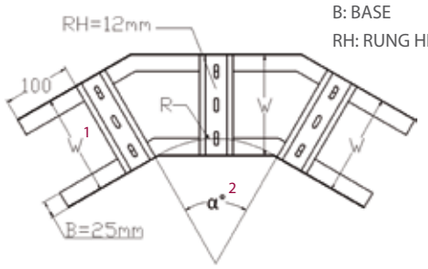
FITTINGS

ELBOW

CODE: W-LDEL-H-α°-(T)

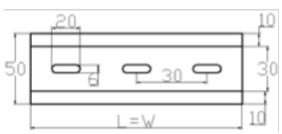
TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
α: ANGLE
B: BASE
RH: RUNG HEIGHT



FRONT

TOP (RUNG)



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	4 ~ 10	100 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

A cable ladder fitting which changes the direction in the same plane.

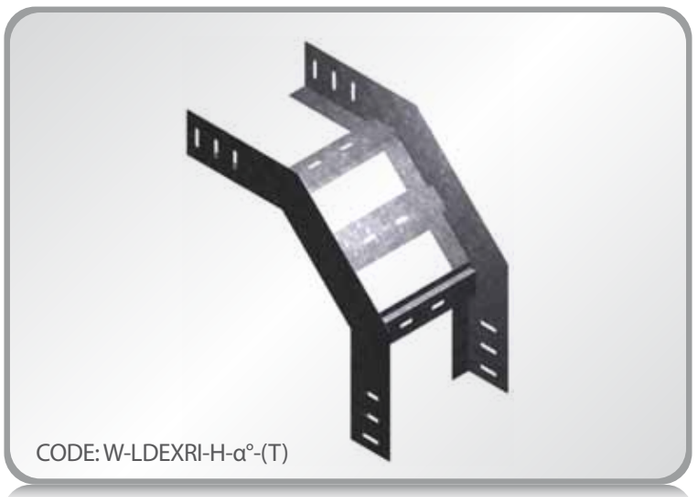
• TOTAL VARIATIONS: 720 nos.

• WEIGHT

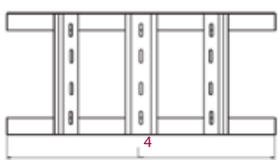
			WEIGHT 7 Wt (Kg)								
	H (mm)		50			75			100		
	Duty/THK (mm)		T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W										
	(Inch)	(mm)									
Group A	4	-	0.74	0.89	1.11	0.89	1.07	1.34	1.04	1.25	1.57
	5	-	0.81	0.98	1.22	0.97	1.17	1.46	1.13	1.36	1.70
	6	-	0.89	1.06	1.33	1.05	1.26	1.58	1.22	1.46	1.83
	7	-	0.96	1.15	1.44	1.13	1.36	1.70	1.31	1.57	1.96
	8	-	1.24	1.54	2.06	1.45	1.82	2.42	1.67	2.09	2.79
	9	-	1.32	1.65	2.20	1.55	1.94	2.58	1.78	2.22	2.97
	10	-	1.41	1.76	2.35	1.65	2.06	2.74	1.88	2.36	3.14
			T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	-	1.54	1.93	2.57	1.79	2.24	2.98	2.04	2.55	3.40
	14	-	1.68	2.09	2.79	1.93	2.42	3.22	2.19	2.74	3.65
	16	-	1.81	2.26	3.02	2.08	2.60	3.46	2.35	2.93	3.91
	18	-	1.94	2.43	3.24	2.22	2.78	3.70	2.50	3.12	4.16
	20	-	2.08	2.60	3.46	2.36	2.96	3.94	2.65	3.32	4.42
	22	-	2.21	2.76	3.68	2.51	3.14	4.18	2.81	3.51	4.68
	24	-	2.34	2.93	3.91	2.65	3.31	4.42	2.96	3.70	4.93
	26	-	3.10	4.13	6.20	3.49	4.66	6.99	3.89	5.19	7.78
			T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	28	-	3.27	4.35	6.53	3.67	4.90	7.35	4.08	5.44	8.16
	30	-	3.43	4.58	6.87	3.85	5.14	7.71	4.27	5.70	8.55
	32	-	3.60	4.80	7.20	4.03	5.38	8.07	4.47	5.95	8.93
	34	-	3.77	5.02	7.54	4.21	5.62	8.43	4.66	6.21	9.32
	36	-	3.94	5.25	7.87	4.39	5.86	8.79	4.85	6.47	9.70

1. We offer (20) standard variations of **W** (considering the outside width dimensions of the cable ladder with an allowance of 2 mm) as shown in the Weight Table.
2. **α°** = 30°, 45°, 60° or 90°.
3. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm with an allowance of 1 mm.
4. Length **L** varies with **W**.
5. 1 inch = 25 mm.
6. Standard radius. Non-standard radii can be achieve as per order.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.

EXTERNAL RISER

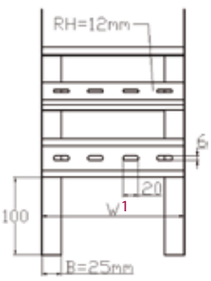


TOP

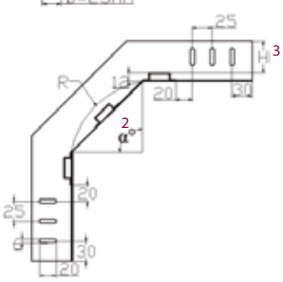


H: HEIGHT
W: WIDTH
L: LENGTH
R:RADIUS
α: ANGLE
B: BASE
RH: RUNG HEIGHT

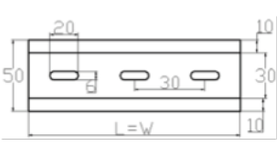
FRONT



SIDE



TOP



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	4 ~ 10	100 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

An outside vertical elbow that changes direction downwards from the horizontal plane.

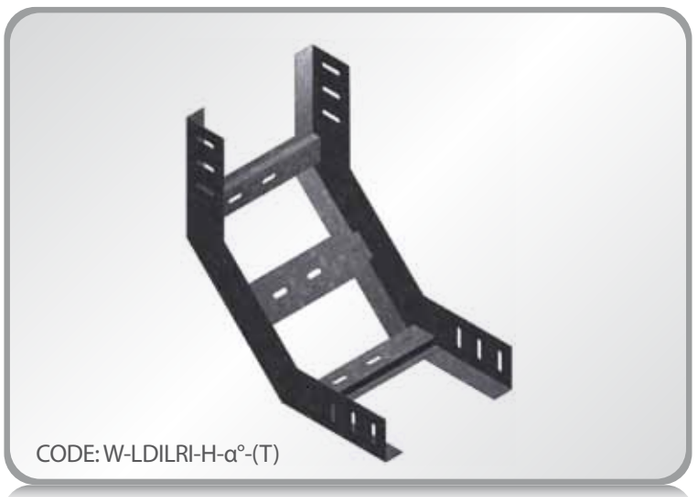
• TOTAL VARIATIONS: 720 nos.

• WEIGHT

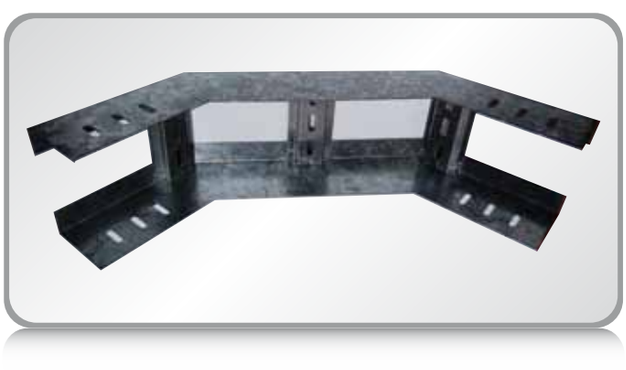
			WEIGHT 7 Wt (Kg)								
	H (mm)		50			75			100		
	Duty/THK (mm)		T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)									
Group A	4	-	0.69	0.83	1.03	0.90	1.08	1.35	1.25	1.50	1.87
	5	-	0.73	0.87	1.09	0.94	1.13	1.41	1.29	1.54	1.93
	6	-	0.77	0.92	1.15	0.98	1.18	1.47	1.33	1.59	1.99
	7	-	0.81	0.97	1.21	1.02	1.23	1.53	1.37	1.64	2.05
	8	-	1.02	1.27	1.70	1.28	1.59	2.13	1.69	2.11	2.81
	9	-	1.07	1.33	1.78	1.32	1.65	2.21	1.74	2.17	2.89
	10	-	1.11	1.39	1.86	1.37	1.71	2.29	1.78	2.23	2.97
			T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	-	1.21	1.51	2.02	1.47	1.83	2.45	1.88	2.35	3.13
	14	-	1.31	1.63	2.18	1.56	1.95	2.61	1.98	2.47	3.29
	16	-	1.40	1.75	2.34	1.66	2.08	2.77	2.07	2.59	3.45
	18	-	1.50	1.87	2.50	1.76	2.20	2.93	2.17	2.71	3.61
	20	-	1.59	1.99	2.66	1.85	2.32	3.09	2.26	2.83	3.77
	22	-	1.69	2.11	2.82	1.95	2.44	3.25	2.36	2.95	3.93
	24	-	1.79	2.23	2.98	2.04	2.56	3.41	2.46	3.07	4.09
	26	-	2.35	3.14	4.71	2.68	3.57	5.35	3.19	4.25	6.38
			T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	28	-	2.47	3.30	4.95	2.80	3.73	5.59	3.31	4.41	6.62
	30	-	2.59	3.46	5.19	2.92	3.89	5.83	3.43	4.57	6.86
	32	-	2.71	3.62	5.43	3.04	4.05	6.07	3.55	4.73	7.10
	34	-	2.83	3.78	5.67	3.16	4.21	6.31	3.67	4.89	7.34
	36	-	2.95	3.94	5.91	3.28	4.37	6.55	3.79	5.05	7.58

1. We offer (20) standard variations of **W** (considering the outside width dimensions of the cable ladder with an allowance of 2 mm) as shown in the Weight Table.
2. **α°** = 30°, 45°, 60° or 90° .
3. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm with an allowance of 1 mm.
4. Length **L** varies with **W**.
5. 1 inch = 25 mm.
6. Standard radius. Non-standard radii can be achieve as per order but R is equal to 0 is not applicable.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.

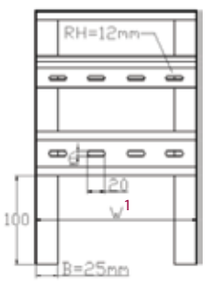
INTERNAL RISER



CODE: W-LDILRI-H-α°-(T)

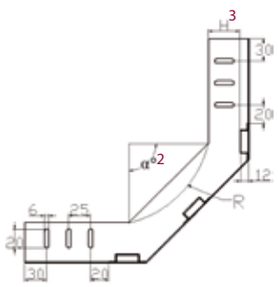


FRONT

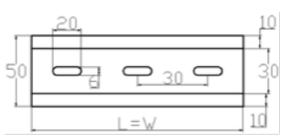


TOP

SIDE



TOP



H: HEIGHT
W: WIDTH
L: LENGTH
R:RADIUS
α: ANGLE
B: BASE
RH: RUNG HEIGHT

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[5]	(mm)	T1	T2	T3
A	4 ~ 10	100 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[6]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

An outside vertical elbow that changes direction upwards from the horizontal plane.

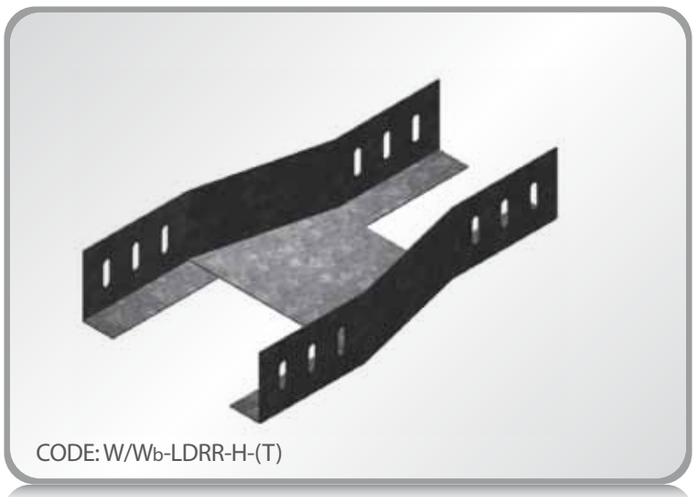
• TOTAL VARIATIONS: 720 nos.

• WEIGHT

			WEIGHT 7 Wt (Kg)								
	H (mm)		50			75			100		
	Duty/THK (mm)		T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W										
	(Inch)	(mm)									
Group A	4	-	0.69	0.83	1.03	0.90	1.08	1.35	1.25	1.50	1.87
	5	-	0.73	0.87	1.09	0.94	1.13	1.41	1.29	1.54	1.93
	6	-	0.77	0.92	1.15	0.98	1.18	1.47	1.33	1.59	1.99
	7	-	0.81	0.97	1.21	1.02	1.23	1.53	1.37	1.64	2.05
	8	-	1.02	1.27	1.70	1.28	1.59	2.13	1.69	2.11	2.81
	9	-	1.07	1.33	1.78	1.32	1.65	2.21	1.74	2.17	2.89
	10	-	1.11	1.39	1.86	1.37	1.71	2.29	1.78	2.23	2.97
			T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	-	1.21	1.51	2.02	1.47	1.83	2.45	1.88	2.35	3.13
	14	-	1.31	1.63	2.18	1.56	1.95	2.61	1.98	2.47	3.29
	16	-	1.40	1.75	2.34	1.66	2.08	2.77	2.07	2.59	3.45
	18	-	1.50	1.87	2.50	1.76	2.20	2.93	2.17	2.71	3.61
	20	-	1.59	1.99	2.66	1.85	2.32	3.09	2.26	2.83	3.77
	22	-	1.69	2.11	2.82	1.95	2.44	3.25	2.36	2.95	3.93
	24	-	1.79	2.23	2.98	2.04	2.56	3.41	2.46	3.07	4.09
			T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	26	-	2.35	3.14	4.71	2.68	3.57	5.35	3.19	4.25	6.38
	28	-	2.47	3.30	4.95	2.80	3.73	5.59	3.31	4.41	6.62
	30	-	2.59	3.46	5.19	2.92	3.89	5.83	3.43	4.57	6.86
	32	-	2.71	3.62	5.43	3.04	4.05	6.07	3.55	4.73	7.10
	34	-	2.83	3.78	5.67	3.16	4.21	6.31	3.67	4.89	7.34
	36	-	2.95	3.94	5.91	3.28	4.37	6.55	3.79	5.05	7.58

1. We offer (20) standard variations of **W** (considering the outside width dimensions of the cable ladder with an allowance of 2 mm) as shown in the Weight Table.
2. **α°** = 30°, 45°, 60° or 90° .
3. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm with an allowance of 1 mm.
4. Length **L** varies with **W**.
5. 1 inch = 25 mm.
6. Standard radius. Non-standard radii can be achieve as per order but R is equal to 0 is not applicable.
7. All weights in the table are calculated with an approximate average error percentage of 1.72%. The values (Kg) (as shown in the table) are the weights for an angle α=90°.

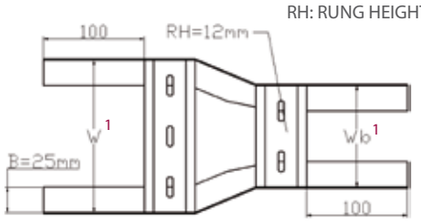
REDUCER



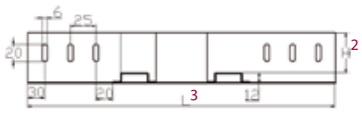
CODE: W/Wb-LDRR-H-(T)

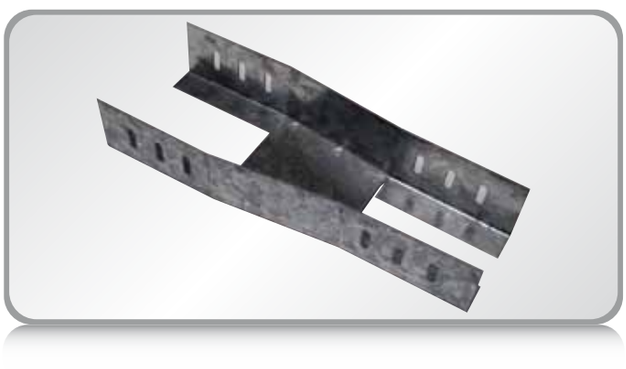
TOP

H: HEIGHT
W: WIDTH
L: LENGTH
Wb: WIDTH (#2)
B: BASE
RH: RUNG HEIGHT

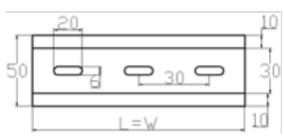


SIDE





TOP



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W/Wb)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	4 ~ 10	75 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• APPLICATION

A cable ladder fitting which is suitable for joining cable ladders of different widths in the same plane.

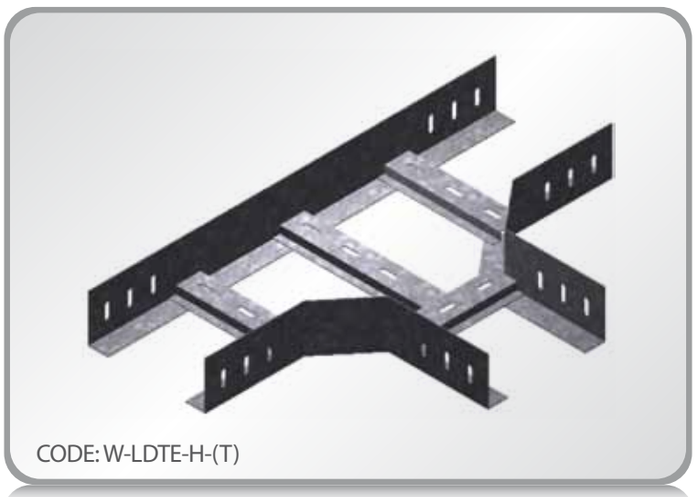
• TOTAL VARIATIONS: 171 nos.

• WEIGHT

					WEIGHT 5 Wt (Kg)								
	H (mm)				50			75			100		
	Duty/THK (mm)				T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)	L (Inch)	L (mm)									
Group A	5	-	4	-	0.52	0.63	0.79	0.64	0.77	0.96	0.76	0.91	1.14
	6	-	5	-	0.54	0.65	0.81	0.66	0.79	0.98	0.77	0.93	1.16
	7	-	6	-	0.55	0.66	0.83	0.67	0.80	1.00	0.79	0.95	1.18
	8	-	7	-	0.68	0.85	1.13	0.82	1.02	1.37	0.96	1.20	1.60
	9	-	8	-	0.69	0.87	1.16	0.84	1.04	1.39	0.98	1.22	1.63
	10	-	9	-	0.71	0.89	1.18	0.85	1.06	1.42	0.99	1.24	1.66
					T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	-	10	-	0.74	0.93	1.24	0.88	1.10	1.47	1.03	1.28	1.71
	14	-	12	-	0.77	0.97	1.29	0.92	1.14	1.53	1.06	1.32	1.76
	16	-	14	-	0.81	1.01	1.34	0.95	1.18	1.58	1.09	1.36	1.82
	18	-	16	-	0.84	1.05	1.40	0.98	1.22	1.63	1.12	1.40	1.87
	20	-	18	-	0.87	1.09	1.45	1.01	1.26	1.69	1.15	1.44	1.92
	22	-	20	-	0.90	1.13	1.50	1.04	1.30	1.74	1.19	1.48	1.98
	24	-	22	-	0.93	1.17	1.56	1.08	1.34	1.79	1.22	1.52	2.03
	26	-	24	-	1.21	1.61	2.42	1.38	1.85	2.77	1.56	2.08	3.12
					T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	28	-	26	-	1.25	1.66	2.50	1.42	1.90	2.85	1.60	2.14	3.20
	30	-	28	-	1.29	1.72	2.58	1.46	1.95	2.93	1.64	2.19	3.28
	32	-	30	-	1.33	1.77	2.66	1.50	2.01	3.01	1.68	2.24	3.36
	34	-	32	-	1.37	1.82	2.74	1.54	2.06	3.09	1.72	2.30	3.44
	36	-	34	-	1.41	1.88	2.82	1.58	2.11	3.17	1.76	2.35	3.52

1. We offer (19) standard variations of **W** (considering the outside width dimensions of the cable ladder with an allowance of 2 mm) as shown in the Weight Table.
2. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm with an allowance o 1 mm.
3. Length **L** varies with **W**.
4. 1 inch = 25 mm.
5. All weights in the table are calculated with an approximate average error percentage of 1.72%.

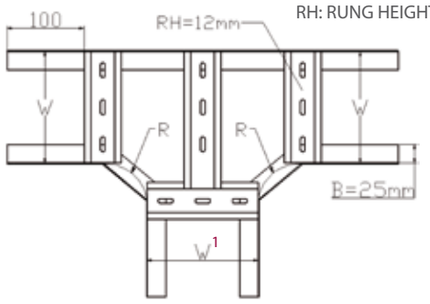
TEE



CODE: W-LDTE-H-(T)

TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
B: BASE
RH: RUNG HEIGHT



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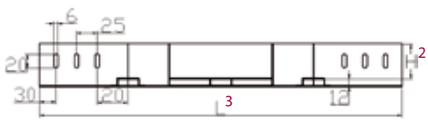

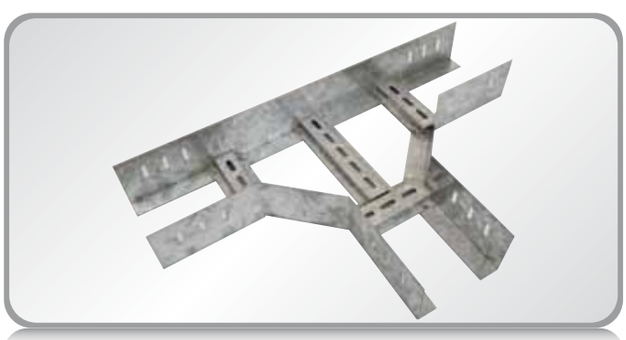

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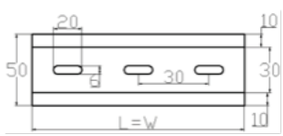


(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	4 ~ 10	100 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[5]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

A cable ladder fitting which is suitable for joining cable ladders in **three** directions at 90° intervals in the same plane.

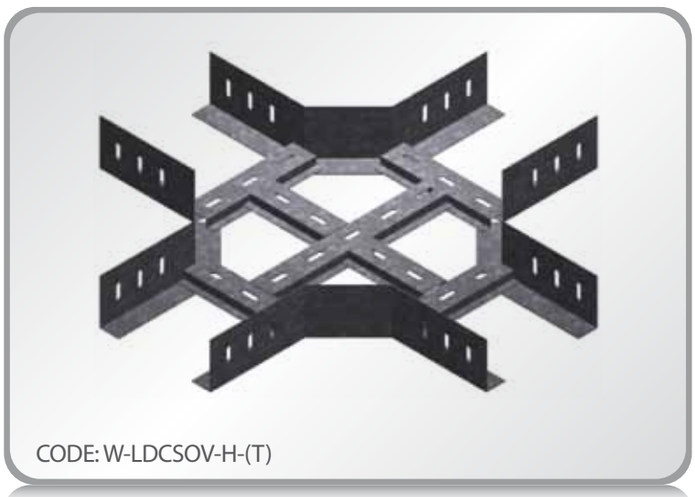
• TOTAL VARIATIONS: 180 nos.

• WEIGHT

			WEIGHT[6] Wt (Kg)								
	H (mm)		50			75			100		
	Duty/THK (mm)		T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W										
	(Inch)	(mm)									
Group A	4	-	0.90	1.08	1.11	1.08	1.29	1.37	1.25	1.50	1.64
	5	-	0.97	1.17	1.16	1.15	1.38	1.43	1.33	1.60	1.70
	6	-	1.04	1.25	1.21	1.23	1.48	1.48	1.42	1.70	1.76
	7	-	1.12	1.34	1.25	1.31	1.57	1.54	1.50	1.80	1.83
	8	-	1.43	1.78	1.74	1.66	2.08	2.13	1.90	2.37	2.52
	9	-	1.51	1.89	1.80	1.75	2.19	2.20	2.00	2.49	2.61
	10	-	1.60	2.00	1.87	1.85	2.31	2.28	2.09	2.62	2.69
			T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	-	1.77	2.22	2.00	2.03	2.54	2.43	2.29	2.86	2.86
	14	-	1.95	2.43	2.12	2.22	2.77	2.58	2.49	3.11	3.03
	16	-	2.12	2.65	2.25	2.40	3.00	2.73	2.69	3.36	3.20
	18	-	2.30	2.87	2.38	2.59	3.24	2.87	2.88	3.60	3.37
	20	-	2.47	3.09	2.51	2.78	3.47	3.02	3.08	3.85	3.53
	22	-	2.64	3.30	2.64	2.96	3.70	3.17	3.28	4.10	3.70
	24	-	2.82	3.52	2.77	3.15	3.93	3.32	3.48	4.34	3.87
	26	-	3.74	4.98	4.35	4.16	5.55	5.21	4.59	6.12	6.06
			T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	28	-	3.96	5.27	4.55	4.40	5.86	5.43	4.84	6.45	6.31
	30	-	4.17	5.56	4.74	4.63	6.17	5.65	5.09	6.78	6.57
	32	-	4.39	5.85	4.94	4.86	6.48	5.88	5.33	7.11	6.82
	34	-	4.61	6.14	5.13	5.09	6.79	6.10	5.58	7.44	7.07
	36	-	4.82	6.43	5.32	5.32	7.10	6.33	5.83	7.77	7.33

1. We offer (20) standard variations of **W** (considering the outside width dimensions of the cable ladder with an allowance of 2 mm) as shown in the Weight Table.
2. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm with an allowance of 1 mm.
3. Length **L** varies with **W**.
4. 1 inch = 25 mm.
5. Standard radius. Non-standard radii can be achieve as per order.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

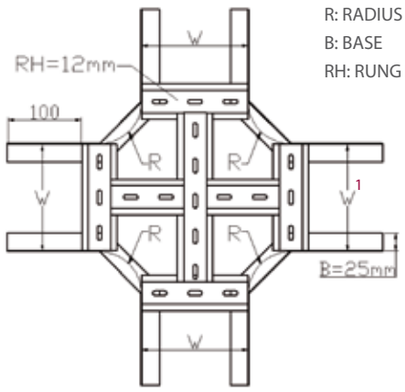
CROSS-OVER



CODE: W-LDCSOV-H-(T)

TOP

H: HEIGHT
W: WIDTH
L: LENGTH
R: RADIUS
B: BASE
RH: RUNG HEIGHT



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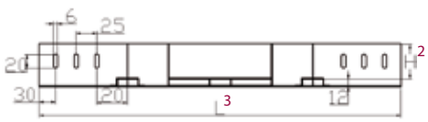

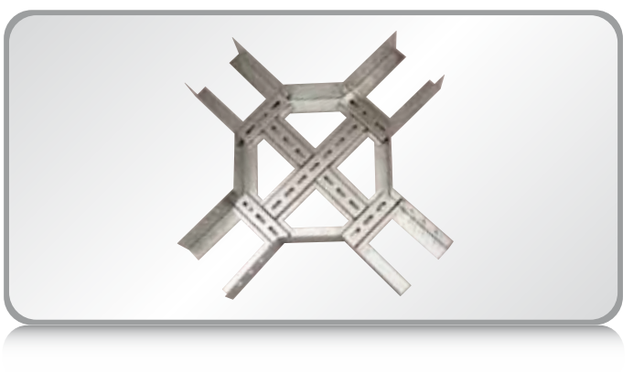

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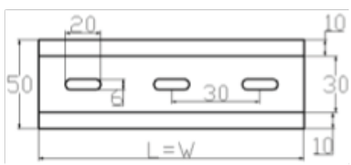


(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• DUTY

GROUP	WIDTH (W)		THICKNESS (THK) (mm)		
	(Inch)[4]	(mm)	T1	T2	T3
A	4 ~ 10	100 ~ 250	1	1.2	1.5
B	12 ~ 26	300 ~ 650	1.2	1.5	2
C	28 ~ 36	700 ~ 900	1.5	2	3

THICKNESS (THK): T1: LIGHT DUTY T2: MEDIUM DUTY T3: HEAVY DUTY

• MATERIAL

TYPE	THICKNESS	FINISH
Galvanized Iron	1mm ~ 3mm	-

• RADIUS INSERT

WIDTH (W)		RADIUS (R)[5]
(Inch)	(mm)	(mm)
2 ~ 7	50 ~ 175	75
8 ~ 36	200 ~ 900	150

• APPLICATION

A cable ladder fitting which is suitable for joining cable ladders in **four** directions at 90° intervals in the same plane.

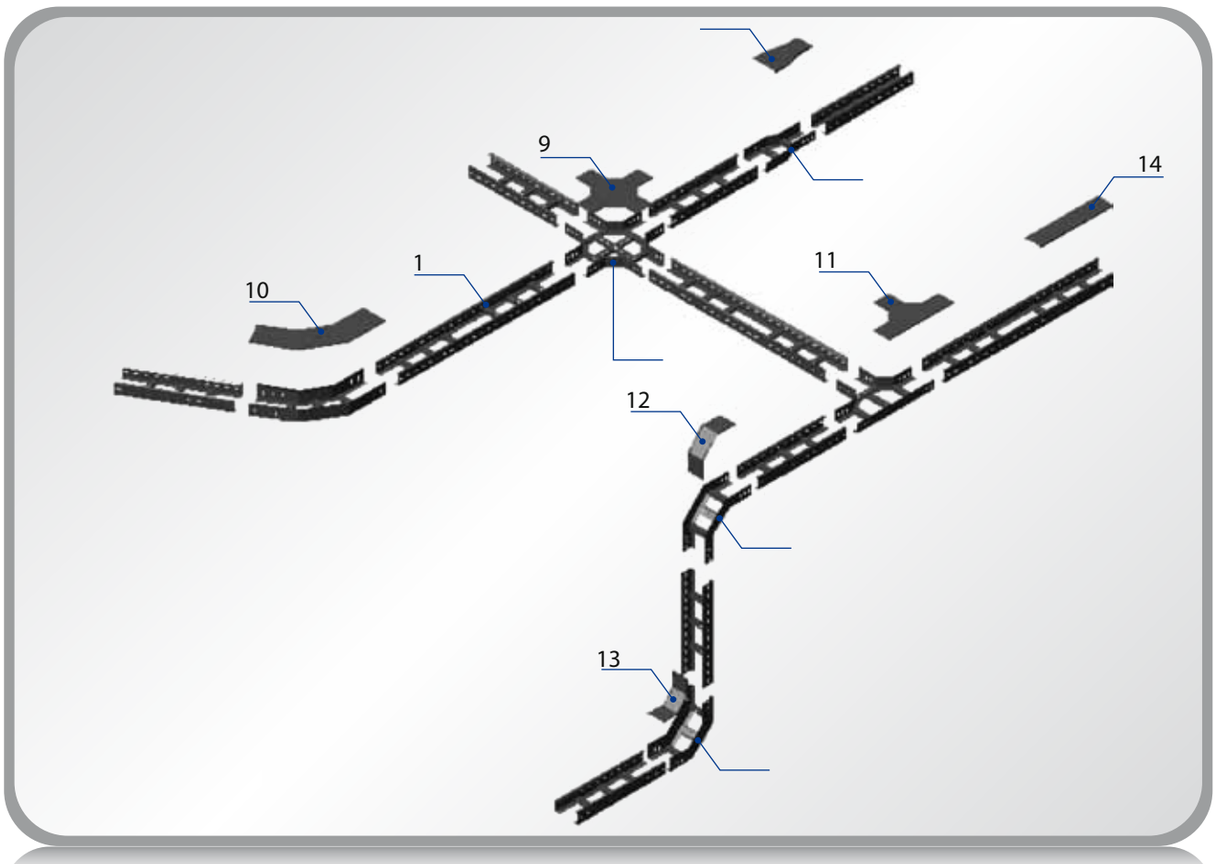
• TOTAL VARIATIONS: 180 nos.

• WEIGHT

			WEIGHT[6] Wt (Kg)								
	H (mm)		50			75			100		
	Duty/THK (mm)		T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5	T1 1	T2 1.2	T3 1.5
	W (Inch)	W (mm)									
Group A	4	-	1.23	1.48	1.85	1.47	1.76	2.20	1.71	2.05	2.56
	5	-	1.31	1.58	1.97	1.55	1.86	2.32	1.79	2.14	2.68
	6	-	1.39	1.67	2.09	1.63	1.96	2.44	1.87	2.24	2.80
	7	-	1.47	1.77	2.21	1.71	2.05	2.56	1.95	2.33	2.92
	8	-	1.87	2.33	3.11	2.15	2.68	3.58	2.43	3.04	4.05
	9	-	1.96	2.45	3.27	2.24	2.80	3.74	2.53	3.16	4.21
	10	-	2.06	2.57	3.43	2.34	2.92	3.90	2.62	3.28	4.37
			T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2	T1 1.2	T2 1.5	T3 2
Group B	12	-	2.25	2.81	3.75	2.53	3.17	4.22	2.81	3.52	4.69
	14	-	2.44	3.05	4.07	2.72	3.41	4.54	3.01	3.76	5.01
	16	-	2.63	3.29	4.39	2.92	3.65	4.86	3.20	4.00	5.33
	18	-	2.83	3.53	4.71	3.11	3.89	5.18	3.39	4.24	5.65
	20	-	3.02	3.77	5.03	3.30	4.13	5.50	3.58	4.48	5.97
	22	-	3.21	4.01	5.35	3.49	4.37	5.82	3.78	4.72	6.29
	24	-	3.40	4.25	5.67	3.69	4.61	6.14	3.97	4.96	6.61
	26	-	4.49	5.99	8.99	4.85	6.46	9.69	5.20	6.93	10.40
			T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3	T1 1.5	T2 2	T3 3
Group C	28	-	4.73	6.31	9.47	5.09	6.78	10.17	5.44	7.25	10.88
	30	-	4.97	6.63	9.95	5.33	7.10	10.65	5.68	7.57	11.36
	32	-	5.21	6.95	10.43	5.57	7.42	11.13	5.92	7.89	11.84
	34	-	5.45	7.27	10.91	5.81	7.74	11.61	6.16	8.21	12.32
	36	-	5.69	7.59	11.39	6.05	8.06	12.10	6.40	8.53	12.80

1. We offer (20) standard variations of **W** (considering the outside width dimensions of the cable ladder with an allowance of 2 mm) as shown in the Weight Table.
2. We offer (3) different heights **H** (inside dimensions) (50, 75, 100) mm with an allowance of 1 mm.
3. Length **L** varies with **W**.
4. 1 inch = 25 mm.
5. Standard radius. Non-standard radii can be achieve as per order.
6. All weights in the table are calculated with an approximate average error percentage of 1.72%.

CABLE LADDER INSTALLATION GUIDE 1

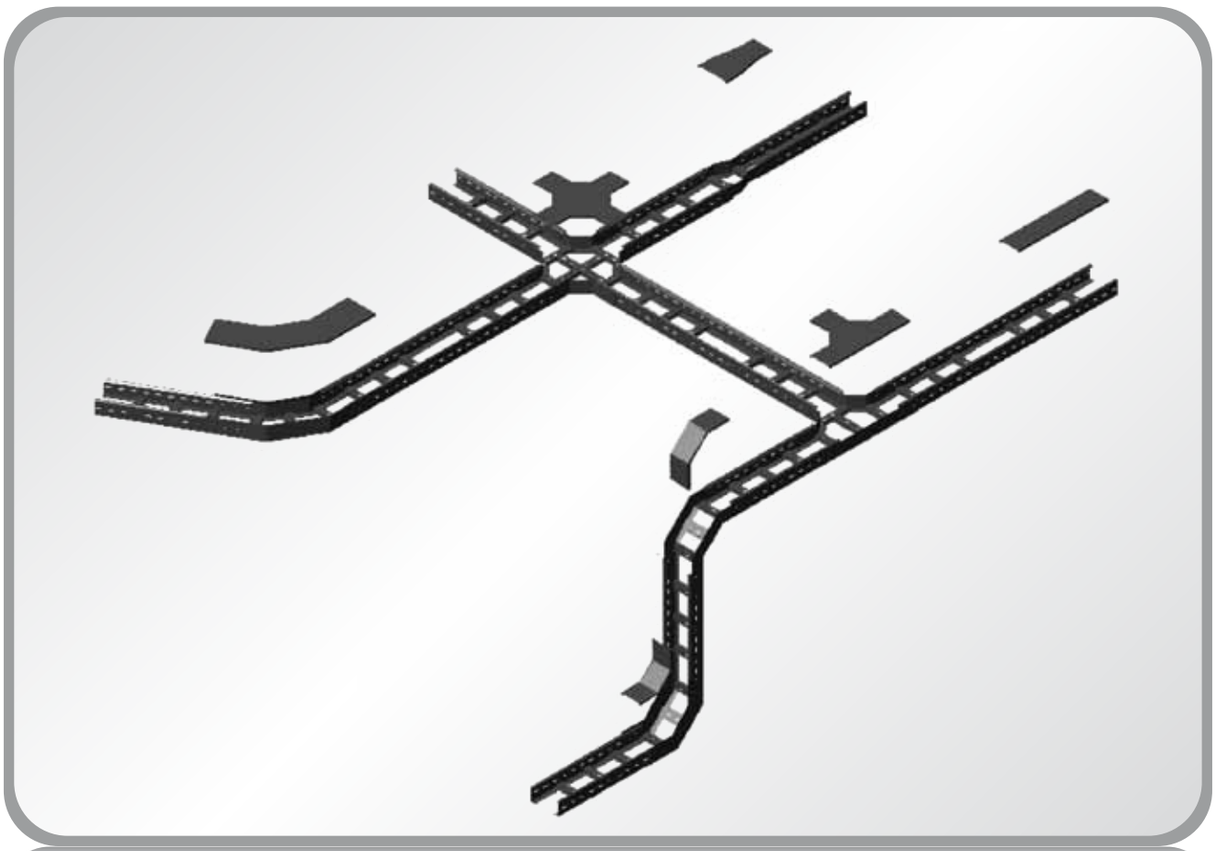


PARTS & DESCRIPTION

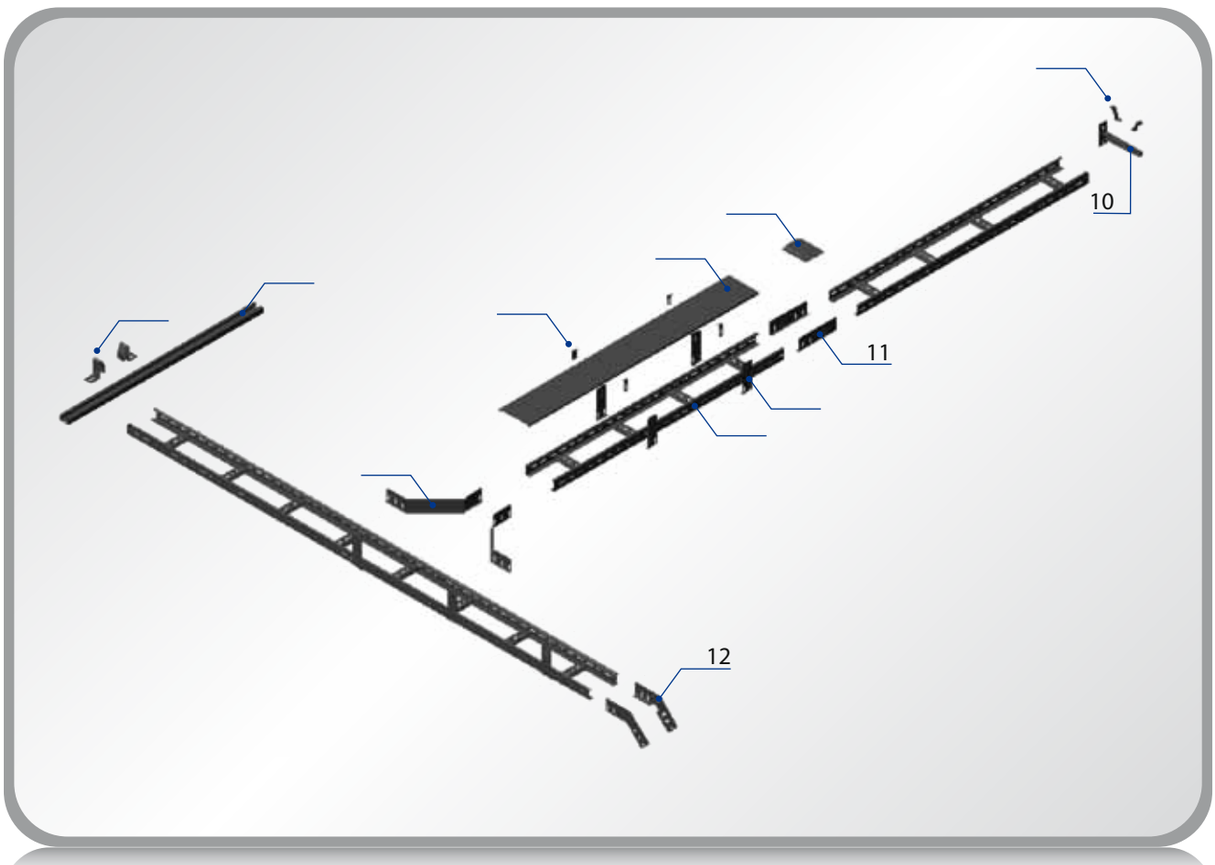
PART	DESCRIPTION
1	CABLE LADDER
2	ELBOW
3	TEE
4	EXTERNAL RISER
5	INTERNAL RISER
6	CROSS-OVER
7	REDUCER
8	REDUCER COVER
9	CROSS-OVER COVER
10	ELBOW COVER
11	TEE COVER
12	EXTERNAL RISER COVER
13	INTERNAL RISER COVER
14	CABLE LADDER COVER

- **NOTE**
  A set of screws are used when joining cable tray or ladder into its accessories.

CABLE LADDER TYPICAL LAYOUT 1



CABLE LADDER INSTALLATION GUIDE 2

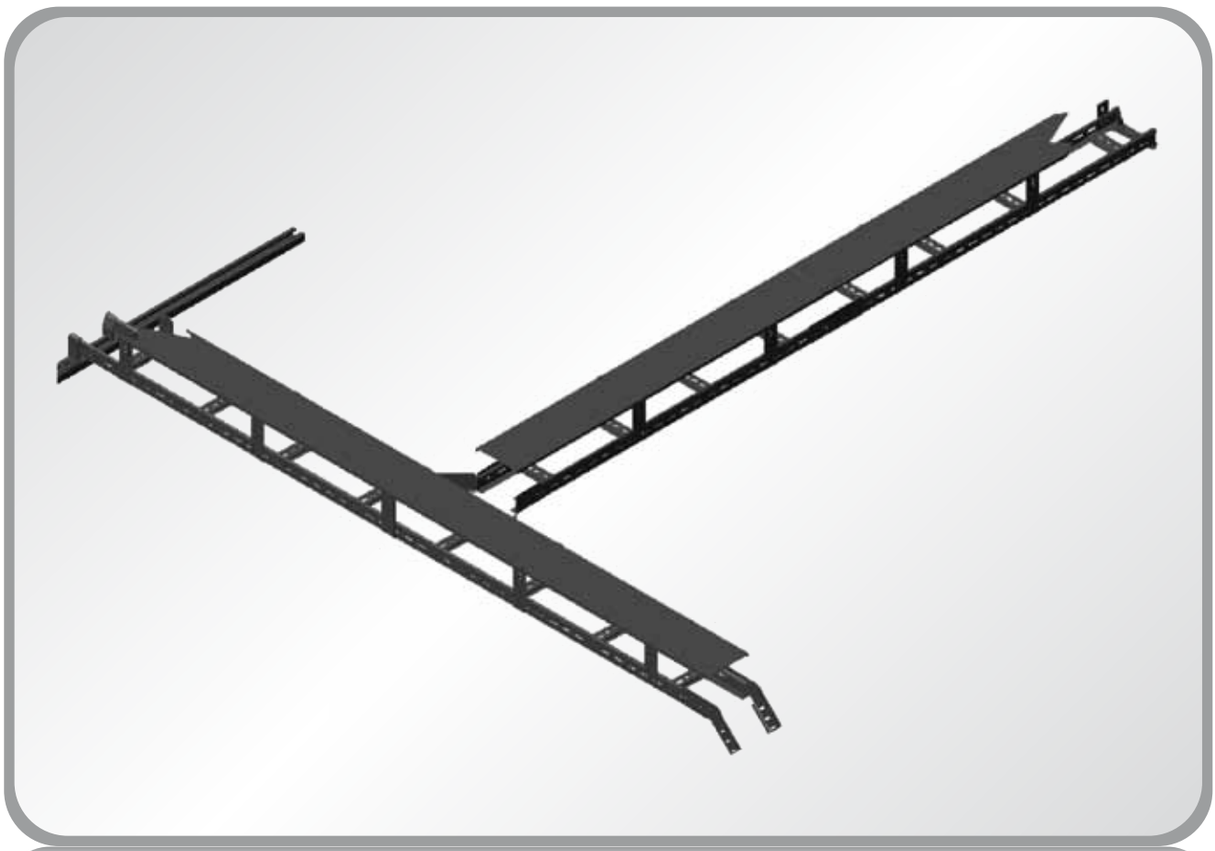


PARTS & DESCRIPTION

PART	DESCRIPTION
1	CABLE LADDER
2	CABLE LADDER COVER
3	COVER JOINT
4	SUPPORT PIECE 37
5	COVER CLAMP
6	CLAMP 42
7	JUNCTION COUPLING 14
8	U-CHANNEL
9	WALL BRACKET 11/25
10	CANTILEVER ARM
11	JOINT 21
12	COUPLING 22

- **NOTE**
  A set of screws are used when joining cable tray or ladder into its accessories.

CABLE LADDER TYPICAL LAYOUT 2



qatar technical
steel fabrication & industrial refrigeration

Notes

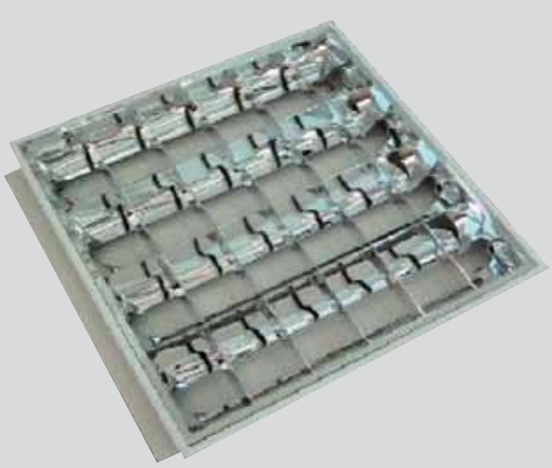
INTERIOR FIXTURES

INTERIOR FIXTURES

This is a new category of products that we are launching in 2011, it includes:

- Air Diffusers
- Light Fixtures
- Ceiling Panels

All major parts of these products are fully designed, developed and manufactured in our facilities with our own machined steel moulds. We currently produce aluminum ceiling square type diffusers in several dimensions and 600 x 600 mm aluminum square ceiling panels. Both product lines are supplied powder coated in standard color tones. New variations of these products are being developed to meet general requirements. Ceiling Light Fixtures are still under development.
Custom colors, designs and dimensions for the three product lines can be supplied as well.



AIR DIFFUSERS

qatar technical
steel fabrication & industrial refrigeration

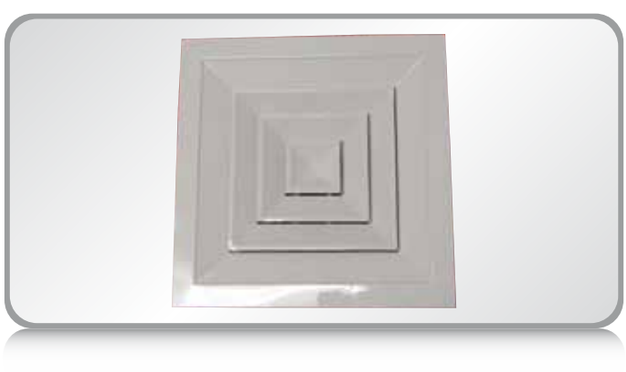
CEILING AIR DIFFUSER
(Square Cone Series)

CODE: CGDRSQ-WxW [1]

TOP

H: HEIGHT
W: WIDTH

FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• MATERIAL

TYPE	THICKNESS [3]	FINISH [4]
Aluminum	Collar: 1.2 mm Layers: 1 mm	Powder Coat (RAL 9016 White - Smooth)

• APPLICATION

An air distribution outlet, located in the ceiling and consisting of deflecting vanes discharging supply air in various directions and planes, and arranged to promote mixing of the air which is supplied to the room with the air already in the room.

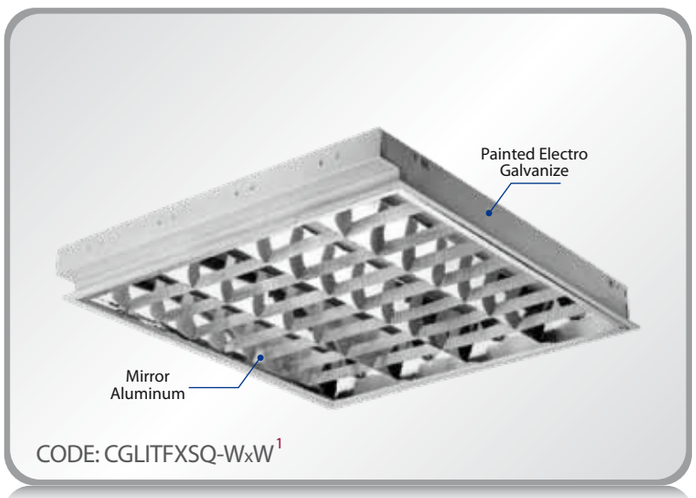
• SIZES & WEIGHTS

SQUARE CONE SHAPE CDS-W				
Width (W)		Layers [5]	Height (H) (mm)	Weight (Kg)
(Inch)	(mm)			
11.8	295	2	45	0.52
14.8	370	3	45	0.87
17.8	445	4	45	1.35
20.48	512	5	45	1.91
24	600	6	45	3.03

1. The square type is our first manufactured design, custom models can be fabricated as well.
2. We offer 4 different sizes of the square series.
3. The thickness of the collar and layers are fixed for all sizes.
4. We can provide different colors and textures of powder coat paint. RAL 9016 is the standard color.
5. The number of Layers include the collar piece but not the central piece.

LIGHT FIXTURES

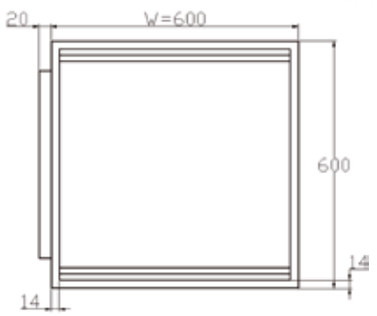
CEILING LIGHT FIXTURE
(Square Series)



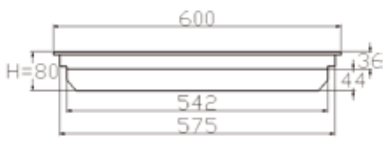
CODE: CGLITFXSQ-WxW[1]

TOP

H: HEIGHT
W: WIDTH



FRONT



SPECIFICATIONS & DETAILS:

(Dimensions in mm)

- **MATERIAL**

TYPE	THICKNESS	FINISH
Electro Galvanize	0.8 mm	Powder Coat (RAL 9016 White - Smooth)
Mirror Aluminum	0.4 mm	-

- **LIGHT FIXTURE ACCESSORIES**[2]

NO.	ACCESSORIES	QTY
1	STARTERS	4
2	TRANSFORMER	2
3	WIRING	-
4	FLUORESCENT BULB PVC SUPPORT	8
5	EARTHING PARTS	-

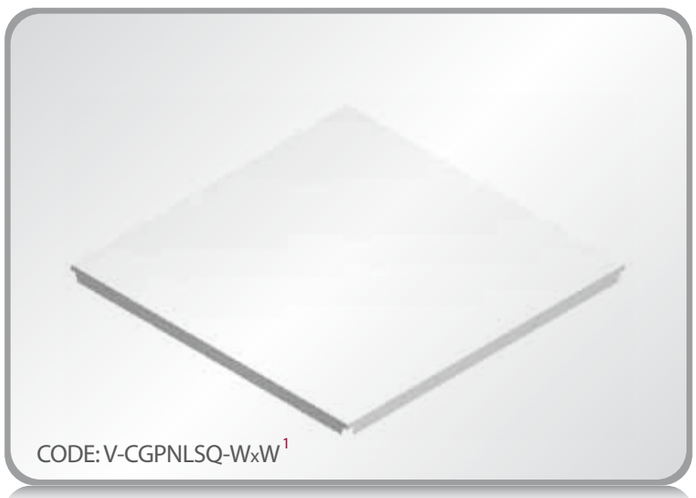
- **APPLICATION**

A light fixture is an electrical device used to create artificial illumination. It is complete with a reflector for the direction of light in addition to electrical fittings and wires.

1. The square series is released with a fixed size of 600 X 600 mm. In the near future, other models will be launched in the market.
2. Bulbs are not provided.

CEILING PANELS (CLIP IN - TYPE)

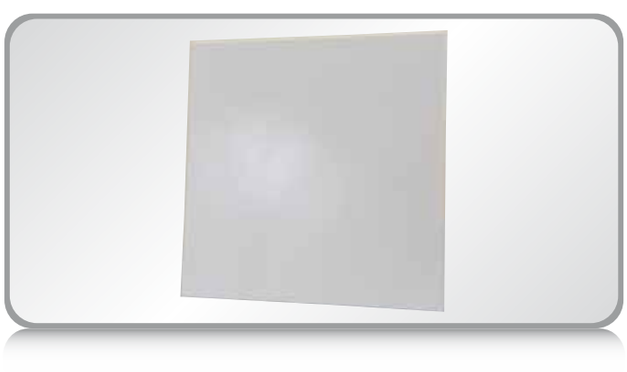
CEILING PANEL (CLIP-IN TYPE)
(Square Series)



CODE: V-CGPNLSQ-WxW[1]

TOP

H: HEIGHT
W: WIDTH



FRONT

(Dimensions in mm)

SPECIFICATIONS & DETAILS:

- **MATERIAL**

TYPE	THICKNESS[4]	FINISH[5]
Aluminum	0.6 mm	Powder Coat (RAL 9010 White - Smooth)

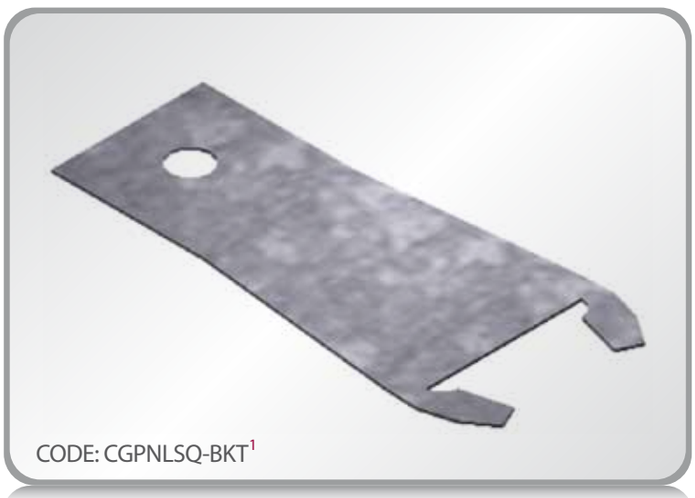
- **APPLICATION**

Ceiling panels are light weight tiles used in the interior of buildings. They are placed on a steel grid and, depending on the tile selected, may provide thermal insulation, sound absorption, enhanced fire protection, and improved indoor air quality.
v-CPS-W supplementary accessories and fittings are supplied subject to order per 1 M^2 or sold separately.

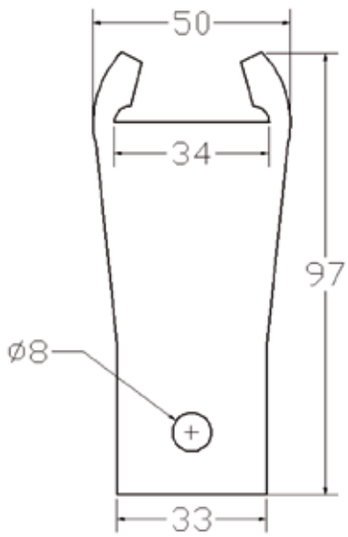
1. **V-CPS-W** can be produced in 3 different variations **V**. (**P:** Plain, Pr: Perforated, or **Pd:** Patterned). Other designs than the square panel can be manufactured .
2. Our standard panel size is 600 X 600 mm, however custom sizes for the square series can be produced.
3. Height **H** is fixed.
4. The thickness of the square series is fixed to 0.6 mm. Different material and thickness can be offered.
5. Color and texture of the paint can be customized.

CEILING PANEL ACCESSORIES

V-BRACKET



TOP



- **SPECIFICATIONS**

LENGTH (L)	97 mm
WIDTH (W)	50 mm
THICKNESS	0.6 mm
MATERIAL	Galvanized Iron
WEIGHT (KG)	0.022

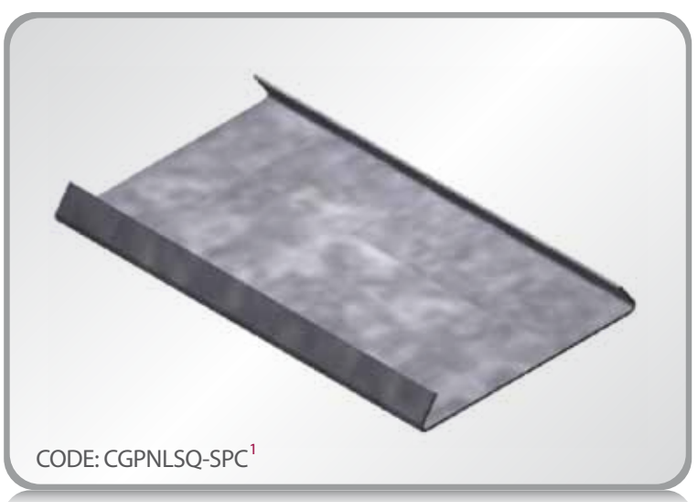
- **APPLICATION**

Supports or holds V-Carrier

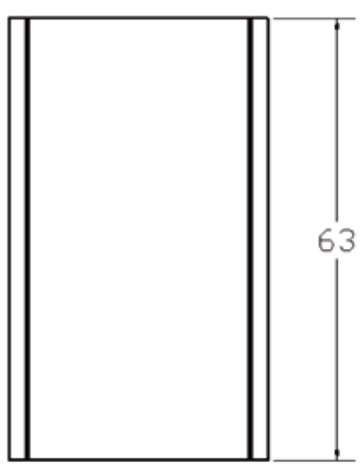
1. Fixed design, riser fittings not supplied.

(Dimensions in mm)

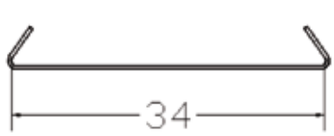
V-SPLICE



TOP



FRONT



- **SPECIFICATIONS**

LENGTH (L)	63 mm
WIDTH (W)	34 mm
THICKNESS	0.4 mm
MATERIAL	Galvanized Iron
WEIGHT (KG)	0.0087

- **APPLICATION**

Used for joining 2 V-carriers

1. Fixed design.

(Dimensions in mm)

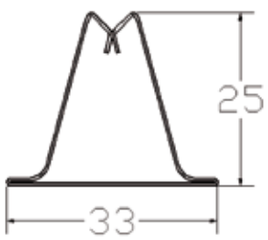
V-CARRIER

TOP

- **SPECIFICATIONS**

LENGTH (L)	3000 mm
WIDTH (W)	33 mm
THICKNESS	0.4 mm
MATERIAL	Galvanized Iron
WEIGHT (KG)	0.923

FRONT



- **APPLICATION**

  Used to suspend ceiling panels

1. Standard length is 3000 mm, custom lengths are produced as well.

(Dimensions in mm)

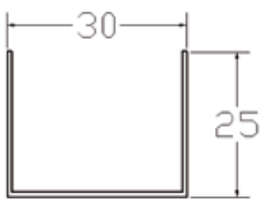
RUNNER

TOP

- **SPECIFICATIONS**

LENGTH (L)	3000 mm
WIDTH (W)	30 mm
THICKNESS	0.8 mm
MATERIAL	Galvanized Iron / MS
WEIGHT (KG)	1.50

FRONT



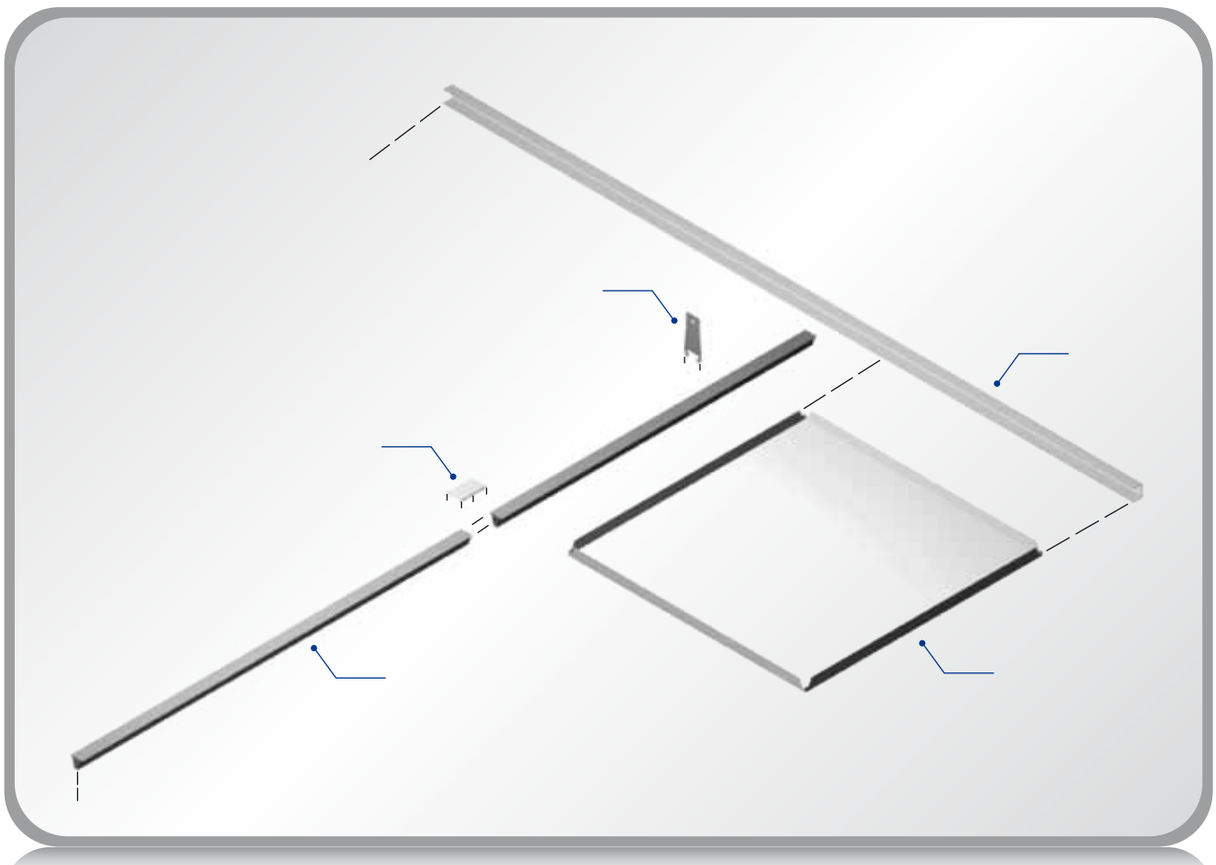
- **APPLICATION**

  Used to support ceiling panels

1. Standard length is 3000 mm, custom lengths are produced as well.

(Dimensions in mm)

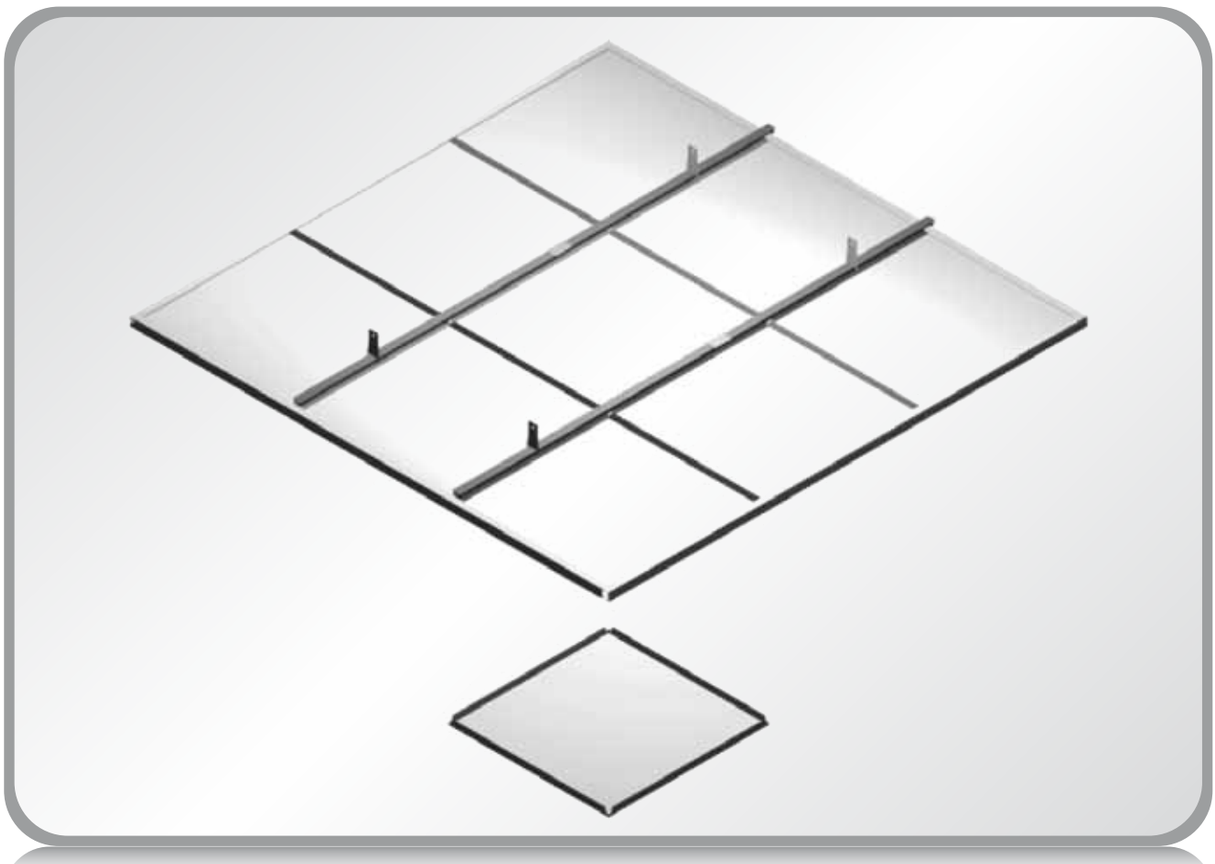
CEILING PANEL INSTALLATION GUIDE



PARTS & DESCRIPTION

PART	DESCRIPTION
1	RUNNER
2	V-BRACKET
3	V-SPLICE
4	V-CARRIER
5	CEILING PANEL

CEILING PANEL TYPICAL LAYOUT



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Notes

SERVICE CABINETS AND ENCLOSURES

SERVICE CABINETS & ENCLOSURES

The Service Cabinets & Enclosures product category includes:

- Kahramaa Service Cabinets
- Cut Out Box

The electrical and water Kahramaa Service Cabinets were among the first products developed and approved by Kahramaa (Qatar's General Electricity and Water Corporation). A new product recently added under this category is the Cut Out Box with an optional gland box. Both products can be manufactured in custom dimensions complying with local standards and specifications.
Further products to be developed are Distribution Boards.

WATER SERVICE CABINET 2"

Our Ref: CS/OSB/INSTLN./59
Date: 15.05.99

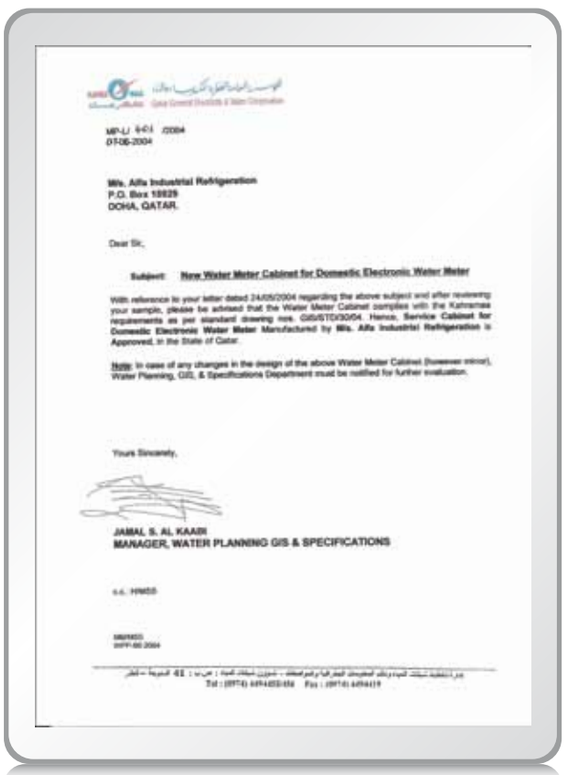
Mis. Alfa Industrial Refrigeration,
Post Box No. 15029,
Doha Qatar.

Subject: ALFA SERVICE CABINET - QATAR

Reference to your letter concerning the above subject, your documents and samples have been studied and approval is given to be used in the State of Qatar with 3 mm thickness sheet used in construction of the service cabinet.

JASIM BIN HAMED AL THANI
ASST. DIRECTOR
CONSUMER AFFAIRS DEPARTMENT

ELECTRICAL SERVICE CABINET



MP-L/ 641 /2004
07-06-2004

Mis. Alfa Industrial Refrigeration
P.O. Box 15029
DOHA, QATAR.

Dear Sir,

Subject: New Water Meter Cabinet for Domestic Electronic Water Meter

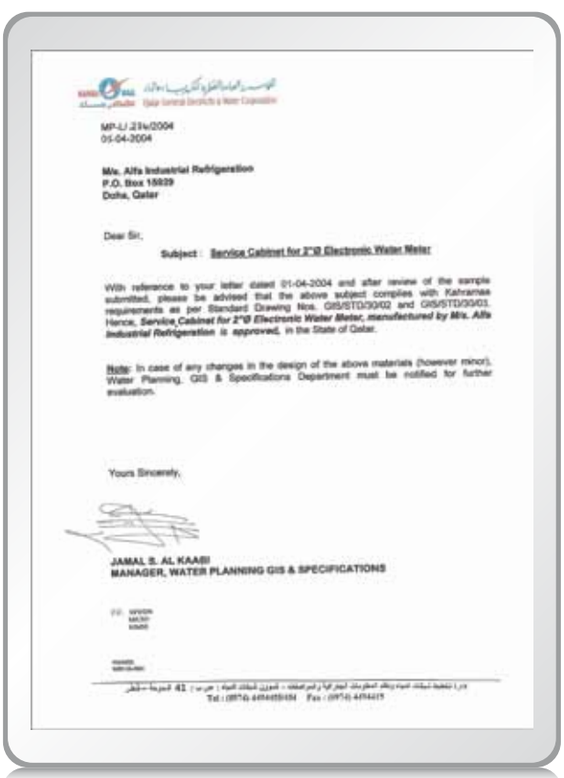
With reference to your letter dated 24/05/2004 regarding the above subject and after reviewing your sample, please be advised that the Water Meter Cabinet complies with the Kahramaa requirements as per standard drawing nos. GIS/STD/30/04. Hence, Service Cabinet for Domestic Electronic Water Meter Manufactured by Mis. Alfa Industrial Refrigeration is Approved, in the State of Qatar.

Note: In case of any changes in the design of the above Water Meter Cabinet (however minor), Water Planning, GIS, & Specifications Department must be notified for further evaluation.

Yours Sincerely,

JAMAL S. AL KAABI
MANAGER, WATER PLANNING GIS & SPECIFICATIONS

WATER SERVICE CABINET 1"



MP-L/ 234/2004
05-04-2004

Mis. Alfa Industrial Refrigeration
P.O. Box 15029
Doha, Qatar

Dear Sir,

Subject : Service Cabinet for 2"Ø Electronic Water Meter

With reference to your letter dated 01-04-2004 and after review of the sample submitted, please be advised that the above subject complies with Kahramaa requirements as per Standard Drawing Nos. GIS/STD/30/02 and GIS/STD/30/03. Hence, ***Service Cabinet for 2"Ø Electronic Water Meter, manufactured by Mis. Alfa Industrial Refrigeration is approved,*** in the State of Qatar.

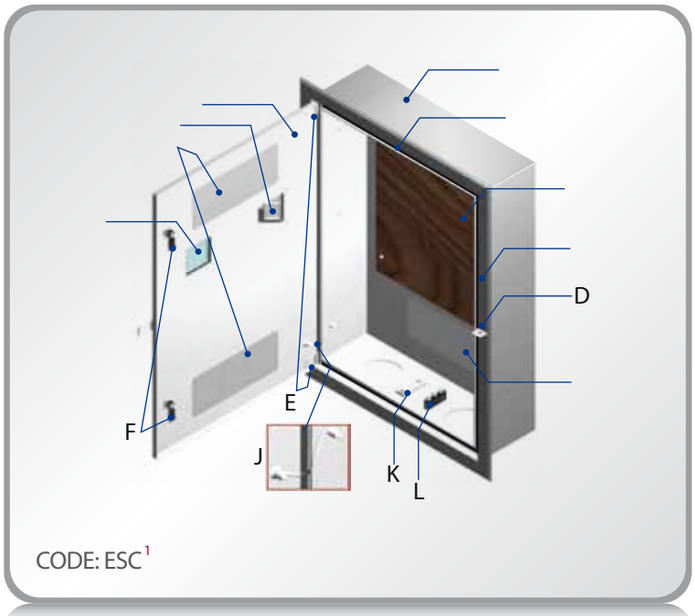
Note: In case of any changes in the design of the above materials (however minor), Water Planning, GIS & Specifications Department must be notified for further evaluation.

Yours Sincerely,

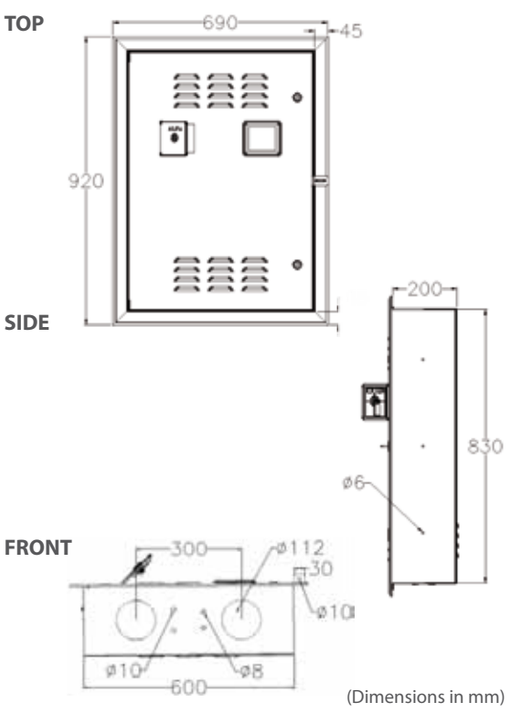
JAMAL S. AL KAABI
MANAGER, WATER PLANNING GIS & SPECIFICATIONS

KAHRAMAA SERVICE CABINETS (ALFA SERIES)

KAHRAMAA ELECTRICAL SERVICE CABINET (ALFA SERIES)



CODE: ESC[1]



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• PARTS & DESCRIPTION

PART	DESCRIPTION
A	BODY
B	DOOR
C	PROFILE / WIDE FLANGE
D	MAIN LOCK
E	HINGE ASSEMBLY TOP / BOTTOM
F	TRIANGULAR DOOR LOCK TOP / BOTTOM
G	LOUVERED VENTILATION WITH ALUMINUM NET
H	WIRED GLASS SET
I	DOOR WINDOW ASSEMBLY WITH LOCK
J	GROUND WIRE SET
K	ARMOUR CLAMP FOR SWA (STEEL WIRED ARMOUR)
L	EARTH TERMINALS
M	INSULATION WOODEN PAD
N	FOAM INSULATION

• MATERIAL

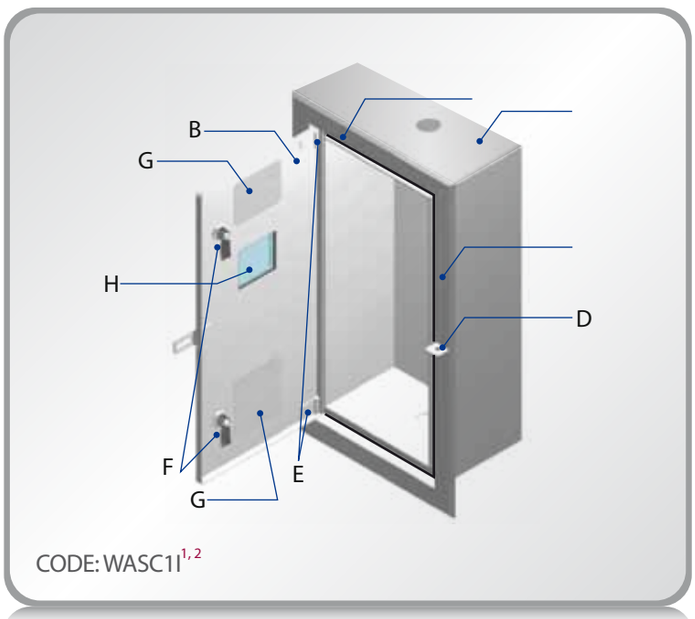
TYPE	THICKNESS	FINISH
Aluminum	3mm	Powder Coat (RAL 9016 White - Textured)

• APPLICATION

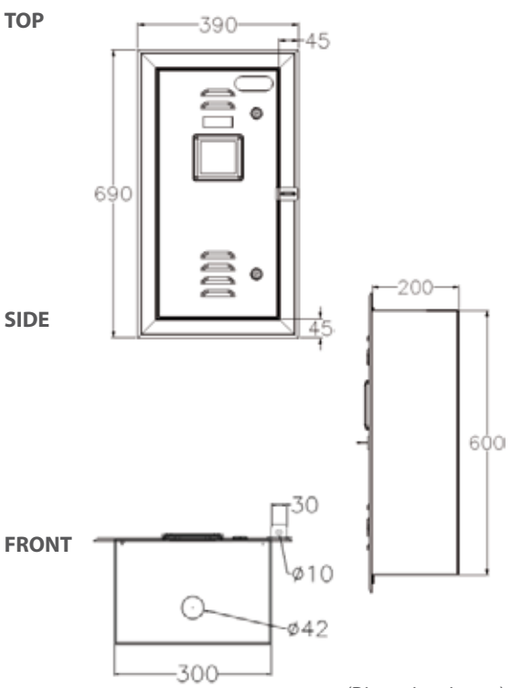
Electrical service cabinet is used to protect the electric meter installed outside from damage due to natural elements or sabotage. The foam applied on the profile provides protection against dust, rain, and humidity.

1. A new design of the **ESC** will be released soon. The design is exclusive to Qatar Technical.

KAHRAMAA WATER SERVICE CABINET 1" (ALFA SERIES)



CODE: WASC1I[1, 2]



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• PARTS & DESCRIPTION

PART	DESCRIPTION
A	BODY
B	DOOR
C	PROFILE / WIDE FLANGE
D	MAIN LOCK
E	HINGE ASSEMBLY TOP / BOTTOM
F	TRIANGULAR DOOR LOCK TOP / BOTTOM
G	LOUVERED VENTILATION WITH ALUMINUM NET
H	WIRED GLASS SET
I	FOAM INSULATION

• MATERIAL

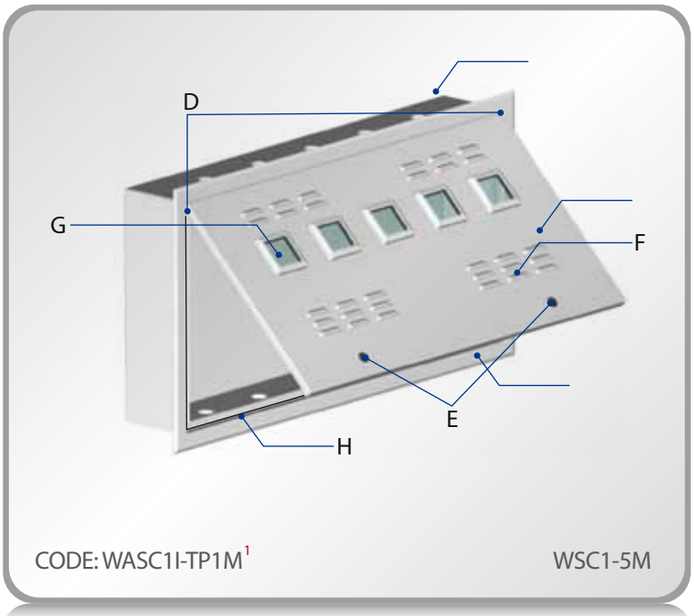
TYPE	THICKNESS	FINISH
Aluminum	3mm	Powder Coat (RAL 9016 White - Textured)

• APPLICATION

Water service cabinet is used to protect the water meter installed outdoor from damage due to natural elements or sabotage. The cabinet should be embedded in the wall. WSC1 allows for 1" (1 inch) pipe connection.

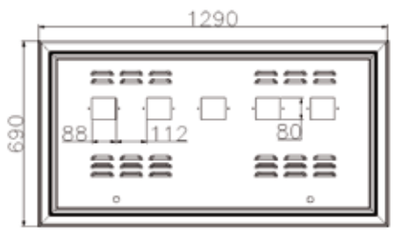
1. A new design of the **WSC1** will be released soon. The design is exclusive to Qatar Technical.
2. WSC1 is also custom manufactured with a multiple meter design.

KAHRAMAA WATER SERVICE CABINET 1" (ALFA CUSTOM SERIES - TYPE 1)



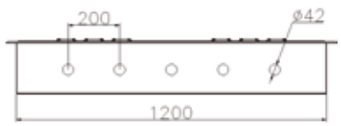
CODE: WASC1I-TP1M[1] WSC1-5M

TOP



SIDE

FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• PARTS & DESCRIPTION

PART	DESCRIPTION
A	MAIN BODY
B	MAIN DOOOR
C	PROFILE / WIDE FLANGE
D	HINGE ASSEMBLY LEFT / RIGHT
E	TRIANGULAR DOOR LOCK LEFT / RIGHT
F	LOUVERED VENTILATION WITH ALUMINUM NET
G	WIRED GLASS SET
H	FOAM INSULATION

• MATERIAL

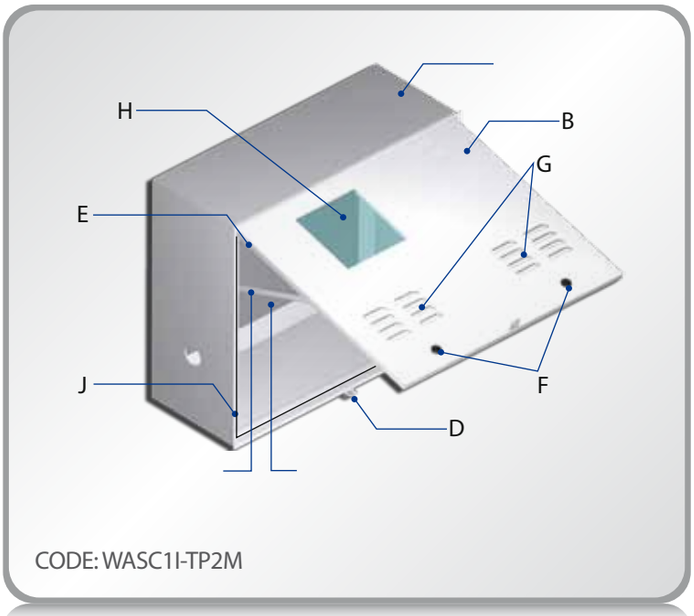
TYPE	THICKNESS	FINISH
Aluminum	3mm	Powder Coat (RAL 9016 White - Textured)

• APPLICATION

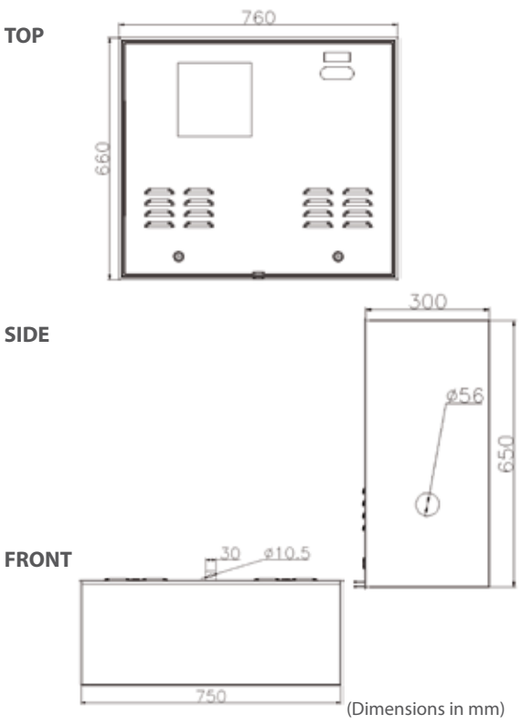
Water service cabinet is used to protect the water meter installed outdoor from damage due to natural elements or sabotage. The cabinet should be embedded in the wall. WSC1-XM allows for 1" (1 inch) pipe connection and accommodates several meters.

1. Custom designs for several meters can be fabricated.

KAHRAMAA WATER SERVICE CABINET 2" (ALFA SERIES)



CODE: WASC1I-TP2M



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• PARTS & DESCRIPTION

PART	DESCRIPTION
A	BODY
B	DOOOR
C	PROFILE / WIDE FLANGE
D	MAIN LOCK
E	LEFT / RIGHT HINGE ASSEMBLY
F	TRIANGULAR DOOR LOCK LEFT / RIGHT
G	LOUVERED VENTILATION WITH ALUMINUM NET
H	WIRED GLASS SET
I	FOAM INSULATION
J	DOOR SUPPORT
K	FIBER PAD

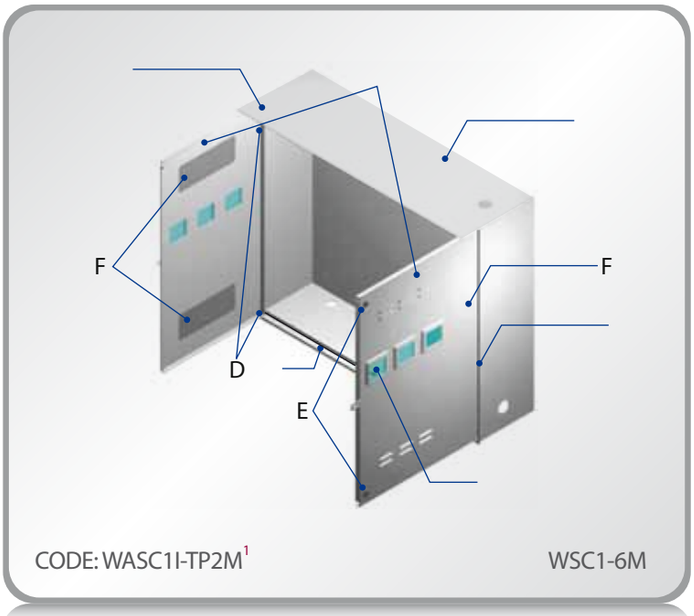
• MATERIAL

TYPE	THICKNESS	FINISH
Aluminum	3mm	Powder Coat (RAL 9016 White - Textured)

• APPLICATION

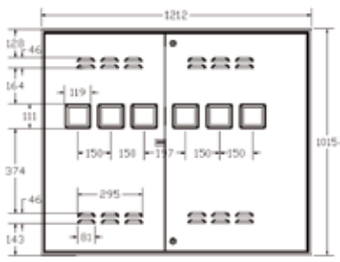
Water service cabinet is used to protect the water meter installed outdoor from damage due to natural elements or sabotage. The cabinet should be embedded in the wall. WSC2 allows for 2" (2 inch) pipe connection.

KAHRAMAA WATER SERVICE CABINET 1" (ALFA CUSTOM SERIES - TYPE 2)



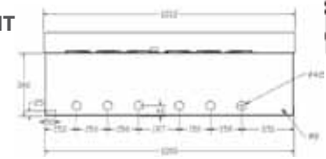
CODE: WASC1I-TP2M[1] WSC1-6M

TOP



SIDE

FRONT



(Dimensions in mm)

SPECIFICATIONS & DETAILS:

• PARTS & DESCRIPTION

PART	DESCRIPTION
A	MAIN BODY
B	MAIN DOOOR
C	PROFILE / FLANGE
D	HINGE ASSEMBLY LEFT / RIGHT
E	TRIANGULAR DOOR LOCK TOP / BOTTOM
F	LOUVERED VENTILATION WITH ALUMINUM NET
G	WIRED GLASS SET
H	MAINLOCK
I	FOAM INSULATION
J	RAIN COVER

• MATERIAL

TYPE	THICKNESS	FINISH
Aluminum	3mm	Powder Coat (RAL 9016 White - Textured)

• APPLICATION

Water service cabinet is used to protect the water meter installed outdoor from damage due to natural elements or sabotage. The cabinet should be embedded in the wall. WSC1-XM allows for 1" (1 inch) pipe connection and accommodates several meters.

1. Custom designs for several meters can be fabricated.

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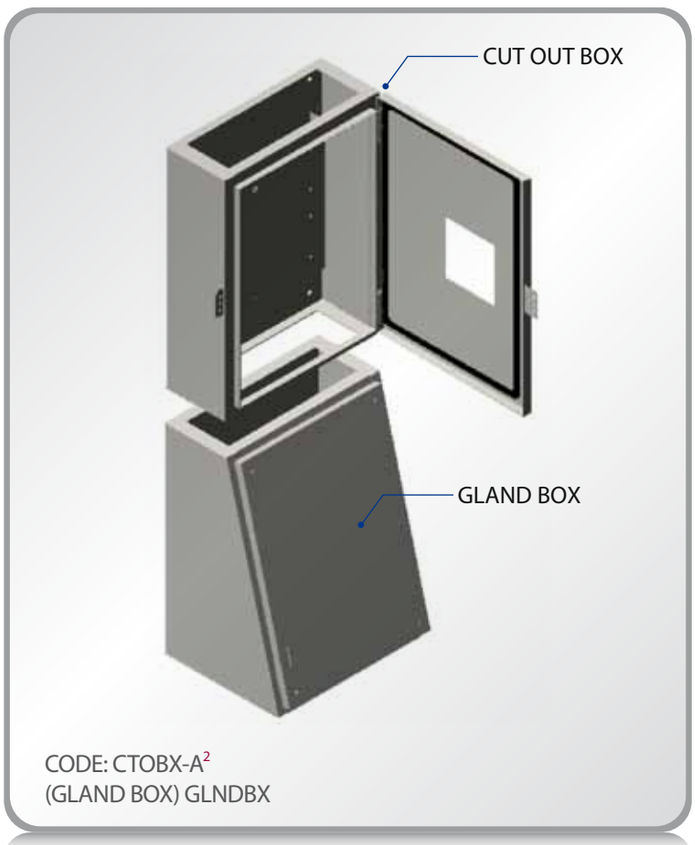
Notes

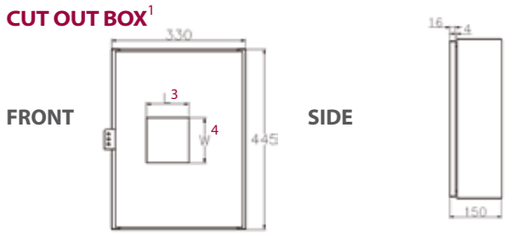
CUT OUT BOX

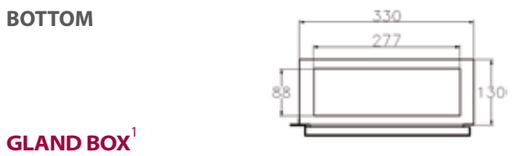
CUT OUT BOX[4]



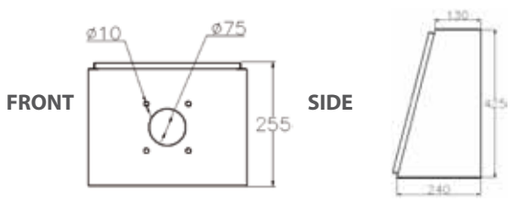
CODE: CTOBX-A[2]
(GLAND BOX) GLNDBX

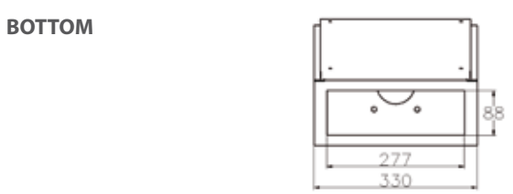
CUT OUT BOX[1]





GLAND BOX[1]





SPECIFICATIONS & DETAILS:

(Dimensions in mm)

- **MATERIAL**

TYPE	THICKNESS	FINISH
Mild Steel	1.2 mm	Powder Coat (RAL 7032 (Gray) - Textured)

- **APPLICATION**

A fireproof box with one hinged door that contains Low voltage switchgear. The foam applied on the profile provides the box with protection against any sort of ingress.

1. The cut out box is supplied independently or with a matching gland box.
2. **A** for Current value. We offer 2 versions of the cut out box which fit a 250A or a 350A cut out.
3. For 250 Amps Series: L = 105mm and for 350 Amps Series: L = 63mm
4. For 250 Amps Series: **W** = 111mm and for 350 Amps Series: **W** = 90mm

Notes

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Notes

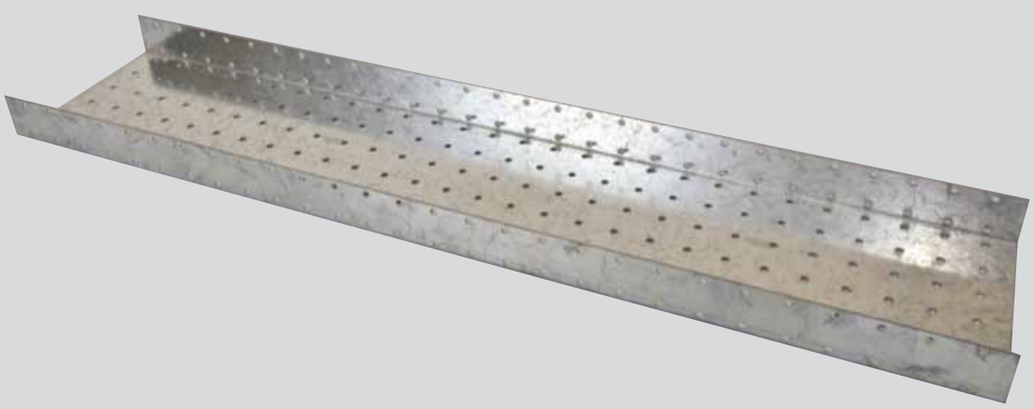
STRUCTURAL SUPPORT SYSTEMS

STRUCTURAL SUPPORT SYSTEMS

A recent product category developed and added to our growing list of standard products is the Structural Support Systems. This category includes currently:

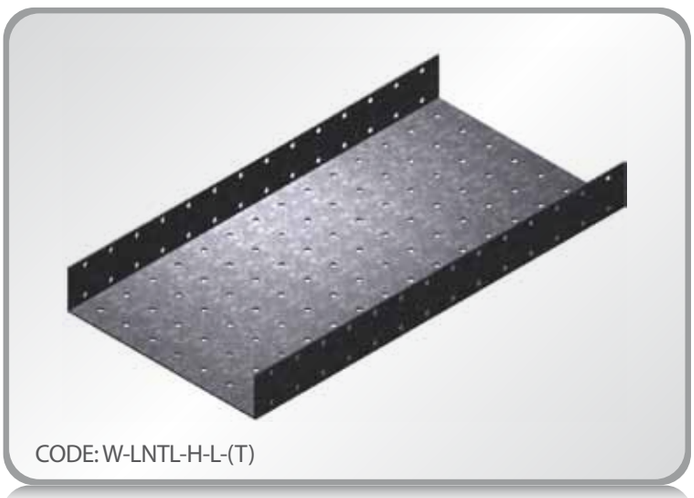
- Lintel Beam

We supply 150 and 200 mm wide galvanized steel lintel beams with a length ranging from 1 to 3 meters.
Future Products may include structural C-Channels and other steel accessories.



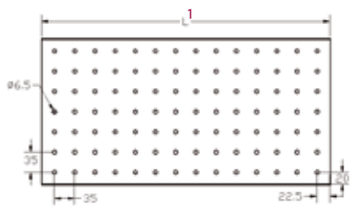
LINTEL BEAM

LINTEL BEAM

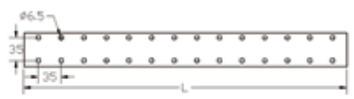


CODE: W-LNTL-H-L-(T)

TOP



SIDE



FRONT

SPECIFICATIONS & DETAILS:

(Dimensions in mm)

- **DUTY & WEIGHT**

W (Inch)	W (mm)	H (mm)	L (mm)	DUTY/THK (mm)	Wt (Kg)[2]
6	150	50	1000	2	3.93
6	150	50	1100	2	4.32
6	150	50	1200	2	4.71
6	150	50	1300	2	5.10
6	150	50	1400	2	5.50
6	150	50	1500	2	5.89
6	150	50	1600	2	6.28
6	150	50	1700	2	6.67
6	150	50	1800	2	7.07
6	150	50	1900	2	7.46
6	150	50	2000	2	7.85
8	200	50	1000	2	4.71
8	200	50	1100	2	5.18
8	200	50	1200	2	5.65
8	200	50	1300	2	6.12
8	200	50	1400	2	6.59
8	200	50	1500	2	7.07
8	200	50	1600	2	7.54
8	200	50	1700	2	8.01
8	200	50	1800	2	8.48
8	200	50	1900	2	8.95
8	200	50	2000	2	9.42
8	200	50	2100	3	14.84
8	200	50	2200	3	15.54
8	200	50	2300	3	16.25
8	200	50	2400	3	16.96
8	200	50	2500	3	17.66
8	200	50	2600	3	18.37
8	200	50	2700	3	19.08
8	200	50	2800	3	19.78
8	200	50	2900	3	20.49
8	200	50	3000	3	21.20

- **MATERIAL**

TYPE	THICKNESS	FINISH
Galvanized Iron	2mm, 3mm	-

- **APPLICATION**

  Lintel beam is provided at the top of doors and windows for construction support.

- **TOTAL VARIATIONS:** 32nos.

1. We offer (31) standard variations (combination of **W** , **H**, and **L**) (inside dimensions) as shown in the Duty & Weight Table.
2. All weights in the table are calculated with an approximate average error percentage of 1.72%.

APPENDIX

PLACING ORDERS USING PRODUCT CODES

We ask our clients to refer to the products codes listed in the first pages of the catalogue when placing orders and to refer to the abbreviations sheet for a better understanding of our products specifications and variations. To facilitate the enquiry and procurement processes, follow these guidelines when inquiring or ordering any of the products.

Cable Support Systems

Cable Tray, Ladder, Trunking:

Choose the item from the product list, determine the dimensions required and fill in the parameters (or dimensions) in the product code as specified.
For a 100 mm wide cable tray, perforated type, channel design, with 25 mm height, 2440 mm length and 1.0 mm thickness the code is:

100-PRCHTY-25-2440-(1)

The same procedure applies to all products under this category; there are 7 parameters that may apply (W, Wb, H, Hb, L, T, αo). Refer to the Parameters table to determine unit of measurement. For custom orders, fill in the required dimensions.

Interior Fixtures

Air Diffusers:

We currently produce the ceiling type, square cone shape design in 5 different sizes. Quote the product code with the required side dimensions.
For a white (Juton RAL 9016 powder coat, as our standard) 295 x 295 diffuser, the code is:

CGDRSQ-295×295

Dimensions in mm. For other colors mention preference.

Light Fixtures:

We are currently developing the ceiling type, square design.

Ceiling Panels:

Available in clip-in type, square design, standard color (Juton RAL 9010 powder coat), 1 size 600 x 600 mm, in 3 variations patterned (custom), perforated (custom) or plain (standard). For this size and plain design the code is:

PN-CGPNLSQ- 600×600

For ceiling panel accessories, quote the code as it is, dimensions and materials are fixed. The runner can be supplied in the color tone required.

Service Cabinets & Enclosures

Kahramaa Service Cabinets:

The application of the cabinet must be specified (water or electrical) and orders placed according to the coding list. Dimensions, materials and colors are fixed according to Kahramaa standards.

Custom cabinets for water meter applications can be manufactured complying with Kahramaa conditions and specifications.

For reference, we provided 2 types if custom water meter cabinet 1 inch. Indications of the number of meters in the cabinet must be made.

For a 6 meter custom water service cabinet 1 inch type 1, the code is:

WASC1I-TP16

Cut Out Box:

Enquiries must include indications on cut out box rating, (250 or 350 A), and the need for a matching gland box.

For a 250 A cut out, box code is:

CTOBX-250

The gland box code is:

GLNDBX

Both items can be sold separately.

Structural Support Systems

Lintel Beam:

Determine the dimensions of the beam, noted in the following parameters (W, H, L, and T) and order accordingly or choose from the table of variations summarized the products data page.

For a 150 mm wide beam, with 50 mm height, 2000 mm length and 2 mm thickness, the code is:

150-LNTL-50-2000-(2)

qatar technical
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Notes