



CABLE LADDER WELDED & BOLTED TYPE

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Cable ladders are designed and manufactured to ensure ease during installation. Products are in 2 meter and 3 meter lengths as standard and offered in three different type of section, 90 deg. inside flange, inside return flange. The sections and its matching fittings are available in standard mill galvanized finish (BS 2989) (JIS G 3302) and Hot dip galvanized after fabrication finish (BS 729) and colored (Kiln-dried Electrostatic Paint) and stainless steel (316L,304). Materials and finishes are also available to suit customer s requirements. Below are cable tray ordering guides.

ORDERED BY CATALOG NUMBER



SPECIFICATIONS

GENERAL TYPE :

L = Ladder

CONNECTION TYPE :

A = Bolted
B = Welded

WIDTH :

10 = 100mm	50 = 500mm
15 = 150mm	60 = 600mm
20 = 200mm	70 = 700mm
25 = 250mm	80 = 800mm
30 = 300mm	90 = 900mm
40 = 400mm	100 = 1000mm

THICKNESS :

1.2 = 1.25mm
1.5 = 1.5mm
2 = 2mm

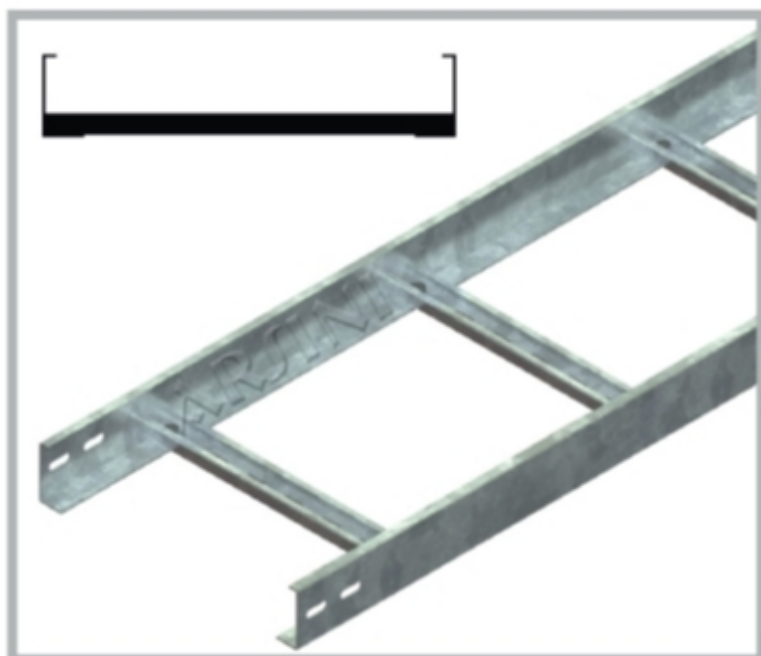
SIDE HEIGHTS :

5 = 50mm
6 = 60mm
7 = 70mm
10 = 100mm
15 = 100mm

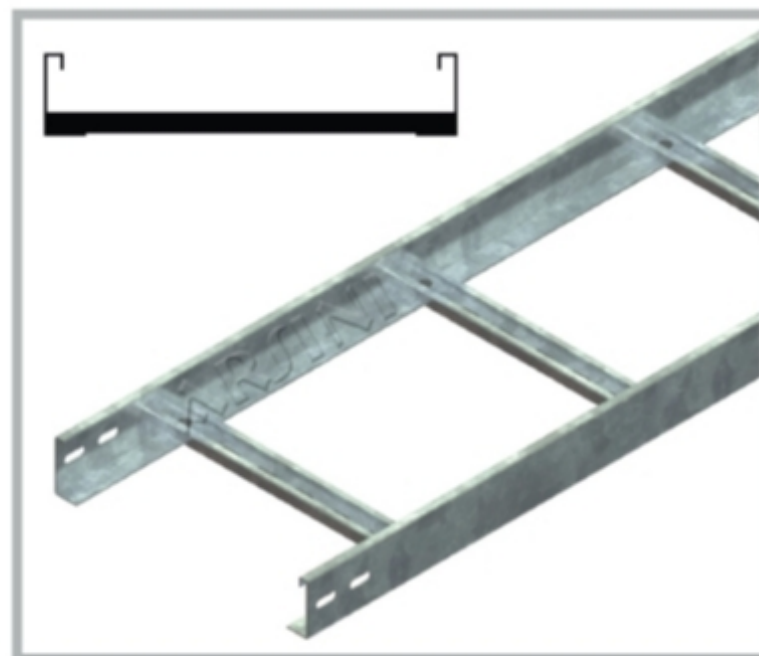
MATERIAL TYPE :

HDG = Hot dip galvanized
SS = Stainless steel
PG = Pre galvanized
C = Colored

FLANGE TYPE



4 = 90° INSIDE FLANGE



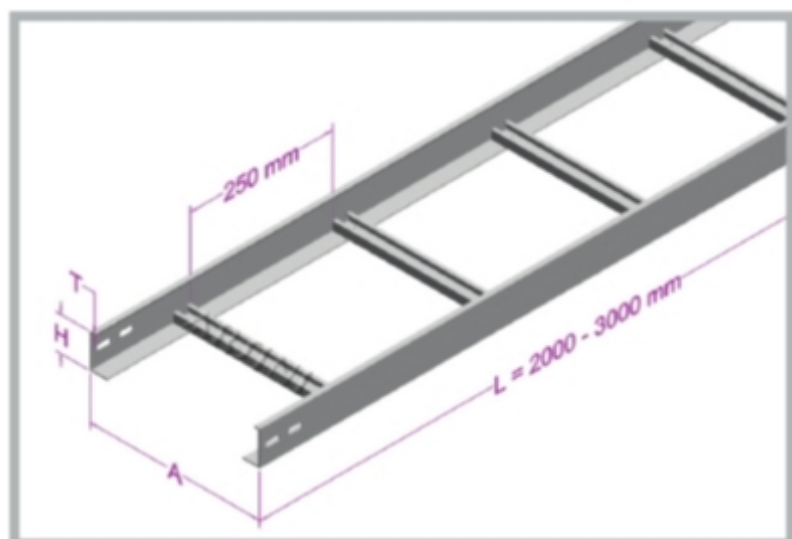
6 = INSIDE RETURN FLANGE

4 = 90° INSIDE FLANGE

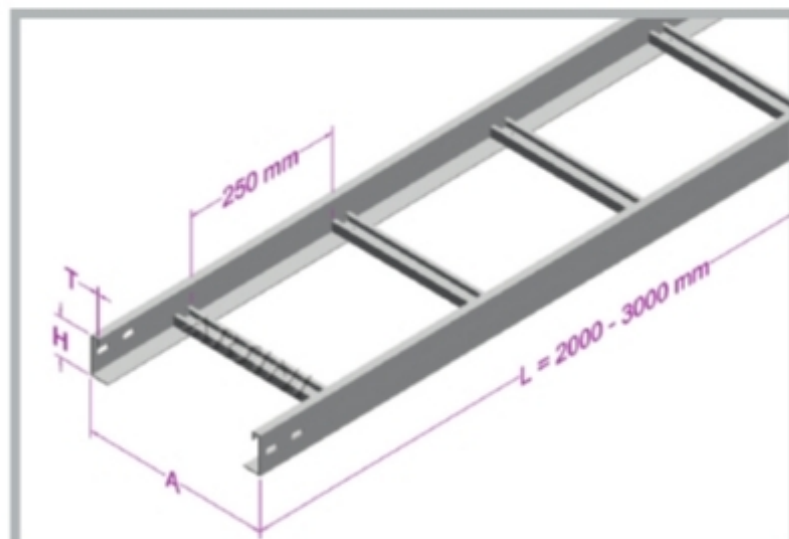
ORDER CODE	A mm	H mm	T mm
L(A,B)-4-10H1.2-?	100	50-60-70-100-150	1.25
L(A,B)-4-10H1.5-?	100	50-60-70-100-150	1.5
L(A,B)-4-10H2-?	100	50-60-70-100-150	2.0
L(A,B)-4-15H1.2-?	150	50-60-70-100-150	1.25
L(A,B)-4-15H1.5-?	150	50-60-70-100-150	1.5
L(A,B)-4-15H2-?	150	50-60-70-100-150	2.0
L(A,B)-4-20H1.2-?	200	50-60-70-100-150	1.25
L(A,B)-4-20H1.5-?	200	50-60-70-100-150	1.5
L(A,B)-4-20H2-?	200	50-60-70-100-150	2.0
L(A,B)-4-25H1.2-?	250	50-60-70-100-150	1.25
L(A,B)-4-25H1.5-?	250	50-60-70-100-150	1.5
L(A,B)-4-25H2-?	250	50-60-70-100-150	2.0
L(A,B)-4-30H1.2-?	300	50-60-70-100-150	1.25
L(A,B)-4-30H1.5-?	300	50-60-70-100-150	1.5
L(A,B)-4-30H2-?	300	50-60-70-100-150	2.0
L(A,B)-4-40H1.5-?	400	50-60-70-100-150	1.5
L(A,B)-4-40H2-?	400	50-60-70-100-150	2.0
L(A,B)-4-50H1.5-?	500	50-60-70-100-150	1.5
L(A,B)-4-50H2-?	500	50-60-70-100-150	2.0
L(A,B)-4-60H1.5-?	600	50-60-70-100-150	1.5
L(A,B)-4-60H2-?	600	50-60-70-100-150	2.0
L(A,B)-4-70H2-?	700	50-60-70-100-150	2.0
L(A,B)-4-80H2-?	800	50-60-70-100-150	2.0
L(A,B)-4-90H2-?	900	50-60-70-100-150	2.0
L(A,B)-4-100H2-?	1000	50-60-70-100-150	2.0

6 = INSIDE RETURN FLANGE

ORDER CODE	A mm	H mm	T mm
L(A,B)-6-10H1.2-?	100	50-60-70-100-150	1.25
L(A,B)-6-10H1.5-?	100	50-60-70-100-150	1.5
L(A,B)-6-10H2-?	100	50-60-70-100-150	2.0
L(A,B)-6-15H1.2-?	150	50-60-70-100-150	1.25
L(A,B)-6-15H1.5-?	150	50-60-70-100-150	1.5
L(A,B)-6-15H2-?	150	50-60-70-100-150	2.0
L(A,B)-6-20H1.2-?	200	50-60-70-100-150	1.25
L(A,B)-6-20H1.5-?	200	50-60-70-100-150	1.5
L(A,B)-6-20H2-?	200	50-60-70-100-150	2.0
L(A,B)-6-25H1.2-?	250	50-60-70-100-150	1.25
L(A,B)-6-25H1.5-?	250	50-60-70-100-150	1.5
L(A,B)-6-25H2-?	250	50-60-70-100-150	2.0
L(A,B)-6-30H1.2-?	300	50-60-70-100-150	1.25
L(A,B)-6-30H1.5-?	300	50-60-70-100-150	1.5
L(A,B)-6-30H2-?	300	50-60-70-100-150	2.0
L(A,B)-6-40H1.5-?	400	50-60-70-100-150	1.5
L(A,B)-6-40H2-?	400	50-60-70-100-150	2.0
L(A,B)-6-50H1.5-?	500	50-60-70-100-150	1.5
L(A,B)-6-50H2-?	500	50-60-70-100-150	2.0
L(A,B)-6-60H1.5-?	600	50-60-70-100-150	1.5
L(A,B)-6-60H2-?	600	50-60-70-100-150	2.0
L(A,B)-6-70H2-?	700	50-60-70-100-150	2.0
L(A,B)-6-80H2-?	800	50-60-70-100-150	2.0
L(A,B)-6-90H2-?	900	50-60-70-100-150	2.0
L(A,B)-6-100H2-?	1000	50-60-70-100-150	2.0



Cable ladder view



Rung view



Cable ladder view

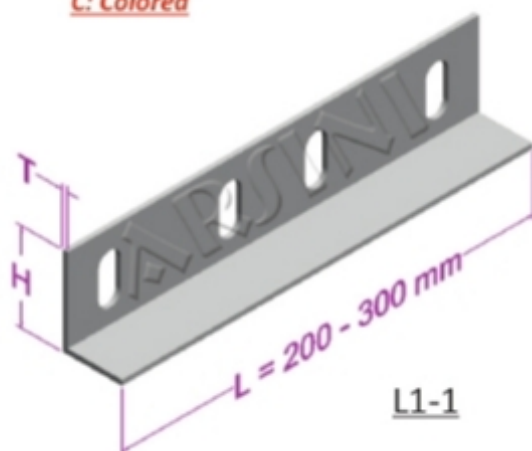
NOTES:

1. Cable ladder length 2000-3000mm.
2. According to the order of the distance between the rungs can be changed from 25cm to 20cm.
3. Each cable ladder need 2 pcs straight connector.
4. (A,B) There are two type cable ladder.(A = bolted),(B = welded)
5. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored

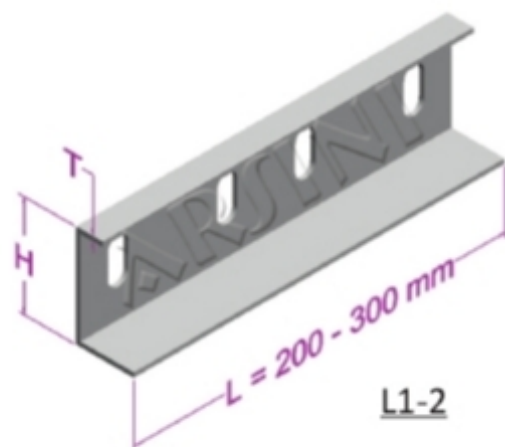
1- Straight connectors

NOTE:

1. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



L1-1



L1-2

ORDER CODE	L mm	H mm	T mm
L1-1HT-?	200 - 300	50-60-70-100-150	1.25 - 1.5 - 2
L1-2HT-?	200 - 300	50-60-70-100-150	1.25 - 1.5 - 2



Connection Example

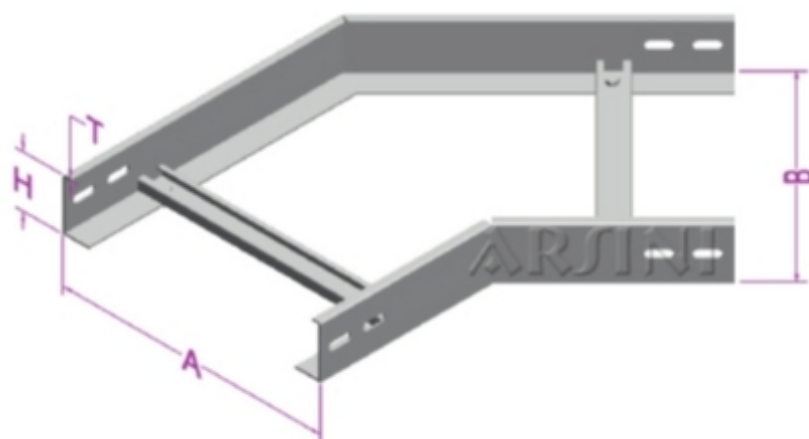


Connection Example

2- Horizontal bend 45 degree

NOTE:

1. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L2-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L2-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L2-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L2-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L2-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L2-40HT-?	400	50-60-70-100-150	1.5 - 2
L2-50HT-?	500	50-60-70-100-150	1.5 - 2
L2-60HT-?	600	50-60-70-100-150	1.5 - 2
L2-70HT-?	700	50-60-70-100-150	2
L2-80HT-?	800	50-60-70-100-150	2
L2-90HT-?	900	50-60-70-100-150	2
L2-100HT-?	1000	50-60-70-100-150	2



Connection Example

3- Horizontal bend 90 degree (R150)

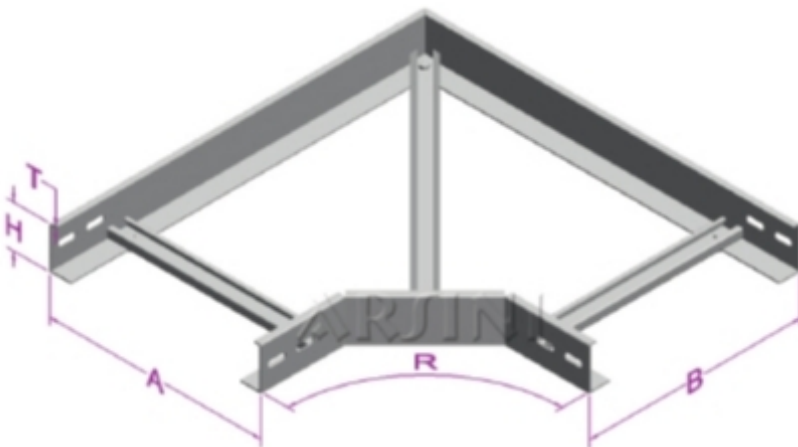
NOTES:

1. In our standard productions (B) dimensions with (A) Dimensions are equal, In your requests (B) dimensions Can be changed and the production can be made According to your request.

2. (?) → H.D.G: Hot dip galvanized

P.G: Pre galvanized

C: Colored



ORDER CODE	A mm	H mm	T mm
L3-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L3-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L3-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L3-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L3-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L3-40HT-?	400	50-60-70-100-150	1.5 - 2
L3-50HT-?	500	50-60-70-100-150	1.5 - 2
L3-60HT-?	600	50-60-70-100-150	1.5 - 2
L3-70HT-?	700	50-60-70-100-150	2
L3-80HT-?	800	50-60-70-100-150	2
L3-90HT-?	900	50-60-70-100-150	2
L3-100HT-?	1000	50-60-70-100-150	2



Connection Example

4- Horizontal tee (R150)

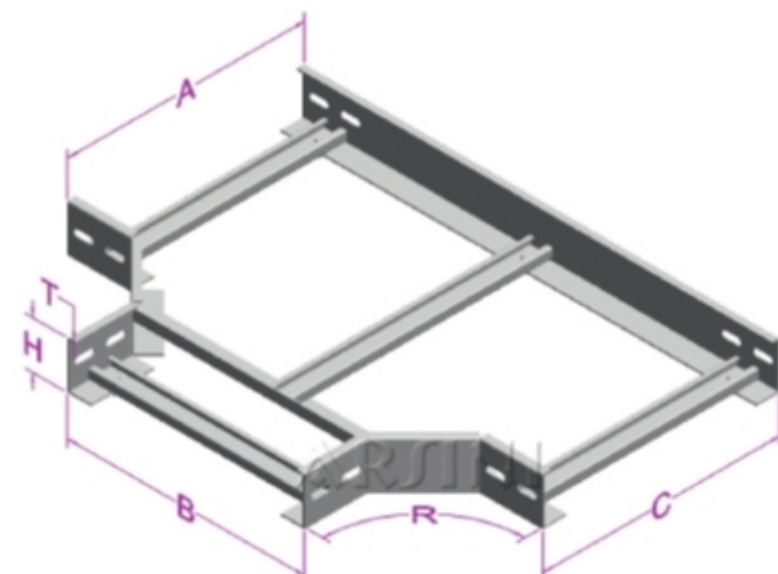
NOTES:

1. In our standard productions (A,B and C) dimensions Equal In your requests (B and C) dimensions can be Changed and the production can be made accorsing To your request.

2. (?) → H.D.G: Hot dip galvanized

P.G: Pre galvanized

C: Colored



ORDER CODE	A mm	H mm	T mm
L4-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L4-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L4-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L4-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L4-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L4-40HT-?	400	50-60-70-100-150	1.5 - 2
L4-50HT-?	500	50-60-70-100-150	1.5 - 2
L4-60HT-?	600	50-60-70-100-150	1.5 - 2
L4-70HT-?	700	50-60-70-100-150	2
L4-80HT-?	800	50-60-70-100-150	2
L4-90HT-?	900	50-60-70-100-150	2
L4-100HT-?	1000	50-60-70-100-150	2



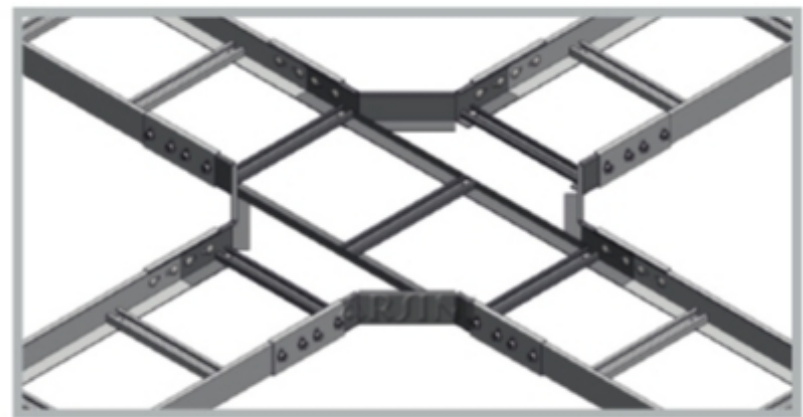
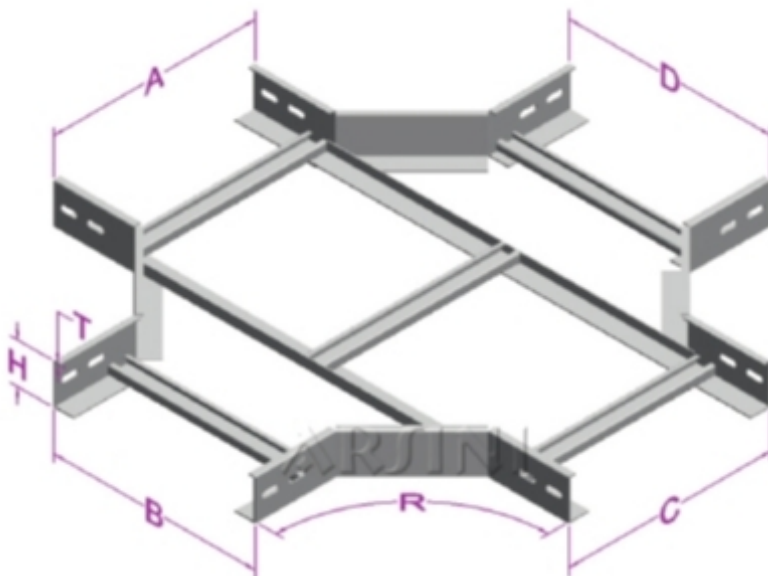
Connection Example

5- Horizontal crossing (R150)

NOTES:

1. In our standard productions (A,B,C and D) dimensions Equal In your requests (B,C and D) dimensions can be Changed and the production can be made accorsing To your request.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored

ORDER CODE	A mm	H mm	T mm
L5-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L5-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L5-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L5-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L5-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L5-40HT-?	400	50-60-70-100-150	1.5 - 2
L5-50HT-?	500	50-60-70-100-150	1.5 - 2
L5-60HT-?	600	50-60-70-100-150	1.5 - 2
L5-70HT-?	700	50-60-70-100-150	2
L5-80HT-?	800	50-60-70-100-150	2
L5-90HT-?	900	50-60-70-100-150	2
L5-100HT-?	1000	50-60-70-100-150	2



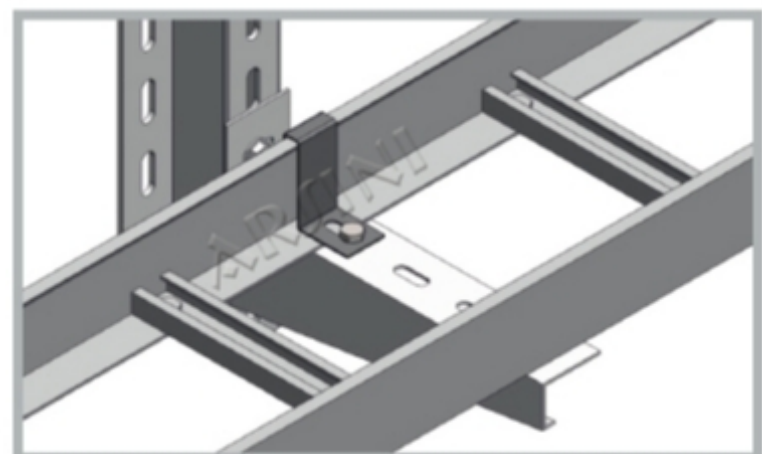
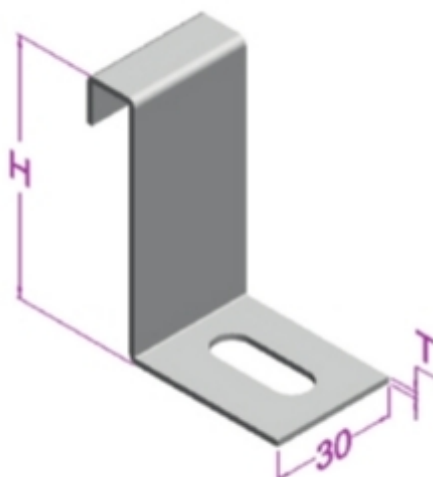
Connection Example

6- Hold clamp (Fixing unit for bracket)

NOTE:

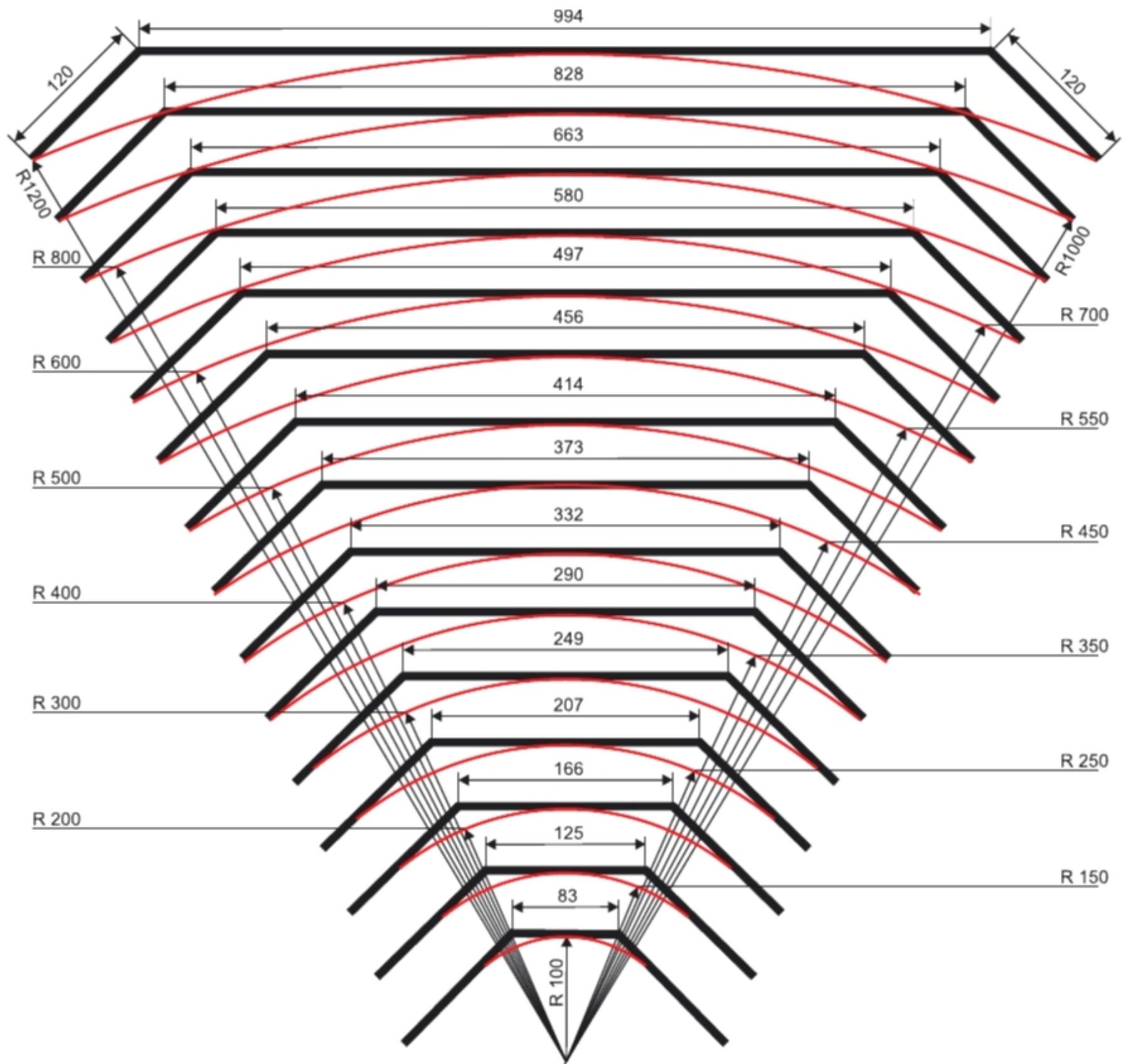
1. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored

ORDER CODE	H mm	T mm
L6-HT-?	50-60-70-100-150	1.5 - 2



Connection Example

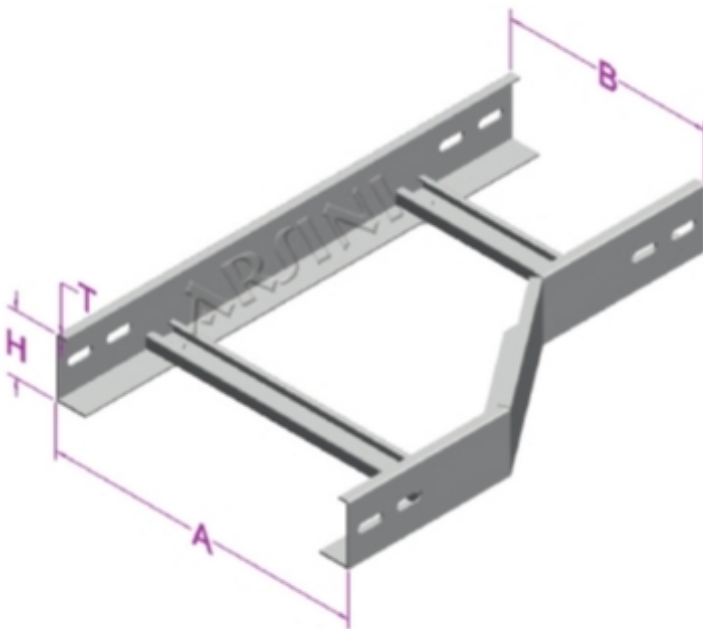
Radius table



7- Reducer (Left)

NOTES:

1. The other sizes reductions can be produced as per Clint's requests.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L7-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L7-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L7-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L7-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L7-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L7-40HT-?	400	50-60-70-100-150	1.5 - 2
L7-50HT-?	500	50-60-70-100-150	1.5 - 2
L7-60HT-?	600	50-60-70-100-150	1.5 - 2
L7-70HT-?	700	50-60-70-100-150	2
L7-80HT-?	800	50-60-70-100-150	2
L7-90HT-?	900	50-60-70-100-150	2
L7-100HT-?	1000	50-60-70-100-150	2

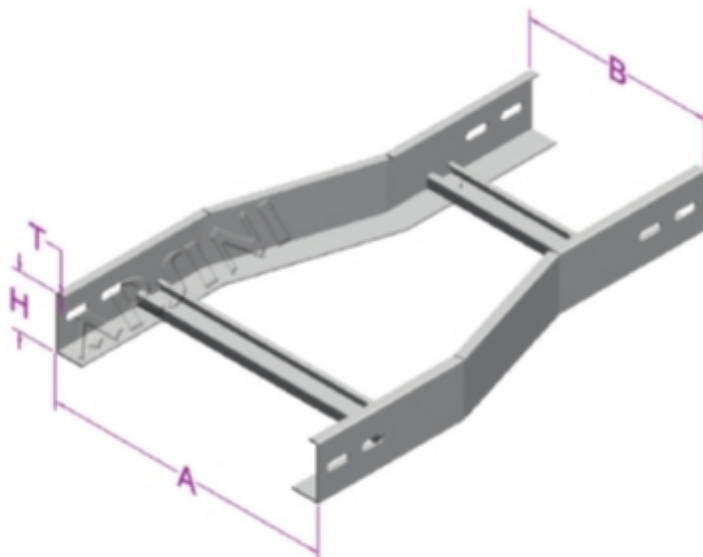


Connection Example

8- Reducer (Middle)

NOTES:

1. The other sizes reductions can be produced as per Clint's requests.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L8-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L8-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L8-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L8-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L8-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L8-40HT-?	400	50-60-70-100-150	1.5 - 2
L8-50HT-?	500	50-60-70-100-150	1.5 - 2
L8-60HT-?	600	50-60-70-100-150	1.5 - 2
L8-70HT-?	700	50-60-70-100-150	2
L8-80HT-?	800	50-60-70-100-150	2
L8-90HT-?	900	50-60-70-100-150	2
L8-100HT-?	1000	50-60-70-100-150	2

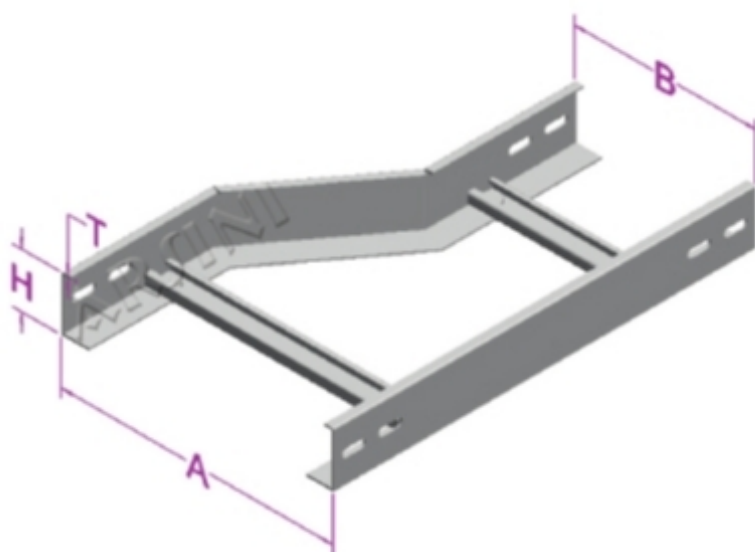


Connection Example

9- Reducer (Right)

NOTES:

1. The other sizes reductions can be produced as per Clint's requests.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L9-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L9-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L9-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L9-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L9-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L9-40HT-?	400	50-60-70-100-150	1.5 - 2
L9-50HT-?	500	50-60-70-100-150	1.5 - 2
L9-60HT-?	600	50-60-70-100-150	1.5 - 2
L9-70HT-?	700	50-60-70-100-150	2
L9-80HT-?	800	50-60-70-100-150	2
L9-90HT-?	900	50-60-70-100-150	2
L9-100HT-?	1000	50-60-70-100-150	2

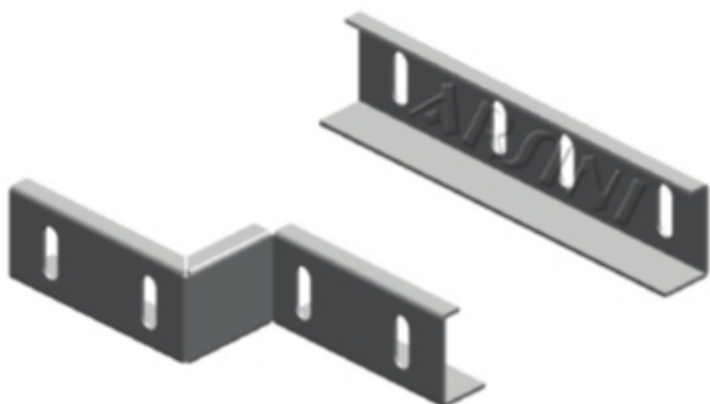


Connection Example

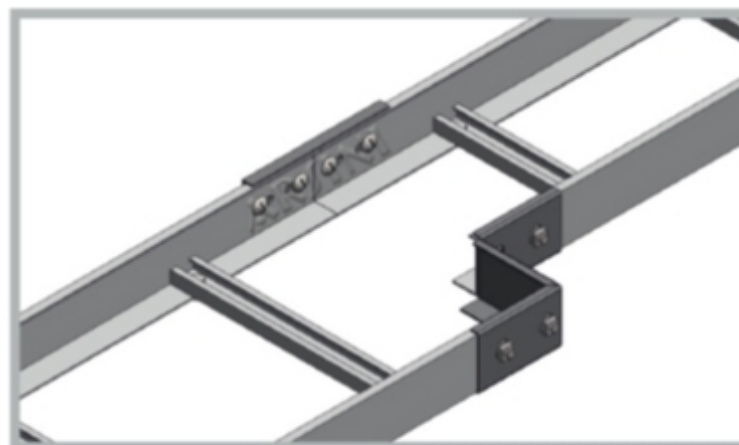
10- Reducing angles (Left)

NOTES:

1. The other sizes reductions can be produced as per Clint's requests.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L10-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L10-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L10-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L10-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L10-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L10-40HT-?	400	50-60-70-100-150	1.5 - 2
L10-50HT-?	500	50-60-70-100-150	1.5 - 2
L10-60HT-?	600	50-60-70-100-150	1.5 - 2
L10-70HT-?	700	50-60-70-100-150	2
L10-80HT-?	800	50-60-70-100-150	2
L10-90HT-?	900	50-60-70-100-150	2
L10-100HT-?	1000	50-60-70-100-150	2



Connection Example

11- Reducing angles (Middle)

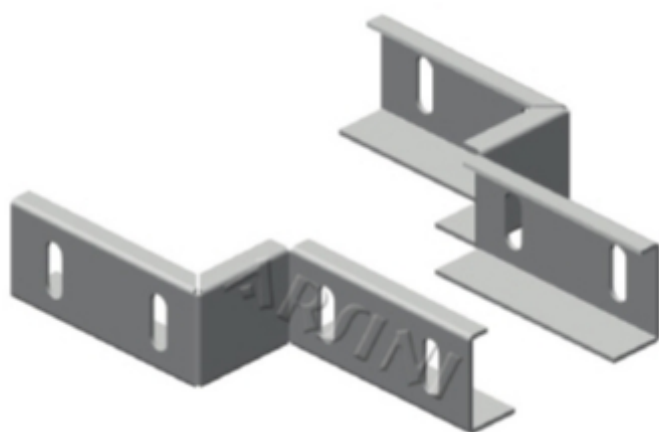
NOTES:

1. The other sizes reductions can be produced as per Clint's requests.

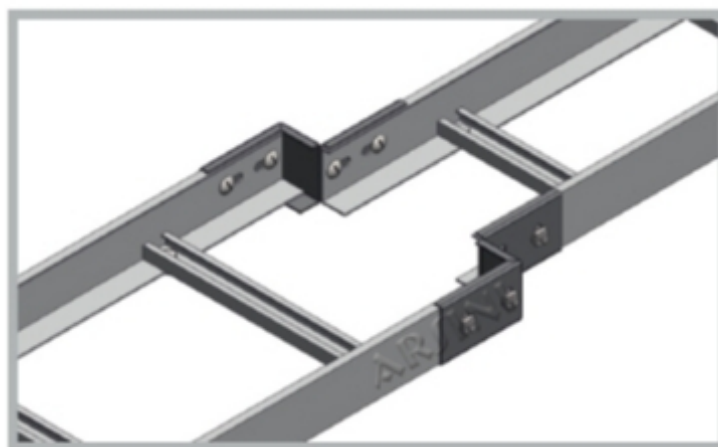
2. (?) → H.D.G: Hot dip galvanized

P.G: Pre galvanized

C: Colored



ORDER CODE	A mm	H mm	T mm
L11-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L11-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L11-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L11-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L11-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L11-40HT-?	400	50-60-70-100-150	1.5 - 2
L11-50HT-?	500	50-60-70-100-150	1.5 - 2
L11-60HT-?	600	50-60-70-100-150	1.5 - 2
L11-70HT-?	700	50-60-70-100-150	2
L11-80HT-?	800	50-60-70-100-150	2
L11-90HT-?	900	50-60-70-100-150	2
L11-100HT-?	1000	50-60-70-100-150	2



Connection Example

12- Reducing angles (Right)

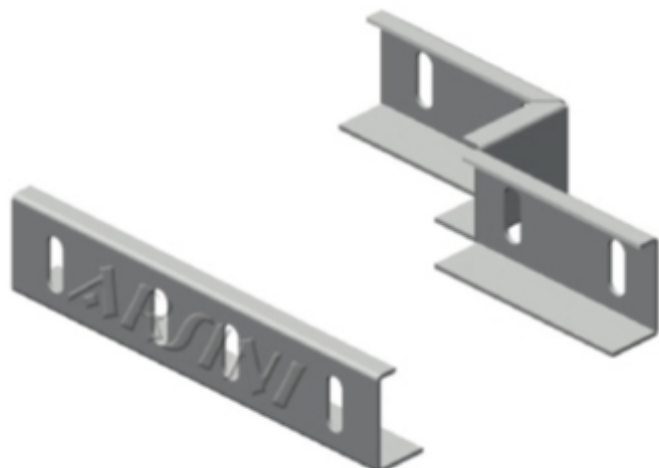
NOTES:

1. The other sizes reductions can be produced as per Clint's requests.

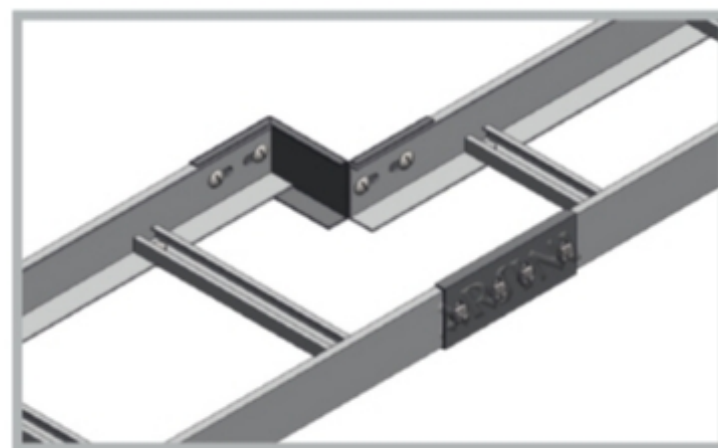
2. (?) → H.D.G: Hot dip galvanized

P.G: Pre galvanized

C: Colored



ORDER CODE	A mm	H mm	T mm
L12-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L12-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L12-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L12-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L12-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L12-40HT-?	400	50-60-70-100-150	1.5 - 2
L12-50HT-?	500	50-60-70-100-150	1.5 - 2
L12-60HT-?	600	50-60-70-100-150	1.5 - 2
L12-70HT-?	700	50-60-70-100-150	2
L12-80HT-?	800	50-60-70-100-150	2
L12-90HT-?	900	50-60-70-100-150	2
L12-100HT-?	1000	50-60-70-100-150	2

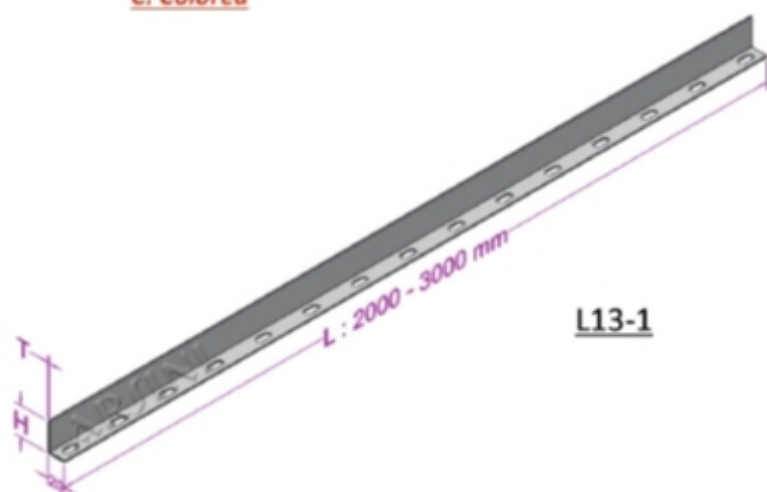


Connection Example

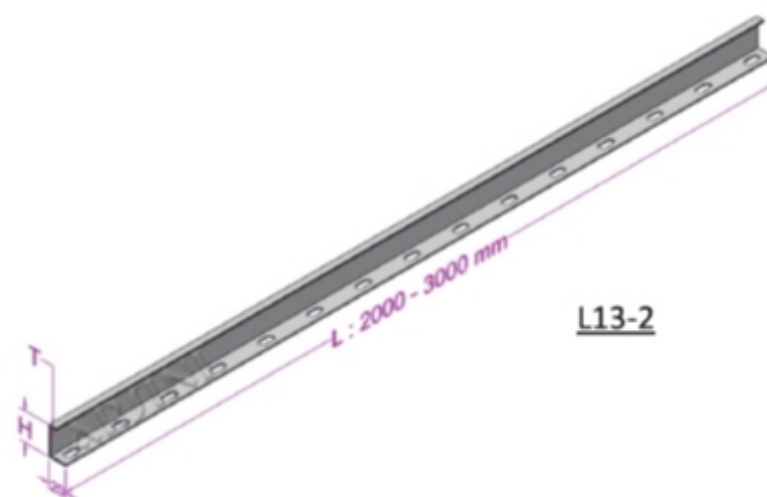
13- Separator (Divider)

NOTES:

1. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored

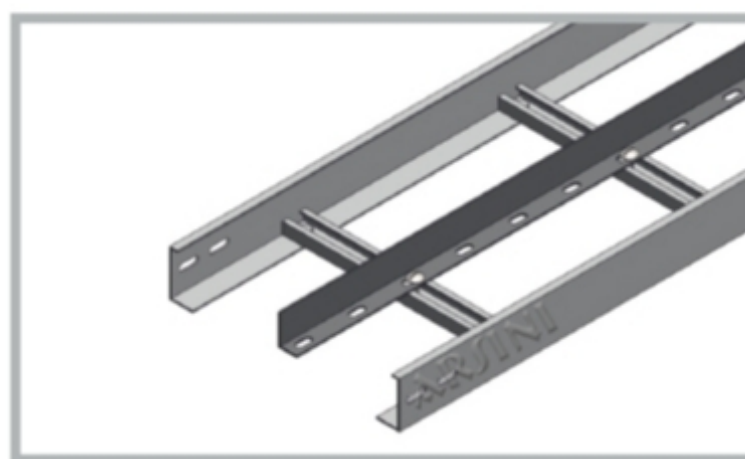


L13-1

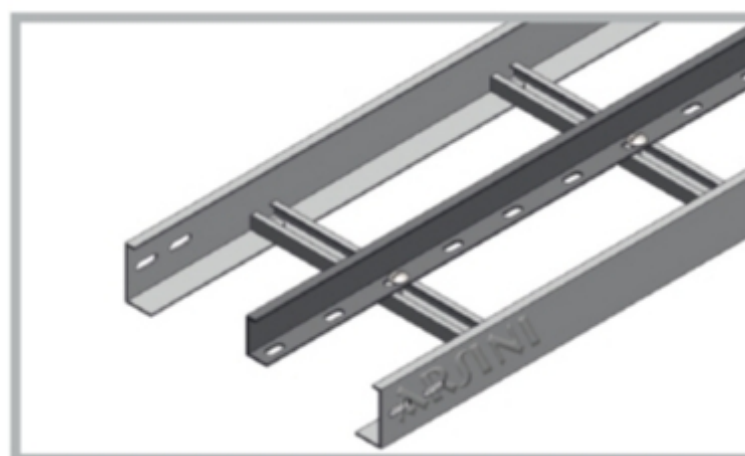


L13-2

ORDER CODE	L mm	H mm	T mm
L13-1HT-?	2000-3000	34-44-54-84-134	1.25 - 1.5 - 2
L13-2HT-?	2000-3000	34-44-54-84-134	1.25 - 1.5 - 2



Connection Example

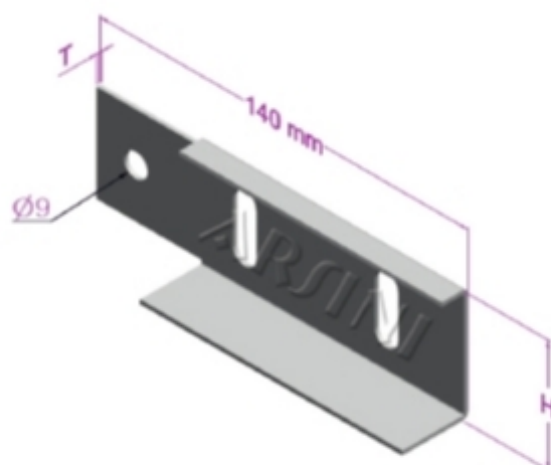


Connection Example

14- Adjustable straight joint unit

NOTES:

1. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	L mm	H mm	T mm
L14-HT-?	140	50-60-70-100-150	1.25 - 1.5 - 2

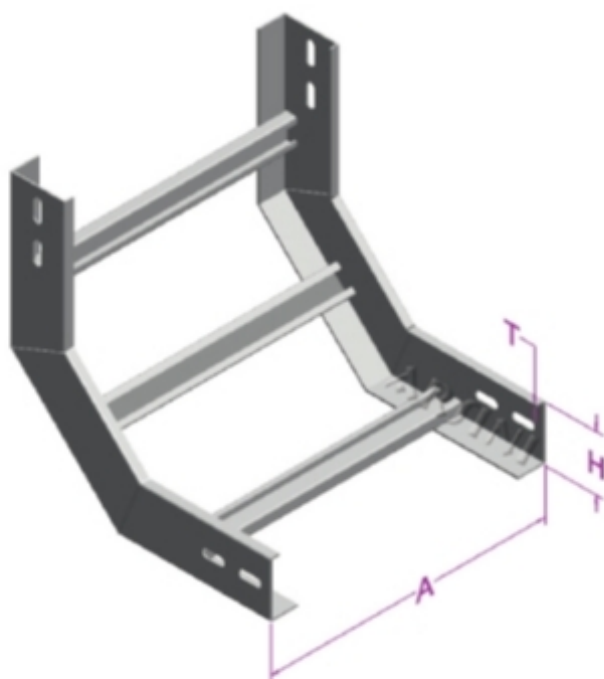


Connection Example

15- Inside vertical bend 90 degree

NOTES:

1. Each inside vertical bend need 4 pcs straight connector.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L15-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L15-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L15-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L15-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L15-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L15-40HT-?	400	50-60-70-100-150	1.5 - 2
L15-50HT-?	500	50-60-70-100-150	1.5 - 2
L15-60HT-?	600	50-60-70-100-150	1.5 - 2
L15-70HT-?	700	50-60-70-100-150	2
L15-80HT-?	800	50-60-70-100-150	2
L15-90HT-?	900	50-60-70-100-150	2
L15-100HT-?	1000	50-60-70-100-150	2

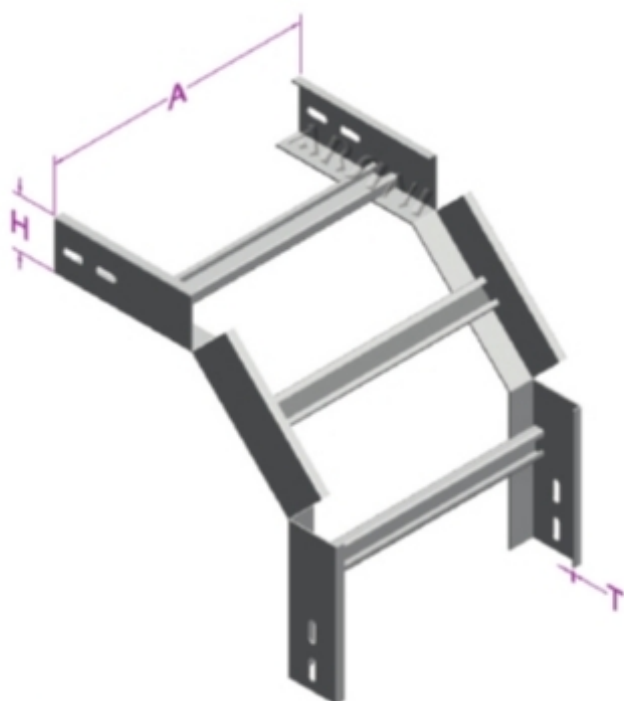


Connection Example

16- Outside vertical bend 90 degree

NOTES:

1. Each outside vertical bend need 4 pcs straight connector.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L16-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L16-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L16-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L16-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L16-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L16-40HT-?	400	50-60-70-100-150	1.5 - 2
L16-50HT-?	500	50-60-70-100-150	1.5 - 2
L16-60HT-?	600	50-60-70-100-150	1.5 - 2
L16-70HT-?	700	50-60-70-100-150	2
L16-80HT-?	800	50-60-70-100-150	2
L16-90HT-?	900	50-60-70-100-150	2
L16-100HT-?	1000	50-60-70-100-150	2



Connection Example

17- Inside vertical bend 90 degree

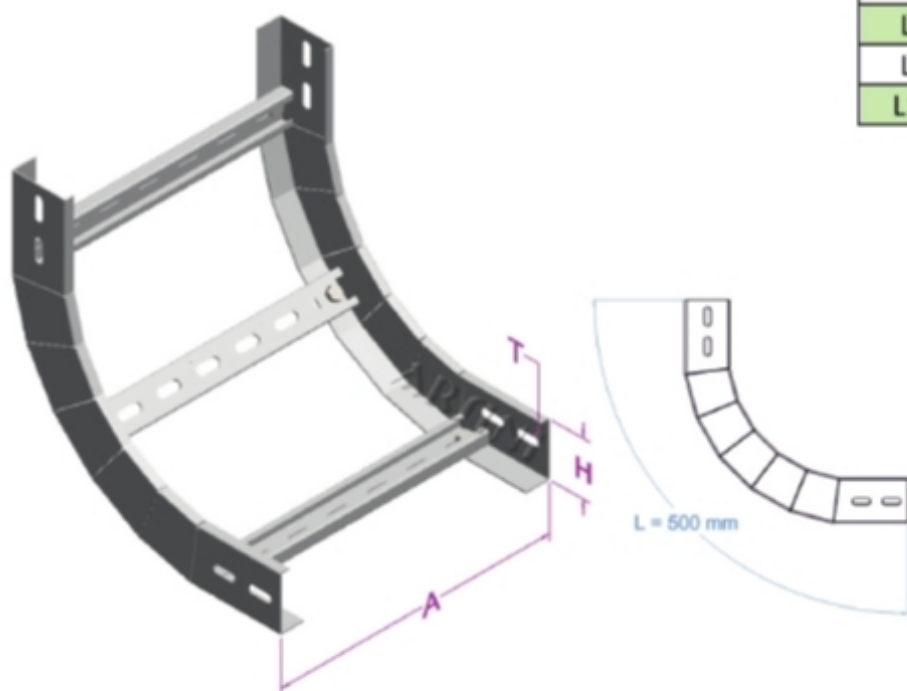
NOTES:

1. Each inside vertical bend need 4 pcs straight connector.

2. (?) → H.D.G: Hot dip galvanized

P.G: Pre galvanized

C: Colored



ORDER CODE	A mm	H mm	T mm
L17-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L17-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L17-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L17-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L17-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L17-40HT-?	400	50-60-70-100-150	1.5 - 2
L17-50HT-?	500	50-60-70-100-150	1.5 - 2
L17-60HT-?	600	50-60-70-100-150	1.5 - 2
L17-70HT-?	700	50-60-70-100-150	2
L17-80HT-?	800	50-60-70-100-150	2
L17-90HT-?	900	50-60-70-100-150	2
L17-100HT-?	1000	50-60-70-100-150	2



Connection Example

18- Outside vertical bend 90 degree

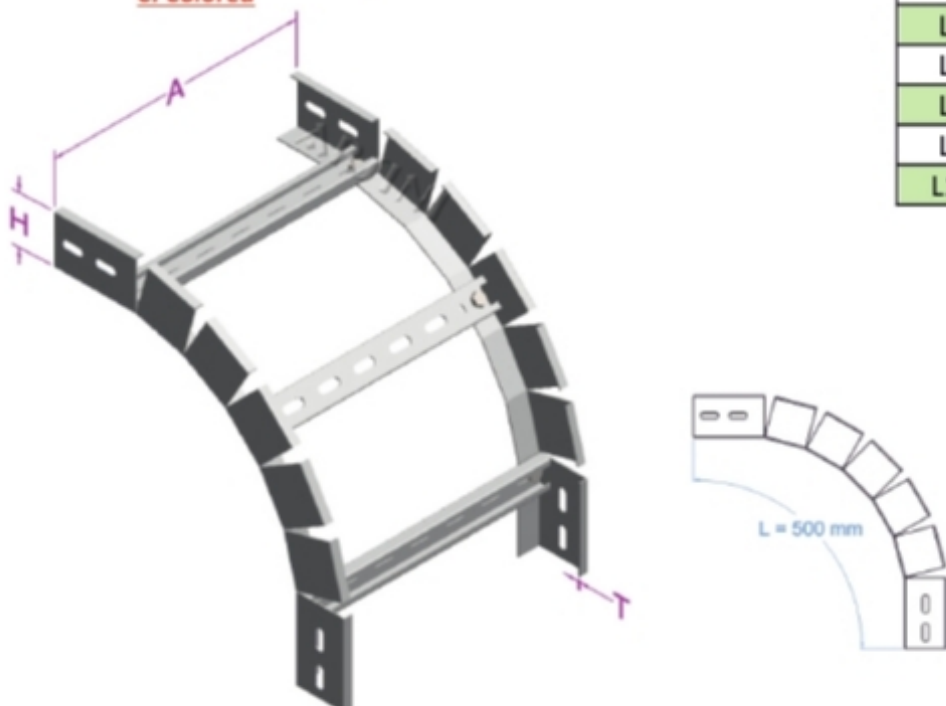
NOTES:

1. Each outside vertical bend need 4 pcs straight connector.

2. (?) → H.D.G: Hot dip galvanized

P.G: Pre galvanized

C: Colored

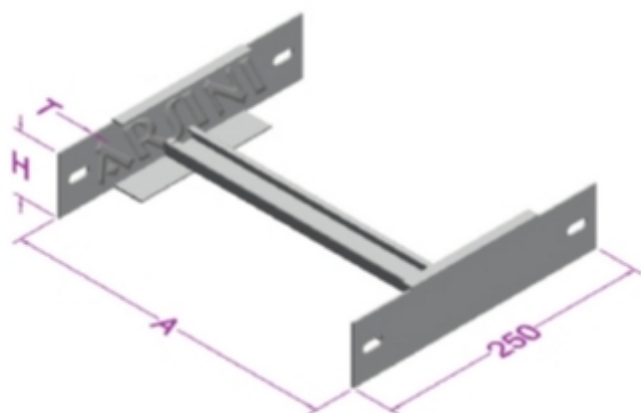


ORDER CODE	A mm	H mm	T mm
L18-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L18-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L18-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L18-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L18-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L18-40HT-?	400	50-60-70-100-150	1.5 - 2
L18-50HT-?	500	50-60-70-100-150	1.5 - 2
L18-60HT-?	600	50-60-70-100-150	1.5 - 2
L18-70HT-?	700	50-60-70-100-150	2
L18-80HT-?	800	50-60-70-100-150	2
L18-90HT-?	900	50-60-70-100-150	2
L18-100HT-?	1000	50-60-70-100-150	2



Connection Example

19- Adjustable vertical bend unit



ORDER CODE	A mm	H mm	T mm
L19-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L19-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L19-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L19-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L19-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L19-40HT-?	400	50-60-70-100-150	1.5 - 2
L19-50HT-?	500	50-60-70-100-150	1.5 - 2
L19-60HT-?	600	50-60-70-100-150	1.5 - 2
L19-70HT-?	700	50-60-70-100-150	2
L19-80HT-?	800	50-60-70-100-150	2
L19-90HT-?	900	50-60-70-100-150	2
L19-100HT-?	1000	50-60-70-100-150	2



Connection Example

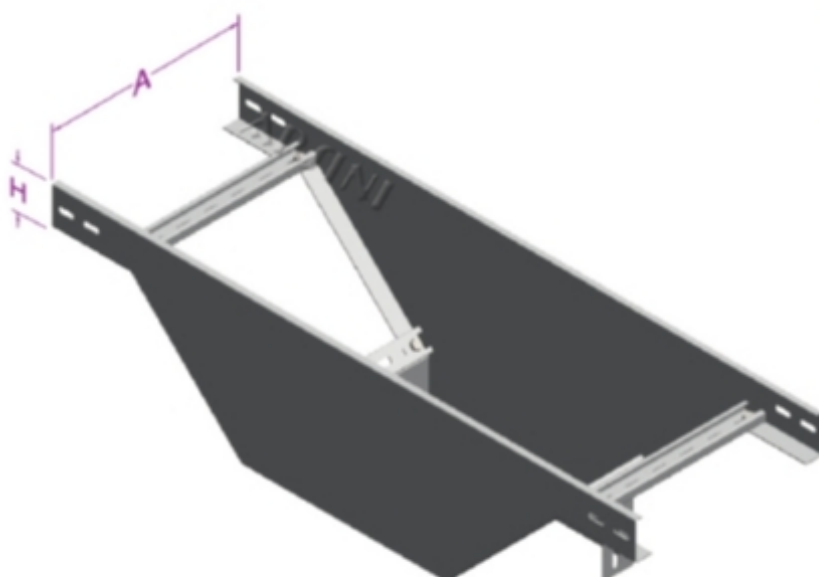
NOTES:
 1. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



Connection Example

20- Vertical tee

NOTES:
 1. Each vertical tee need 4 pcs straight connector.
 2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L20-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L20-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L20-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L20-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L20-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L20-40HT-?	400	50-60-70-100-150	1.5 - 2
L20-50HT-?	500	50-60-70-100-150	1.5 - 2
L20-60HT-?	600	50-60-70-100-150	1.5 - 2
L20-70HT-?	700	50-60-70-100-150	2
L20-80HT-?	800	50-60-70-100-150	2
L20-90HT-?	900	50-60-70-100-150	2
L20-100HT-?	1000	50-60-70-100-150	2

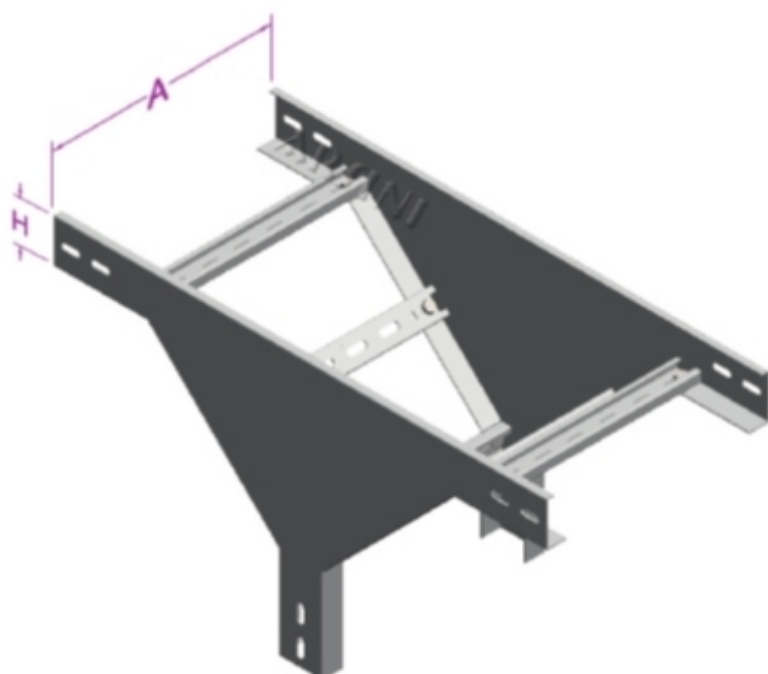


Connection Example

21- Vertical tee (Middle)

NOTES:

1. Each vertical tee need 6 pcs straight connector.
2. (?) → H.D.G: Hot dip galvanized
P.G: Pre galvanized
C: Colored



ORDER CODE	A mm	H mm	T mm
L21-10HT-?	100	50-60-70-100-150	1.25 - 1.5 - 2
L21-15HT-?	150	50-60-70-100-150	1.25 - 1.5 - 2
L21-20HT-?	200	50-60-70-100-150	1.25 - 1.5 - 2
L21-25HT-?	250	50-60-70-100-150	1.25 - 1.5 - 2
L21-30HT-?	300	50-60-70-100-150	1.25 - 1.5 - 2
L21-40HT-?	400	50-60-70-100-150	1.5 - 2
L21-50HT-?	500	50-60-70-100-150	1.5 - 2
L21-60HT-?	600	50-60-70-100-150	1.5 - 2
L21-70HT-?	700	50-60-70-100-150	2
L21-80HT-?	800	50-60-70-100-150	2
L21-90HT-?	900	50-60-70-100-150	2
L21-100HT-?	1000	50-60-70-100-150	2



Connection Example

22- Bolts & Nuts & Washers



22-1



22-2



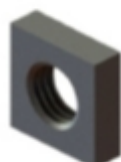
22-3



22-4



22-5



22-6



22-7



22-8

ORDER CODE	(Ø)D mm	L mm	Description
22-1-6	M6	16 - 20	Slotted Truss Head
22-1-8	M8	16 - 20	Slotted Truss Head
22-2-6	M6	16 - 20	Hex Screw
22-2-8	M8	16 - 20	Hex Screw
22-3-6	M6	16 - 20	Cup Head Square Neck
22-3-8	M8	16 - 20	Cup Head Square Neck
22-4-6	M6	16	Flat Washer
22-4-8	M8	20	Flat Washer
22-5-6	M6	16	Spring Lock Washer
22-5-8	M8	20	Spring Lock Washer
22-6-6	M6		Square Nut
22-6-8	M8		Square Nut
22-7-6	M6		Hex Nut
22-7-8	M8		Hex Nut
22-8-6	M6		Hex Flange Nut
22-8-8	M8		Hex Flange Nut

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