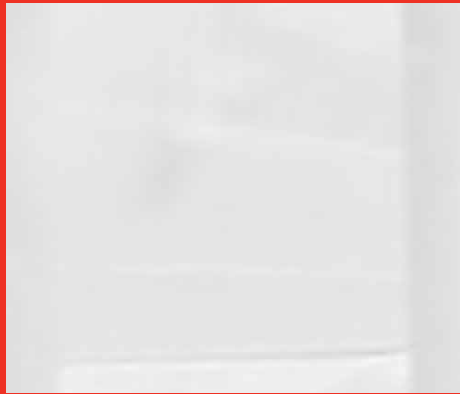
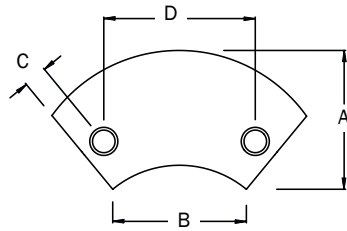


FastClamp[®]



New Products

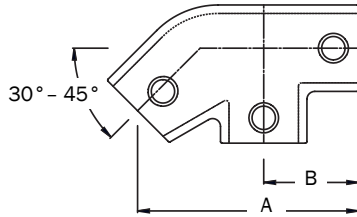
C05A Variable Elbow (11° to 30°)



Type	Tube Size	A	B	C	D	Kg
C05AG32	42.4	84	84	16	92	0.82
C05AG40	48.3	94	94	16	102	1.01

The variable elbow is designed to make joints at an angle of between 11° & 30°.

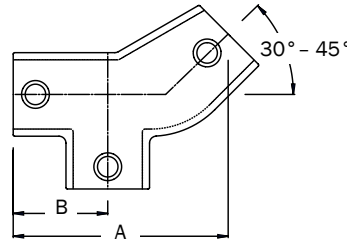
C041 Level to Sloping Down Tee (30° to 45°)



Type	Tube Size	A	B	Kg
C041G32	42.4	142	60	1.02
C041G40	48.3	154	68	1.12

Used to form a Tee on handrails where the rail changes from level to sloping down the stairs. Adjustable between 30° & 45°.

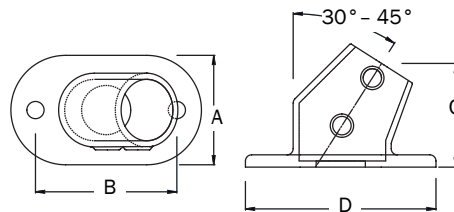
C042 Level to Sloping Up Tee (30° to 45°)



Type	Tube Size	A	B	Kg
C042G32	42.4	142	60	1.02
C042G40	48.3	154	68	1.12

Used to form a Tee on handrails where the rail changes from level to sloping up the stairs. Adjustable between 30° & 45°.

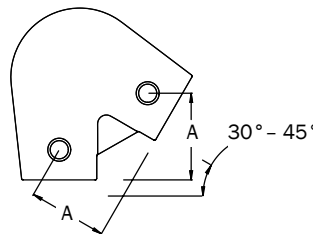
C59A Angle Base Flange (30° to 45°)



Type	Tube Size	A	B	C	D	Kg
C59AG32	42.4	76	106	81	138	1.17
C59AG40	48.3	89	115	85	155	1.53

Similar to a type C59, it is used to set the upright at an angle between 30° & 45°. This fitting should only be subjected to light loads which cannot be positioned at 90° to the applied load. For greater load use a type C12.

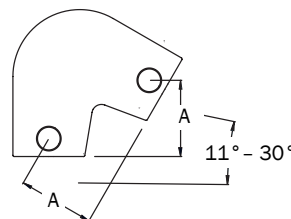
C72 Acute Angle Elbow (30° to 45°)



Type	Tube Size	A	Kg
C72G32	42.4	59	0.98
C72G40	48.3	68	1.45

Used when a junction between a sloping tube and an end post is required i.e. guardrail on staircases between 30° & 45°.

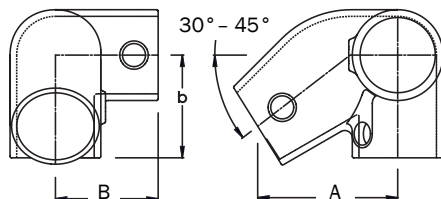
C72A Acute Angle Elbow (11° to 30°)



Type	Tube Size	A	Kg
C72AG32	42.4	58	0.94
C72AG40	48.3	63	1.12

The C72A is used as an alternative to bending, or when a junction between a sloping tube and an end post is required i.e. guardrail on staircases between 11° & 30°.

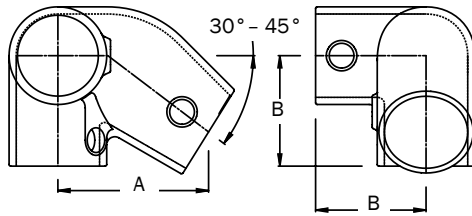
C201LH Left hand Level to Sloping Down Side Outlet Elbow (30° to 45°)



Type	Tube Size	A	B	Kg
C201LHG32	42.4	86	60	1.08
C201LHG40	48.3	93	68	1.28

Used to form a Left Hand Side Outlet Elbow on handrails where the top rail changes from level to sloping down the stairs. Adjustable between 30° & 45°.

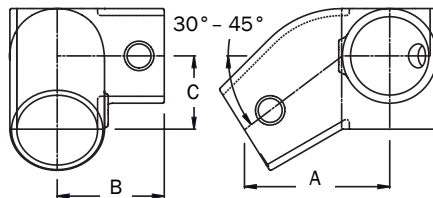
C201RH Right hand Level to Sloping Down Side Outlet Elbow (30° to 45°)



Type	Tube Size	A	B	Kg
C201RHG32	42.4	86	60	1.08
C201RHG40	48.3	93	68	1.28

Used to form a Right Hand Side Outlet Elbow on handrails where the top rail changes from level to sloping down the stairs. Adjustable between 30° & 45°

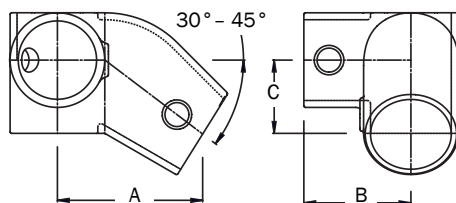
C211LH Left hand Level to Sloping Down Side Outlet Tee (30° to 45°)



Type	Tube Size	A	B	C	Kg
C211LHG32	42.4	86	60	42	0.96
C211LHG40	48.3	92	68	47	1.12

Used to form a Left Hand Side Outlet Tee on hand-rails where the mid rail changes from level to sloping down the stairs. Adjustable between 30° & 45°

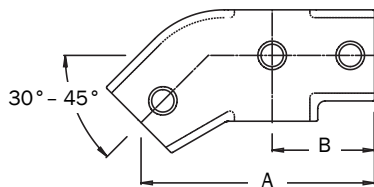
C211RH Right hand Level to Sloping Down Side Outlet Tee (30° to 45°)



Type	Tube Size	A	B	C	Kg
C211RHG32	42.4	86	60	42	0.96
C211RHG40	48.3	92	68	47	1.12

Used to form a Right hand Side Outlet Tee on hand-rails where the mid rail changes from level to sloping down the stairs. Adjustable between 30° & 45°

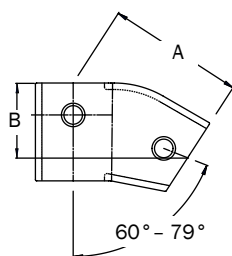
C221 Level to Sloping Down / Up Cross (30° to 45°)



Type	Tube Size	A	B	Kg
C221G32	42.4	142	60	0.82
C221G40	48.3	154	68	0.95

Used to form a cross on handrails where the mid rail changes from either level to sloping down or level to sloping up the stairs. Adjustable between 30° & 45°.

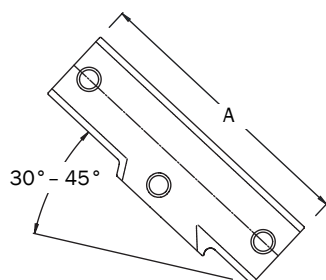
C229 Single Socket Tee (11° to 30°)



Type	Tube Size	A	B	Kg
C229G32	42.4	99	54	0.73
C229G40	48.3	109	59	0.86

The adjustable Short Tee fitting will accommodate any rake angle from 11° to 30°. It can be used for any Tee Joint to make an angle of between 11° & 30°.

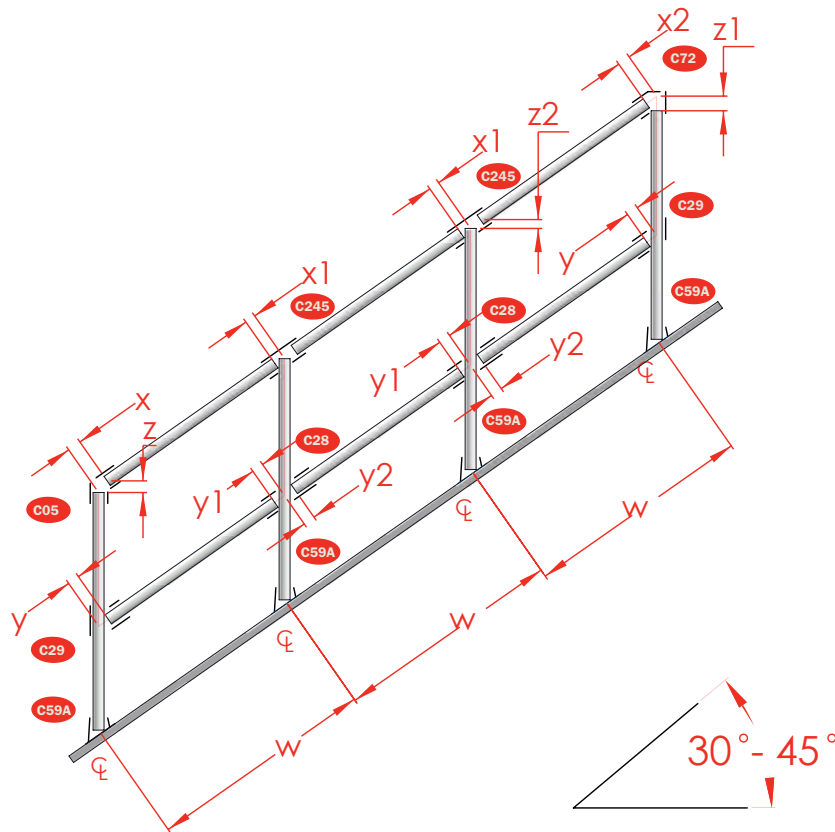
C245 Three Socket Tee (30° to 45°)



Type	Tube Size	A	Kg
C245G32	42.4	180	0.95
C245G40	48.3	216	1.22

This fitting is used on Safety Railing with slopes between 30° & 45° and fixes the top rail to a vertical intermediate upright

How to calculate correct tube cutting length using types C05, C245, C28, C59A, C72 & C29 on slopes between 30° to 45°



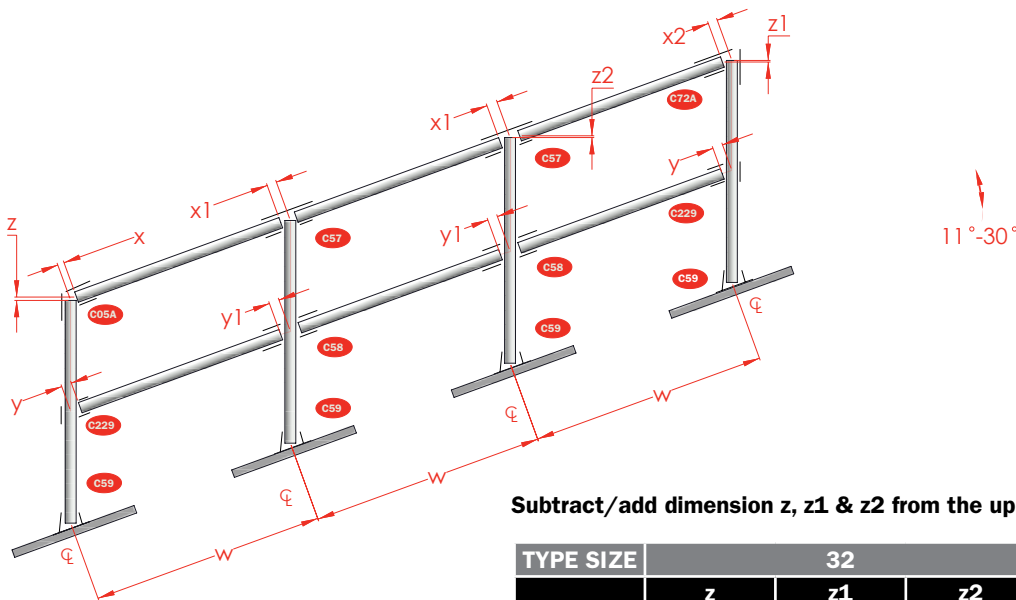
Subtract/add dimension z, z1 & z2 from the upright height

TYPE SIZE	32			40		
	z	z1	z2	z	z1	z2
30°	-17	-48	+5	-27	-47	+6
35°	-16	-59	+5	-21	-53	+6
40°	-8	-69	+5	-14	-68	+6
55°	-2	-80	+5	-5	-79	-4

Subtract dimension x, x1,x2,y or y1 form upright centres (w). Please note the upright centres must be measured on the slope

TYPE SIZE	32					40				
	x	x1	x2	y	y1	x	x1	x2	y	y1
30°	-20	-39	-55	-37	-49	-17	-42	-48	-43	-64
35°	-16	-44	-61	-40	-50	-18	-46	-60	-47	-64
40°	-20	-47	-71	-45	-51	-21	-52	-65	-52	-64
45°	-26	-50	-85	-51	-51	-26	-58	-60	-59	-64

How to calculate correct tube cutting length using types C05A, C57, C58, C59A, C72A & C229 on slopes between 11° to 30°



Subtract/add dimension z, z1 & z2 from the upright height

TYPE SIZE	32			40		
	z	z1	z2	z	z1	z2
11°	-10	-28	+7	-20	-34	+6
15°	-11	-25	+7	-25	-29	+6
20°	-13	-34	+7	-21	-39	+6
25°	-15	-43	+7	-22	-50	+6
30°	-18	-53	+7	-4	-61	+6

x Dimensions to be added/subtracted from upright height

Subtract dimension x, x1, x2, y or y1 from upright centres (w). Please note the upright centres must be measured on the slope

TYPE SIZE	32					40				
	x	x1	x2	y	y1	x	x1	x2	y	y1
11°	-25	-26	-35	-52	-26	-26	-29	-35	-51	-29
15°	-21	-28	-46	-53	-58	-22	-31	-47	-52	-31
20°	-16	-30	-48	-55	-30	-20	-34	-50	-54	-34
25°	-15	-33	-52	-59	-33	-14	-38	-54	-57	-38
30°	-8	-37	-57	-64	-42	-29	-42	-60	-62	-42

How to calculate correct tube cutting length using types C041, C042, C12 & C221 on slopes between 30° to 45°

Subtract dimension x to determine rail size on level

TYPE SIZE	32	40
	x	x
35-45°	-21	-24

y Dimensions to be subtracted from upright centres

Please note upright centres must be measured on the slope

TYPE SIZE	32	40
	y	y
30°	-47	-57
35°	-52	-62
40°	-59	-69
35°	-68	-79

