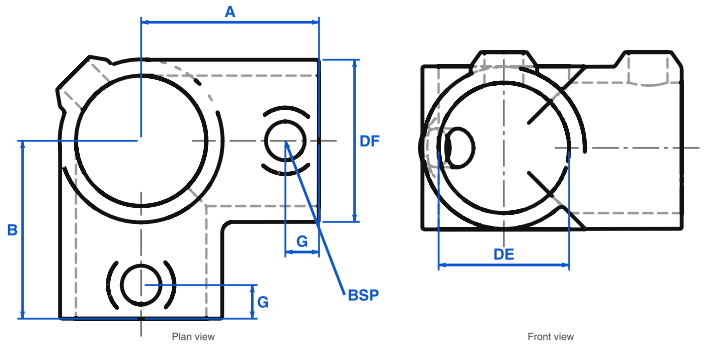
116 3 Way Through

Key clamp fitting for tubular handrails, barriers and frames

Tube sizes
27mm · 34mm · 42mm · 48mm · 60mm

A 90° corner joint with the upright passing through. Typically used on a 90° corner to continue the middle rail. Can be used to build square or rectangular structures.





One drawing serves every size. Letters match the table below.

SIZES AND DATA

		27mm A27	34mm B34	42mm C42	48mm D48	60mm E60
Part number		**116-A27**	**116-B34**	**116-C42**	**116-D48**	**116-E60**
Fits tube	outside diameter, mm (nominal bore)	26.9 (3/4")	33.7 (1")	42.4 (1 1/4")	48.3 (1 1/2")	60.3 (2")
DIMENSIONS	nominal, mm, as lettered on the drawing					
A	post axis to the end of socket A (along X)	40	48	60	68	86
B	post axis to the end of socket B (along Z)	40	48	60	68	86
DE	bore (inside diameter of the socket, the tube passes in here)	28.5	35	44	50	62
DF	outside diameter of the cast body	38	46	55	60.5	73
G	socket end face to the socket grub-screw axis	12.5	11	14.5	14.5	14.5
FIXING AND WEIGHT						
Grub screw	BSP thread × length, mm	1/4" × 12.5	1/4" × 12.5	3/8" × 12.7	3/8" × 12.7	3/8" × 12.7
Hex key	across flats	1/4" AF	1/4" AF	5/16" AF	5/16" AF	5/16" AF
Weight	kg, approximate	0.27	0.40	0.61	0.72	1.15
OTHER MAKERS' PART NUMBERS	for comparison					
Kee Klamp		21-5	21-6	21-7	21-8	21-9
Interclamp		116-A27	116-B34	116-C42	116-D48	116-E60
Q Clamp		116-1	116-2	116-3	116-4	116-5
Tubeclamp		116A	116B	116C	116D	116E
FastClamp		C21G20	C21G25	C21G32	C21G40	C21G50
Alvin		A20 size 5	A20 size 6	A20 size 7	A20 size 8	A20 size 9
ORDERING						
Barcode	GTIN	5061091710112	5061091710129	5061091710136	5061091710143	5061091710150
Powder coated	B black, Y yellow, G gold: the letter goes in front, e.g. B116-B34	–	**B Y G**	**B Y**	**B Y**	–

Material: Malleable cast iron (ASTM A197) **Finish:** Hot-dip galvanised **Also stocked, powder coated:** black, gold, yellow

Sizes and weights are nominal figures from the foundry's data. These are galvanised castings, so individual fittings vary and it is normal for one to measure or weigh a little differently. Check the fittings in your hand before cutting tube or drilling fixing holes. Not for use as building or construction scaffolding. The strength of a structure depends on the fittings, tube and fixings chosen and on what it is fixed to. Choosing the right size and type of fitting for the job is the customer's responsibility. If in doubt, ask us.