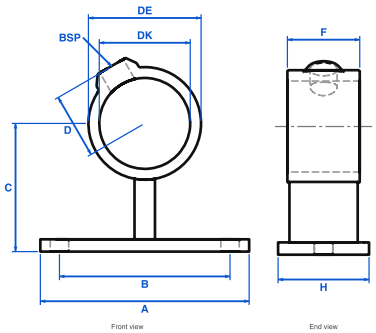
143 Handrail Bracket

Key clamp fitting for tubular handrails, barriers and frames

Tube sizes
27mm · 34mm · 42mm · 48mm

A wall mounting bracket for handrails. Commonly used to run handrails parallel to walls or down stairways unsuitable for floor mounted rails. Also used for storage and display units with shelving boards. Not recommended as a load bearing fixing.





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

SIZES AND DATA

		27mm A27	34mm B34	42mm C42	48mm D48
Part number		**143-A27**	**143-B34**	**143-C42**	**143-D48**
Fits tube	outside diameter, mm (nominal bore)	26.9 (3/4")	33.7 (1")	42.4 (1 1/4")	48.3 (1 1/2")
DIMENSIONS	nominal, mm, as lettered on the drawing				
A	plate length	76	79.5	101	107
B	fixing-hole centres	57	62	82.5	82.5
C	wall face to the handrail axis	54	57	62	70
D	handrail axis to the outer face of the grub-screw boss (along the 30 deg screw axis)	23.3	26.8	31.3	34.3
DE	outside diameter of the handrail ring	37	45.5	54.5	60.5
F	width of the handrail ring (along the rail)	30	35	35	35
DK	bore of the handrail ring	28	35	44	50
H	plate width	44	44	44	50
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
Hex key	across flats	1/4" AF	1/4" AF	5/16" AF	5/16" AF
Weight	kg, approximate	0.29	0.35	0.45	0.56
OTHER MAKERS' PART NUMBERS	for comparison				
Kee Klamp		70-5	70-6	70-7	70-8
Interclamp		143-A27	143-B34	143-C42	143-D48
Q Clamp		143-1	143-2	143-3	143-4
Tubeclamp		143A	143B	143C	143D
FastClamp		C16G20	C16G25	C16G32	C16G40
Alvin		A34 size 5	A34 size 6	A34 size 7	A34 size 8
ORDERING					
Barcode	GTIN	5061091710808	5061091710815	5061091710822	5061091710839
Powder coated	G gold: the letter goes in front, e.g. G143-B34	–	**G**	–	–

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

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.