

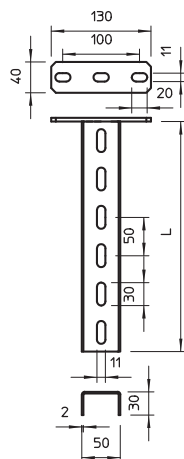
US 3 support



Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate. For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

Type	Length mm	Material thickness mm	Tensile load kN	Pack. pcs	Weight kg/100 pcs.	Item No.
US 3 K 20 FT	200	2	5	1	50,500	6342351
US 3 K 30 FT	300	2	5	1	64,400	6342353
US 3 K 40 FT	400	2	5	1	78,300	6342355
US 3 K 50 FT	500	2	5	1	92,300	6342357
US 3 K 60 FT	600	2	5	1	106,200	6342359
US 3 K 70 FT	700	2	5	1	120,200	6342362
US 3 K 80 FT	800	2	5	1	134,100	6342364
US 3 K 90 FT	900	2	5	1	147,800	6342366
US 3 K 100 FT	1000	2	5	1	162,000	6342368
US 3 K 110 FT	1100	2	5	1	175,900	6342370
US 3 K 120 FT	1200	2	5	1	189,900	6342372

Dimensions



St Steel

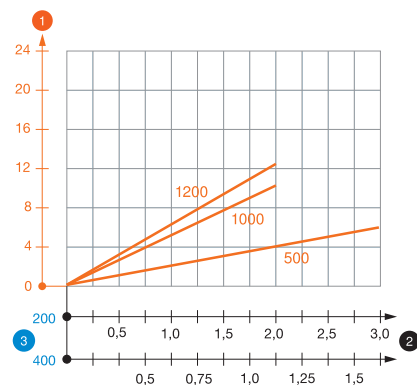
FT Hot-dip galvanised

Authorised Channel Partner



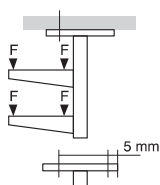
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Load



Load diagram, U support, type US 3 K

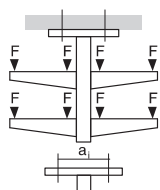
- 1 Bending of the end of the suspended support at permitted bracket load
- 2 Permitted bracket load in kN without man load
- 3 Bracket length in mm
- Load curves with support lengths in mm



Characteristic anchor load values for US 3 K suspended support - Single-sided load

Max. load F [kN]				
Bracket width [mm]	110	210	310	410
Anchor type				
BZ-U 8-10-21/75	2	1,5	1,15	0,9
BZ-U 10-10-30/90	3,5	2,7	2	1,75

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing $a_i = 10$ cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).



Characteristic anchor load values for US 3 K suspended support - Double-sided load

Max. load F [kN]				
Bracket width [mm]	110	210	310	410
Anchor type				
BZ-U 8-10-21/75	3,75	3,25	2,8	2,5
BZ-U 10-10-30/90	5,5	5,8	5	4,5

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing $a_i = 10$ cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).

Characteristic anchor load values for US 3 K suspended support

Single-sided load					
		Max. load F [kN]			
		Bracket width [mm]			
	Anchor type	110	210	310	410
	BZ-U 8-10-21/75	2.00	1.50	1.15	0.90
	BZ-U 10-10-30/90	3.50	2.70	2.00	1.75

Double-sided load					
		Max. load F [kN]			
		Bracket width [mm]			
	Anchor type	110	210	310	410
	BZ-U 8-10-21/75	3.75	3.25	2.80	2.50
	BZ-U 10-10-30/90	5.50	5.80	5.00	4.50

Max. total load F = cable weight + cable tray + bracket + support. The tabular values for double-sided loads take the available axis spacing $a_i = 10$ cm into account. The load capacity values increase considerably when used in uncracked concrete. The values given are based on concrete of strength class C20/25. Observe the installation conditions of the DIBt approval (anchors).