US 3 support

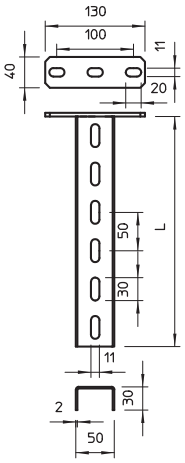
For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.
Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate.

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**

St Steel

FT Hot-dip galvanised

Dimensions



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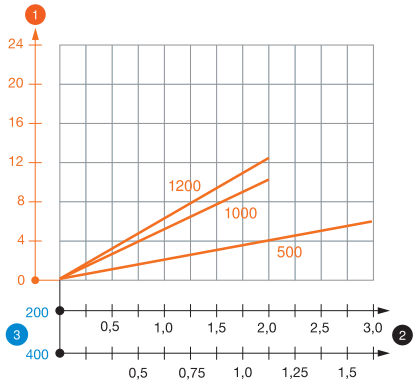
Load

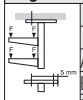


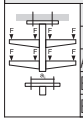
Load diagram, U support, type US 3 K

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]			
	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 ai = 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).