Technical data sheet

US 5 support

Item no. 6341237

Suspended support (U profile) 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 45.

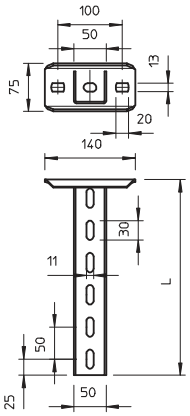
CE US5

VA	Stainless steel, rustproof 1.4571
2B	Bright, reworked

Master data

Item no.	6341237
Type	US 5 K 90 A4
Description 1	Support
Description 2	with welded head plate
Dimension	50x50x900
Material	Stainless steel, material no. 1.4571
Material symbol	A4
Surface	Bright, reworked
Surface symbol	2B
Smallest sales unit (VG)	1 Piece
Weight	280,00 kg/100 pc.

Technical data



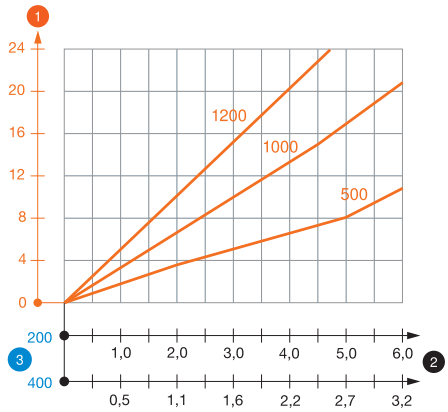
Length	900,00 mm
Dimension	50 x 50 x 2,5 mm
Version	U profile
Bracket length 200	5,75 kN
Bracket length 400	3,10 kN
Bracket length 600	2,20 kN
Suitable for maintaining electrical function	□
Material thickness	2,50 mm
Rustproof steel, pickled	□
Strain relief (dependent on the thickness of the ceiling profile)	10,00 kN

Technical data sheet

US 5 support

Item no. 6341237

Load charts



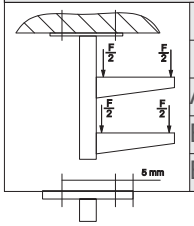
Load diagram, U support, type US 5 K VA

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

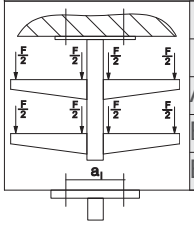
Characteristic anchor load values for US 5 K support

Single-sided load



	Max. load F [kN]			
	Bracket width [mm]			
Anchor type	110	210	310	410
BZ-U 10-10/90	1,30	2,75	2,20	1,80
BZ 70 M12-15/110	5,75	4,75	3,85	3,25

Double-sided load



	Max. load F [kN]					
	Bracket width [mm]					
Anchor type	110	210	310	410	510	610
BZ-U 10-10/90	6,00	5,80	5,00	4,50	3,80	1,75
BZ 70 M12-15/110	10,00	10,00	9,00	8,00	6,75	5,50

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).

Characteristic anchor load values for US 5 K support

T1	Single-sided load				
T2		Max. load F [kN]			
T3		Bracket width [mm]			
T4	Anchor type	110	210	310	410
	BZ-U 10-10/90	1,3	2,75	2,2	1,8
	BZ 70 M12-15/110	5,75	4,75	3,85	3,25