Technical data sheet

US 7 support

Item no. 6338747

Suspended support (U profile) with welded head plate.

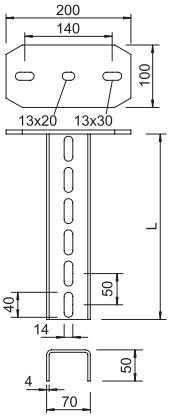
For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 61.

VA	Stainless steel, rustproof 1.4301
2B	Bright, reworked

Master data

Item no.	6338747
Type	US 7 K 150 A2
Description 1	Support
Description 2	with welded head plate
Dimension	70x50x1500
Material	Stainless steel, material no. 1.4301
Material symbol	A2
Surface	Bright, reworked
Surface symbol	2B
Smallest sales unit (VG)	1 Piece
Weight	690,00 kg/100 pc.

Technical data



Length	1.500,00 mm
Width	70,00 mm
Height	50,00 mm
Dimension	70 x 50 x 4 mm
Version	U profile
Bracket length 200	8,30 kN
Bracket length 400	5,00 kN
Bracket length 600	3,50 kN
Type of perforation	3 sides perforated
Suitable for maintaining electrical function	☐
Material thickness	4,00 mm
Rustproof steel, pickled	☑
Strain relief (dependent on the thickness of the ceiling profile)	11,00 kN

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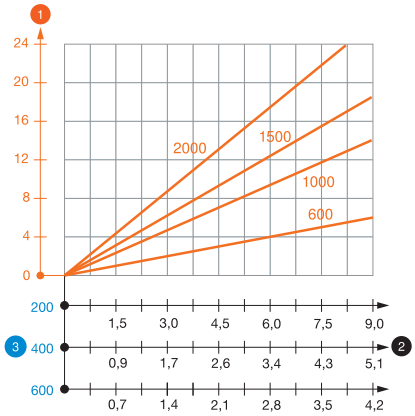
Load charts



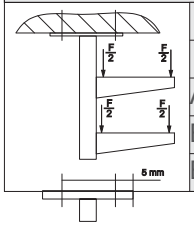
Load diagram, U support, type US 7 K VA

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

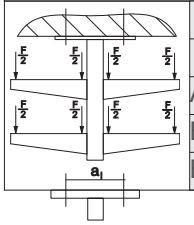
Characteristic anchor load values for U support, type US 7 K

Single-sided load



	Max. load F [kN]					
	Bracket width [mm]					
Anchor type	110	210	310	410	510	610
BZ-U 10-10/90	4,25	3,25	1,50	2,25	2,00	1,75
BZ 70 M12-15/110	7,25	5,50	4,50	4,00	3,50	3,00

Double-sided load



	Max. load F [kN]					
	Bracket width [mm]					
Anchor type	110	210	310	410	510	610
BZ-U 10-10/90	7,25	6,25	5,75	5,25	4,80	4,50
BZ 70 M12-15/110	11,00	11,00	10,00	9,00	8,50	8,00

Max. total load F = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing ai = 14 cm into account. The load capacity values increase considerably when used in uncracked concrete. The specified values are based on concrete of resistance class C20/25. Comply with the installation conditions of the DIBt approval (anchors).

Characteristic anchor load values for U support, type US 7 K

T1	Single-sided load						
T2		Max. load F [kN]					
T3		Bracket width [mm]					
T4	Anchor type	110	210	310	410	510	610
	BZ-U 10-10/90	4,25	3,25	1,5	2,25	2	1,75
	BZ 70 M12-15/110	7,25	5,5	4,5	4	3,5	3