Technical data sheet

US 3 support

Item no. 6342397

Suspended support (U profile) of dimensions 50 x 30 mm with welded head plate.

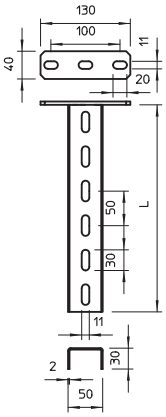
For fastening to horizontal concrete ceilings and steel girders. For bracket widths of 400 mm or more, or if the bracket is mounted at the end of a suspended support, we recommend the use of the spacer, type DSK 25.

VA	Stainless steel, rustproof 1.4571
2B	Bright, reworked

Master data

Item no.	6342397
Type	US 3 K 100 A4
Description 1	Support
Description 2	with welded head plate
Dimension	50x30x1000
Material	Stainless steel, material no. 1.4571
Material symbol	A4
Surface	Bright, reworked
Surface symbol	2B
Smallest sales unit (VG)	1 Piece
Weight	150,00 kg/100 pc.

Technical data



Length	1.000,00 mm
Width	30,00 mm
Height	50,00 mm
Dimension	30 x 50 x 2,5 mm
Version	U profile
Bracket length 200	2,10 kN
Bracket length 400	1,10 kN
Suitable for maintaining electrical function	☐
Material thickness	2,00 mm
Rustproof steel, pickled	☑
Strain relief (dependent on the thickness of the ceiling profile)	5,00 kN

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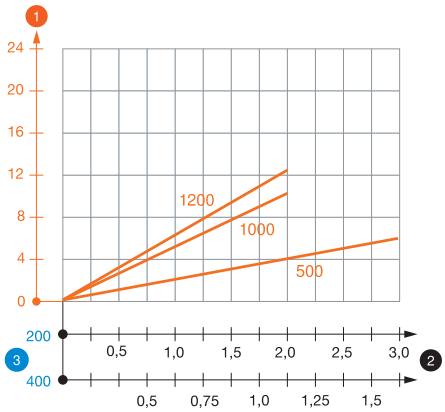
Load charts



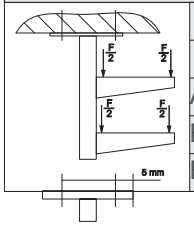
Load diagram, U support, type US 3 K

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

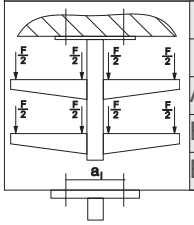
Characteristic anchor load values for US 3 K suspended support

Single-sided load



	Max. load F [kN]			
	Bracket width [mm]			
Anchor type	110	210	310	410
BZ-U 8-10/75	2,00	1,50	1,15	0,90
BZ-U 10-10/90	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 8-10/75	1,30	3,25	2,80	1,50
BZ-U 10-10/90	6,00	5,80	5,00	4,50

Max. total load F = cable weight + cable tray + bracket + suspended 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 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 US 3 K suspended support

T1	Single-sided load				
T2		Max. load F [kN]			
T3		Bracket width [mm]			
T4	Anchor type	110	210	310	410
	BZ-U 8-10/75	2	1,5	1,15	0,9
	BZ-U 10-10/90	3,5	2,7	2	1,75