

# Technical data sheet

## US 7 support

Item no. 6339298



Suspended support (U profile) of dimensions 70 x 50 mm with welded head plate.



St	Steel
FT	Hot-dip galvanised

Additional product text, instruction	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.
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### Master data

Item no.	6339298
Type	US 7 K 200 FT
Description 1	Support
Description 2	with welded head plate
Dimension	70x50x2000
Material	Steel
Material symbol	St
Surface	Hot-dip galvanised
Surface to DIN	DIN EN ISO 1461
Surface symbol	FT
Smallest sales unit (VG)	1,00 Piece
Weight	879,72 kg/100 pc.

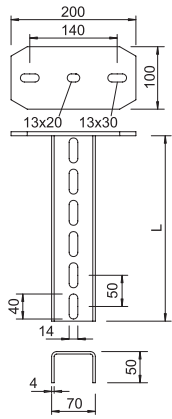
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## US 7 support

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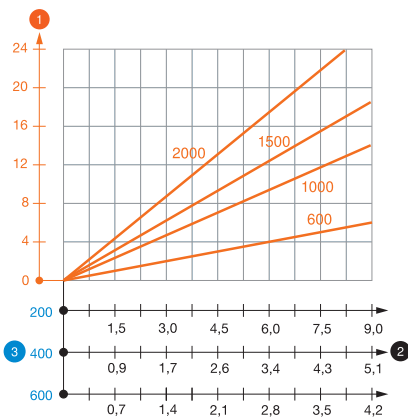


### Technical data



Length	2.000,00 mm
Width	70,00 mm
Height	50,00 mm
Dimension L	2.000,00 mm
Dimension	70 x 50 x 4 mm
Version	U profile
Bracket length 200	7,50 kN
Bracket length 400	4,20 kN
Bracket length 600	2,90 kN
EPD article	<input checked="" type="checkbox"/>
Suitable for maintaining electrical function	<input checked="" type="checkbox"/>
Material thickness	4,00 mm
Rustproof steel, pickled	<input type="checkbox"/>
Strain relief (dependent on the thickness of the ceiling profile)	11,00 kN

### Load charts



Load values heading\_Characteristic anchor values  
Footnote, load table

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

Max. total load  $F$  = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing  $a_i = 14$  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).

Heading, load table

Single-sided bracket load

Load diagram, U support, type US 7 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 U support, type US 7 K

#### Single-sided load

Anchor type	Max. load $F$ [kN]					
	Bracket width [mm]					
	110	210	310	410	510	610
BZ-U 10-10-30/90	4,25	3,25	1,50	2,25	2,00	1,75
BZ 12-15-35/110	7,25	5,50	4,50	4,00	3,50	3,00

#### Double-sided load

Anchor type	Max. load $F$ [kN]					
	Bracket width [mm]					
	110	210	310	410	510	610
BZ-U 10-10-30/90	7,25	6,25	5,75	5,25	4,80	4,50
BZ 12-15-35/110	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  $a_i = 14$  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 10-10-30/90	4,25	3,25	1,5	2,25	2	1,75
	BZ 12-15-35/110	7,25	5,5	4,5	4	3,5	3