

Technical data sheet

US 7 suspended support FT SOMY

Item number: 7193661



U support in fixed lengths. Dimensions 70 x 50 mm.

In the case of bracket mounting on both sides, or when mounting the bracket at the end of the support, use the spacer of type DSK 61. The surface coating is a coating created in a single-dip method with extra-high zinc thicknesses.



St	Steel
FT SO	Hot-dip galvanised 85 µm

Master data

Item number	7193661
Type	US 7 K 100 FT SO
Description 1	Support
Description 2	with welded head plate
Manufacturer	OBO
Dimension	70x50x1000
Colour	zinc
Material	Steel
Surface	Hot-dip galvanised 85 µm
Surface standard	DIN EN ISO 1461
Smallest sales unit	1
Unit of quantity	Piece
Weight	518 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	13,887 kg CO2e / 1 Piece

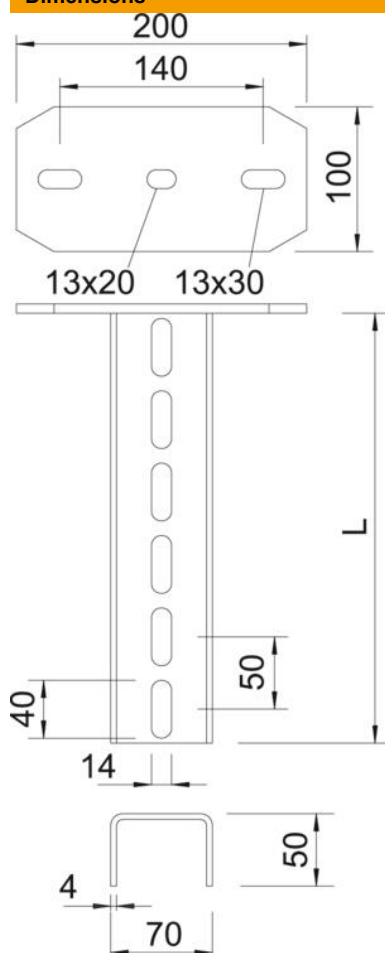
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Dimensions



Length	1,000 mm
Width	70 mm
Height	50 mm

Technical data

Version for	U profile
Bracket length 200	8.3 kN
Bracket length 400	5 kN
Bracket length 600	3.5 kN
Maintain electrical functions	no
Material thickness	4 mm
Maximum tensile load	11 kN

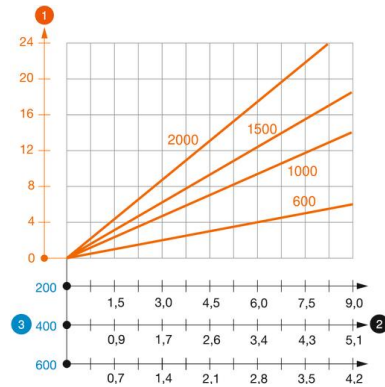
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Loads



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

Anchor type	Single-sided load					
	Max. load [kN]					
	Bracket width [mm]					
	110%	210	310	410	510	610
BZ3 10x90/0-30	3.97	3.03	2.44	2.04	1.76	1.54
BZ3 12x110/0-35	5.16	3.90	3.15	2.64	2.27	1.99

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).