

# Technical data sheet

## US 3 support FT

Item number: 6342351



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.



**St** Steel

**FT** Hot-dip galvanised

### Master data

Item number	6342351
Type	US 3 K 20 FT
Description 1	Support
Description 2	with welded head plate
Manufacturer	OBO
Dimension	50x30x200
Colour	zinc
Material	Steel
Surface	Hot-dip galvanised
Surface standard	DIN EN ISO 1461
Smallest sales unit	1
Unit of quantity	Piece
Weight	50.5 kg
Weight unit	kg/100 pc.
CO2 Footprint (GWP) Cradle-to-Gate	1,18 kg CO2e / 1 Piece

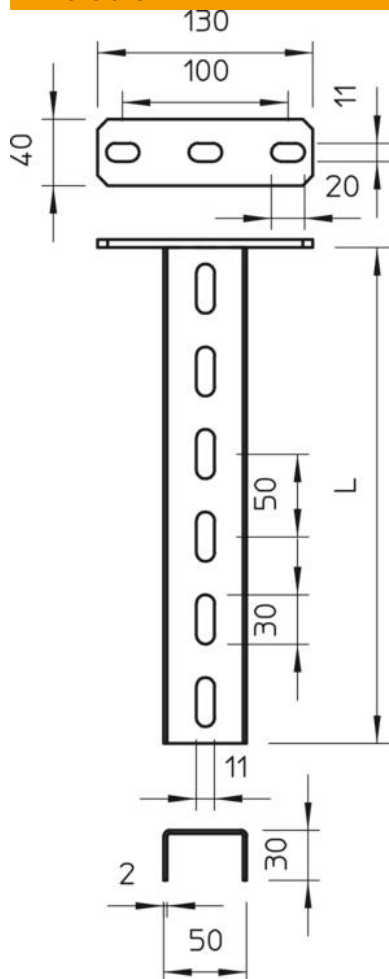
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### Dimensions

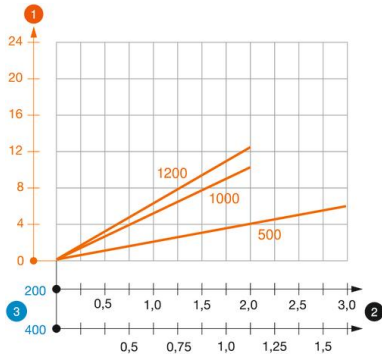


Length	200 mm
Length	0.65 ft
Width	50 mm
Height	30 mm
Plate thickness	0.08 in
Dimension L	200 mm

### Technical data

Version for	U profile
Bracket length 200	2.7 kN
Bracket length 400	1.5 kN
Maintain electrical functions	yes
Material thickness	2 mm
Maximum tensile load	5 kN
With tothing	no

### Loads



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

Anchor type	Max. load [kN]			
	Bracket width [mm]			
	110%	210	310	410
BZ-U 8-10-21/75	2.18	1.59	1.25	1.02
BZ3 10x90/0-30	3.05	2.00	1.49	1.18

Max. total load  $F$  = cable weight + cable tray + bracket + suspended support. The tabular values for double-sided loads take the available axis spacing  $a_i = 10$  cm into account. The stated values are based on uncracked concrete of compressive strength C20/25. Please comply with the installation conditions of ETA(anchors).