



**Steel quality**

Steel: s235/s355 + hot-dip galvanized acc. EN ISO 1461  
 U-bolts: s355 FZV  
 Threaded rods: 8.8 FZV

**Performance**

This data sheet covers diameter from ø711mm to ø3000mm  
 This data sheet covers offset from 75mm to 300mm  
 Max installation on hoops: 6 support poles  
 Max vertical load from equipment per pole: 175kg  
 Max vertical load from equipment total: 525kg  
 Max horizontal load from equipment per pole incl safety factor: 5,1kN  
 Max horizontal load from equipment total incl safety factor: 15,3kN  
 Max wind load area per pole incl form factor (C x A): 1,7m<sup>2</sup>  
 Max wind load area total incl form factor (C x A): 5,1m<sup>2</sup>  
 Max installation height: 70meter  
 Terrain classification: TC1  
 Reference wind speed: 27m/s  
 M10 nut tightening torque: 30Nm  
 M10 2nd nut tightening torque: 47Nm  
 M12 nut tightening torque: 45Nm  
 M12 2nd nut tightening torque: 60Nm  
 M16 nut tightening torque: 80Nm  
 M16 2nd nut tightening torque: 197Nm

Installation and maintenance guides are available on our website [www.telecomsteel.com](http://www.telecomsteel.com)

Basis for structural design is according to EN 1990:2007 and Danish National Annex DS/EN 1990/NA.

Manufacturing of the structure is carried out in accordance with Execution Class EXC2 as per EN 1090-1+A1:2012 and EN 1090-2:2018.

Governing environmental loading is assessed as wind load, and actions on structures are determined according to EN 1991-1-4 and Danish National Annex DS/EN 1991-1-4/NA. CE marking is performed in accordance with the Construction Products Regulation (CPR).

All listed item numbers are variants with 3 arms and ends with "3".

Variants with 1 arm are also available and ends with "1".

Variants with 2 arms are also available and ends with "2".

Size	Item numbers			
	2500mm	3000mm	3500mm	4000mm
Ø711-ø1000mm - 300mm	51003	51013	51023	51033
Ø1001-ø2000mm - 300mm	51043	51053	51063	51073
Ø2001-ø3000mm - 300mm	51083	51093	51103	51113
Ø711-ø1000mm - 75mm	51003-75	51013-75	51023-75	51033-75
Ø1001-ø2000mm - 75mm	51043-75	51053-75	51063-75	51073-75
Ø2001-ø3000mm - 75mm	51083-75	51093-75	51103-75	51113-75
Ø711-ø1000mm - 150mm	51003-150	51013-150	51023-150	51033-150
Ø1001-ø2000mm - 150mm	51043-150	51053-150	51063-150	51073-150
Ø2001-ø3000mm - 150mm	51083-150	51093-150	51103-150	51113-150



Designed by AndersPedersen	Checked by	Approved by	Date	Date 14-12-2025
<b>TELECOMSTEEL</b> DANISH DESIGN & QUALITY			Steel hoops with support poles	
			51003	Revision F