



**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 400mm

Max installation on hoops: 6 support poles

Max vertical load from equipment per pole: 225kg

Max vertical load from equipment total: 787,5kg

Max horizontal load from equipment per pole incl safety factor: 6,75kN

Max horizontal load from equipment total incl safety factor: 22,95kN

Max wind load area per pole incl form factor (C x A): 2,25m<sup>2</sup>

Max wind load area total incl form factor (C x A): 7,65m<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).

Size	Item numbers			
	2500mm	3000mm	3500mm	4000mm
Ø711-Ø1000mm	51203-E	51213-E	51223-E	51233-E
Ø1001-Ø2000mm	51243-E	51253-E	51263-E	51273-E
Ø2001-Ø3000mm	51283-E	51293-E	51303-E	51313-E

Designed by AndersPedersen	Checked by	Approved by	Date	Date 14-12-2025
 <b>TELECOMSTEEL</b> DANISH DESIGN & QUALITY			Steel hoops with support poles	
			51203-E	Revision E

