

Steel quality

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

Performance

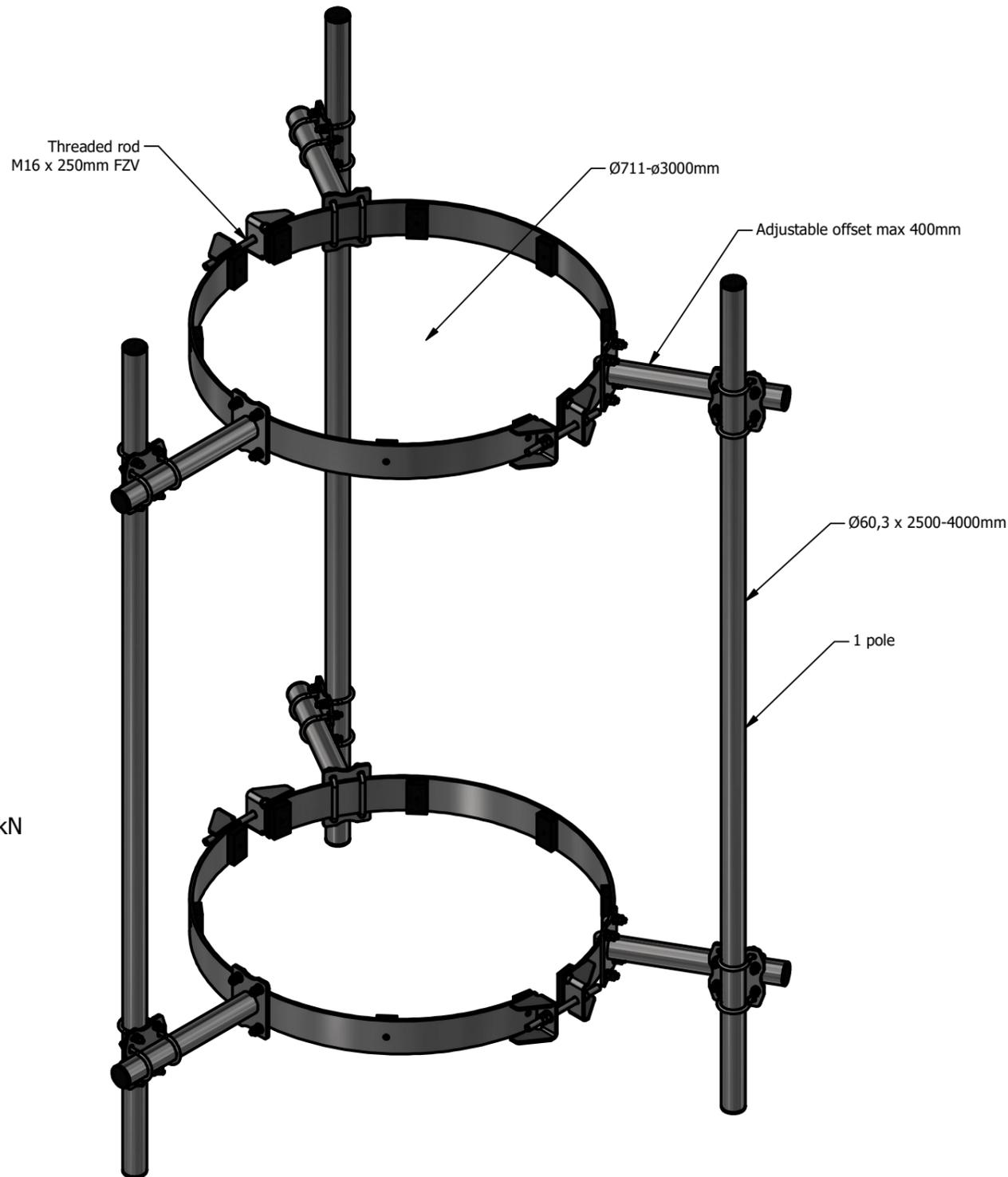
This data sheet covers diameter from $\varnothing 711\text{mm}$ to $\varnothing 3000\text{mm}$
 This data sheet covers offset from 75mm to 400mm
 Max installation on hoops: 6 support poles
 Max vertical load from equipment per pole: 150kg
 Max vertical load from equipment total: 525kg
 Max horizontal load from equipment per pole incl safety factor: 4,5kN
 Max horizontal load from equipment total incl safety factor: 15,0kN
 Max wind load area per pole incl form factor (C x A): 1,5m²
 Max wind load area total incl form factor (C x A): 5,1m²
 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

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	51203	51213	51223	51233
Ø1001-Ø2000mm	51243	51253	51263	51273
Ø2001-Ø3000mm	51283	51293	51303	51313

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

