



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 300mm
 Max installation on hoops: 6 support poles
 Max vertical load from equipment per pole: 262,5kg
 Max vertical load from equipment total: 787,5kg
 Max horizontal load from equipment per pole incl safety factor: 7,65kN
 Max horizontal load from equipment total incl safety factor: 22,95kN
 Max wind load area per pole incl form factor (C x A): 2,55m²
 Max wind load area total incl form factor (C x A): 7,65m²
 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".

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



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