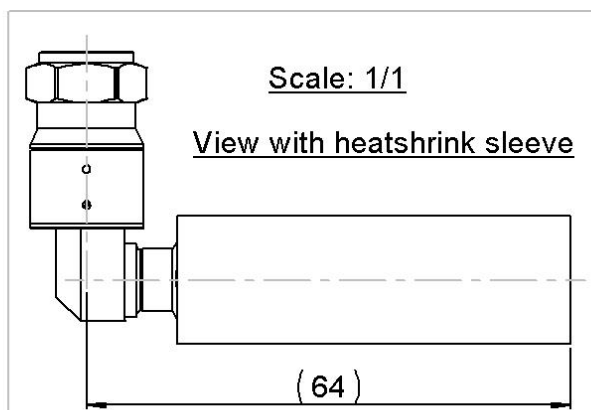
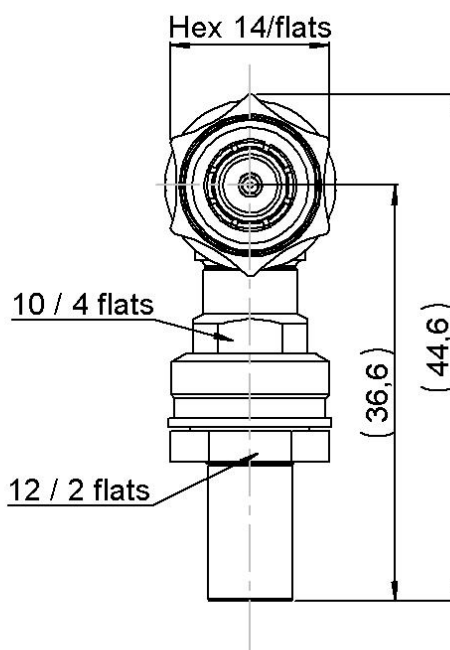
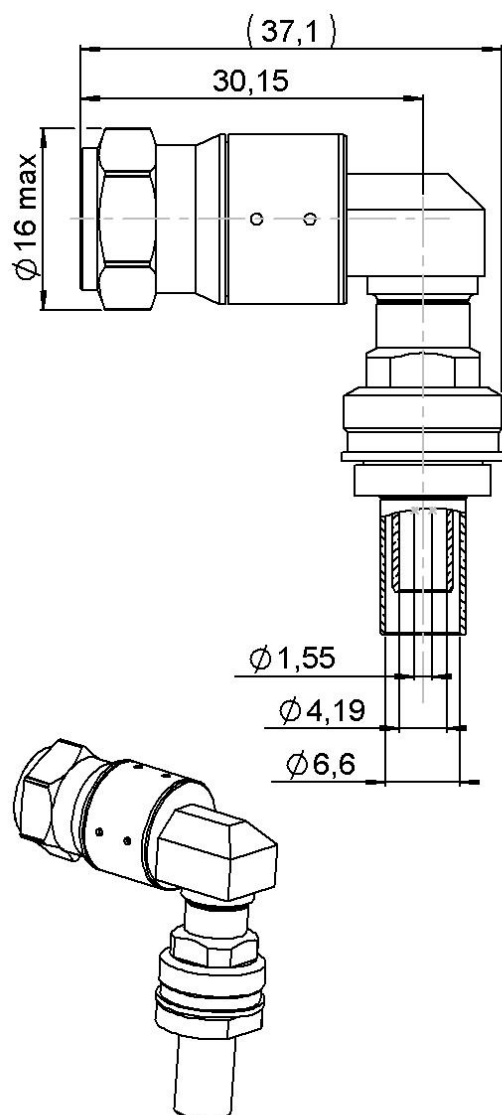


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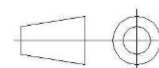
ISSUE
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SERIES **TNC SELF-LOCK**

PART NUMBER **R143184580**



All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (μm)
Body	BRASS	NICKEL
Center contact	BERYLLIUM COPPER, BRASS	GOLD 1.3 OVER NICKEL2
Outer contact	BRASS	NICKEL
Insulator	PTFE	
Gasket	FLUOROSILICON	
Others parts	STAINLESS STEEL, BRASS	PASSIVATED , NICKEL 2
-	-	-
-	-	-

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SERIES **TNC SELF-LOCK**

PART NUMBER **R143184580**

PACKAGING

Standard	Unit	Other
1	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-6	GHz
VSWR	1.35 + 0,000	x F(GHz) Maxi
Insertion loss	0.07	\sqrt{F} (GHz) dB Maxi
RF leakage	- (55*)	- F(GHz)) dB Maxi
Voltage rating	500	Veff Maxi
Dielectric withstanding voltage	1500	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	27	N mini
Axial force – Opposite end	27	N mini
Torque	NA	N.cm mini

Recommended torque		
Mating	192	N.cm
Panel nut		N.cm
Clamp nut	370	N.cm
A/F clamp nut	12,000	mm

Mating life	250	Cycles mini
Nominal Weight	37,390	g
(Add +15% for max weight)		

ENVIRONMENTAL

Operating temperature	-65/+165	°C
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	6,500	9,000	24,300	0,000	0,000	0,000

Assembly instruction:

Recommended cable(s)

ECS 311501

ECS 311601

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off	200	N mini
- torque	NA	N.cm

TOOLING

Part Number	Description	Other
282291	PINCE SERT M 22520/1-01	2x4 pts (Posit 8)
R282235013	MACH SERT M 22520/5-13	Hex 6.48
R282293000	PINCE SERT M 22520/5-01	
R282589207	POSIT M22520/1-01 RA 311901	

OTHER CHARACTERISTICS

***-55dB at 2-3GHz**

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SERIES **TNC SELF-LOCK**

PART NUMBER **R143184580**

HEATSHRINK SLEEVE

FERRULE

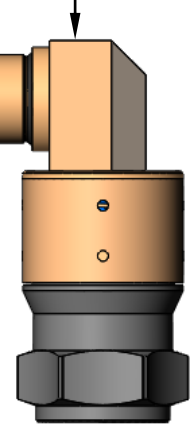
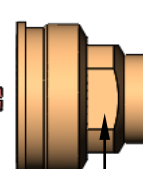
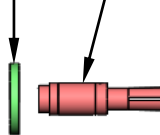
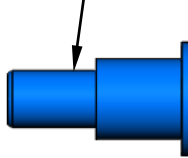
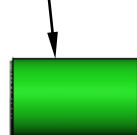
CLAMP NUT

CRIMP SLEEVE

INSULATOR

CENTER CONTACT

BODY

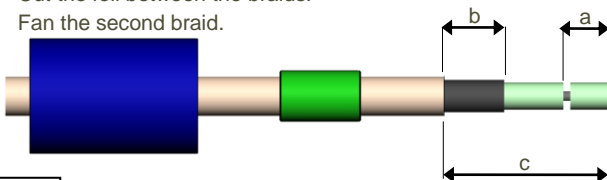


12 / 2 flats

10 / 4 flats

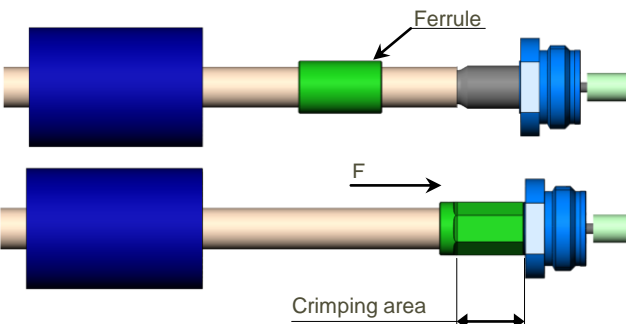
1

Slide onto the cable the heatshrink and the ferrule.
Strip the cable. Shift the dielectric on the inner conductor of the cable to 1 mm, and leave it in position.
Fan the first braid.
Cut the foil between the braids.
Fan the second braid.



2

Slide the clamp nut onto the crimp sleeve.
Slide sub-assembly under the braid.
Slide ferrule over the braid against clamp nut (In direction F)
Crimp the ferrule with crimping tool R282.293.000 + dies R282.235.013 (Hex 6.48).



3

Remove the dielectric of cable, if necessary remove dielectric remains on the inner conductor of the cable.
Clean the face of the dielectric. Mount the insulator against crimp sleeve.



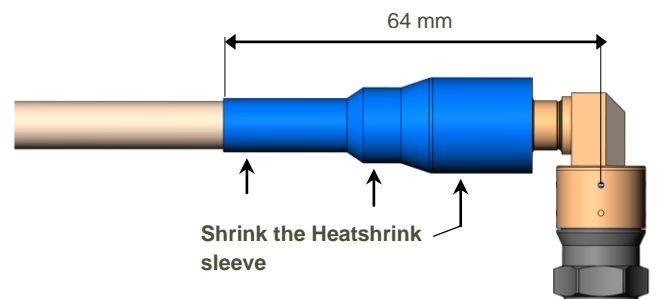
4

Slide the center contact onto the cable inner conductor against insulator.
Crimp center contact with the crimping tool 282.291 and the positioner R282.589.207 (selector on position n°8).
After crimping the central contact, realign thereof in the axis of the cable prior to mounting in the connector body.



5

Screw sub-assembly into the connector body.
(recommended coupling torque: 370N.cm)
Slide the sleeve over the ferrule and heatshrink it in place.



NOTE:

The cable must be clamped at 30 cm maxi from the crimping area of the connector.

The nut must be tightened at the specific torque after clamping.