



N Male Right Angle Connector Clamp/Non-Solder  
Contact Attachment for 1/2 inch Helical

TECHNICAL DATA SHEET

PE44554

**Configuration**

Connector	N Male
Connector Interface Type	1/2 inch Helical
Attachment Method (Shield/Contact)	Clamp/Non-Solder Contact
Body Style	Right Angle

**Electrical Specifications**

Frequency Range	DC to 3 GHz
Impedance	50 Ohms
Maximum VSWR	1.1:1
Maximum Insertion Loss	0.1 dB
Dielectric Withstanding Voltage	2,500 Vrms
Maximum Passive Intermodulation (2 x 20 Watts)	-160 dBc

**Mechanical Specifications**

**Size**

Length	2.77 in [70.36 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	1.725 in [43.82 mm]
Weight	6.9 lbs [3.13 Kg]

**Connector**

Type	N Male
Contact Material and Plating	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	196µ in. minimum
Hex Size	3/4 in.
Torque	12 in-lbs [1.36 Nm]
Body Material and Plating	Brass, Nickel
Body Plating Specification	196µ in. minimum
Dielectric Type	PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical PE44554](#)



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#### Plotted and Other Data

Notes:

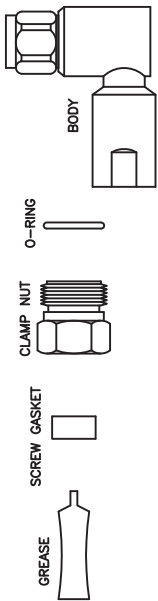
- Values at +25 °C, sea level

N Male Right Angle Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Clamp/Non-Solder Contact Attachment for 1/2 inch Helical PE44554](#)

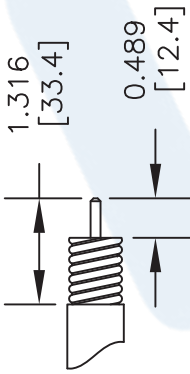
URL: <http://www.pasternack.com/n-male-standard-1-2-inch-helical-connector-pe44554-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

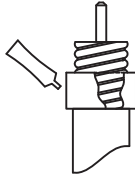


### ASSEMBLY PROCEDURES

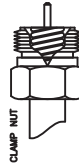
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR & DEBURR CABLE.



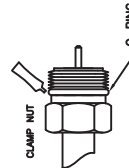
2. PUT THE SCREW GASKET ONTO CABLE, PAY ATTENTION TO THE CORRECT DIRECTION OF THE SCREW GASKET (ANGLE DIRECTION TOWARDS THE FRONT). WIPE THE GASKET WITH GREASE.



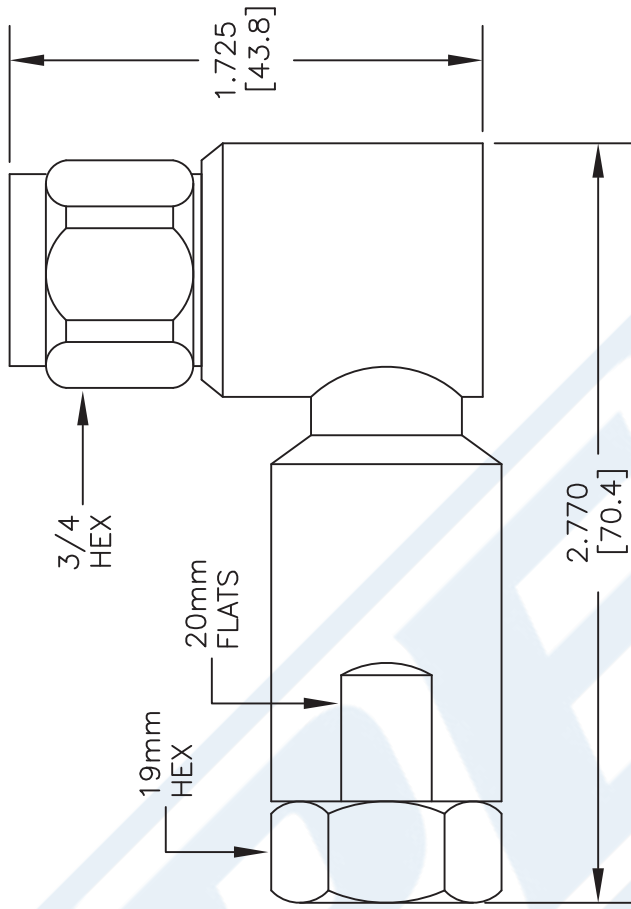
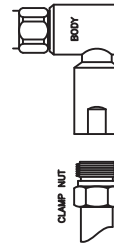
3. SCREW CLAMP NUT ONTO CABLE UNTIL EDGES OF NUT & OUTER CONDUCTOR ARE FLAT.



4. SLIDE O-RING OVER THREAD AND SEAT INTO PLACE. GREASE O-RING.



5. HOLD CLAMP NUT STEADY & SCREW BODY TIGHTLY ONTO CABLE.



DWG TITLE

**PE44554**

NOTES:  
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.  
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].  
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

**PE PASTERNAK®**  
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CAD FILE 091813

SCALE N/A

SIZE A

2233