Lockable Push - On Connector of Type 7 / 16

Spectrum Elektrotechnik GmbH

The Push-On 'Connector Saver' was developed to eliminate the time consuming lightening, torquing and loosening of 7/16 connectors during test.
The standard 7/16 female end engages the 7/16 male of the cable assembly, while the Push-On end of the adapter slides directly onto any 7/16 female, allowing quick connecting and disconnecting.
Its mechanism locks safely onto the standard 7/16-type-thread: M29x1.5.

Features

- Connector Saver Push-On 7/16
- Safe Locking Mechanism
- Repeatable Performance
- Reduced Test Times
- Low Return Loss
- DC - 7.5 GHz
- Long Life

Specifications:

Electrical:

Impedance	50 Ohms nominal
Frequency Range	DC to 7.5 GHz
Max. VSWR	1.10 : 1
Insertion Loss	0.15 dB max. at 7.5 GHz
Contact Resistance	1.0 milliohms max.
RF Leackage	90 dB max. to 3.0 GHz -80 dB max. to 7.5 GHz
Diel. Withstdg. Voltage	3000 VRMS, 60 Hz
RF High Potential	4000 VRMS @ 5 Mhz
Corona Level Voltage	2800 Volts @ 0 ft.

Mechanical:

Temperature	Rating -55°C to +155°C
Durability	500 mating cycles min.

Materials:

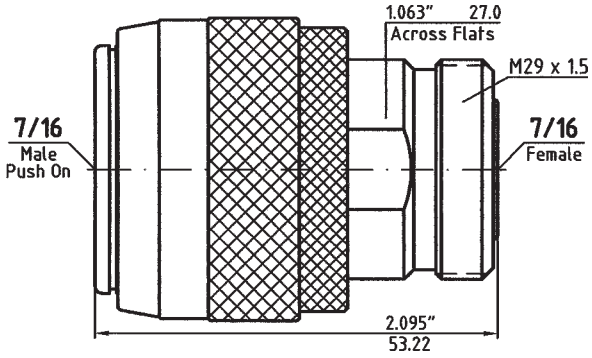
Body	Stainless Steel
Center Contact	Beryllium Copper
Outer Conductor	Stainless Steel

Finish:

Center Contact	Gold Plate per MIL-G-45204, type II, class I, grade C.
Body	Passivate per QQ-P-35

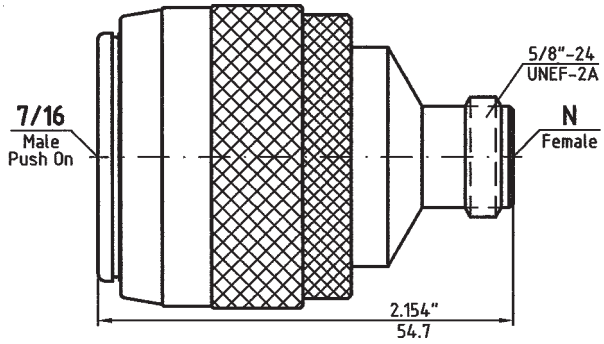
17/16in.pm5

Spectrum Elektrotechnik GmbH P.O. Box 45 05 33, 80905 Munich, Germany **Tel. (89) 354 804-0, Fax (89) 354 804-90** (Country Code: 49)



7/16 - PUSH-ON

Part - No.	8001-7S76-02
Connectors	7/16-Push to 7/16-F
Frequency	DC - 7.5 GHz
VSWR max.	1.10 : 1



7/16 - PUSH-ON

Part - No.	8001-7S61-02
Connectors	7/16-Push to N-F
Frequency	DC - 7.5 GHz
VSWR max.	1.10 : 1

Dimensions shown are inches over millimeters. Standard units have stainless steel finish (last two digits of the P/N are -02). Interfaces are per MIL-C 39012, MIL-C-87104/2, MIL-C-3643, MIL-STD-348, IEC-169-7, IEC-457-2, DIN 47 223, DIN 47 226, DIN 47 298, where applicable. For details please refer to the beginning of this section.

Lockable Push - On Connector to Type N

The Push-On 'Connector Saver' was developed to eliminate the time consuming lightening, torquing and loosening of N connectors during test.
The standard N female end engages the N male of the cable assembly, while the Push-On end of the adapter slides directly onto any N female, allowing quick connecting and disconnecting.
Its mechanism locks safely onto any standard N-type-thread (5/8"-24 UNEF).

Features

- Connector Saver Push-On Nm
- •• Safe Locking Mechanism
- ••• Repeatable Performance
- •••• Reduced Test Times
- ••••• Low Return Loss
- •••••• DC-18.0 GHz
- ••••••• Long Life

Specifications:

Electrical:

Impedance	50 Ohms nominal
Frequency Range	DC to 18.0 GHz
Max. VSWR	1.15 : 1
Insertion Loss	0.2 dB max. at 18 GHz
Contact Resistance	1.0 milliohms max.
RF Leackage	-90 dB max. to 3.0 GHz
	-75 dB max. to 18.0 GHz
Diel. Withstdg. Voltage	2500 VRMS, 60 Hz
RF High Potential	1500 VRMS @ 5 Mhz
Corona Level Voltage	500 Volts @ 70,000 ft.

Mechanical:

Temperature	Rating -65°C to +100°C
Durability	500 mating cycles min.

Materials:

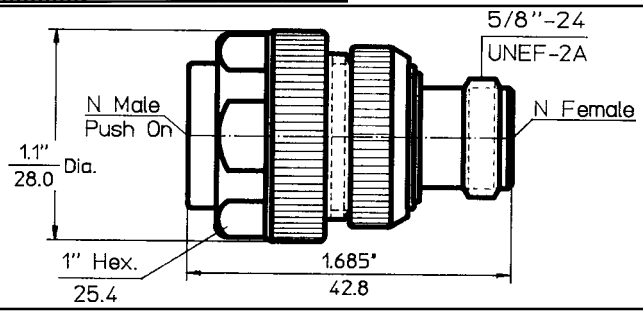
Body	Stainless Steel
Center Contact	Beryllium Copper
Outer Conductor	Beryllium Copper

Finish:

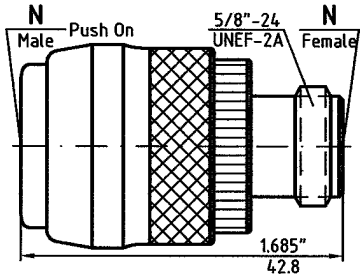
Center Contact	Gold Plate per MIL-G-45204, type II, class I, grade C.
Body	Passivate per QQ-P-35

1nin.pm5

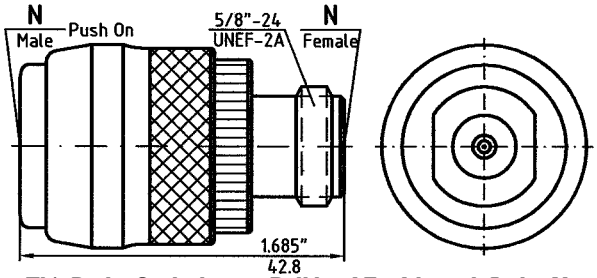
Push - On Adapters of Type N



Part - No.	8001-NS61-02
Connectors	N-Push to N-Fem.
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)

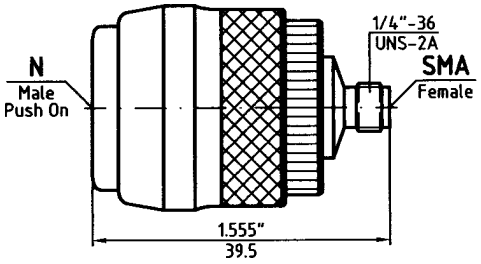


Part - No.	8002-NS61-02
Connectors	N-Push to N-Fem.
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)

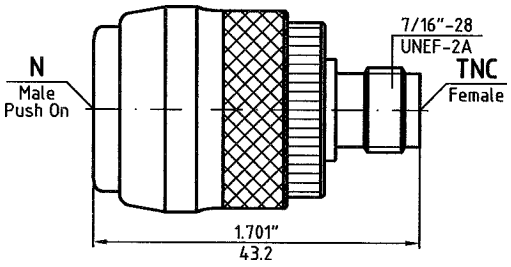


This Push - On locks onto Bulkhead Feedthrough Jack - N

Part - No.	8003-NS61-02
Connectors	N-Push to N-Fem.
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)



Part - No.	8001-NS21-02
Connectors	N-Push to SMA-Fem.
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)



Part - No.	8001-NS41-02
Connectors	N-Push to TNC-Fem.
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)

Dimensions shown are inches over millimeters. Standard units have stainless steel finish (last two digits of the P/N are -02). Interfaces are per MIL-C 39012, MIL-C-87104/2, MIL-C-3643, MIL-STD-348, IEC-169-7, IEC-457-2, DIN 47 223, DIN 47 226, DIN 47 298, where applicable. For details please refer to the beginning of this section.

Inin.pm5

Lockable Push - On Connector to Type SMA

The Push-On 'Connector Saver' was developed to eliminate the time consuming lightening, torquing and loosening of SMA connectors during test.
The standard SMA female end engages the SMA male of the cable assembly, while the Push-On end of the adapter slides directly onto any SMA female, allowing quick connecting and disconnecting.
Its mechanism locks safely onto any standard SMA-type-thread (1/4"-36 UNS).

Features

- Connector Saver Push-On SMA
- •• Safe Locking Mechanism
- ••• Repeatable Performance
- •••• Reduced Test Times
- ••••• Low Return Loss
- •••••• DC-26.5 GHz
- ••••••• Long Life

Specifications:

Electrical:

Impedance	50 Ohms nominal
Frequency Range	DC to 26.5 GHz
Max. VSWR	1.15 : 1 (DC - 18.0 GHz)
	1.20 :1 (18.0 - 26,5 GHz)
Insertion Loss	0.3 dB max. at 18 GHz
Contact Resistance	3.0 milliohms max.
RF Leackage	-80 dB max. to 3.0 GHz
	-65 dB max. to 26.5 GHz
Diel. Withstdg. Voltage	1500 VRMS, 60 Hz
RF High Potential	1000 VRMS @ 5 Mhz
Corona Level Voltage	375 Volts @ 70,000 ft.

Mechanical:

Temperature	Rating -65°C to +165°C
Durability	500 mating cycles min.

Materials:

Body	Stainless Steel
Center Contact	Beryllium Copper
Outer Conductor	Beryllium Copper

Finish:

Center Contact	Gold Plate per MIL-G-45204, type II, class I, grade C.
Body	Passivate per QQ-P-35

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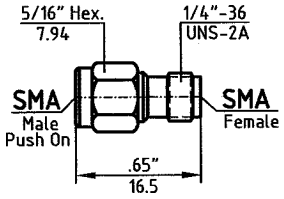
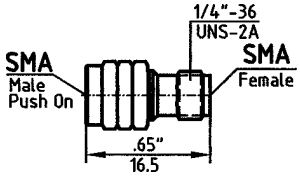
Push - On Adapters of Type SMA



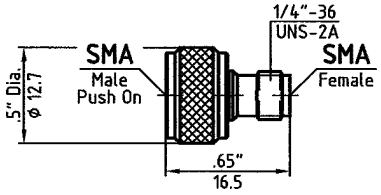
SMA-PUSH-ON

Part - No.	8001-SM21-02
Connectors	SMA-Push to SMA-F
Frequency	DC - 26.5 GHz
VSWR max.	1.20 : 1



SMA-PUSH-ON

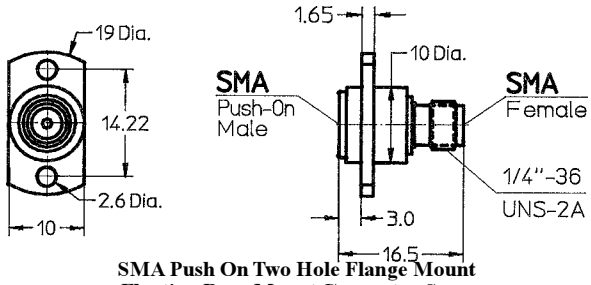
Part - No.	8003-SM21-02
Connectors	SMA-Push to SMA-F
Frequency	DC - 26.5 GHz
VSWR max.	1.20 : 1



Easier Handling with the enlarged coupling nut.

SMA-PUSH-ON

Part - No.	8005-SM21-02
Connectors	SMA-Push to SMA-F
Frequency	DC - 26.5 GHz
VSWR max.	1.20 : 1



SMA Push On Two Hole Flange Mount
Floating Rear Mount Connector Saver

SMA-PUSH-ON

Part - No.	8004-SM21-02
Connectors	SMA-Push to SMA-F
Frequency	DC - 26.5 GHz
VSWR max.	1.20 : 1

The lockable SMA-Push - On will be available early 1997.

SMA-PUSH-ON

Part - No.	8006-SM21-02
Connectors	SMA-Push to SMA-F
Frequency	DC - 26.5 GHz
VSWR max.	1.20 : 1

Dimensions shown are inches over millimeters. Standard units have stainless steel finish (last two digits of the P/N are -02). Interfaces are per MIL-C 39012, MIL-C-87104/2, MIL-C-3643, MIL-STD-348, IEC-169-7, IEC-457-2, DIN 47 223, DIN 47 226, DIN 47 298, where applicable. For details please refer to the beginning of this section.

1smapu.pm5

The Push-On 'Connector Saver' was developed to eliminate the time consuming lightening, torquing and loosening of TNC connectors during test.
The standard TNC female end engages the TNC male of the cable assembly, while the Push-On end of the adapter slides directly onto any TNC female, allowing quick connecting and disconnecting.
Its mechanism locks safely onto any standard TNC-type-thread (7/16"-28 UNEF).

Features

- Connector Saver Push-On TNC
- Safe Locking Mechanism
- Repeatable Performance
- Reduced Test Times
- Low Return Loss
- DC-18.0 GHz
- Long Life

Specifications:

Electrical:

Impedance	50 Ohms nominal
Frequency Range	DC to 18.0 GHz
Max. VSWR	1.15 : 1
Insertion Loss	0.2 dB max. at 18 GHz
Contact Resistance	1.0 milliohms max.
RF Leackage	90 dB max. to 3.0 GHz -65 dB max. to 18.0 GHz
Diel. Withstdg. Voltage	2500 VRMS, 60 Hz
RF High Potential	1500 VRMS @ 5 Mhz
Corona Level Voltage	500 Volts @ 70,000 ft.

Mechanical:

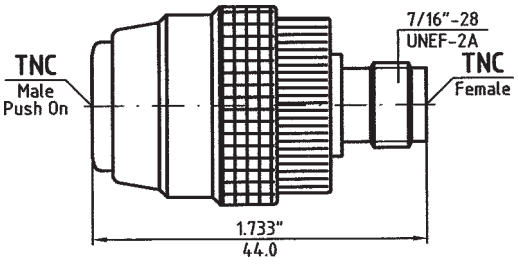
Temperature	Rating -65°C to +100°C
Durability	500 mating cycles min.

Materials:

Body	Stainless Steel
Center Contact	Beryllium Copper
Outer Conductor	Beryllium Copper

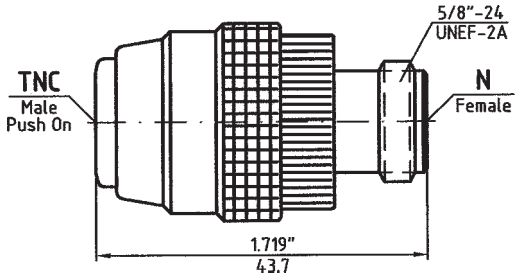
Finish:

Center Contact	Gold Plate per MIL-G-45204, type II, class I, grade C.
Body	Passivate per QQ-P-35



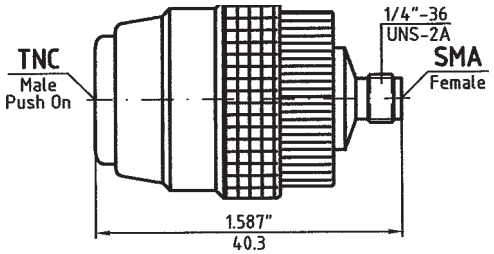
TNC-PUSH-ON

Part - No.	8001-TS41-02
Connectors	TNC-Push to TNC-F
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)



TNC-PUSH-ON

Part - No.	8001-TS61-02
Connectors	TNC-Push to N-F
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)



TNC-PUSH-ON

Part - No.	8001-TS21-02
Connectors	TNC-Push to SMA-F
Frequency	DC - 18.0 GHz
VSWR max.	1.06 + 0.005 x f (GHz)

Dimensions shown are inches over millimeters. Standard units have stainless steel finish (last two digits of the P/N are -02). Interfaces are per MIL-C 39012, MIL-C-87104/2, MIL-C-3643, MIL-STD-348, IEC-169-7, IEC-457-2, DIN 47 223, DIN 47 226, DIN 47 298, where applicable. For details please refer to the beginning of this section.