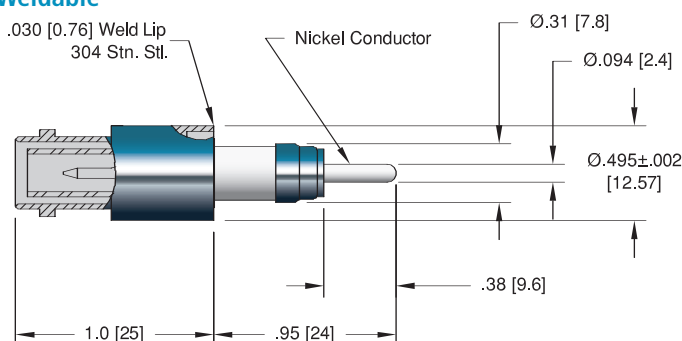
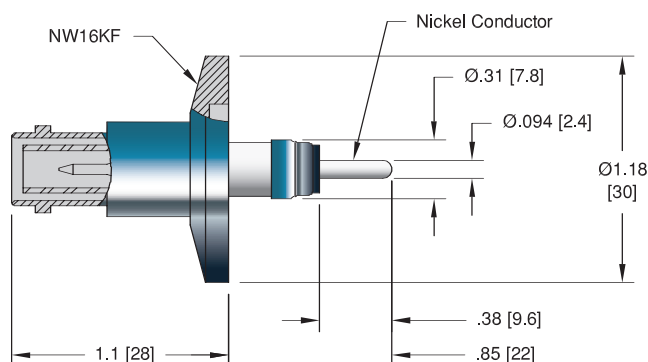
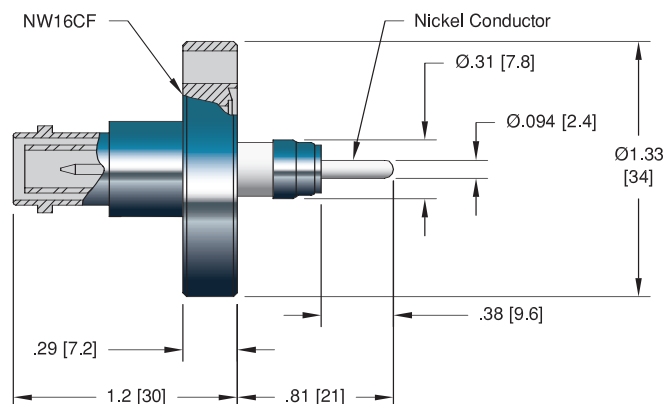
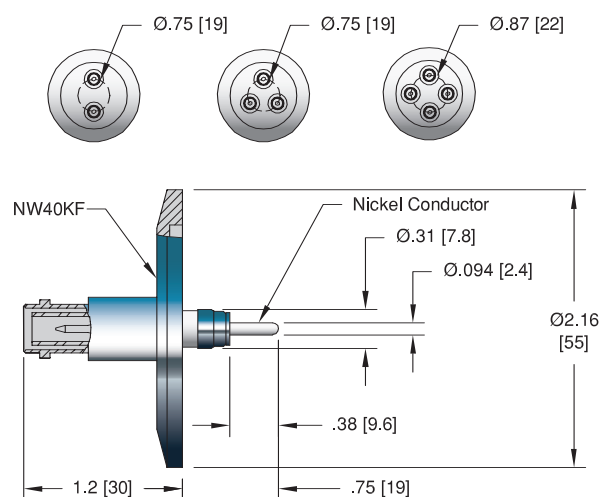
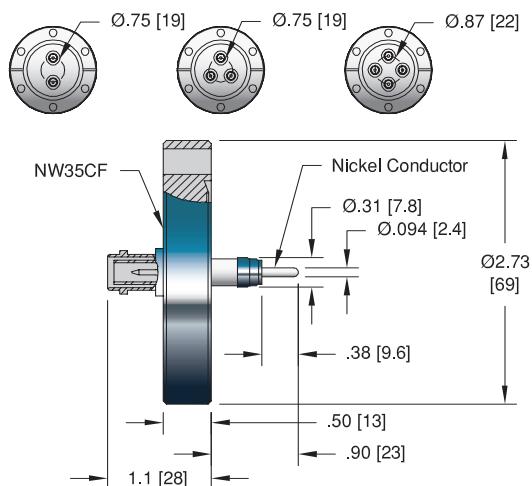


**SHV 5 KV - Exposed
Weldable****ISO KF - NW16KF****ConFlat - NW16CF****SHV 5 KV - Exposed
ISO KF - NW40KF****ConFlat - NW35CF****Specifications****Materials**

Housing: 304 Stainless steel
Pin: Nickel
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 5 kV DC

Current Rating 16.5 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C See table

Weldable



NO. PINS	INSTALLATION	PRESSURE @ 20°C BAR		PART NUMBER
1	Weld	1600	110	8630-02-W

ISO FLANGE

1	NW16KF	-	-	17205-01-KF
1	NW40KF	-	-	17208-07-KF
2	NW40KF	-	-	17208-01-KF
3	NW40KF	-	-	17208-03-KF
4	NW40KF	-	-	17208-05-KF

CONFLAT FLANGE

1	1 1/3" (NW16CF)	1600	110	8880-02-CF
1	2 3/4" (NW35CF)	1500	103	14366-07-CF
2	2 3/4" (NW35CF)	1500	103	14366-03-CF
3	2 3/4" (NW35CF)	1500	103	14366-05-CF
4	2 3/4" (NW35CF)	1500	103	14366-01-CF

ConFlat



Air Side Plug



TYPE	VOLTAGE DC	CONDUCTOR AMPS	DIMENSIONS H L		DESCRIPTION	PART NUMBER
Air Side	5 KV	10	0.56 [14]	1.8 [46]	SHV 5 kV Plug	8058-01

Air Side Cable Assembly



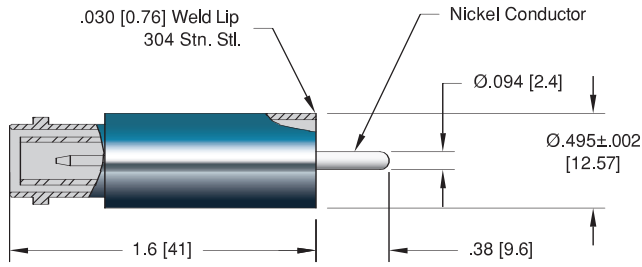
TYPE	LENGTH	VOLTAGE DC	CONDUCTOR AMPS	TEMPERATURE MIN MAX		PART NUMBER
52 Ohm SHV – Double Ended	10'	5 kV	10	-55	85	18921-03-A

Contacts

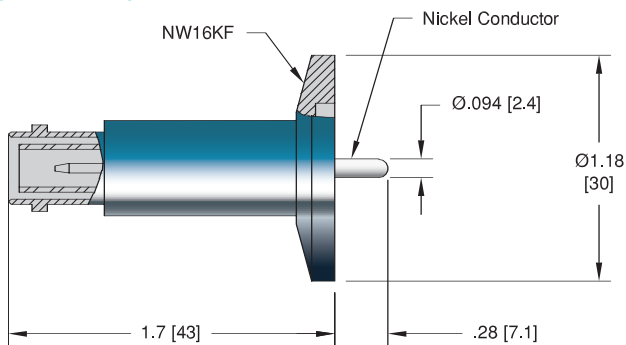


TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A†
0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A

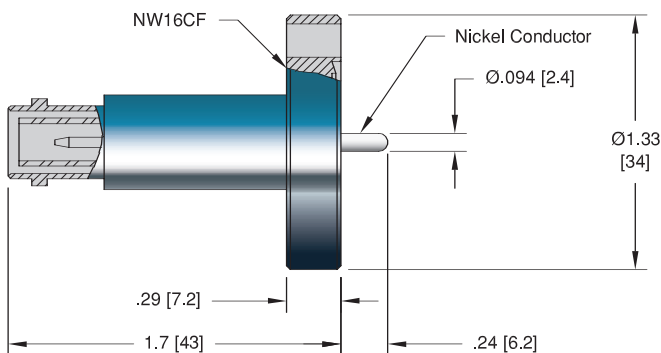
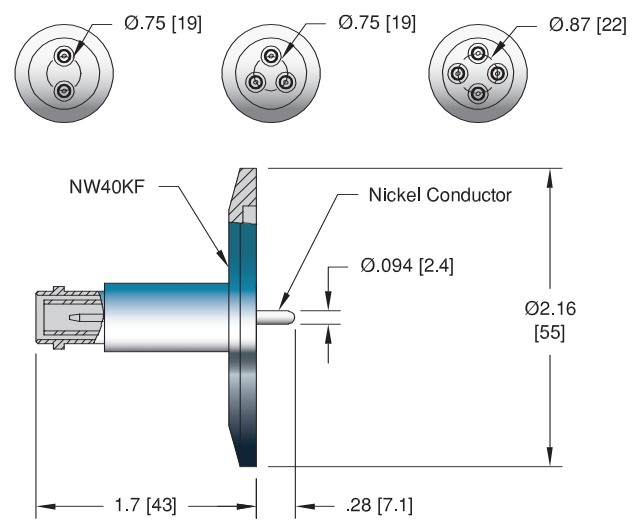
*Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

SHV 5 KV - Recessed
Weldable

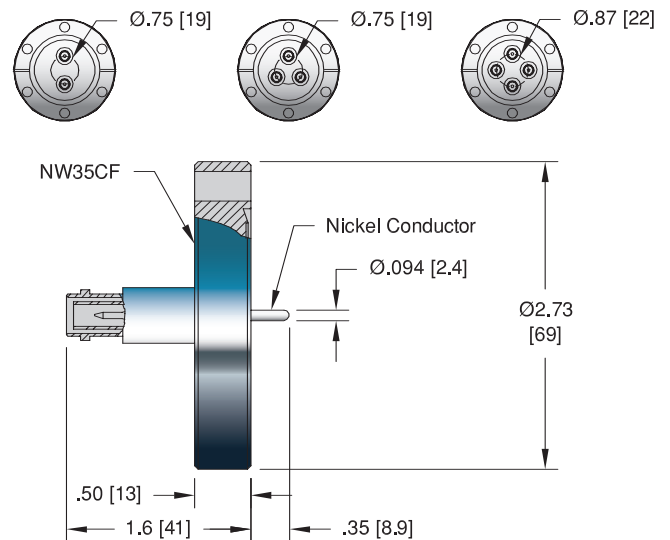
ISO KF - NW16KF



ConFlat - NW16CF

SHV 5 KV - Recessed
ISO KF - NW40KF

ConFlat - NW35CF

Specifications
Materials

Housing: 304 Stainless steel
Pin: Nickel
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 5 kV DC

Current Rating 16.5 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C See table

Weldable



STYLE

INSTALLATION

PART
NUMBER

Exposed Insulator

Weld

18086-01-W

Recessed Insulator

Weld

18089-01-W†

ISO FLANGE

ISO KF



Exposed Insulator

NW25KF

18087-01-KF†

Recessed Insulator

NW25KF

18090-01-KF

CONFLAT FLANGE

ConFlat



Exposed Insulator

1 1/3" (NW16CF)

18088-01-CF†

Recessed Insulator

1 1/3" (NW16CF)

18091-01-CF

Air Side Plug



TYPE

VOLTAGE
DCCONDUCTOR
AMPSDIMENSIONS
H L

DESCRIPTION

PART
NUMBER

Air Side

20 kV

20

0.75 [19]

4.5 [115]

SHV 20 kV Plug

8208-02

Contacts



TYPE

MATERIAL

DESCRIPTION

PART
NUMBER

0.094 Set Screw Type Contacts

Beryllium Copper

Accepts wire up to 0.050 [1.3]

7429-01-A†

0.094 Barrel Type Contacts

Beryllium Copper

Accepts wire up to 0.094 [2.4]

7332-04-A

*Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

Weldable



NO. PINS	INSTALLATION	PRESSURE @ 20°C BAR		PART NUMBER
1	Weld	1600	110	8030-02-W

ISO FLANGE

1	NW16KF	-	-	17207-02-KF
1	NW40KF	-	-	17206-07-KF
2	NW40KF	-	-	17206-01-KF
3	NW40KF	-	-	17206-03-KF
4	NW40KF	-	-	17206-05-KF

CONFLAT FLANGE

1	1 1/3" (NW16CF)	1600	110	9485-02-CF
1	2 3/4" (NW35CF)	1500	103	11179-04-CF
2	2 3/4" (NW35CF)	1500	103	0268-02-CF
3	2 3/4" (NW35CF)	1500	103	1958-02-CF
4	2 3/4" (NW35CF)	1500	103	11179-02-CF

ConFlat



Air Side Plug



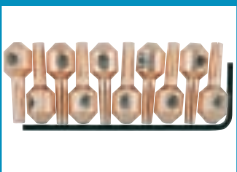
TYPE	VOLTAGE DC	CONDUCTOR AMPS	DIMENSIONS H L		DESCRIPTION	PART NUMBER
Air Side	5 kV	10	0.56 [14]	1.8 [46]	SHV 5 kV Plug	8058-01

Air Side Cable Assembly



TYPE	LENGTH	VOLTAGE DC	CONDUCTOR AMPS	TEMPERATURE MIN MAX		PART NUMBER
52 Ohm SHV – Double Ended	10'	5 kV	10	-55	85	18921-03-A

Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.094 Set Screw Type Contacts	Beryllium Copper	Accepts wire up to 0.050 [1.3]	7429-01-A [†]
0.094 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.094 [2.4]	7332-04-A

*Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all accessories.



Specifications

Materials

Housing: 304 Stainless steel
Pin: Nickel
Insulation: Alumina ceramic
Magnetic Materials: Yes

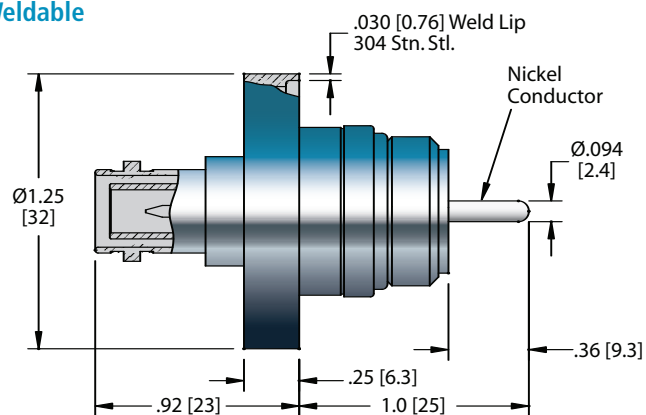
Voltage Rating Pin/Shield: 5 kV DC, Shield/Gnd: 2.5 kV DC

Current Rating 16.5 Amps

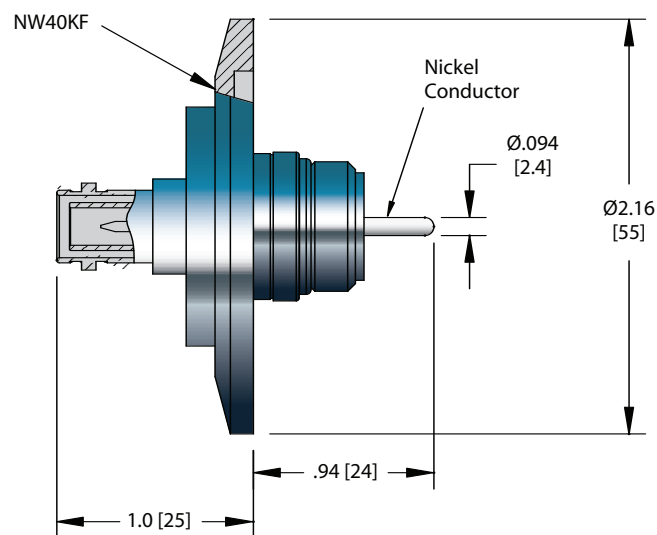
Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 300 PSIG (20 Bar), ISO KF 0 PSIG

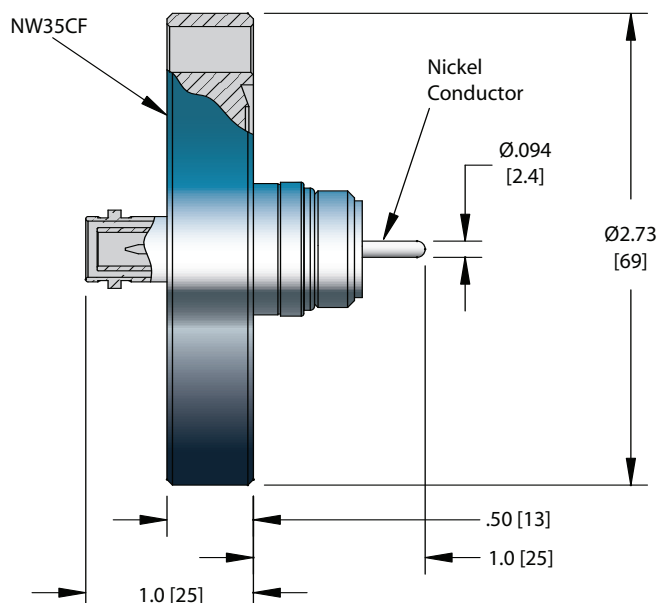
Weldable



ISO KF



ConFlat



**Weldable****INSTALLATION**

Weld

**PART
NUMBER**

15619-01-W

ISO FLANGE

NW40KF

21303-01-KF

ISO KF**CONFLAT FLANGE**

2 3/4" (NW35CF)

21304-01-CF

ConFlat**Air Side Plug****TYPE****VOLTAGE
DC****CONDUCTOR
AMPS****DIMENSIONS
H L****DESCRIPTION****PART
NUMBER**

Air Side

5 kV

10

0.56 [14] 1.8 [46]

SHV 5 kV Plug

8058-01

**Air Side Cable
Assembly****TYPE****LENGTH****VOLTAGE
DC****CONDUCTOR
AMPS****TEMPERATURE
MIN MAX****PART
NUMBER**

52 Ohm SHV – Double Ended

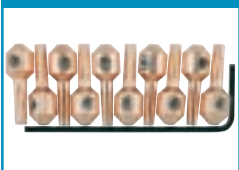
10'

5 kV

10

-55 85

18921-03-A

Contacts**TYPE****MATERIAL****DESCRIPTION****PART
NUMBER**

0.094 Set Screw Type Contacts

Beryllium Copper

Accepts wire up to 0.050 [1.3]

7429-01-A[†]

0.094 Barrel Type Contacts

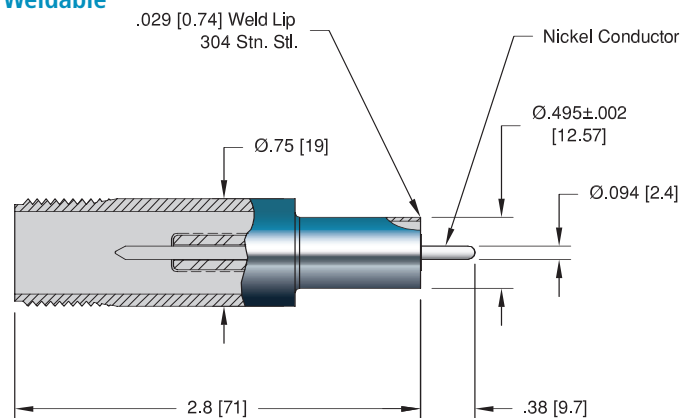
Beryllium Copper

Accepts wire up to 0.094 [2.4]

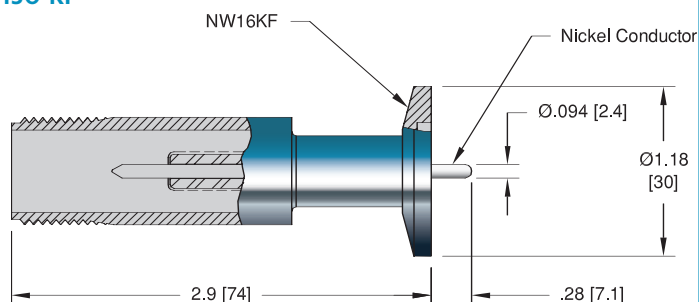
7332-04-A

*Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all accessories.

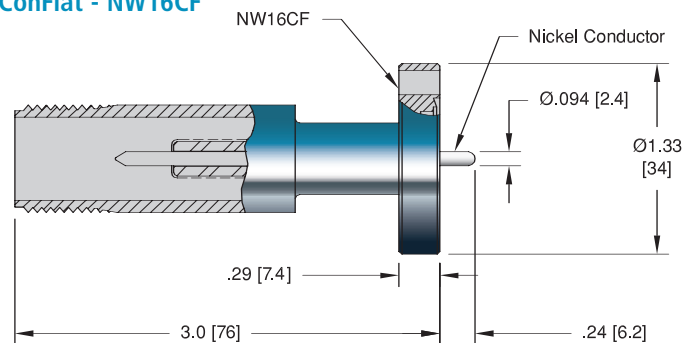
Weldable



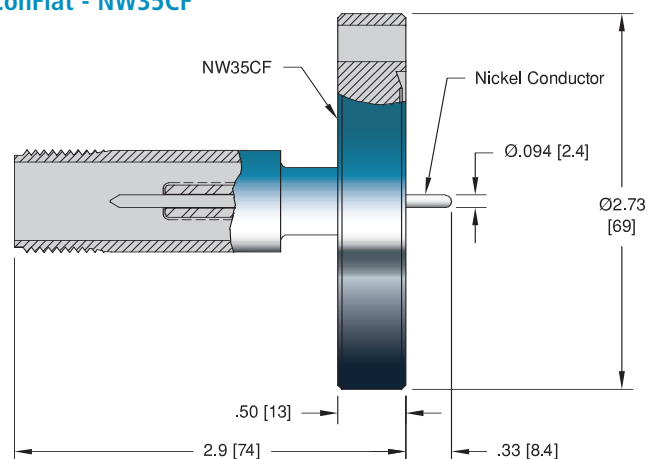
ISO KF



ConFlat - NW16CF



ConFlat - NW35CF



Specifications

Materials

Housing: 304 Stainless steel
Pin: Nickel
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 7.5 kV DC

Current Rating 16.5 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C See table

Weldable



INSTALLATION

PRESSURE @ 20°C
PSIG BAR

Weld

1600

110

PART
NUMBER

7546-02-W

ISO FLANGE

NW16KF

-

-

18047-02-KF

ISO KF



ConFlat



CONFLAT FLANGE

1 1/3" (NW16CF)

1600

110

7585-02-CF

2 3/4" (NW35CF)

1500

103

7584-02-CF

Air Side Plug



TYPE

VOLTAGE
DCCONDUCTOR
AMPSDIMENSIONS
H L

DESCRIPTION

PART
NUMBER

Air Side

7.5 kV

8

0.88 [22] 3.5 [88]

BSHV Plug

7604-01-A

Contacts



TYPE

MATERIAL

DESCRIPTION

PART
NUMBER

0.094 Set Screw Type Contacts

Beryllium Copper

Accepts wire up to 0.050 [1.3]

7429-01-A†

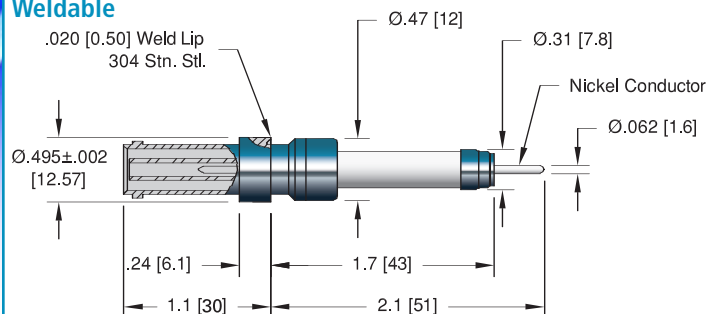
0.094 Barrel Type Contacts

Beryllium Copper

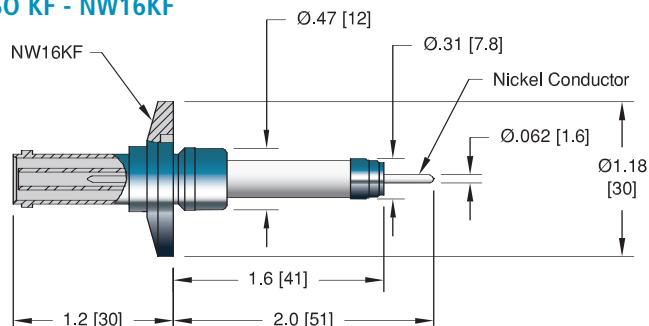
Accepts wire up to 0.094 [2.4]

7332-04-A

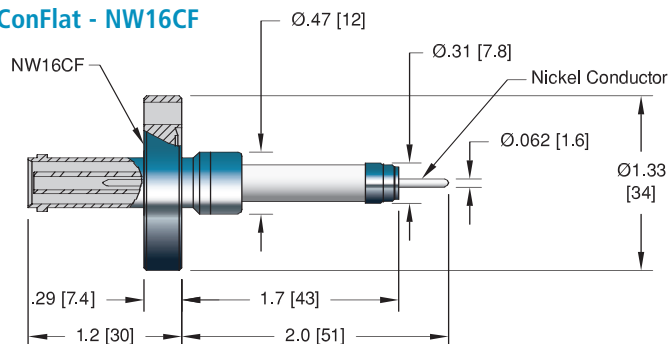
*Contacts priced and sold in packages of 10. †Shown in photo. See the Accessories section for more information on all accessories.

SHV 10 KV - Exposed
Weldable

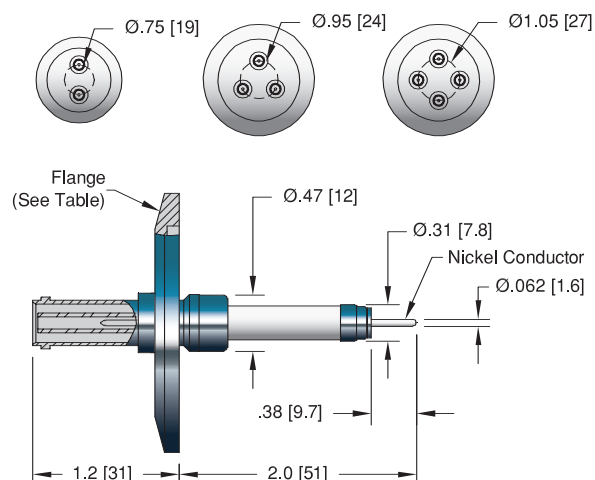
ISO KF - NW16KF



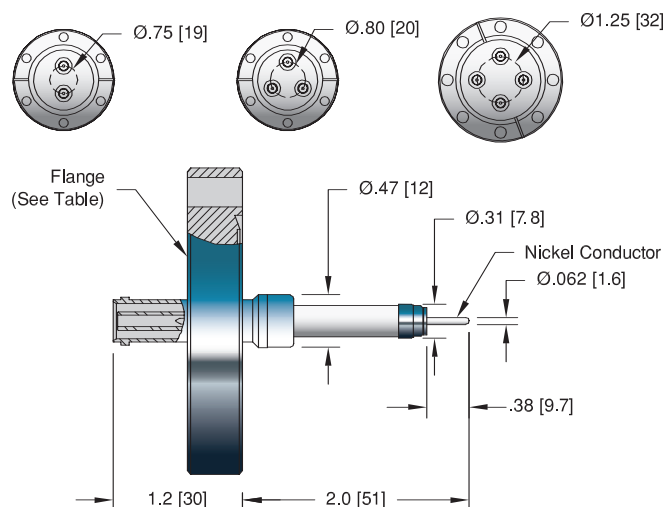
ConFlat - NW16CF



ISO KF



ConFlat

Specifications
Materials

Housing: 304 Stainless steel
Pin: Nickel
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 10 kV DC

Current Rating 10 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 120 PSIG (8.3 Bar), ISO KF 0 PSIG

Weldable

NO.
PINS

INSTALLATION

PART
NUMBER

1

Weld

17213-01-W

ISO FLANGE

1

NW16KF

18043-01-KF

1

NW40KF

17215-07-KF

2

NW40KF

17215-01-KF

3

NW50KF

17215-03-KF

4

NW50KF

17215-05-KF

CONFLAT FLANGE

1

1 1/3" (NW16CF)

17214-01-CF

1

2 3/4" (NW35CF)

17216-08-CF

2

2 3/4" (NW35CF)

17216-02-CF

3

2 3/4" (NW35CF)

17216-04-CF

4

3 3/8" (NW50CF)

17216-06-CF

ConFlat



Air Side Plug



TYPE

VOLTAGE
DCCONDUCTOR
AMPSDIMENSIONS
H L

DESCRIPTION

PART
NUMBER

Air Side

10 kV

10

0.56 [14] 1.8 [46]

SHV 10 kV Plug

8058-02

Contacts



TYPE

MATERIAL

DESCRIPTION

PART
NUMBER

0.062 Crimp Contacts

Nickel Alloy

Accepts wire up to 0.062 [1.6]

0821-01-A[†]

0.062 Crimp Contacts

Beryllium Copper

Accepts wire up to 0.062 [1.6]

2044-02-A

0.062 Barrel Type Contacts

Beryllium Copper

Accepts wire up to 0.062 [1.6]

7332-03-A

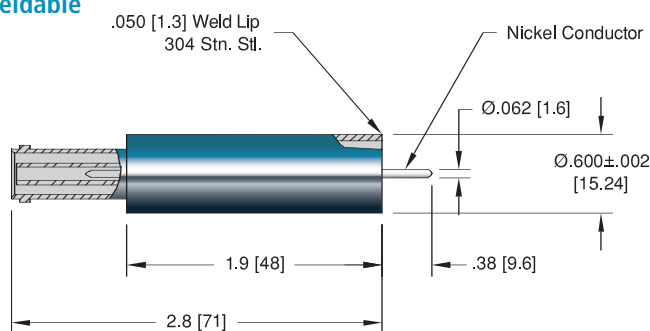
Crimp Tool

For 0.025" - 0.075" Diameters

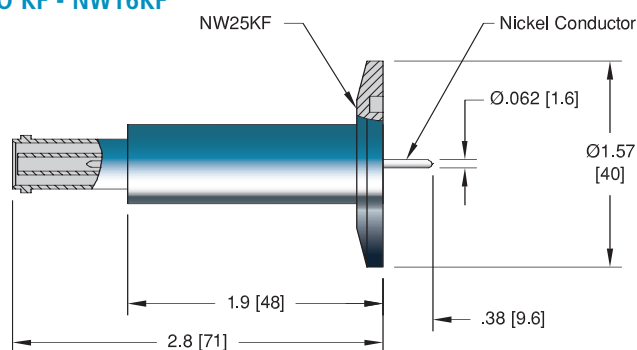
2840-05

*Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all accessories.

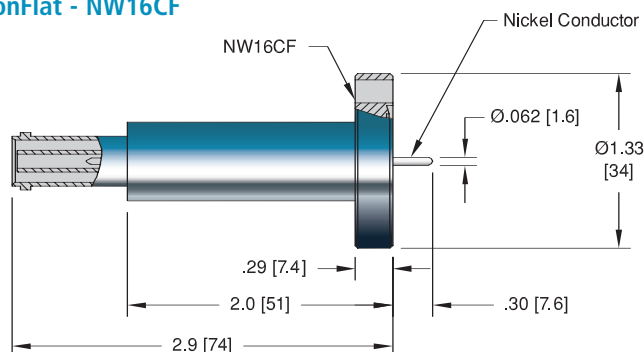
SHV 10 KV - Recessed Insulator Weldable



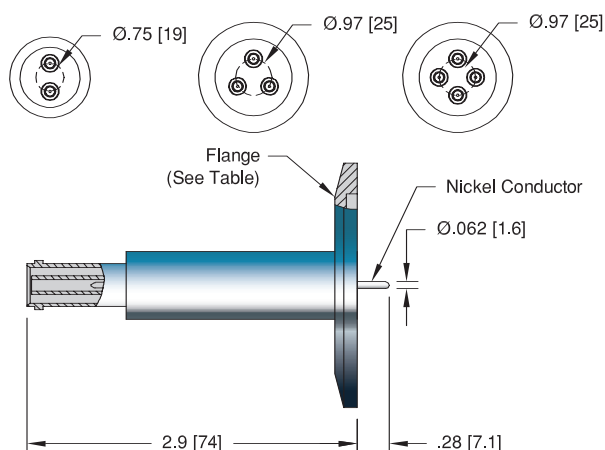
ISO KF - NW16KF



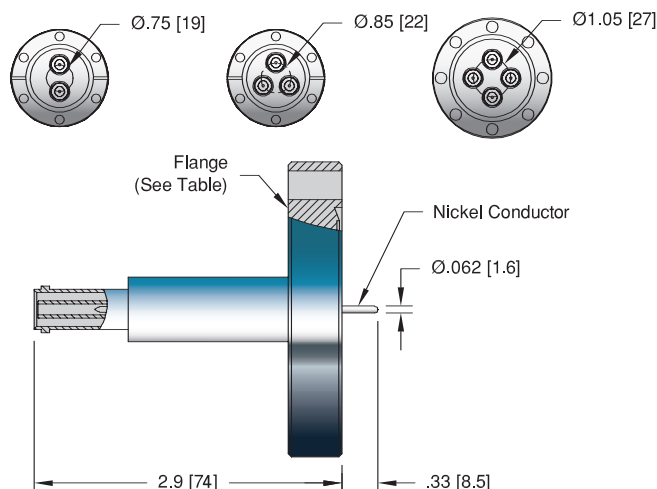
ConFlat - NW16CF



ISO KF



ConFlat



Specifications Materials

Housing: 304 Stainless steel
Pin: Nickel
Insulation: Alumina ceramic
Magnetic Materials: Yes

Voltage Rating 10 kV DC

Current Rating 10 Amps

Temperature Range -269°C to 450°C, ISO KF -25°C to 205°C

Pressure @ 20°C 120 PSIG (8.3 Bar), ISO KF 0 PSIG

Weldable



NO. PINS	INSTALLATION	PART NUMBER
1	Weld	17217-01-W

ISO FLANGE

1	NW25KF	17218-01-KF
1	NW40KF	18000-07-KF
2	NW40KF	18000-01-KF
3	NW50KF	18000-03-KF
4	NW50KF	18000-05-KF

ISO KF



CONFLAT FLANGE

1	1 1/3" (NW16CF)	17219-01-CF
1	2 3/4" (NW35CF)	18001-07-CF
2	2 3/4" (NW35CF)	18001-01-CF
3	2 3/4" (NW35CF)	18001-03-CF
4	3 3/8" (NW50CF)	18001-05-CF

ConFlat



Air Side Plug



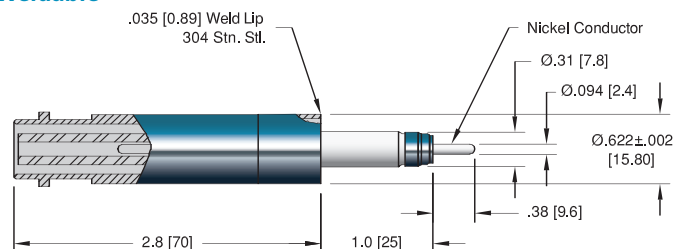
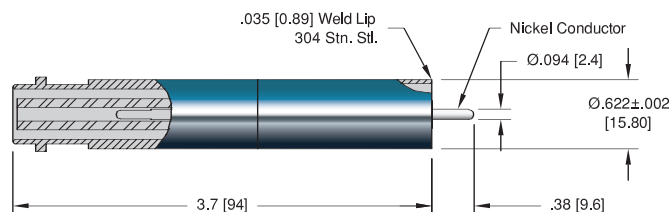
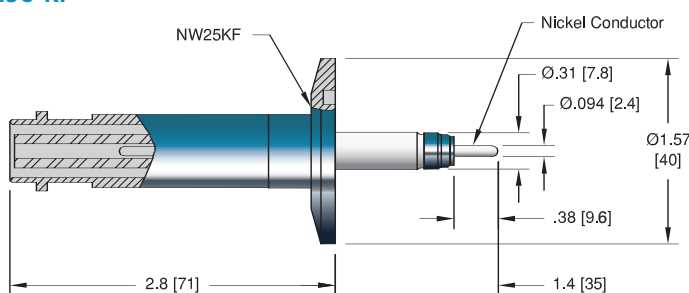
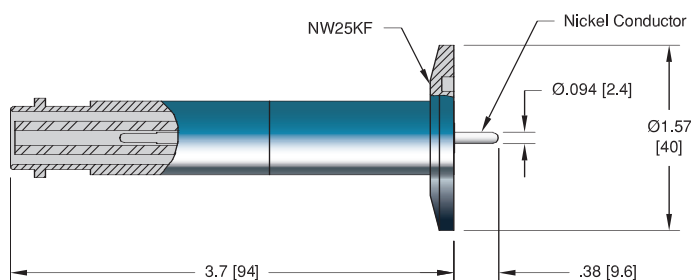
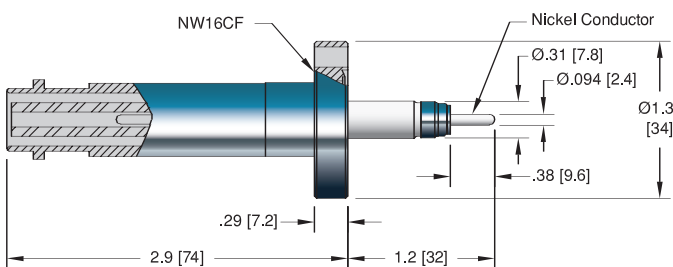
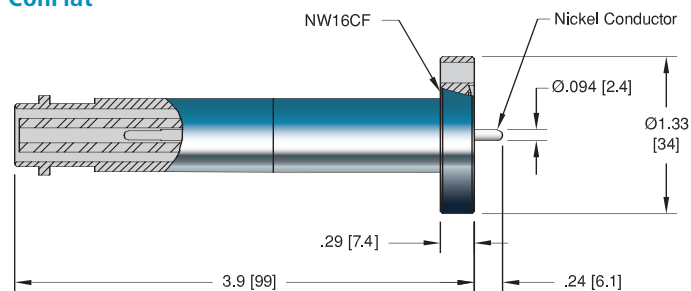
TYPE	VOLTAGE DC	CONDUCTOR AMPS	DIMENSIONS H	DIMENSIONS L	DESCRIPTION	PART NUMBER
Air Side	10 kV	10	0.56 [14]	1.8 [46]	SHV 10 kV Plug	8058-02

Contacts



TYPE	MATERIAL	DESCRIPTION	PART NUMBER
0.062 Crimp Contacts	Nickel Alloy	Accepts wire up to 0.062 [1.6]	0821-01-A [†]
0.062 Crimp Contacts	Beryllium Copper	Accepts wire up to 0.062 [1.6]	2044-02-A
0.062 Barrel Type Contacts	Beryllium Copper	Accepts wire up to 0.062 [1.6]	7332-03-A
Crimp Tool		For 0.025" - 0.075" Diameters	2840-05

*Contacts priced and sold in packages of 10. [†]Shown in photo. See the Accessories section for more information on all accessories.

**SHV 20 KV - Exposed Insulator
Weldable****SHV 20 KV - Recessed Insulator
Weldable****ISO KF****ISO KF****ConFlat****ConFlat****Specifications****Materials**

Housing: 304 Stainless steel

Pin: Nickel

Insulation: Alumina ceramic

Magnetic Materials: Yes

Voltage Rating 20 kV DC**Current Rating** 16.5 Amps**Temperature Range** -269°C to 450°C, ISO KF -25°C to 205°C**Pressure @ 20°C** 250 PSIG (17 Bar), ISO KF 0 PSIG