SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

EMI/RFI UNIVERSAL TERMINATION BACKSHELLS

FOR SHIELDING, OVER MOLDING AND SHRINK BOOT APPLICATIONS WITH M85049/128 BANDS, CONSTANT FORCE SPRINGS & HEAT SHRINKABLE RINGS

Primary Markets:

- High Vibration
- Industrial Machinery
- Railway/Transit
- Ship Board

Environmental Applications:

- HMI Lighting
- Combat Vehicles
- Aircraft

SPACECRAFT COMPONENTS CORP.

CATALOG 475

SPACECRAFT AT A GLANCE

Founded in 1962, Spacecraft is a family-owned, leading manufacturer and distributor of cylindrical connectors for the railways/transit, military, aerospace and various harsh environment markets.

As a Manufacturer, Spacecraft's core focus is manufacturing reverse bayonet connectors geared towards railway and transit applications. Our extensive engineering and manufacturing experience with reverse bayonet connectors provides us with the opportunity to offer a broad range of derivative cylindrical products in a short period of time with an assurance of exceptional quality.

As a Distributor, Spacecraft has developed key partnerships with world-class manufacturers whose products encompass MIL-SPEC and harsh environment industrial connectors. We are an authorized MIL-STD-790 value-added assembler for our principal connector manufacturers, such as Souriau, Corsair, Sunbank and Astro Tool Corp. We stock a wide and deep variety of QPL components which enables us to provide a vast assortment of completed QPL connectors within a three-day turnaround.

As an Organization, Spacecraft prides itself on providing consultative service by utilizing our greatest asset: Our people!

Spacecraft invites you to tour our best-in-class facility located in North Las Vegas, Nevada, USA.

Spacecraft's Core Values

- AS9100/ISO 9001 Registered
- MIL-STD-790 Certified
- Technical Solutions Oriented
- A Consultative Sales Team
- Vertically Integrated
- Supporter of the Buy American Act

48 Hour Power

You have our commitment to assemble and deliver stock-to-build products from Souriau and Corsair within 48 Hours.

CIDS (Connector Identification System)

Your Online Source for MIL-SPEC Cylindrical Connectors

- Access to MIL-SPEC Data Sheets in an Instant
- Identify Crimp Tools for Your Contacts
- Identify the Mating Connector
- Identify the Accessories for Your Connector

AS 9100 IAPMO R&T · ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY · ISO 9001 IAPMO R&T · International Traffic in Arms Regulations ITAR Compliant · RoHS

Exceeding Your Quality Expectations

Spacecraft Components Corp. warrants to the original purchaser that it will correct by replacement any defect in workmanship or in-operation of any component purchased from Spacecraft Components Corp. for the life of the equipment in which the component is originally and properly installed. This agreement and warranty supersedes all other warranties expressed or implied.

Mission Statement

To provide a work environment where our employees can meet their potential and thrive in an atmosphere of excellence by utilizing their strengths and attributes towards supporting our customers, thereby providing superior products and exceptional service which helps our customers gain a competitive advantage in their markets.

Locations

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EMI/RFI UNIVERSAL TERMINATION BACKSHELLS

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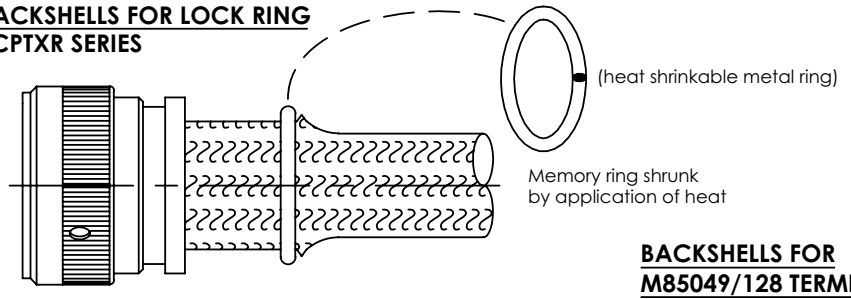
TERMINATION STYLES

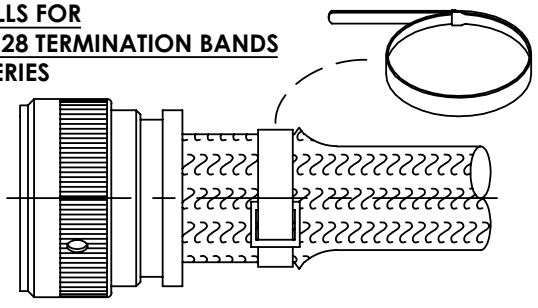
There are a variety of methods for terminating screening braids to backshells, many of which are covered within Spacecraft's standard range of backshells shown below.

BACKSHELLS FOR LOCK RING
SCPTXR SERIES

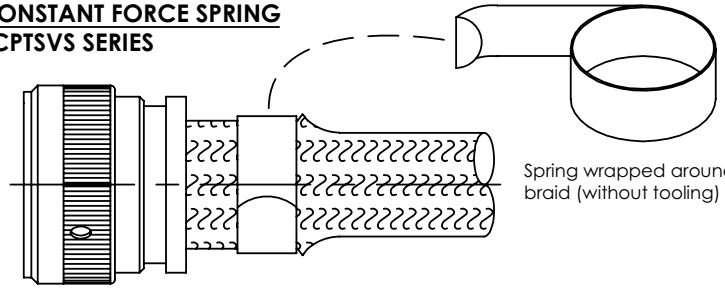


BACKSHELLS FOR
M85049/128 TERMINATION BANDS
SCPSVT SERIES

For Integrated backshell version, see catalog 601
(For weightt reduction, reduced cost
and elimination of a component)
* Consult sales for dimensions



BACKSHELLS FOR
CONSTANT FORCE SPRING
SCPTSVS SERIES



LOCK RING BACKSHELL
MIL-DTL-26482 SERIES I, SOLDER

SCPTXR 21 A Z 00 16 08 A S

SERIES PREFIX
- **SCPTXR** Lock Ring Backshell.
- **SCPSVT** Backshell to use with M85049/128 Termination Bands.
- **SCPSVS** Backshell to use with Constant Force Springs.

CONNECTOR INTERFACE
- **21** MIL-DTL-26482, Series I.

MATERIAL
- **A** Aluminum Alloy.
- **B** Nickel Aluminum Bronze Per ASTM B150.
- **S** Stainless Steel Per QQ-S-763.

FINISH
- **A** Non-conductive hard anodize.
- **N** Electroless Nickel.
- **W** Conductive cadmium plate over nickel, olive drab finish.
- **X** Nickel fluorocarbon polymer.
- **Y** Pure electro-deposited aluminum.
- **Z** Zinc nickel.

ANGLE
- **00** Straight.
- **45** 45 Degree.
- **90** 90 Degree.

DASH NUMBER
(Table I)

ENTRY SIZE
(Table II)

TERMINATION OPTION

SCPTXR	SCPSVT	SCPSVS
A 36 AWG	**B1** .245 Flat Band SCPSE-02F	**F1** SC91-40361
B 36 AWG	**B3** .242 Flat Band SCPBE-02F	**F2** SC91-40362
C 30 AWG	**B5** .118 Flat Band SCPSE-04F	**F3** SC91-40363
—	**B7** .120 Flat Band SCPBE-04F	**F4** SC91-40364

MODIFICATION CODE
Consult Sales.

TABLE I

DASH NO.	SHELL SIZE	A THREAD	B MAX.	MAX. ENTRY	C +.020 [±0.5]	D ±.020 [±0.5]	E ±.020 [±0.5]	T ±.020 [±0.5]	W ±.020 [±0.5]
08	08	7/16-28 UNEF	.711 [18.05]	04	.547 [13.9]	1.055 [26.8]	1.031 [26.20]	.689 [17.5]	.984 [25.0]
10	10	9/16-24 UNEF	.848 [21.55]	06	.579 [14.7]	1.083 [27.5]	1.100 [27.95]	.732 [18.6]	1.102 [28.0]
12	12	11/16-24 UNEF	.970 [24.65]	08	.594 [15.1]	1.102 [28.0]	1.159 [29.45]	.807 [20.5]	1.240 [31.5]
14	14	13/16-20 UNEF	1.089 [27.65]	10	.630 [16.0]	1.142 [29.0]	1.220 [31.00]	.886 [22.5]	1.378 [35.0]
16	16	15/16-20 UNEF	1.222 [31.05]	12	.642 [16.3]	1.169 [29.7]	1.287 [32.70]	.945 [24.0]	1.496 [38.0]
18	18	1 1/16-18 UNEF	1.352 [34.35]	12	.681 [17.3]	1.201 [30.5]	1.348 [34.25]	1.024 [26.0]	1.634 [41.5]
20	20	1 3/16-18 UNEF	1.478 [37.55]	14	.713 [18.1]	1.217 [30.9]	1.409 [35.80]	1.102 [28.0]	1.772 [45.0]
22	22	1 5/16-18 UNEF	1.596 [40.55]	16	.728 [18.5]	1.224 [31.1]	1.472 [37.40]	1.161 [29.5]	1.890 [48.0]
24	24	1 7/16-18 UNEF	1.715 [43.55]	18	.760 [19.3]	1.264 [32.1]	1.531 [38.90]	1.220 [31.0]	2.008 [51.0]

TABLE II

ENTRY SIZE	ØZ MIN.	ØS	ØY ±.012 [±0.3]	ØK MAX.	F ±.020 [±0.5]	G ±.020 [±0.5]	H ±.020 [±0.5]	M ±.020 [±0.5]	J ±.020 [±0.5]
04	.250 [6.35]	.374 ±.002 [9.49 ±0.04]	.551 [14.00]	N/A	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.435 ±.002 [11.06 ±0.04]	.610 [15.50]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
06	.375 [9.53]	.498 ±.002 [12.66 ±0.04]	.673 [17.10]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
07	.437 [11.10]	.559 ±.003 [14.21 ±0.07]	.736 [18.70]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
08	.500 [12.70]	.622 ±.003 [15.81 ±0.07]	.799 [20.30]	.965 [24.5]	.516 [13.1]	1.102 [28.0]	1.063 [27.0]	.669 [17.0]	1.159 [29.45]
10	.625 [15.88]	.746 ±.003[18.96 ±0.08]	.925 [23.50]	1.142 [29.0]	.531 [13.5]	1.142 [29.0]	1.220 [31.0]	.768 [19.5]	1.220 [31.00]
12	.750 [19.05]	.872 ±.003 [22.14 ±0.08]	1.051 [26.70]	1.280 [32.5]	.571 [14.5]	1.169 [29.7]	1.339 [34.0]	.827 [21.0]	1.287 [32.70]
14	.875 [22.23]	.996 ±.003 [25.30 ±0.08]	1.173 [29.80]	1.398 [35.5]	.610 [15.5]	1.201 [30.5]	1.378 [35.0]	.787 [20.0]	1.348 [34.25]
16	1.000 [25.40]	1.121 ±.003 [28.48 ±0.08]	1.299 [33.00]	1.457 [37.0]	.634 [16.1]	1.217 [30.9]	1.496 [38.0]	.846 [21.5]	1.409 [35.80]
18	1.125 [28.58]	1.246 ±.003 [31.65 ±0.08]	1.425 [36.20]	1.575 [40.0]	.650 [16.5]	1.224 [31.1]	1.654 [42.0]	.945 [24.0]	1.472 [37.40]
20	1.250 [31.75]	1.371 ±.003 [34.83 ±0.08]	1.551 [39.40]	1.713 [43.5]	.669 [17.0]	1.264 [32.1]	1.772 [45.0]	1.004 [25.5]	1.531 [38.90]
22	1.375 [34.93]	1.495 ±.003 [37.98 ±0.08]	1.673 [42.50]	1.909 [48.5]	.728 [18.5]	1.390 [35.3]	2.146 [54.5]	1.220 [31.0]	1.654 [42.00]
24	1.500 [38.10]	1.620 ±.003 [41.15 ±0.08]	1.799 [45.70]	2.051 [52.1]	.862 [21.9]	1.500 [38.1]	2.283 [58.0]	1.299 [33.0]	1.811 [46.00]

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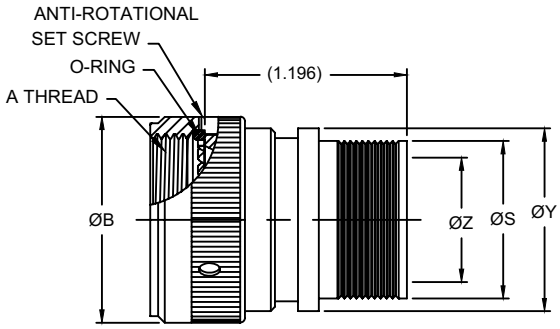
LOCK RING BACKSHELL
MIL-DTL-26482 SERIES I, SOLDER



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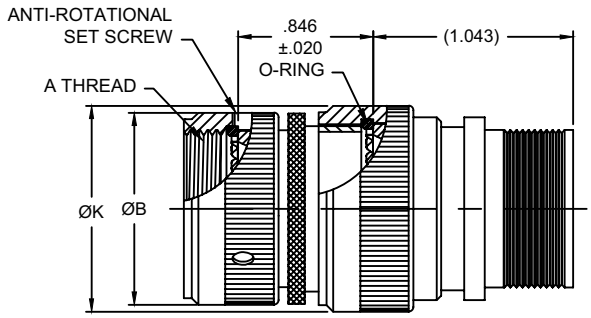
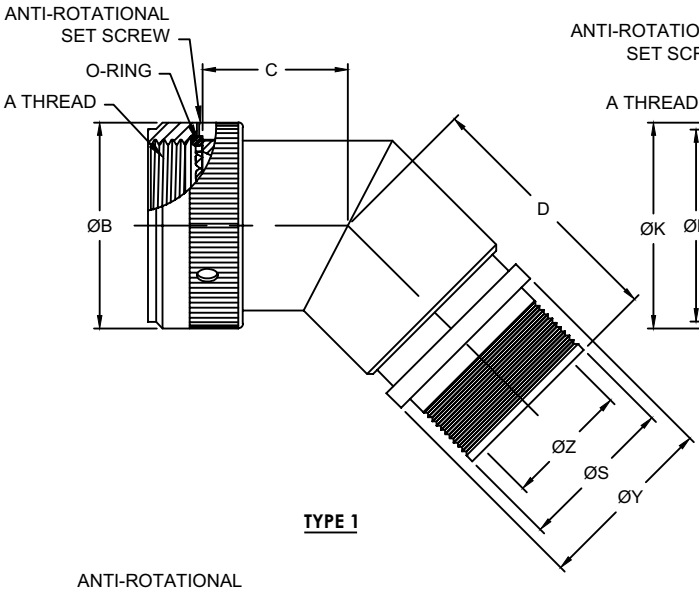


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



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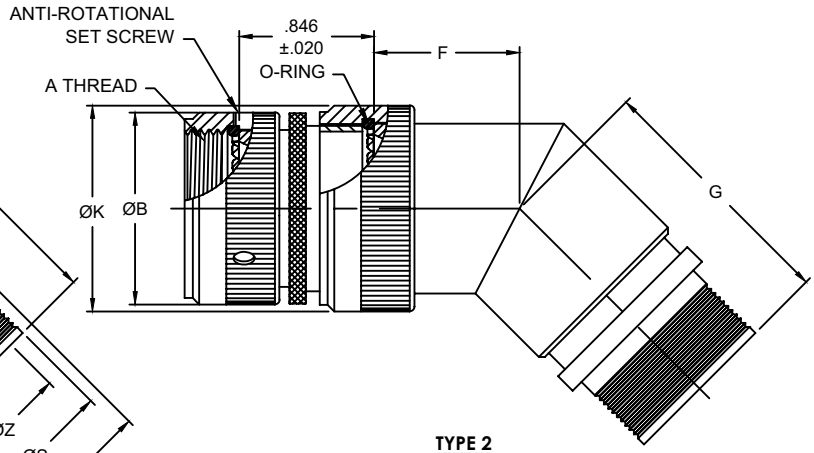
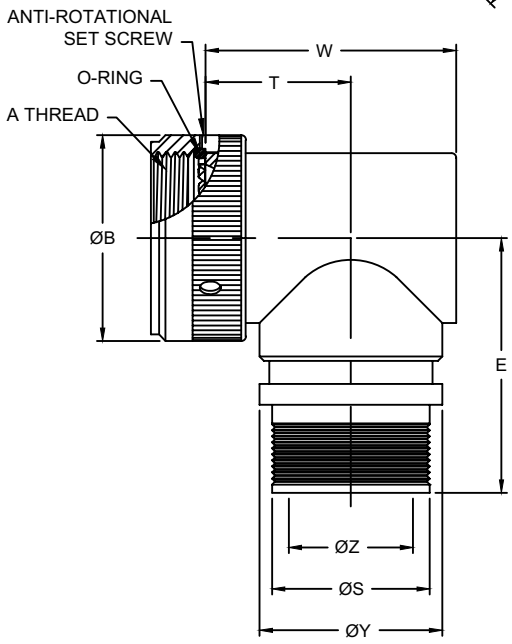


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



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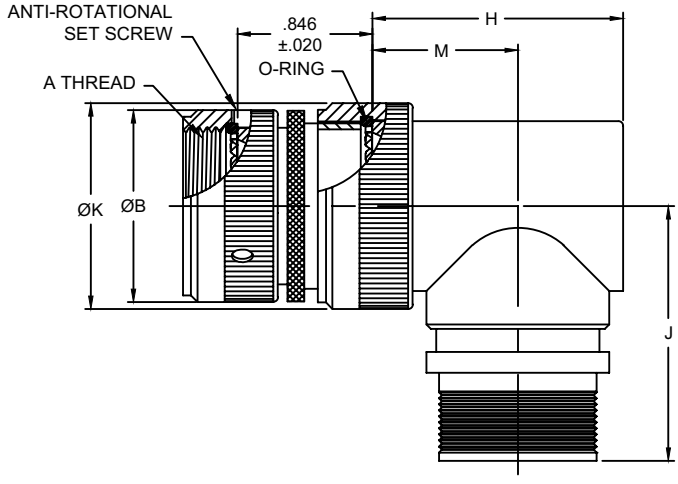

TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

LOCK RING BACKSHELL
MIL-DTL-22992, CLASSES C, J & R

SCPTXR 32 A Z 00 16 08 A S

SERIES PREFIX
- **SCPTXR** Lock Ring Backshell.
- **SCPSVT** Backshell to use with M85049/128 Termination Bands.
- **SCPSVS** Backshell to use with Constant Force Springs.

CONNECTOR INTERFACE
- **32** MIL-DTL-22992.

MATERIAL
- **A** Aluminum Alloy.
- **B** Nickel Aluminum Bronze Per ASTM B150.
- **S** Stainless Steel Per QQ-S-763.

FINISH
- **A** Non-conductive hard anodize.
- **N** Electroless Nickel.
- **W** Conductive cadmium plate over nickel, olive drab finish.
- **X** Nickel fluorocarbon polymer.
- **Y** Pure electro-deposited aluminum.
- **Z** Zinc nickel.

ANGLE
- **00** Straight.
- **45** 45 Degree.
- **90** 90 Degree.

DASH NUMBER
(Table I)

ENTRY SIZE
(Table II)

TERMINATION OPTION

SCPTXR	SCPSVT	SCPSVS
A 36 AWG	**B1** .245 Flat Band SCPSE-02F	**F1** SC91-40361
B 36 AWG	**B3** .242 Flat Band SCPBE-02F	**F2** SC91-40362
C 30 AWG	**B5** .118 Flat Band SCPSE-04F	**F3** SC91-40363
—	**B7** .120 Flat Band SCPBE-04F	**F4** SC91-40364

MODIFICATION CODE
Consult Sales.

TABLE I

DASH NO.	SHELL SIZE	A LEFT HAND THREAD	B MAX.	MAX. ENTRY	C MAX.	D MAX.	E ±.020 [±0.5]	T ±.020 [±0.5]	W ±.020 [±0.5]
12	12	3/4-20 UNEF	1.071 [27.2]	08	1.142 [29.0]	1.122 [28.5]	1.161 [29.5]	1.181 [30.0]	1.614 [41.0]
14	14	7/8-20 UNEF	1.189 [30.2]	10	1.169 [29.7]	1.161 [29.5]	1.220 [31.0]	1.240 [31.5]	1.732 [44.0]
16	16	1-20 UNEF	1.319 [33.5]	12	1.181 [30.0]	1.189 [30.2]	1.287 [32.7]	1.272 [32.3]	1.803 [45.8]
18	18	1 1/8-18 UNEF	1.441 [36.6]	14	1.209 [30.7]	1.220 [31.0]	1.350 [34.3]	1.417 [36.0]	2.028 [51.5]
20	20	1 1/4-18 UNEF	1.571 [39.9]	16	1.228 [31.2]	1.236 [31.4]	1.409 [35.8]	1.465 [37.2]	2.154 [54.7]
22	22	1 3/8-18 UNEF	1.689 [42.9]	18	1.260 [32.0]	1.244 [31.6]	1.472 [37.4]	1.516 [38.5]	2.240 [56.9]
24	24	1 5/8-18 UNEF	2.071 [52.6]	22	1.319 [33.5]	1.283 [32.6]	1.650 [41.9]	1.728 [43.9]	2.638 [67.0]
28	28	1 7/8-16 UN	2.319 [58.9]	24	1.370 [34.8]	1.299 [33.0]	1.783 [45.3]	1.823 [46.3]	2.807 [71.3]
32	32	2 1/16-16 UNS	2.571 [65.3]	24	1.429 [36.3]	1.280 [32.5]	1.906 [48.4]	2.047 [52.0]	3.209 [81.5]
36	36	2 5/16-16 UNS	2.819 [71.6]	24	1.480 [37.6]	1.331 [33.8]	2.024 [51.4]	2.079 [52.8]	3.339 [84.8]
40	40	2 5/8-18 UN	3.071 [78.0]	24	1.531 [38.9]	1.390 [35.3]	2.150 [54.6]	2.189 [55.6]	3.543 [90.0]
44	44	2 7/8-16 UNS	3.268 [83.0]	28	1.594 [40.5]	1.457 [37.0]	2.272 [57.7]	2.244 [57.0]	3.661 [93.0]

TABLE II

ENTRY SIZE	ØZ MIN.	ØS	ØY ±.012 [±0.3]	ØK MAX.	F ±.020 [±0.5]	G ±.020 [±0.5]	H ±.020 [±0.5]	M ±.020 [±0.5]	J ±.020 [±0.5]
04	.250 [6.35]	.374 ±.002 [9.49 ±0.04]	.551 [14.00]	N/A	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.435 ±.002 [11.06 ±0.04]	.610 [15.50]	N/A	N/A	N/A	N/A	N/A	N/A
06	.375 [9.53]	.498 ±.002 [12.66 ±0.04]	.673 [17.10]	N/A	N/A	N/A	N/A	N/A	N/A
07	.437 [11.10]	.559 ±.003 [14.21 ±0.07]	.736 [18.70]	N/A	N/A	N/A	N/A	N/A	N/A
08	.500 [12.70]	.622 ±.003 [15.81 ±0.07]	.799 [20.30]	N/A	N/A	N/A	N/A	N/A	N/A
10	.625 [15.88]	.746 ±.003 [18.96 ±0.08]	.925 [23.50]	1.142 [29.0]	.531 [13.5]	1.142 [29.0]	1.220 [31.0]	.768 [19.5]	1.220 [31.00]
12	.750 [19.05]	.872 ±.003 [22.14 ±0.08]	1.051 [26.70]	1.280 [32.5]	.571 [14.5]	1.169 [29.7]	1.339 [34.0]	.827 [21.0]	1.287 [32.70]
14	.875 [22.23]	.996 ±.003 [25.30 ±0.08]	1.173 [29.80]	1.398 [35.5]	.610 [15.5]	1.201 [30.5]	1.378 [35.0]	.787 [20.0]	1.348 [34.25]
16	1.000 [25.40]	1.121 ±.003 [28.48 ±0.08]	1.299 [33.00]	1.457 [37.0]	.634 [16.1]	1.217 [30.9]	1.496 [38.0]	.846 [21.5]	1.409 [35.80]
18	1.125 [28.58]	1.246 ±.003 [31.65 ±0.08]	1.425 [36.20]	1.575 [40.0]	.650 [16.5]	1.224 [31.1]	1.654 [42.0]	.945 [24.0]	1.472 [37.40]
20	1.250 [31.75]	1.371 ±.003 [34.83 ±0.08]	1.551 [39.40]	1.713 [43.5]	.670 [17.0]	1.264 [32.1]	1.772 [45.0]	1.004 [25.5]	1.531 [38.90]
22	1.375 [34.93]	1.495 ±.003 [37.98 ±0.08]	1.673 [42.50]	1.909 [48.5]	.728 [18.5]	1.390 [35.3]	2.146 [54.5]	1.220 [31.0]	1.654 [42.00]
24	1.500 [38.10]	1.620 ±.003 [41.15 ±0.08]	1.799 [45.70]	2.051 [52.1]	.826 [21.9]	1.500 [38.1]	2.283 [58.0]	1.299 [33.0]	1.811 [46.00]
28	1.750 [44.45]	1.870 ±.003 [47.50 ±0.08]	2.047 [52.00]	2.303 [58.5]	1.059 [26.9]	1.748 [44.4]	2.579 [65.5]	1.437 [36.5]	2.012 [51.10]

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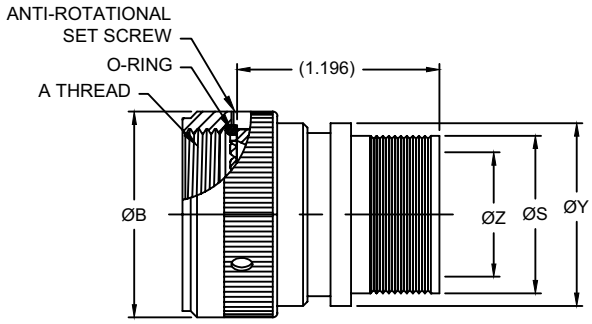
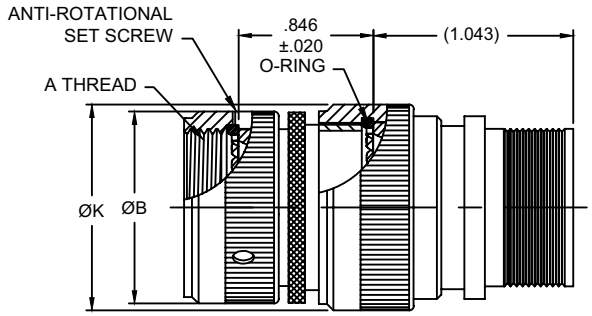
LOCK RING BACKSHELL
MIL-DTL-22992, CLASSES C, J & R

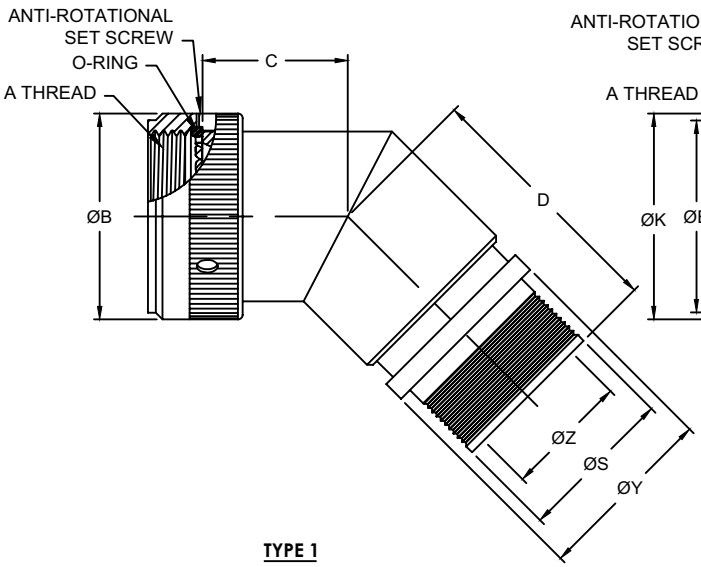


TYPE 1

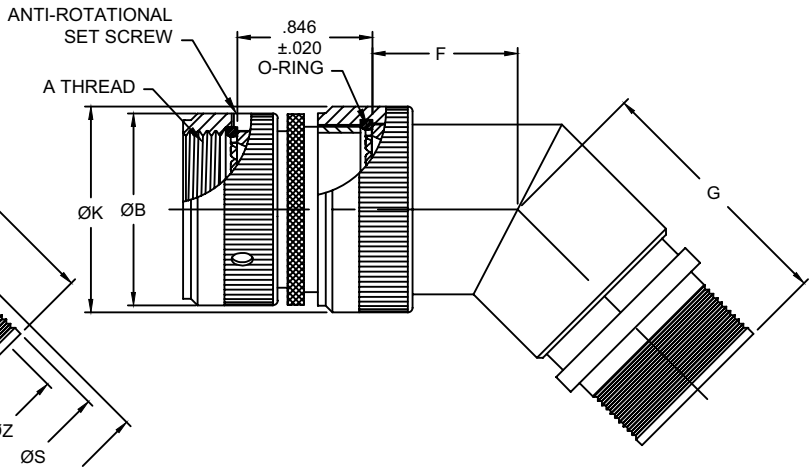


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

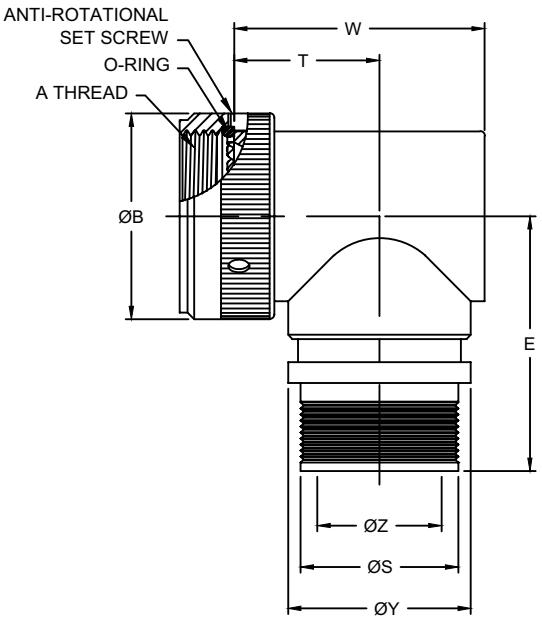


TYPE 1

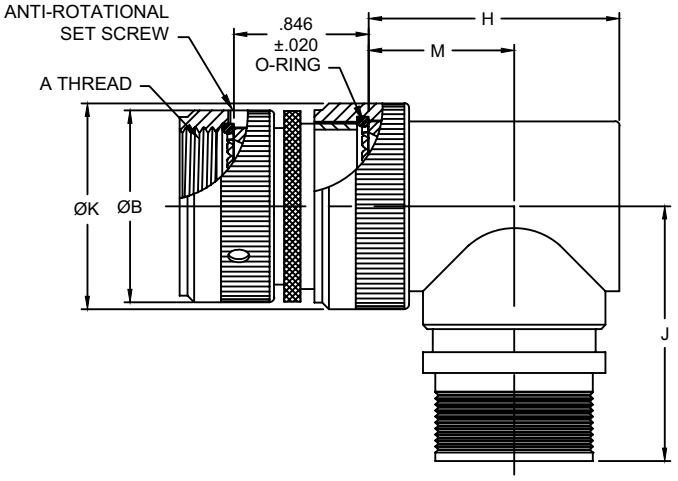


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



TYPE 1



TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

LOCK RING BACKSHELL
MIL-DTL-38999 SERIES III & IV

SCPTXR 40 A Z 00 16 08 A S

SERIES PREFIX
- **SCPTXR** Lock Ring Backshell.
- **SCPSVT** Backshell to use with M85049/128 Termination Bands.
- **SCPSVS** Backshell to use with Constant Force Springs.

CONNECTOR INTERFACE
- **40** MIL-DTL-38999, Series III & IV.

MATERIAL
- **A** Aluminum Alloy.
- **B** Nickel Aluminum Bronze Per ASTM B150.
- **S** Stainless Steel Per QQ-S-763.

FINISH
- **A** Non-conductive hard anodize.
- **N** Electroless Nickel.
- **W** Conductive cadmium plate over nickel, olive drab finish.
- **X** Nickel fluorocarbon polymer.
- **Y** Pure electro-deposited aluminum.
- **Z** Zinc nickel.

ANGLE
- **00** Straight.
- **45** 45 Degree.
- **90** 90 Degree.

DASH NUMBER
(Table I)

ENTRY SIZE
(Table II)

TERMINATION OPTION

SCPTXR	SCPSVT	SCPSVS
A 36 AWG	**B1** .245 Flat Band SCPSE-02F	**F1** SC91-40361
B 36 AWG	**B3** .242 Flat Band SCPBE-02F	**F2** SC91-40362
C 30 AWG	**B5** .118 Flat Band SCPSE-04F	**F3** SC91-40363
—	**B7** .120 Flat Band SCPBE-04F	**F4** SC91-40364

SELF-LOCKING
Leave Blank for Non Self-Locking.

MODIFICATION CODE
Consult Sales.

TABLE I

ORDER NO.	SHELL SIZE		A THREAD	B MAX.	MAX. ENTRY	C ±.020 [±0.5]	D ±.020 [±0.5]	E ±.020 [±0.5]	T ±.020 [±0.5]	W ±.020 [±0.5]
08	09	A	M12 x 1.0	.709 [18.0]	04	.472 [12.0]	1.055 [26.8]	1.031 [26.20]	.551 [14.0]	.827 [21.0]
10	11	B	M15 x 1.0	.827 [21.0]	07	.492 [12.5]	1.083 [27.5]	1.100 [27.95]	.610 [15.5]	.945 [24.0]
12	13	C	M18 x 1.0	.965 [24.5]	08	.516 [13.1]	1.102 [28.0]	1.159 [29.45]	.669 [17.0]	1.063 [27.0]
14	15	D	M22 x 1.0	1.142 [29.0]	10	.531 [13.5]	1.142 [29.0]	1.220 [31.00]	.768 [19.5]	1.220 [31.0]
16	17	E	M25 x 1.0	1.280 [32.5]	12	.571 [14.5]	1.169 [29.7]	1.287 [32.70]	.827 [21.0]	1.339 [34.0]
18	19	F	M28 x 1.0	1.398 [35.5]	14	.610 [15.5]	1.201 [30.5]	1.348 [34.25]	.787 [20.0]	1.378 [35.0]
20	21	G	M31 x 1.0	1.457 [37.0]	16	.634 [16.1]	1.217 [30.9]	1.409 [35.80]	.846 [21.5]	1.496 [38.0]
22	23	H	M34 x 1.0	1.575 [40.0]	18	.650 [16.5]	1.224 [31.1]	1.472 [37.40]	.945 [24.0]	1.654 [42.0]
24	25	J	M37 x 1.0	1.713 [43.5]	20	.669 [17.0]	1.264 [32.1]	1.531 [38.90]	1.004 [25.5]	1.772 [45.0]

TABLE II

ENTRY SIZE	ØZ MIN.	ØS	ØY ±.012 [±0.3]	ØK MAX.	F ±.020 [±0.5]	G ±.020 [±0.5]	H ±.020 [±0.5]	M ±.020 [±0.5]	J ±.020 [±0.5]
04	.250 [6.35]	.374 ±.002 [9.49 ±0.04]	.551 [14.00]	N/A	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.435 ±.002 [11.06 ±0.04]	.610 [15.50]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
06	.375 [9.53]	.498 ±.002 [12.66 ±0.04]	.673 [17.10]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
07	.437 [11.10]	.559 ±.003 [14.21 ±0.07]	.736 [18.70]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
08	.500 [12.70]	.622 ± 003 [15.81 ±0.07]	.799 [20.30]	.965 [24.5]	.516 [13.1]	1.102 [28.0]	1.063 [27.0]	.669 [17.0]	1.159 [29.45]
10	.625 [15.88]	.746 ± 003 [18.96 ±0.08]	.925 [23.50]	1.142 [29.0]	.531 [13.5]	1.142 [29.0]	1.220 [31.0]	.768 [19.5]	1.220 [31.00]
12	.750 [19.05]	.872 ± 003 [22.14 ±0.08]	1.051 [26.70]	1.280 [32.5]	.571 [14.5]	1.169 [29.7]	1.339 [34.0]	.827 [21.0]	1.287 [32.70]
14	.875 [22.23]	.996 ±.003 [25.30 ±0.08]	1.173 [29.80]	1.398 [35.5]	.610 [15.5]	1.201 [30.5]	1.378 [35.0]	.787 [20.0]	1.348 [34.25]
16	1.000 [25.40]	1.121 ± 003 [28.48 ±0.08]	1.299 [33.00]	1.457 [37.0]	.634 [16.1]	1.217 [30.9]	1.496 [38.0]	.846 [21.5]	1.409 [35.80]
18	1.125 [28.58]	1.246 ±.003 [31.65 ±0.08]	1.425 [36.20]	1.575 [40.0]	.650 [16.5]	1.224 [31.1]	1.654 [42.0]	.945 [24.0]	1.472 [37.40]
20	1.250 [31.75]	1.371 ±.003 [34.83 ±0.08]	1.551 [39.40]	1.713 [43.5]	.670 [17.0]	1.264 [32.1]	1.772 [45.0]	1.004 [25.5]	1.531 [38.90]
22	1.375 [34.93]	1.495 ±.003 [37.98 ±0.08]	1.673 [42.50]	1.909 [48.5]	.728 [18.5]	1.390 [35.3]	2.146 [54.5]	1.220 [31.0]	1.654 [42.00]
24	1.500 [38.10]	1.620 ±.003 [41.15 ±0.08]	1.799 [45.70]	2.051 [52.1]	.862 [21.9]	1.500 [38.1]	2.283 [58.0]	1.299 [33.0]	1.811 [46.00]

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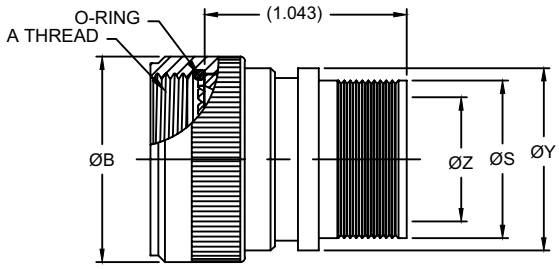
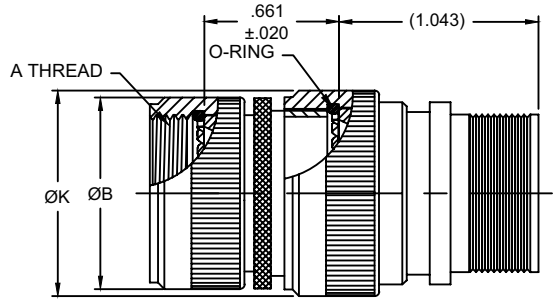
LOCK RING BACKSHELL
MIL-DTL-38999 SERIES III & IV

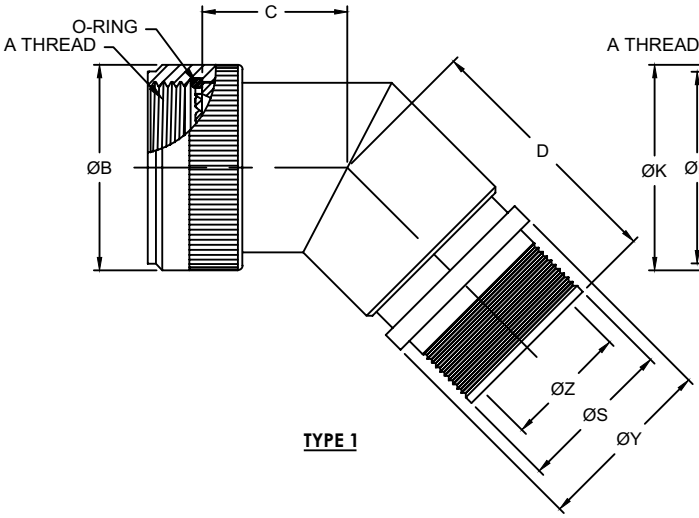


TYPE 1

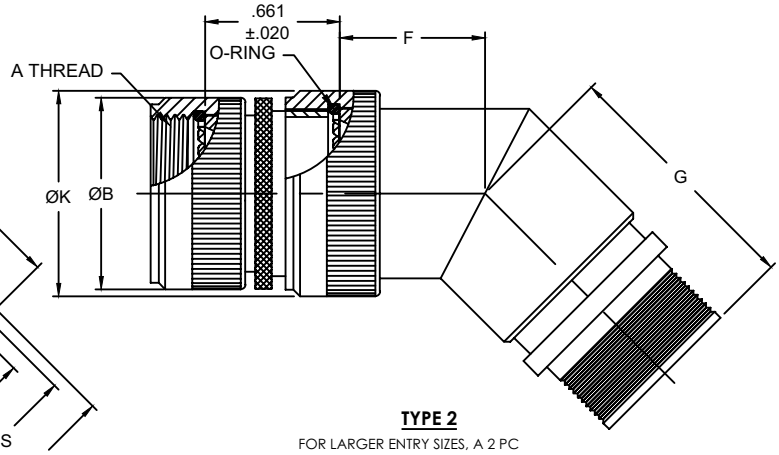


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

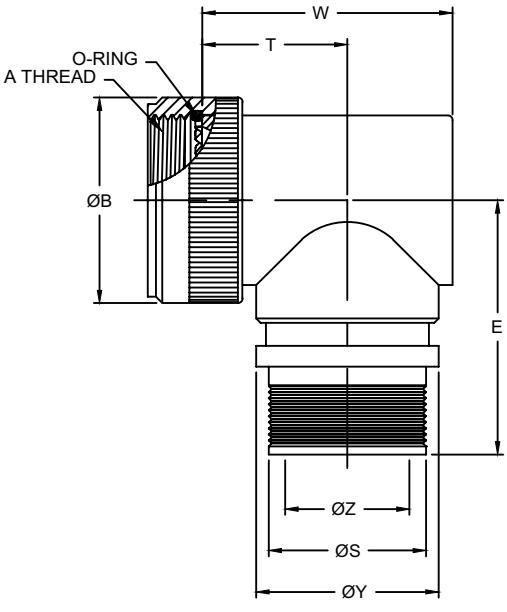


TYPE 1

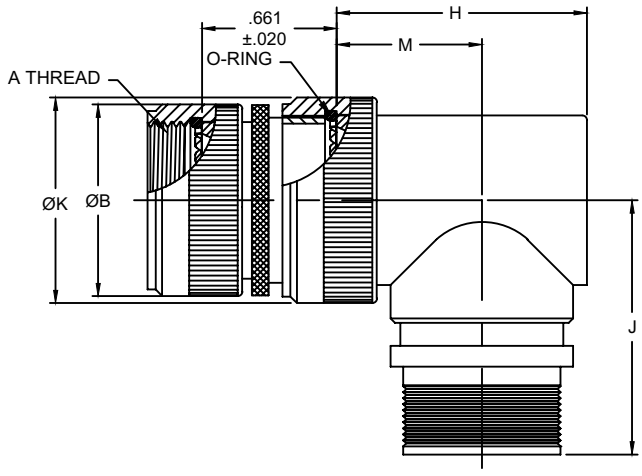


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



TYPE 1



TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

LOCK RING BACKSHELL
MIL-DTL-38999 SERIES I & II

SCPTXR 41 A Z 00 16 08 A S

SERIES PREFIX
- **SCPTXR** Lock Ring Backshell.
- **SCPSVT** Backshell to use with M85049/128 Termination Bands.
- **SCPSVS** Backshell to use with Constant Force Springs.

CONNECTOR INTERFACE
- **41** MIL-DTL-38999, Series I & II.

MATERIAL
- **A** Aluminum Alloy.
- **B** Nickel Aluminum Bronze Per ASTM B150.
- **S** Stainless Steel Per QQ-S-763.

FINISH
- **A** Non-conductive hard anodize.
- **N** Electroless Nickel.
- **W** Conductive cadmium plate over nickel, olive drab finish.
- **X** Nickel fluorocarbon polymer.
- **Y** Pure electro-deposited aluminum.
- **Z** Zinc nickel.

ANGLE
- **00** Straight.
- **45** 45 Degree.
- **90** 90 Degree.

DASH NUMBER
(Table I)

ENTRY SIZE
(Table II)

TERMINATION OPTION

SCPTXR	SCPSVT	SCPSVS
A 36 AWG	**B1** .245 Flat Band SCPSE-02F	**F1** SC91-40361
B 36 AWG	**B3** .242 Flat Band SCPBE-02F	**F2** SC91-40362
C 30 AWG	**B5** .118 Flat Band SCPSE-04F	**F3** SC91-40363
—	**B7** .120 Flat Band SCPBE-04F	**F4** SC91-40364

SELF LOCKING

TABLE I

DASH NO.	SHELL SIZE	A THREAD	B MAX.	MAX. ENTRY	C MAX.	D MAX.	E MAX.
08	08/09	.438-28 UNEF	.750 [19.1]	04	.69 [17.5]	.91 [23.1]	1.15 [29.2]
10	10/11	.562-24 UNEF	.850 [21.6]	06	.72 [18.3]	.93 [23.6]	1.21 [30.7]
12	12/13	.688-24 UNEF	1.000 [24.4]	08	.74 [18.8]	.96 [24.4]	1.28 [32.5]
14	14/15	.812-20 UNEF	1.142 [29.0]	10	.76 [19.3]	.98 [24.9]	1.34 [34.0]
16	16/17	.938-20 UNEF	1.250 [31.8]	12	.79 [20.1]	1.00 [25.4]	1.40 [35.6]
18	18/19	1.062-18 UNEF	1.400 [35.6]	12	.81 [20.6]	1.03 [26.2]	1.46 [37.1]
20	20/21	1.188-18 UNEF	1.500 [38.1]	14	.84 [21.3]	1.06 [26.9]	1.53 [38.9]
22	22/23	1.312-18 UNEF	1.650 [41.9]	16	.87 [22.1]	1.08 [27.4]	1.59 [40.4]
24	24/25	1.438-18 UNEF	1.750 [44.45]	18	.89 [22.6]	1.11 [28.2]	1.65 [41.9]

TABLE II

ENTRY SIZE	ØZ +.010 [0.25] -.020 [0.51]	ØS	ØY ±.015 [±0.38]	W MAX.	ØK MAX.	F MAX.	G MAX.	H MAX.	J MAX.
04	.250 [6.35]	.374 ±.003 [9.49 ±0.08]	.550 [13.97]	1.07 [27.2]	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.435 ±.003 [11.06 ±0.08]	.612 [15.54]	1.13 [28.7]	.80 [20.3]	.77 [19.6]	.93 [23.6]	1.19 [30.2]	1.16 [29.5]
06	.375 [9.52]	.498 ± 003 [12.66 ±0.08]	.675 [17.14]	1.19 [30.2]	.80 [20.3]	.77 [19.6]	.93 [23.6]	1.19 [30.2]	1.16 [29.5]
07	.437 [11.09]	.559 ± 003 [14.21 ±0.08]	.737 [18.71]	1.25 [31.8]	.92 [23.4]	.80 [20.3]	.95 [24.1]	1.38 [35.1]	1.22 [31.0]
08	.500 [12.70]	.622 ± 003 [15.81 ±0.08]	.800 [20.32]	1.32 [33.5]	.92 [23.4]	.80 [20.3]	.95 [24.1]	1.38 [35.1]	1.22 [31.0]
10	.625 [15.87]	.747 ±.005 [18.97 ±0.13]	.925 [23.49]	1.44 [36.6]	1.18 [30.0]	.84 [21.3]	1.00 [25.4]	1.51 [38.4]	1.35 [34.3]
12	.750 [19.05]	.872 ±.005 [22.14 ±0.13]	1.050 [26.67]	1.57 [39.9]	1.35 [34.3]	.86 [21.8]	1.01 [25.7]	1.63 [41.4]	1.40 [35.6]
14	.875 [22.23]	.996 ±.005 [25.30 ±0.13]	1.175 [29.84]	1.69 [42.9]	1.41 [35.8]	.88 [22.4]	1.04 [26.4]	1.78 [45.2]	1.46 [37.1]
16	1.000 [25.40]	1.121 ±.005 [28.48 ±0.13]	1.300 [33.02]	1.82 [46.2]	1.60 [40.6]	.91 [23.1]	1.06 [26.9]	1.88 [47.8]	1.53 [38.9]
18	1.125 [28.57]	1.246 ±.005 [31.65 ±0.13]	1.425 [36.20]	1.94 [49.3]	1.66 [42.2]	.93 [23.6]	1.09 [27.7]	2.01 [51.1]	1.59 [40.4]
20	1.250 [31.75]	1.371 ± 005 [34.83 ±0.13]	1.550 [39.37]	N/A	2.04 [51.8]	.98 [24.9]	1.13 [28.7]	2.13 [54.1]	1.78 [45.2]
22	1.375 [34.93]	1.495 ±.007 [37.98 ±0.18]	1.675 [42.55]	N/A	2.23 [56.6]	1.03 [26.2]	1.38 [35.1]	2.29 [58.2]	1.85 [47.0]
24	1.500 [38.10]	1.620 ± 007 [41.15 ±0.18]	1.800 [45.72]	N/A	2.23 [56.6]	1.08 [27.4]	1.44 [36.6]	2.42 [61.5]	1.92 [48.8]

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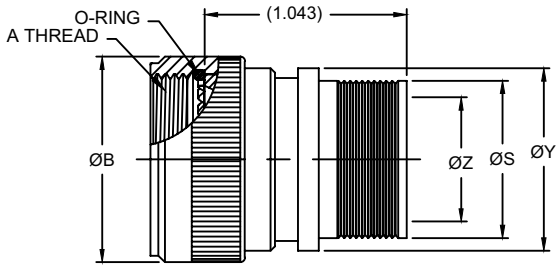
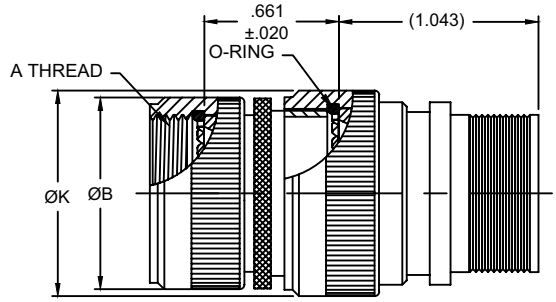
LOCK RING BACKSHELL
MIL-DTL-38999 SERIES I & II

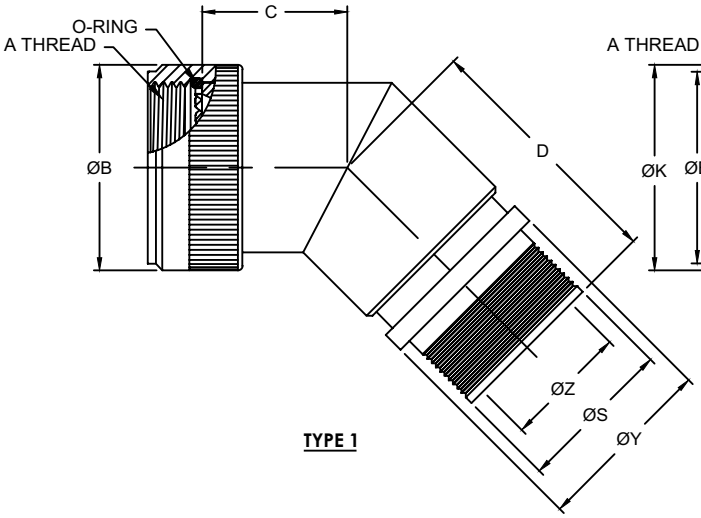


TYPE 1

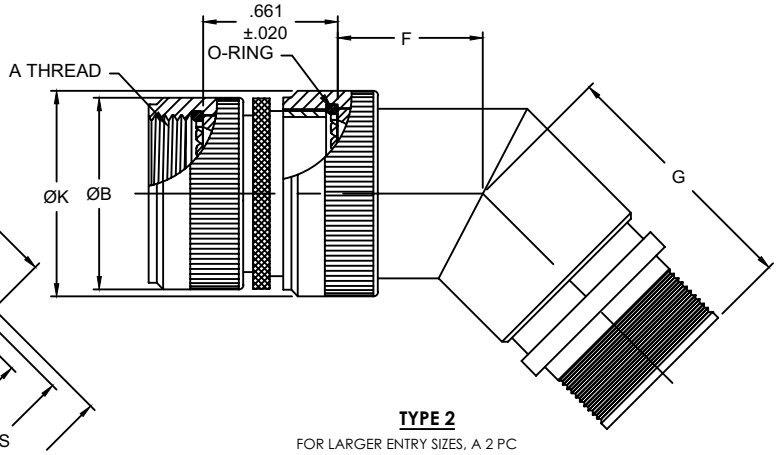


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

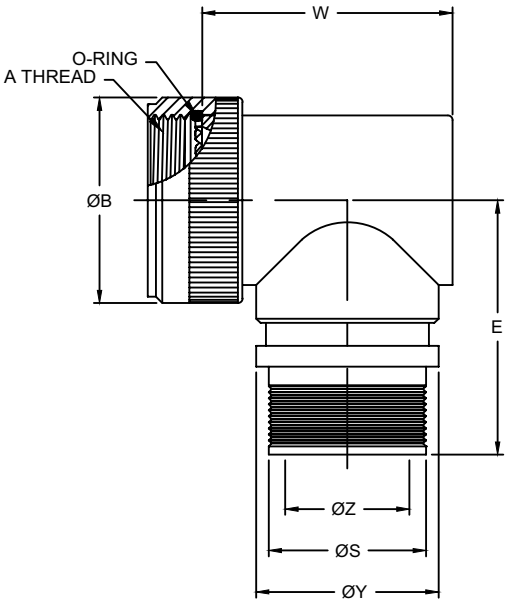


TYPE 1

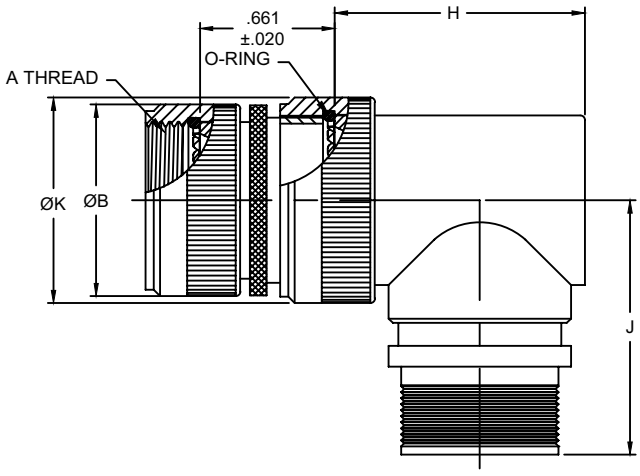


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



TYPE 1



TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

LOCK RING BACKSHELL
AS50151 SERIES I (SCP SERIES)
REVERSE BAYONET (SCPB SERIES)

SCPTXR 52 A Z 00 16 08 A S

SERIES PREFIX
- **SCPTXR** Lock Ring Backshell.
- **SCPSVT** Backshell to use with M85049/128 Termination Bands.
- **SCPSVS** Backshell to use with Constant Force Springs.

CONNECTOR INTERFACE
- **40** MIL-DTL-38999, Series III & IV.

MATERIAL
- **A** Aluminum Alloy.
- **B** Nickel Aluminum Bronze Per ASTM B150.
- **S** Stainless Steel Per QQ-S-763.

FINISH
- **A** Non-conductive hard anodize.
- **N** Electroless Nickel.
- **W** Conductive cadmium plate over nickel, olive drab finish.
- **X** Nickel fluorocarbon polymer.
- **Y** Pure electro-deposited aluminum.
- **Z** Zinc nickel.

MODIFICATION CODE
Consult Sales.

SELF-LOCKING
Leave Blank for Non Self-Locking.

TERMINATION OPTION

SCPTXR	SCPSVT	SCPSVS
A 36 AWG	**B1** .245 Flat Band SCPSE-02F	**F1** SC91-40361
B 36 AWG	**B3** .242 Flat Band SCPBE-02F	**F2** SC91-40362
C 30 AWG	**B5** .118 Flat Band SCPSE-04F	**F3** SC91-40363
—	**B7** .120 Flat Band SCPBE-04F	**F4** SC91-40364

ENTRY SIZE
(Table II)

DASH NUMBER
(Table I)

ANGLE
- **00** Straight.
- **45** 45 Degree.
- **90** 90 Degree.

TABLE I

DASH NO.	SHELL SIZE	A THREAD	B MAX.	MAX. ENTRY	C ±.020 [±0.5]	D ±.020 [±0.5]	E ±.020 [±0.5]	T ±.020 [±0.5]	W ±.020 [±0.5]
10	10SL	5/8-24 UNEF	.732 [18.6]	06	.661 [16.8]	1.083 [27.5]	1.102 [28.0]	.701 [17.8]	1.043 [26.5]
14	14S	3/4-20 UNEF	.854 [21.7]	08	.681 [17.3]	1.102 [28.0]	1.161 [29.5]	.736 [18.7]	1.142 [29.0]
16	16 & 16S	7/8-20 UNEF	.980 [24.9]	08	.713 [18.1]	1.142 [29.0]	1.193 [30.3]	.748 [19.0]	1.201 [30.5]
18	18	1-20 UNEF	1.110 [28.2]	10	.748 [19.0]	1.169 [29.7]	1.287 [32.7]	.827 [21.0]	1.339 [34.0]
20	20	1 1/8-18 UNEF	1.337 [34.0]	12	.756 [19.2]	1.201 [30.5]	1.287 [32.7]	.925 [23.5]	1.457 [37.0]
22	22	1 1/4-18 UNEF	1.460 [37.1]	14	.791 [20.1]	1.217 [30.9]	1.350 [34.3]	1.063 [27.0]	1.654 [42.0]
24	24	1 3/8-18 UNEF	1.575 [40.0]	16	.799 [20.3]	1.224 [31.1]	1.409 [35.8]	1.063 [27.0]	1.732 [44.0]
28	28	1 5/8-18 UNEF	1.710 [43.4]	18	.858 [21.8]	1.264 [32.1]	1.472 [37.4]	1.063 [27.0]	1.772 [45.0]
32	32	1 7/8-16 UN	2.060 [52.3]	22	.917 [23.3]	1.280 [32.5]	1.650 [41.9]	1.236 [31.4]	2.134 [54.2]
36	36	2 1/16-16 UN	2.340 [59.4]	24	.984 [25.0]	1.154 [29.3]	1.783 [45.3]	1.433 [36.4]	2.398 [60.9]
40	36	2 5/16-16 UNS	2.560 [65.0]	28	1.031 [26.2]	1.209 [30.7]	1.906 [48.4]	1.496 [38.0]	2.646 [67.2]

TABLE II

ENTRY SIZE	ØZ MIN.	ØS	ØY ±.012 [±0.3]	ØK MAX.	F ±.020 [±0.5]	G ±.020 [±0.5]	H ±.020 [±0.5]	M ±.020 [±0.5]	J ±.020 [±0.5]
04	.250 [6.35]	.374 ±.002 [9.49 ±0.04]	.551 [14.00]	N/A	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.435 ±.002 [11.06 ±0.04]	.610 [15.50]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
06	.375 [9.53]	.498 ±.002 [12.66 ±0.04]	.673 [17.10]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
07	.437 [11.10]	.559 ±.003 [14.21 ±0.07]	.736 [18.70]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
08	.500 [12.70]	.622 ±.003 [15.81 ±0.07]	.799 [20.30]	.965 [24.5]	.516 [13.1]	1.102 [28.0]	1.063 [27.0]	.669 [17.0]	1.159 [29.45]
10	.625 [15.88]	.746 ±.003 [18.96 ±0.08]	.925 [23.50]	1.142 [29.0]	.531 [13.5]	1.142 [29.0]	1.220 [31.0]	.768 [19.5]	1.220 [31.00]
12	.750 [19.05]	.872 ±.003 [22.14 ±0.08]	1.051 [26.70]	1.280 [32.5]	.571 [14.5]	1.169 [29.7]	1.339 [34.0]	.827 [21.0]	1.287 [32.70]
14	.875 [22.23]	.996 ±.003 [25.30 ±0.08]	1.173 [29.80]	1.398 [35.5]	.610 [15.5]	1.201 [30.5]	1.378 [35.0]	.787 [20.0]	1.348 [34.25]
16	1.000 [25.40]	1.121 ±.003 [28.48 ±0.08]	1.299 [33.00]	1.457 [37.0]	.634 [16.1]	1.217 [30.9]	1.496 [38.0]	.846 [21.5]	1.409 [35.80]
18	1.125 [28.58]	1.246 ±.003 [31.65 ±0.08]	1.425 [36.20]	1.575 [40.0]	.650 [16.5]	1.224 [31.1]	1.654 [42.0]	.945 [24.0]	1.472 [37.40]
20	1.250 [31.75]	1.371 ±.003 [34.83 ±0.08]	1.551 [39.40]	1.713 [43.5]	.669 [17.0]	1.264 [32.1]	1.772 [45.0]	1.004 [25.5]	1.531 [38.90]
22	1.375 [34.93]	1.495 ±.003 [37.98 ±0.08]	1.673 [42.50]	1.909 [48.5]	.728 [18.5]	1.390 [35.3]	2.146 [54.5]	1.220 [31.0]	1.654 [42.00]
24	1.500 [38.10]	1.620 ±.003 [41.15 ±0.08]	1.799 [45.70]	2.051 [52.1]	.826 [21.9]	1.500 [38.1]	2.283 [58.0]	1.299 [33.0]	1.811 [46.00]
28	1.750 [44.45]	1.870 ±.003 [47.50 ±0.08]	2.047 [52.00]	2.303 [58.5]	1.059 [26.9]	1.748 [44.4]	2.579 [65.5]	1.437 [36.5]	2.012 [51.10]

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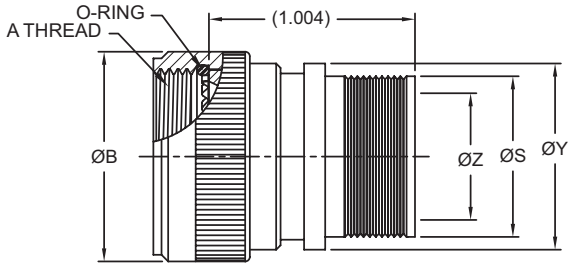
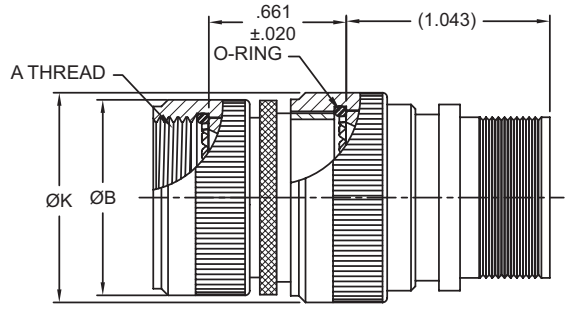
LOCK RING BACKSHELL
AS50151 SERIES I (SCP SERIES)
REVERSE BAYONET (SCPB SERIES)

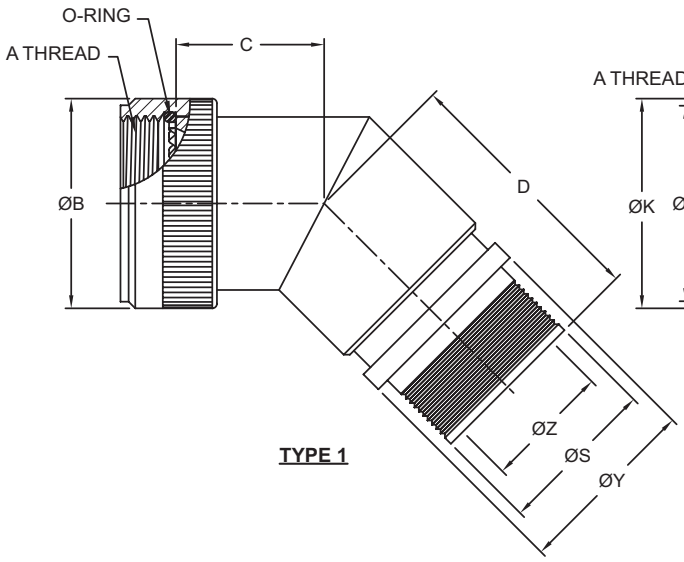


TYPE 1

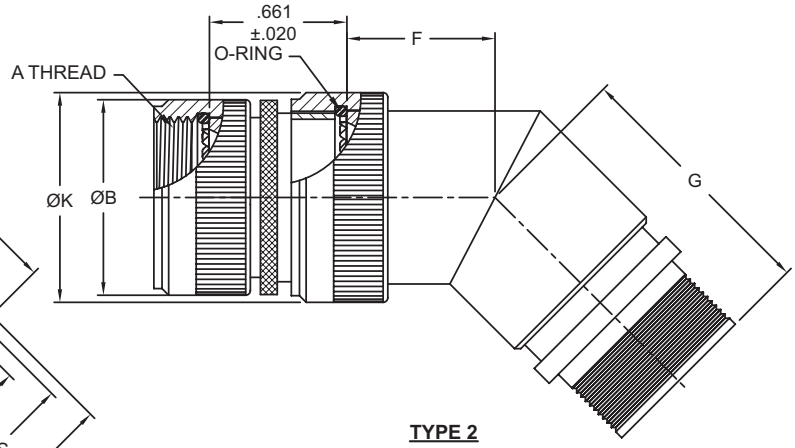


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

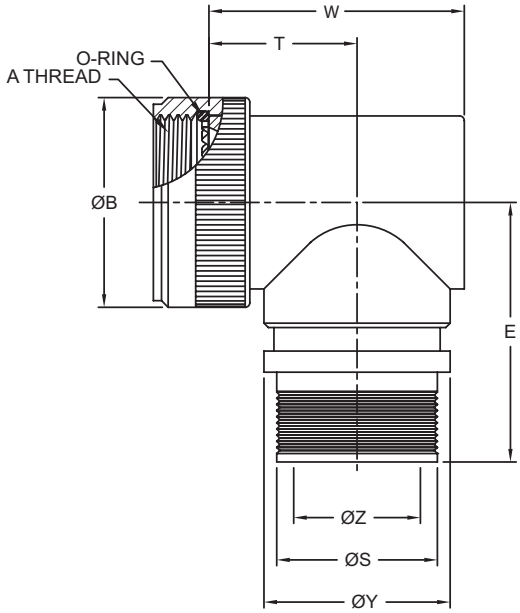


TYPE 1

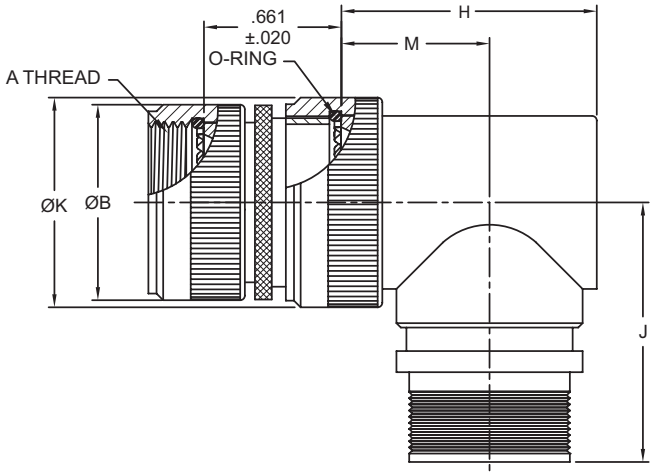


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



TYPE 1



TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC
BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

LOCK RING BACKSHELL

MIL-DTL-26482 SERIES II, AS50151 SERIES II & III, MIL-DTL-81703 SERIES III, MIL-DTL-83723 SERIES III, AS95234

SCPTXR 54 A Z 00 16 08 A S

SERIES PREFIX
- **SCPTXR** Lock Ring Backshell.
- **SCPSVT** Backshell to use with M85049/128 Termination Bands.
- **SCPSVS** Backshell to use with Constant Force Springs.

CONNECTOR INTERFACE
- **54** MIL-DTL-26482, SERIES II. MIL-DTL-83723, SERIES I & II.

MATERIAL
- **A** Aluminum Alloy.
- **B** Nickel Aluminum Bronze Per ASTM B150.
- **S** Stainless Steel Per QQ-S-763.

FINISH
- **A** Non-conductive hard anodize.
- **N** Electroless Nickel.
- **W** Conductive cadmium plate over nickel, olive drab finish.
- **X** Nickel fluorocarbon polymer.
- **Y** Pure electro-deposited aluminum.
- **Z** Zinc nickel.

ANGLE
- **00** Straight.
- **45** 45 Degree.
- **90** 90 Degree.

DASH NUMBER (Table I)

ENTRY SIZE (Table II)

TERMINATION OPTION

SCPTXR	SCPSVT	SCPSVS
A 36 AWG	**B1** .245 Flat Band SCPSE-02F	**F1** SC91-40361
B 36 AWG	**B3** .242 Flat Band SCPBE-02F	**F2** SC91-40362
C 30 AWG	**B5** .118 Flat Band SCPSE-04F	**F3** SC91-40363
—	**B7** .120 Flat Band SCPBE-04F	**F4** SC91-40364

SELF LOCKING

TABLE I

DASH NO.	SHELL SIZE ①	SHELL SIZE ②	A THREAD	B MAX.	MAX. ENTRY	C ±.020 [±0.5]	D ±.020 [±0.5]	E ±.020 [±0.5]	T ±.020 [±0.5]	W ±.020 [±0.5]
03	3		9/16-24 UNEF	.669 [17.0]	04	.661 [16.8]	1.063 [27.0]	1.020 [25.9]	.701 [17.8]	1.039 [26.4]
08	–	8 & 8S	1/2-20 UNF	.614 [15.6]	04	.654 [16.6]	1.055 [26.8]	1.031 [26.2]	.689 [17.5]	.965 [24.5]
10	–	10, 10S, 10SL	5/8-24 UNEF	.732 [18.6]	06	.661 [16.8]	1.083 [27.5]	1.102 [28.0]	.701 [17.8]	1.043 [26.5]
12	7	12 & 12S	3/4-20 UNEF	.854 [21.7]	08	.681 [17.3]	1.102 [28.0]	1.161 [29.5]	.736 [18.7]	1.142 [29.0]
14	12	14 & 14S	7/8-20 UNEF	.980 [24.9]	08	.713 [18.1]	1.142 [29.0]	1.193 [30.3]	.748 [19.0]	1.201 [30.5]
16	19	16 & 16S	1-20 UNEF	1.110 [28.2]	10	.748 [19.0]	1.169 [29.7]	1.287 [32.7]	.827 [21.0]	1.339 [34.0]
18	27	18	1 1/16-18 UNEF	1.217 [30.9]	12	.756 [19.2]	1.201 [30.5]	1.287 [32.7]	.925 [23.5]	1.457 [37.0]
20	37	20	1 3/16-18 UNEF	1.343 [34.1]	14	.791 [20.1]	1.217 [30.9]	1.350 [34.3]	1.063 [27.0]	1.654 [42.0]
22	–	22	1 5/16-18 UNEF	1.469 [37.3]	16	.799 [20.3]	1.224 [31.1]	1.409 [35.8]	1.063 [27.0]	1.732 [44.0]
24	–	24	1 7/16-18 UNEF	1.591 [40.4]	18	.858 [21.8]	1.264 [32.1]	1.472 [37.4]	1.063 [27.0]	1.772 [45.0]
28	–	28	1 3/4-18 UNS	1.969 [50.0]	22	.917 [23.3]	1.280 [32.5]	1.650 [41.9]	1.236 [31.4]	2.134 [54.2]
32	–	32	2-18 UNS	2.217 [56.3]	24	.984 [25.0]	1.154 [29.3]	1.783 [45.3]	1.433 [36.4]	2.398 [60.9]
36	–	36	2 1/4-16 UN	2.469 [62.7]	28	1.031 [26.2]	1.209 [30.7]	1.906 [48.4]	1.496 [38.0]	2.646 [67.2]
40	–	40	2 1/2-16 UN	2.717 [69.0]	28	1.126 [28.6]	1.360 [32.0]	2.024 [51.4]	1.614 [41.0]	2.882 [73.2]
44	–	44	2 3/4-16 UN	2.969 [75.4]	28	1.185 [30.1]	1.327 [33.7]	2.150 [54.6]	1.736 [44.1]	3.130 [79.5]
48	–	48	3-16 UN	3.217 [81.7]	28	1.232 [31.3]	1.374 [34.9]	2.272 [57.7]	1.858 [47.2]	3.378 [85.8]
61	61	–	1 1/2-18 UNEF	1.654 [42.0]	18	.870 [22.1]	1.047 [26.6]	1.524 [38.7]	1.102 [28.0]	1.882 [47.8]

① Backshell mates to MIL-DTL-81703, Series III, MS3424, MS3446, MS3464, MS3467, MS3468

② Backshell mates to MIL-DTL-5015, MS3400 Series, MS3450Series,MIL-DTL-26482 Series II, MS3470 Series, MIL-DTL-83723,SERIES II, CLASS A & L, MIL-DTL-83723, SERIES I & II, M83723/65, /67, /70, /74, /72, /73, /74, /75, /76, 77, /78, /82, /83, /84, /85, /86, /87, /91, /92, /95, /97, /98, AS95234 Connectors.

TABLE II

ENTRY SIZE	ØZ MIN.	ØS	ØY ±.012 [±0.3]	ØK MAX.	F ±.020 [±0.5]	G ±.020 [±0.5]	H ±.020 [±0.5]	M ±.020 [±0.5]	J ±.020 [±0.5]
04	.250 [6.35]	.374 ±.002 [9.49 ±0.04]	.551 [14.00]	N/A	N/A	N/A	N/A	N/A	N/A
05	.312 [7.92]	.435 ±.002 [11.06 ±0.04]	.610 [15.50]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
06	.375 [9.53]	.498 ±.002 [12.66 ±0.04]	.673 [17.10]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
07	.437 [11.10]	.559 ±.003 [14.21 ±0.07]	.736 [18.70]	.827 [21.0]	.492 [12.5]	1.083 [27.5]	.945 [24.0]	.610 [15.5]	1.100 [27.95]
08	.500 [12.70]	.622 ±.003 [15.81 ±0.07]	.799 [20.30]	.965 [24.5]	.516 [13.1]	1.102 [28.0]	1.063 [27.0]	.669 [17.0]	1.159 [29.45]
10	.625 [15.88]	.746 ±.003 [18.96 ±0.08]	.925 [23.50]	1.142 [29.0]	.531 [13.5]	1.142 [29.0]	1.220 [31.0]	.768 [19.5]	1.220 [31.00]
12	.750 [19.05]	.872 ±.003 [22.14 ±0.08]	1.051 [26.70]	1.280 [32.5]	.571 [14.5]	1.169 [29.7]	1.339 [34.0]	.827 [21.0]	1.287 [32.70]
14	.875 [22.23]	.996 ± 003 [25.30 ±0.08]	1.173 [29.80]	1.398 [35.5]	.610 [15.5]	1.201 [30.5]	1.378 [35.0]	.787 [20.0]	1.348 [34.25]
16	1.000 [25.40]	1.121 ±.003 [28.48 ±0.08]	1.299 [33.00]	1.457 [37.0]	.634 [16.1]	1.217 [30.9]	1.496 [38.0]	.846 [21.5]	1.409 [35.80]
18	1.125 [28.58]	1.246 ±.003 [31.65 ±0.08]	1.425 [36.20]	1.575 [40.0]	.650 [16.5]	1.224 [31.1]	1.654 [42.0]	.945 [24.0]	1.472 [37.40]
20	1.250 [31.75]	1.371 ±.003 [34.83 ±0.08]	1.551 [39.40]	1.713 [43.5]	.669 [17.0]	1.264 [32.1]	1.772 [45.0]	1.004 [25.5]	1.531 [38.90]
22	1.375 [34.93]	1.495 ±.003 [37.98 ±0.08]	1.673 [42.50]	1.909 [48.5]	.728 [18.5]	1.390 [35.3]	2.146 [54.5]	1.220 [31.0]	1.654 [42.00]
24	1.500 [38.10]	1.620 ±.003 [41.15 ±0.08]	1.799 [45.70]	2.051 [52.1]	.826 [21.9]	1.500 [38.1]	2.283 [58.0]	1.299 [33.0]	1.811 [46.00]
28	1.750 [44.45]	1.870 ±.003 [47.50 ±0.08]	2.047 [52.00]	2.303 [58.5]	1.059 [26.9]	1.748 [44.4]	2.579 [65.5]	1.437 [36.5]	2.012 [51.10]

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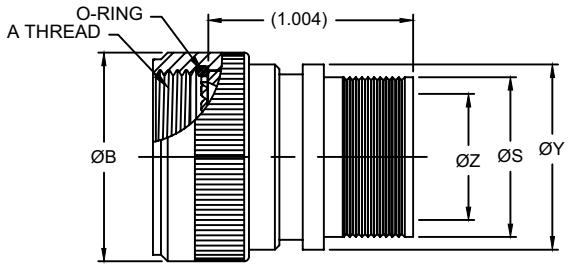
LOCK RING BACKSHELL

MIL-DTL-26482 SERIES II, AS50151 SERIES II & III, MIL-DTL-81703 SERIES III, MIL-DTL-83723 SERIES III, AS95234



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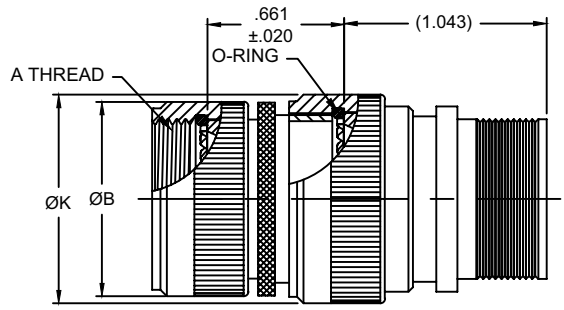
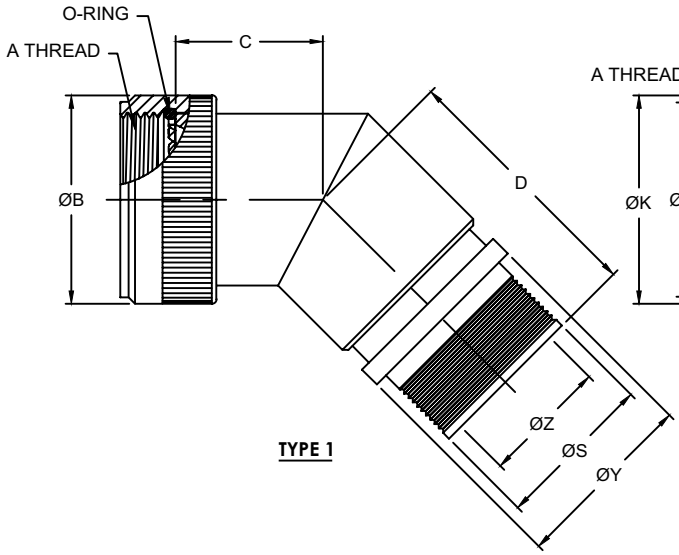


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



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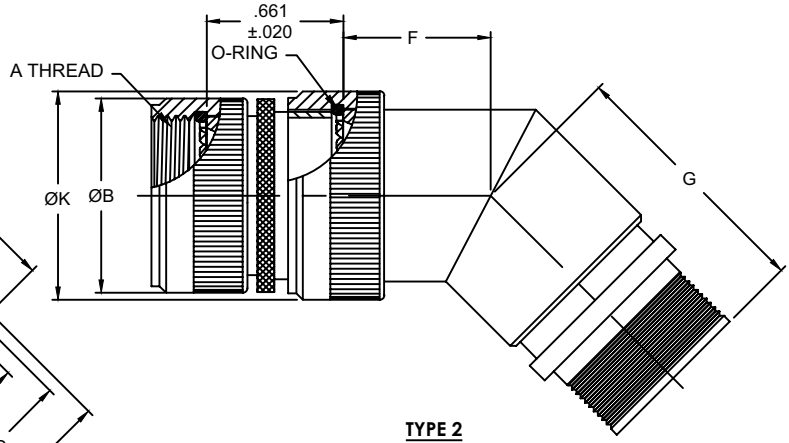
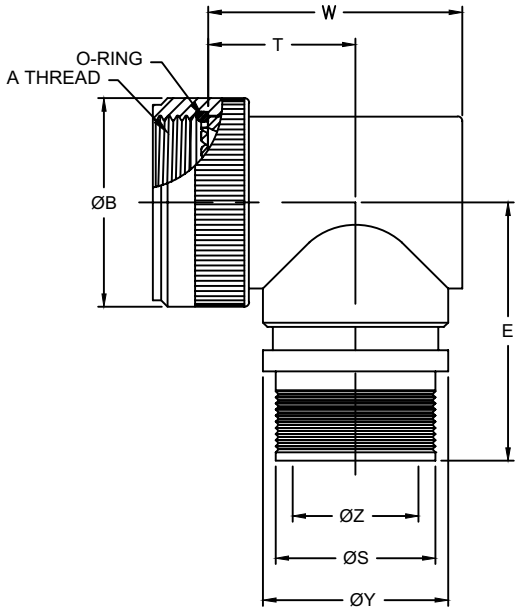


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED



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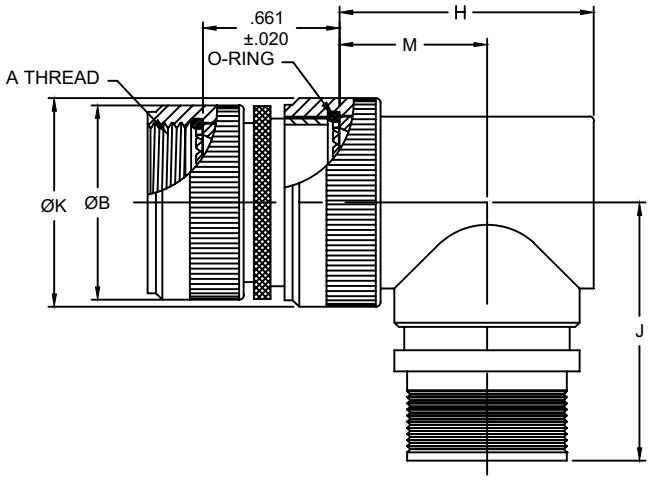


TYPE 2

FOR LARGER ENTRY SIZES, A 2 PC BACKSHELL ASSEMBLY (TYPE II) IS SUPPLIED

SPACECRAFT COMPONENTS LOCK RING
HEAT SHRINKABLE METAL RING

SCR XX X I

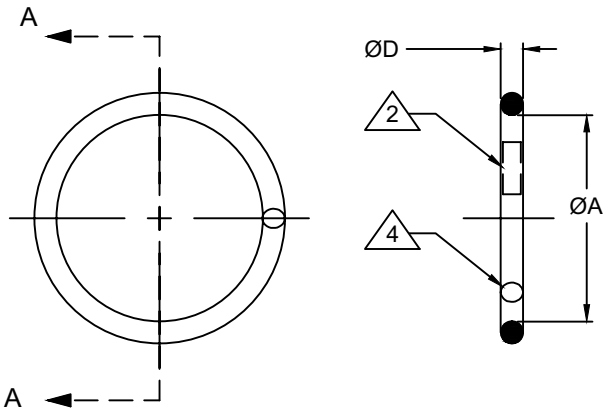
PRODUCT DESIGNATOR

RING SIZE
Matches TXR Adapter Entry Size.

INSULATED LINING

BRAID DESIGNATOR
- **A** 36 AWG Braid, 1 Layer.
- **B** 36 AWG Braid, 2 Layers.
- **C** 30 AWG Braid, 1 Layer.

Consult Sales for Ring and Braid Selection.



NOTES:
1. MATERIAL: NICKEL TITANIUM ALLOY OR EQUIVELENT.
2. THE OUTSIDE SURFACE OF THE RING IS MARKED WITH TWO STRIPES OF THERMOCHROMATIC PAINT WHICH CHANGES COLOR WHEN THE APPROPRIATE INSTALLATION TEMPERATURE IS REACHED.
3. "AI" RINGS ARE IDENTIFIED BY THE ABSENCE OF A RED OR BLUE DOT. SEE NOTE 4.
4. "BI" RINGS ARE MARKED WITH A RED DOT. "CI" RINGS ARE MARKED WITH A BLUE DOT.

TABLE I

PART NO.	ØA		ØD
	MIN. AS SUPPLIED	MAX. FREE RECOVERED	
SCR04AI	.397 [10.08]	.379 [9.63]	.073±.005 [1.85±.13]
SCR04BI	.416 [10.57]	.398 [10.11]	.073±.005 [1.85±.13]
SCR05AI	.460 [11.68]	.440 [11.18]	.073±.005 [1.85±.13]
SCR05BI	.479 [12.17]	.458 [11.63]	.073±.005 [1.85±.13]
SCR06AI	.523 [13.28]	.499 [12.68]	.073±.005 [1.85±.13]
SCR06BI	.548 [13.92]	.523 [13.28]	.073±.005 [1.85±.13]
SCR07AI	.586 [14.88]	.559 [14.20]	.073±.005 [1.85±.13]
SCR07BI	.606 [15.39]	.578 [14.68]	.073±.005 [1.85±.13]
SCR08AI	.650 [16.51]	.620 [15.75]	.073±.005 [1.85±.13]
SCR08BI	.670 [17.02]	.639 [16.23]	.073±.005 [1.85±.13]
SCR10AI	.782 [19.86]	.744 [18.90]	.073±.005 [1.85±.13]
SCR10BI	.802 [20.37]	.763 [19.38]	.073±.005 [1.85±.13]
SCR10CI	.830 [21.08]	.791 [20.09]	.073±.005 [1.85±.13]
SCR12AI	.912 [23.17]	.867 [22.02]	.073±.005 [1.85±.13]
SCR12BI	.931 [23.65]	.886 [22.50]	.073±.005 [1.85±.13]
SCR12CI	.960 [24.38]	.912 [23.17]	.073±.005 [1.85±.13]
SCR14AI	1.040 [26.42]	.988 [25.10]	.073±.005 [1.85±.13]
SCR14BI	1.060 [26.92]	1.007 [25.58]	.073±.005 [1.85±.13]
SCR14CI	1.089 [27.66]	1.033 [26.24]	.073±.005 [1.85±.13]
SCR16AI	1.171 [29.74]	1.111 [28.22]	.073±.005 [1.85±.13]
SCR16BI	1.191 [30.25]	1.129 [28.68]	.073±.005 [1.85±.13]
SCR16CI	1.216 [30.89]	1.154 [29.31]	.073±.005 [1.85±.13]
SCR18AI	1.301 [33.05]	1.234 [31.34]	.073±.005 [1.85±.13]
SCR18BI	1.320 [33.53]	1.252 [31.80]	.073±.005 [1.85±.13]
SCR20AI	1.430 [36.32]	1.357 [34.47]	.073±.005 [1.85±.13]
SCR20BI	1.450 [36.83]	1.376 [34.95]	.073±.005 [1.85±.13]
SCR22AI	1.543 [39.19]	1.463 [37.16]	.088±.007 [2.24±.18]
SCR22BI	1.561 [39.65]	1.481 [37.62]	.088±.007 [2.24±.18]
SCR24AI	1.673 [42.49]	1.587 [40.31]	.088±.007 [2.24±.18]
SCR24BI	1.691 [42.95]	1.605 [40.77]	.088±.007 [2.24±.18]
SCR28AI	1.932 [49.07]	1.838 [46.68]	.088±.007 [2.24±.18]
SCR28BI	1.950 [49.53]	1.858 [47.19]	.088±.007 [2.24±.18]

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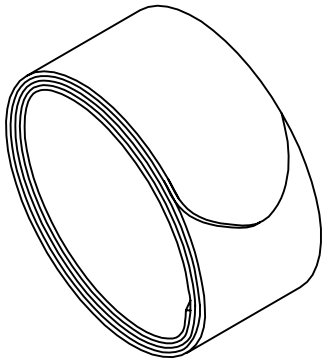
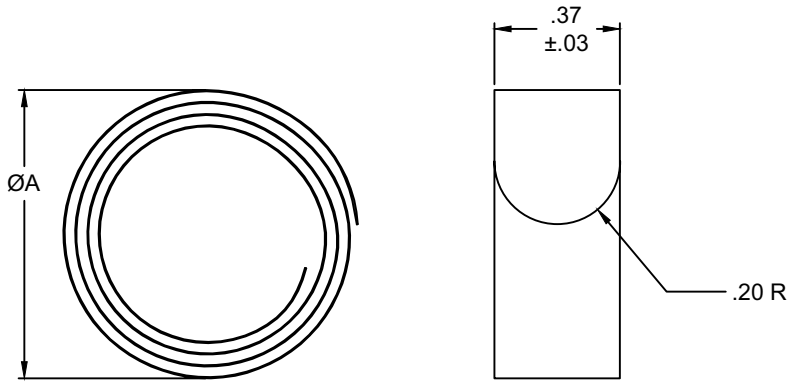
SC91 - 4036 1

SERIES — DASH NUMBER



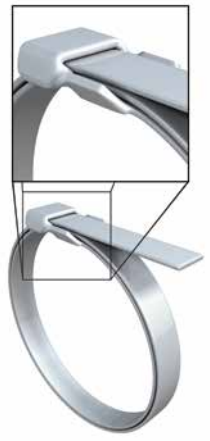


NOTES:
1. MATERIAL: CORROSION RESISTANT STEEL, FULL HARD. (Rc 49 MIN.)

TABLE I

DASH NO.	ØA ±.03	SPRING NO. OF TURNS ±.25
1	.36	4.50
2	.57	3.00
3	.73	4.25
4	.98	3.50

MINI-BANDS .115 WIDE
M85049/128



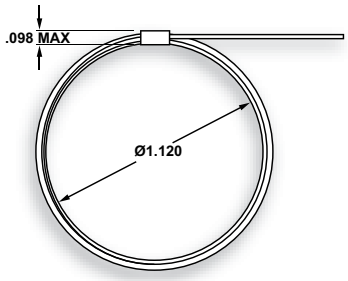
M85049/128-8

* M85049/128-5, -6, -7, -8 are proposed.

M85049/128-5 & M85049/128-6
SCPSE-04F & SCPSE-04C
TERMINATION TOOLS:
DANIELS': DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

M85049/128-7 & M85049/128-8
SCPBE-04F & SCPBE-04C
TERMINATION TOOLS:
BAND-IT®: A30199●
DANIELS: DBS-2200●
GLENAIR: 600-061●
M81306/1-02●

● One Step Tool
▲ Two Step Tool



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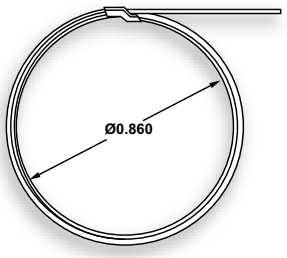
SCPSE-04C



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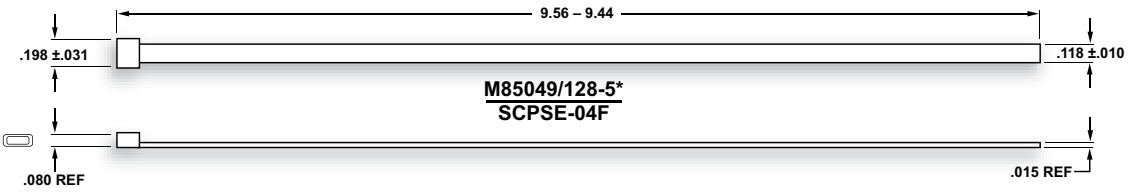

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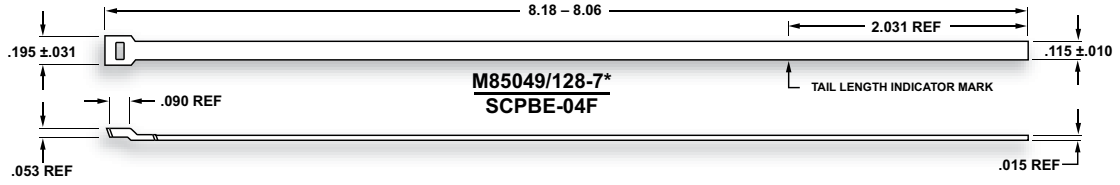
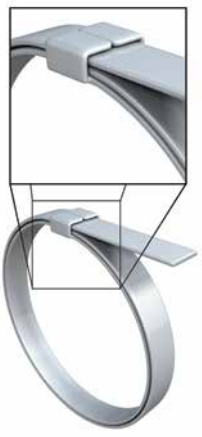
SCPSE-04F

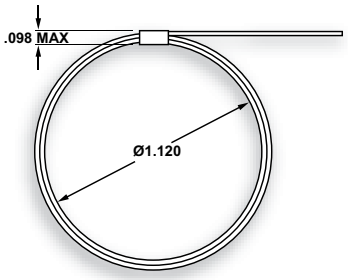


M85049/128-7*
SCPBE-04F

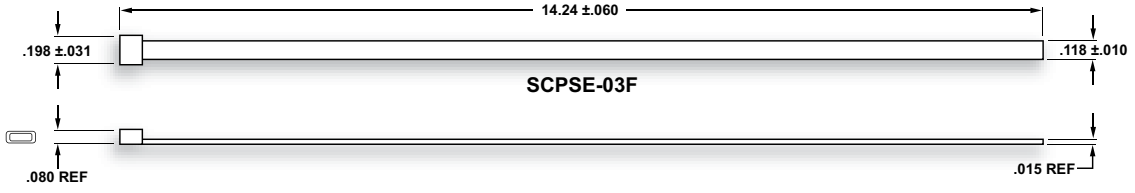


SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
DANIELS': DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

▲ Two Step Tool



SCPSE-03C



SCPSE-03F

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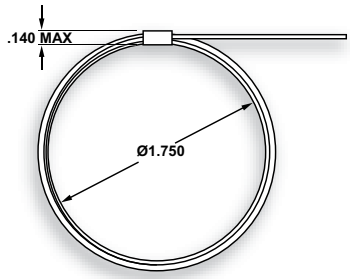
QUARTER-INCH TERMINATION BANDS .245 WIDE
M85049/128

M85049/128-2

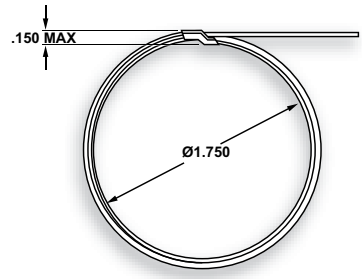
M85049/128-1 & M85049/128-2
SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
DANIELS': DBS-1101▲
SUNBANK: STS-1101▲
M81306/2-01▲

M85049/128-3 & M85049/128-4
SCPBE-02F & SCPBE-02C
TERMINATION TOOLS:
BAND-IT®: A40199●
DANIELS: DBS-2100●
GLENAIR: 600-058●
M81306/1-01●

● One Step Tool
▲ Two Step Tool

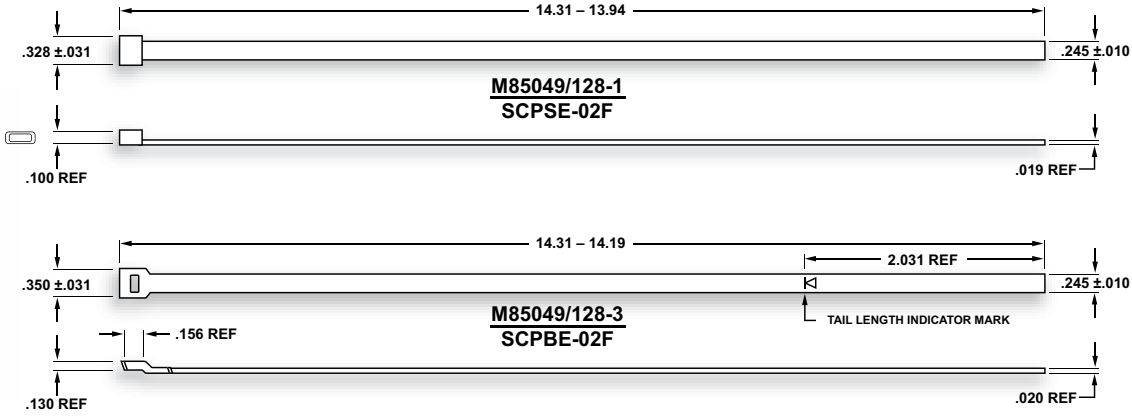


M85049/128-2
SCPSE-02C



M85049/128-4
SCPBE-02C

M85049/128-4



EMI/RFI Band Application Tooling by DMC DANIELS MANUFACTURING CORPORATION®

The termination of EMI/RFI shielding materials is a specialized science in today's aerospace wiring systems. Application tooling is a critical factor in the overall performance of the wiring system components.

DMC has worked closely with the world's leading connector accessory manufacturers to develop the necessary tooling and accessories to meet the stringent demands of aerospace and defense system contractors. The resulting products afford the user many benefits which include:

COMPATIBILITY with all currently available termination bands and systems.

RELIABILITY through the use of commercially proven components and tool design practice.

QUALITY & REPEATABILITY which are assured by a tension system.

SERVICE & CALIBRATION – All tools produced by DMC are adjustable, and may be easily checked and set by the user. Also, expendable components such as cut-off blades are available for simple replacement by the user.

LONG SERVICE LIFE – Properly maintained band application tools will produce thousands of reliable terminations.

AFFORDABILITY – DMC tools continue to be the most cost effective method to produce reliable wiring system shield terminations.

Models are available for .250 in. (6.350 mm) and .125 in. (3.175 mm) wide bands from all current suppliers to M85049/128.

THE PNEUMATIC BAND APPLICATION TOOL...

is a cost effective system that speeds production and improves ergonomic conditions which are present when manual tools are used. Band tension is precisely applied by a dependable pneumatic system which is consistent and repeatable.

The tension system of the pneumatic band tool is adjustable, and can be checked by use of the verifcation devices available from DMC. (See pages 68-69.)

The cutter blade and other components of the DMC Pneumatic Band tools are interchangeable with the same series hand tools. The rugged design and field replaceable blades make the PBT/PMBT series the best choice for production applications where EMI/RFI bands are used to terminate wire harness shielding.

THE HAND OPERATED BAND APPLICATION TOOL (REFERENCE AS81306/2)

is an excellent choice for many production and maintenance operations. Like the power driven models, they too can be calibrated by the user to provide reliable terminations throughout the service life.

The lightweight construction and small "nose" profile enable the user to apply termination bands in even the tightest of working areas.

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APR.2022
CAT-475
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