

TINEL RING SWEPT ELBOW BACKSHELLS (TXR)

PROVIDES A SMOOTH 90° CABLE TERMINATION OPTION FOR SCREENED CABLES

TE Connectivity's (TE) Tinel Ring (TXR) swept elbow backshells are designed with a smooth internal bore and a continuous bend radius. TE is complementing the recently introduced banding (BT) backshell with a tinel-lock version (TXR) to suit a wide range of circular connectors. These backshells offer up to 20% weight savings over traditional backshells. Swept elbow backshells can be utilized in many aerospace and defense applications where highly reliable termination solutions are required.



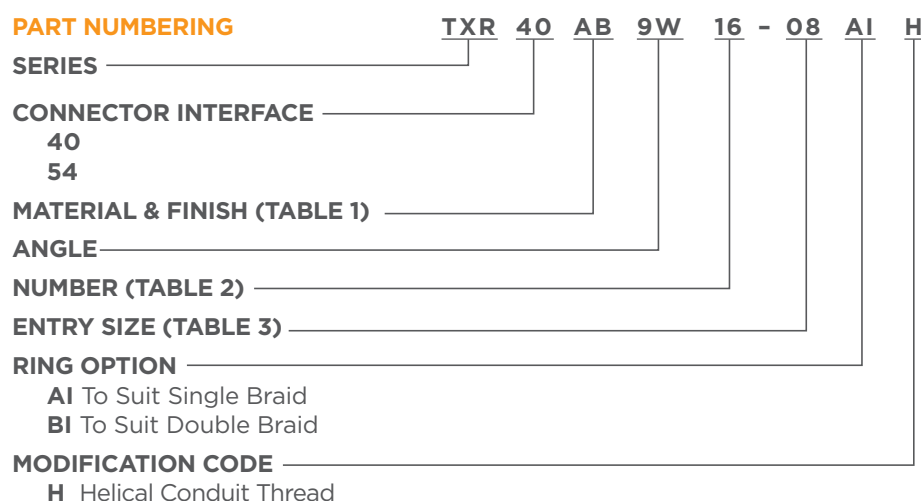
APPLICATIONS/MARKETS

- Aerospace
- Defense

STANDARDS AND SPECIFICATIONS

- TXR40 mates to MIL-DTL-38999 Series III & IV and when mated shall provide water-tight seal meeting the requirements of MIL-C-85049
- TXR54 mates to MIL-DTL-26482 Series II and MIL-DTL-83723 Series I and II

PART NUMBERING



For no modification, leave blank.

*Contact TE for all modification options

WEIGHT SAVINGS

- Up to 20% over the traditional right angle design

MULTIPLE CONFIGURATIONS

- Multiple shell sizes and plating finishes available

EASY INSTALLATION

- Simple and fast termination solutions
- The spin coupling nut allows for improved reliability

HIGH-RELIABILITY SOLUTIONS

- With a heat shrink boot, backshells can provide strain relief and cable support to help prevent bending or overflexing
- Overall 360° screening against EMI/RFI interference

TE REPAIR RINGS

- TE has a wide variety of Side Entry Tinel (SETR) repair rings available for rework in the field

Tinel Ring Swept Elbow Backshells (TXR)

TABLE 1

Code	Material & Plating
AB	Aluminum, cadmium olive drab over electroless nickel
AC	Aluminum, electroless nickel
AZ	Aluminum, zinc nickel black passivate over electroless nickel

*Contact TE for all material and plating options

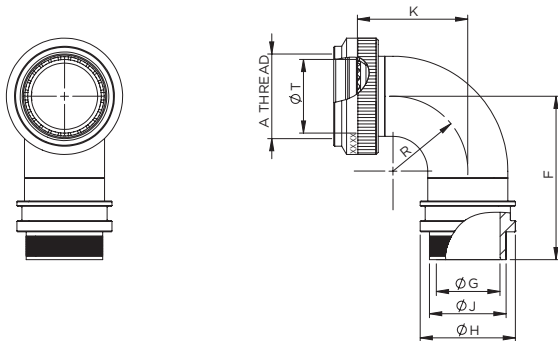
Connector Interface 40

TABLE 2

Order Number	Shell Size	A Thread	ØB Max	K Max	F Max	R Ref.	ØT Min	Entry Sizes
08	09	M12 x 1.0	18.0	19.2	31.9	9.0	6.7	04
10	11	M15 x 1.0	21.0	22.4	35.1	12.2	10.2	04, 05
12	13	M82 x 1.0	24.5	25.6	38.3	15.4	13.5	06, 07
14	15	M22 x 1.0	29.0	28.7	41.4	18.5	16.2	07, 08
16	17	M25 x 1.0	32.5	31.9	44.6	21.7	19.4	08, 10
18	19	M28 x 1.0	35.5	35.1	47.8	24.9	21.8	10, 12
20	21	M31 x 1.0	37.0	38.3	51.0	28.1	25.1	12, 14
22	23	M34 x 1.0	40.0	41.4	54.1	31.2	28.2	14, 16
24	25	M37 x 1.0	43.5	44.6	57.3	34.4	31.4	16, 18

TABLE 3

Entry Size	ØG Min	ØJ	ØH ± 0.3
04	6.35	9.49 +/-0.04	14.0
05	7.92	11.06 +/-0.04	15.5
06	9.53	12.66 +/-0.04	17.1
07	11.10	14.21 +/-0.07	18.7
08	12.70	15.81 +/-0.07	20.3
10	15.88	18.96 +/-0.08	23.5
12	19.05	22.14 +/-0.08	26.7
14	22.23	25.30 +/-0.08	29.8
16	25.40	28.48 +/-0.08	33.0
18	28.58	31.65 +/-0.08	36.2



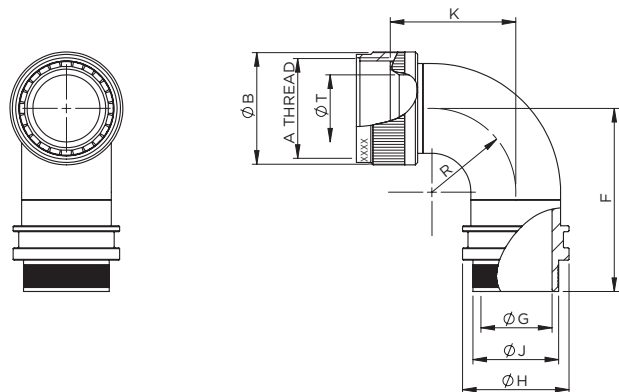
Connector Interface 54

TABLE 2

Order Number	Shell Size	A Thread	ØB Max	K Max	F Max	R Ref.	ØT Min	Entry Sizes
08	08	1/2 - 20UNF	15.6	19.2	31.9	9.0	6.6	04
10	10	5/8 - 24UNEF	18.6	22.4	35.1	12.2	9.3	04, 05
12	12	3/4 - 20UNEF	21.7	25.6	38.3	15.4	12.8	06, 07
14	14	7/8 - 20UNEF	24.9	28.7	41.4	18.5	14.7	07, 08
16	16	1 - 20UNEF	28.2	31.9	44.6	21.7	17.8	08, 10
18	18	1 1/16 - 18UNEF	30.9	35.1	47.8	24.9	19.8	10, 12
20	20	1 3/16 - 18UNEF	34.1	38.3	51.0	28.1	23.0	12, 14
22	22	1 5/16 - 18UNEF	37.3	41.4	54.1	31.2	26.2	14, 16
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All dimensions in mm

te.com/txr-swept-elbow-backshells

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Consult TE for the latest dimensions and design specifications.

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