

# Adaptors and Backshells

## Tinel-Lock® Adaptors

### TXR Series

#### Part Numbering

A modified spin-coupling adaptor with a Tinel-Lock ring that is made from a special shape memory metal that shrinks uniformly when heated. This adaptor is used to terminate copper cable braid directly onto the rear of the shell. The resulting 360° termination withstands severe shock, vibration, temperature cycling, corrosion and provides excellent screening continuity.

Using the part numbering elements below construct your part number, or contact us for details.

**TXR18** Straight adaptor family  
**Code 18** MIL-C-5015 (MS3100)

**TXR21** Straight adaptor family  
**Code 21** MIL-C-26482 Series I

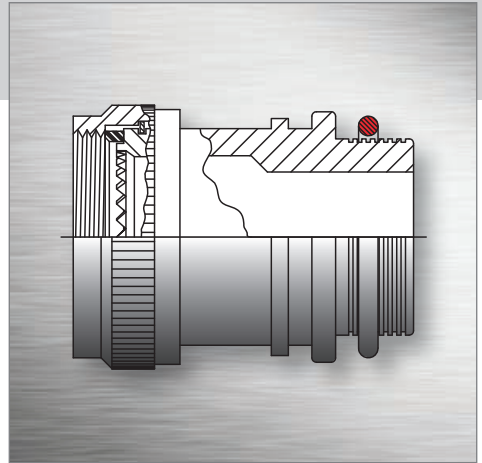
**TXR40** Straight adaptor family  
**Code 40** MIL-C-38999 Series III & IV.

**TXR41** Straight adaptor family  
**Code 41** MIL-C-38999 Series I & II.

**TXR54** Straight adaptor family  
**Code 54** MIL-C-26482 Series II; MIL-C-5015

**TXR76** Straight adaptor family  
**Code 76** Patt 603 and BS9522 N0001

The above adaptor family designations are for the most common applications, for others not listed here please contact us.



#### Selection Table

Ord. No.	Shell Size		Entry* Size	Entry Ø mm
	Ind. Ref.	Mil. Ref.		
08	9	A	04	6.35
10	11	B	07	11.09
12	13	C	08	12.70
14	15	D	10	15.87
16	17	E	12	19.05
18	19	F	14	22.23
20	21	G	16	25.40
22	23	H	18	28.57
24	25	J	20	31.75

Entry Ø sizes are nominal (based on those for the code 40 adaptor family), actual size may differ subject to adaptor family designation selected. \* Denotes the maximum entry size permissible for given shell.

**TXR40 A Z 00 - 16 10 AI**

#### PART NUMBER EXAMPLE

**Ring Designator:** AI, BI or CI see opposite page

**Entry Size:** See table above or contact us

**Order Number Ref:** See selection table above

**Angle:** 00 = straight; 45 = 45°; 90 = 90°

**Finish Code:** See earlier in this section

**Material Code:** See earlier in this section

**Adaptor Family designation:** See this page

## Tinel-Lock® Ring

TR and SETR Series

### Part Numbering



The Tinel Lock ring is made from a special shape memory metal that shrinks uniformly when heated and is used to terminate copper metal braid directly onto the rear of an adaptor.

#### Key Features

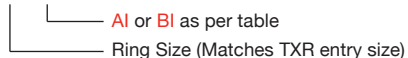
- Low profile, buckle free termination.
- One piece construction
- Operating Range, -65°C to 200°C
- Can be installed in seconds.

Available with the Tinel-Lock Adaptor on the opposite page as part of the assembly, but also available separately as described on this page.

#### Ring Designator Selection Table

Description	Part Ref.
Single layer 36 AWG braid	AI
Single layer 34 AWG braid	AI
Single layer 32 AWG braid	AI
Single layer 30 AWG braid	BI
Double layer 36 AWG braid	BI
Double layer 34 AWG braid	BI
Double layer 32 AWG braid	CI

#### TR XX XX



The outside surface of the ring is marked with two stripes of thermochromic paint which change colour when appropriate installation temperature reached.

'AI' Rings are identified by the absence of coloured a dot, whilst 'BI' rings are marked with a **RED** dot and 'CI' rings are marked with a **BLUE** dot.

#### SETR Side Entry Tinel-Lock Ring Series - Repair and Retro-fit Option

The 'SETR' side entry is a split version of the standard 'TR' Tinel-Lock ring, but allows the joining of harness shield to a customer built connector backshell or other

termination device, without re-positioning the ring on the harness (side entry). This ring can also be removed easily.

#### SETR Part Numbering Information

Part Number	SETR Dimensions (mm)				
	Int.Ø Latched Min.		Int.Ø Max Free Recovered		Jaw Opening
	AI	BI	AI	BI	Nominal
SETR-04AI or BI	10.08	10.57	9.63	10.11	6.35
SETR-06AI or BI	13.28	13.92	12.67	13.28	9.65
SETR-08AI or BI	16.51	17.02	15.75	16.23	12.7
SETR-10AI or BI	19.86	20.37	18.90	19.38	15.24
SETR-12AI or BI	23.16	23.65	22.02	22.50	19.05
SETR-14AI or BI	26.42	26.92	25.10	25.58	22.35
SETR-16AI or BI	29.74	30.25	28.22	28.68	25.40
SETR-18AI or BI	33.05	33.53	31.34	31.80	28.70

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