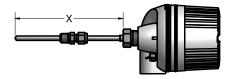
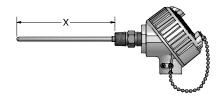
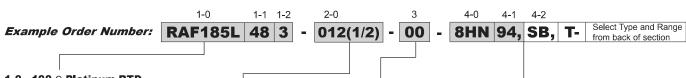


Fixed-Sheath RTD Assemblies with Explosion-Proof Connection Heads are provided with head mounting fittings that are welded or brazed to the sheath for direct immersion into a process. To order an assembly with an option 4 to 20 mA transmitter, select the assembly below and the transmitter from the back of this section. The RTD assemblies are supplied with a 316 stainless steel sheath in several diameters. They are available in various tolerances and temperature ranges as noted below.





### ORDER CODES



# 1-0 100 $\Omega$ Platinum RTD Elements $\alpha$ = 0.003 85 °C<sup>-1</sup>

CODE		TOLERANCE <sup>[1]</sup>	TEMP. RANGE	
SINGLE	DUPLEX			
R1T185L	R1T285L	Grade B	(-200 to 200) °C	
R5T185L	R5T285L	(1/5) Class B	(-30 to 150) °C	
RBF185L	RBF285L	Class B	(-50 to 200) °C	
RAF185L	RAF285L	Class A	(-30 to 200) °C	
R1T185H	R1T285H	Grade B	(-200 to 600) °C	
RAT185H	RAT285H	Class A	(-100 to 450) °C	
[4] Defends DTD televence information in the				

[1] Refer to RTD tolerance information in the General Information section for calculations to determine specific tolerance at temperature.

## 3-0 No Fitting

CODE 00

0000		, ,				
3-1	On	e-Tin	ne Adj	ustab	le Fitt	ings

CODE	TYPE	NPT SIZE (inches)	AVAILABLE SHEATH DIAMETERS (inches)
05A	316 SS	1/8	1/8, 3/16, 1/4
05B	316 SS	1/4	1/8, 3/16, 1/4, 3/8
05C	316 SS	1/2	1/8, 1/4, 3/8
15A	Brass	1/8	1/8, 3/16, 1/4
15B	Brass	1/4	3/16, 1/4, 3/8
15C	Brass	1/2	1/4, 3/8
14	Brass/ Steel	Flange	1/8, 3/16, 1/4, 3/8

#### olerance

#### 1-1 Sheath Diameters

CODE DIAMETERS (inches) 316 SS		
28[1]	1/8	
38	3/16	
48	1/4	
68	3/8	
[1] Not available in duplex		

# 1-2 Element Connection

CODE	DESCRIPTION
2	2-wire element
3	3-wire element
4[1]	4-wire element
[1] Not available in duplex or	

with 440 Series Transmitter

#### 2 -0 "X" Dimensions

Insert three digit "X" length in inches.

Sheath lengths over 72" will be shipped in a coiled configuration unless otherwise specified.

#### 3-2 Re-Adjustable Compression Fittings

CODE	TYPE	NPT SIZE (inches)	AVAILABLE SHEATH DIAMETERS (inches)
12A	316 SS	1/8	1/8, 3/16, 1/4
12B	316 SS	1/4	1/8, 3/16, 1/4, 3/8
12C	316 SS	1/2	1/8, 1/4, 3/8
11A	Brass	1/8	1/8, 3/16, 1/4
11B	Brass	1/4	1/8, 3/16, 1/4, 3/8
11C	Brass	1/2	1/4, 3/8
19C	Spring-loaded SS well fitting	1/2	3/16, 1/4
FEP gland standard 204 °C [400 °F] max.			

#### 3-3 Fixed Bushings[1]

CODE	MOUNTING THREAD	AVAILABLE SHEATH	
316 SS	NPT (inches)	DIAMETERS (inches)	
8A <sup>[1]</sup>	1/8	1/8, 3/16, 1/4	
8B <sup>[1]</sup>	1/4	1/8, 3/16, 1/4, 3/8	
8C[1]	1/2	1/8, 3/16, 1/4, 3/8	
8D <sup>[1]</sup>	3/4	1/8, 3/16, 1/4, 3/8	

[1] Requires Table 4, Option 9HP Selection

[2] When ordering fixed bushings, specify order code above plus insert length "U", as measured from hot tip to bottom of threaded bushing. EXAMPLE: order code 8A06 is 1/8" NPT, 316 SS bushing located 6" from hot tip.

#### 4-0 Head Mounting Fittings

CODE	DESCRIPTION
6HN	1/2" x 1/2" NPT steel hex nipple 1" "E" length
8HN	1/2" x 1/2" NPT stainless steel hex nipple 1" "E" length
9НР	1/2" NPT stainless steel bushing (no process threads)
8RNDC	3/4" x 1/2" NPT stainless steel hex nipple

#### 4-1 Head Terminations

CODE	DESCRIPTION
74	Dual conduit DIN form B aluminum explosion-proof/flame-proof head, NEC, IEC, Atex approved
75T-642C	(4 to 20) mA HART® field transmitter with aluminum explosion-proof housing
76T82-D10	(4 to 20) mA dual input HART® Field Transmitter with digital display and explosion-proof aluminum housing
77T-662C	(4 to 20) mA HART® Field Transmitter with dual cavity explosion-proof aluminum housing
93	Aluminum explosion-proof/flame-proof head, NEC, IEC, Atex approved
94	316L stainless steel explosion-proof/flame-proof head, NEC, IEC, Atex approved
4-2 Op	tions
SB	1/2" NPT conduit reducer bushing
I	Stainless tag
T-440 <sup>[1]</sup>	(4 to 20) mA head-mounted RTD transmitter
T-441	(4 to 20) mA isolated head-mounted transmitter
T-442	(4 to 20) mA isolated HART® head-mounted transmitter
T82-00	(4 to 20) mA dual input, isolated HART® head-mounted transmitter
See transm section.	itter ordering information in back of
[1] Not availa	able with option 74.

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