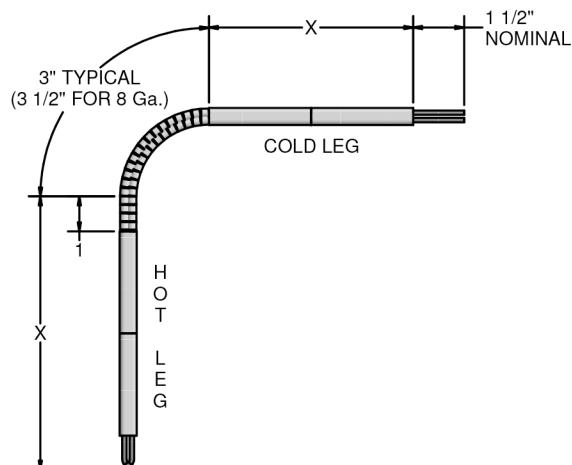The angle base metal thermocouple elements illustrated on this catalog page are replacement elements for use in Pyromation's complete angle thermocouple assemblies as found elsewhere in this catalog section. These replacement elements are also compatible for use in other manufacturers' angle thermocouple assemblies. These thermocouples are available with the options listed below and with special construction designs. These replacement elements are shipped in a straight configuration and are to be bent at the time of installation.

ORDER CODES

Example Order Number: K8 A - 12 - 18 - 1, L, 341

1 Single Angle Element Type

CODE (Type + Wire Gauge)			DESCRIPTION
J8		J14	Iron - Constantan
K8	K11	K14	Chromel - Alumel
N8		N14	Nicrosil - Nisil
DUPLEX ANGLE ELEMENTS			
Requires the use of 2 single elements.			

2 Element Insulation

CODE	INSULATOR DESCRIPTION	WIRE GAUGE	INSULATOR DIMENSIONS (inches)
			SINGLE
A	Two hole oval ceramic insulators on hot and cold legs. Ball and socket insulators at bend	8 Ga.	0.500 x 0.281
		11 Ga.	0.500 x 0.286
		14 Ga.	0.375 x 0.218

The above insulated elements are supplied with refractory insulators: 1277 ºC [2330 ºF] maximum temperature.

Element Options

CODE	DESCRIPTION
M	Special limits wire - types J and K (consult factory for other types)

3 Hot Leg "X" Length

LENGTH (inches)	LENGTH (inches)
12	30
18	36
24	Specify Other Lengths

5 Element Options

CODE	DESCRIPTION
0	Standard weld as noted below
1	Twist and tig weld
2	Tig weld without twist
L	Insulated hot junction
341	Single terminal block on element
342	Duplex terminal block on element

Unless specified by option numbers above, all 8, 11, and 14 gauge elements will be provided with Opt. 2 (tig weld without twist).

All elements, regardless of gauge, over 96" will be supplied with Option 1 (twist and tig weld).

4 Cold Leg "X" Length

LENGTH (inches)	LENGTH (inches)
12	30
18	36
24	

Specify other lengths in 1" increments.

Actual cut length will be 1(1/2)" longer than specified length to allow for terminal connections.