



Cut-away of NB2 style to show detail of spring mechanism and terminal block.



Spring-Loaded Probes

Industrial Process Styles

- ✓ Non-Sealed for Use in Thermowells
- ✓ NB1 Cast Iron or NB2 Miniature Aluminum Protection Head
- ✓ Approx. 13 mm (½") of Travel Length
- ✓ 300 mm (12") Standard Length†
- ✓ Spring-Loading Provides Tip Contact for Faster Response When Used with Thermowells



To Order Visit omega.com/nb1-icin-tbsl_spring_tc for Pricing and Details

Thermocouple Alloy	Sheath Dia. mm (in)	Cast Iron Head	Aluminum Head
J IRON-CONSTANTAN Inconel Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-ICIN-116(*)-12-TBSL NB1-ICIN-18(*)-12-TBSL NB1-ICIN-316(*)-12-TBSL NB1-ICIN-14(*)-12-TBSL	NB2-ICIN-116(*)-12-TBSL NB2-ICIN-18(*)-12-TBSL NB2-ICIN-316(*)-12-TBSL NB2-ICIN-14(*)-12-TBSL
J IRON-CONSTANTAN 304 SS Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-ICSS-116(*)-12-TBSL NB1-ICSS-18(*)-12-TBSL NB1-ICSS-316(*)-12-TBSL NB1-ICSS-14(*)-12-TBSL	NB2-ICSS-116(*)-12-TBSL NB2-ICSS-18(*)-12-TBSL NB2-ICSS-316(*)-12-TBSL NB2-ICSS-14(*)-12-TBSL
K CHROMEGA®-**ALOMEGA® Inconel Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-CAIN-116(*)-12-TBSL NB1-CAIN-18(*)-12-TBSL NB1-CAIN-316(*)-12-TBSL NB1-CAIN-14(*)-12-TBSL	NB2-CAIN-116(*)-12-TBSL NB2-CAIN-18(*)-12-TBSL NB2-CAIN-316(*)-12-TBSL NB2-CAIN-14(*)-12-TBSL
K CHROMEGA®-**ALOMEGA® 304 SS Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-CASS-116(*)-12-TBSL NB1-CASS-18(*)-12-TBSL NB1-CASS-316(*)-12-TBSL NB1-CASS-14(*)-12-TBSL	NB2-CASS-116(*)-12-TBSL NB2-CASS-18(*)-12-TBSL NB2-CASS-316(*)-12-TBSL NB2-CASS-14(*)-12-TBSL
E CHROMEGA®-CONSTANTAN Inconel Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-CXIN-116(*)-12-TBSL NB1-CXIN-18(*)-12-TBSL NB1-CXIN-316(*)-12-TBSL NB1-CXIN-14(*)-12-TBSL	NB2-CXIN-116(*)-12-TBSL NB2-CXIN-18(*)-12-TBSL NB2-CXIN-316(*)-12-TBSL NB2-CXIN-14(*)-12-TBSL
E CHROMEGA®-CONSTANTAN 304 SS Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-CXSS-116(*)-12-TBSL NB1-CXSS-18(*)-12-TBSL NB1-CXSS-316(*)-12-TBSL NB1-CXSS-14(*)-12-TBSL	NB2-CXSS-116(*)-12-TBSL NB2-CXSS-18(*)-12-TBSL NB2-CXSS-316(*)-12-TBSL NB2-CXSS-14(*)-12-TBSL
T COPPER-CONSTANTAN Inconel Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-CPIN-116(*)-12-TBSL NB1-CPIN-18(*)-12-TBSL NB1-CPIN-316(*)-12-TBSL NB1-CPIN-14(*)-12-TBSL	NB2-CPIN-116(*)-12-TBSL NB2-CPIN-18(*)-12-TBSL NB2-CPIN-316(*)-12-TBSL NB2-CPIN-14(*)-12-TBSL
T COPPER-CONSTANTAN 304 SS Sheath	1.5 (⅛) 3.0 (⅜) 4.5 (⅝) 6.0 (¼)	NB1-CPSS-116(*)-12-TBSL NB1-CPSS-18(*)-12-TBSL NB1-CPSS-316(*)-12-TBSL NB1-CPSS-14(*)-12-TBSL	NB2-CPSS-116(*)-12-TBSL NB2-CPSS-18(*)-12-TBSL NB2-CPSS-316(*)-12-TBSL NB2-CPSS-14(*)-12-TBSL

* Specify junction type: **G** (Grounded), **U** (Ungrounded) or **E** (Exposed)

** For highest temperature and stability rating, change "**SS**" or "**IN**" to "**XL**" and add additional cost to price.

Note: Probe length includes approx. ⅛" allowance for threads.

† To order probes with lengths other than 12", change the "12" in the model number to the desired **length in inches**, and add the appropriate price per add'l foot from the last column.

To order with 310 SS, 316 SS or 321 SS sheath, change "**SS**" in model number to "**310SS**", "**316SS**" or "**321SS**" respectively; no additional charge.

Ordering Example: NB1-ICSS-14U-12-TBSL, spring-loaded probe with NB1-type cast iron head, Type J calibration, 6.0 mm (¼") OD, ungrounded 304 SS sheath, 300 mm (12") L.