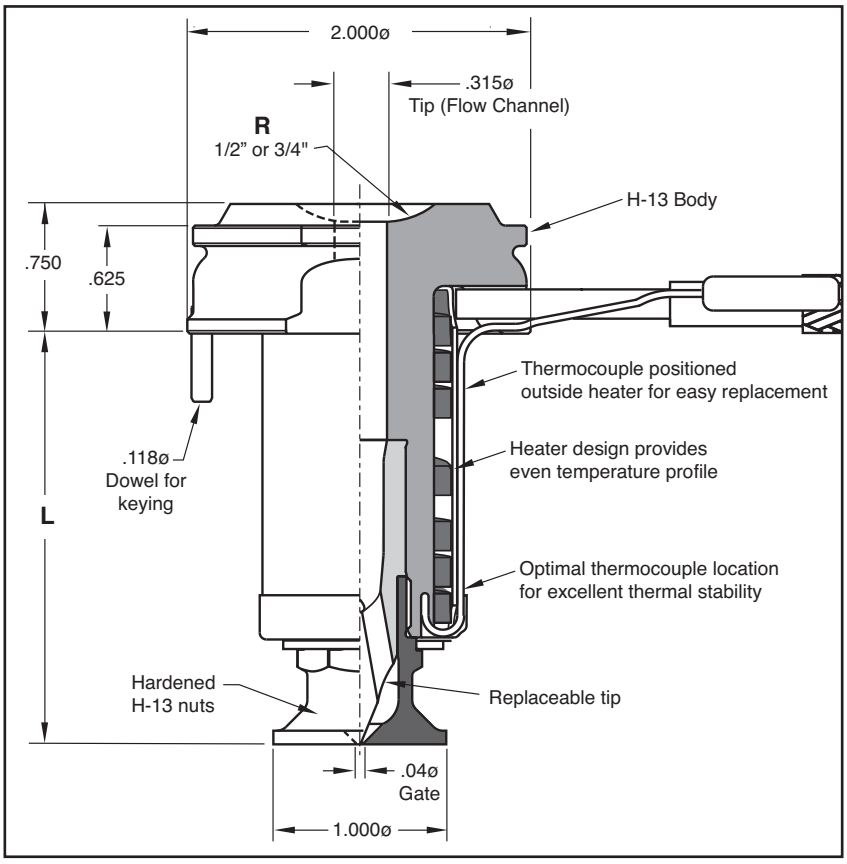
HOT SPRUE BUSHINGS
INCH SERIES



Progressive's BX Inch Series Hot Sprue Bushings are designed as an advancement from previous Hot Sprue technology. This bushing's heater design and thermocouple placement provide excellent temperature distribution and thermal stability, resulting in superior performance both at start-up and during production, increased reliability, and easier maintenance.

Existing tools will benefit by replacing cold sprues, inefficient hot sprues, or applications used to feed cold runner systems.

Engineered and manufactured for Progressive by MastipTM Technology Ltd.

To Order:
Specify all options within catalog number as shown:

Radius Options:
- 1/2" Specify -**50**
- 3/4" Specify -**75**

Nut Options:
- Standard Length (.080) Specify -**SL**
- Extra Stock (+.250) Specify -**XS**
- Sprue Picker (+1.250) Specify -**SP**

Tip Options:
- Nickel-Plated Be/Cu Tip:
  Used for unfilled commodity thermoplastics.
  Specify **-A** for Nickel-Plated Be/Cu
- Carbide-Tipped Be/Cu Tip:
  Used for fast cycling, thin-wall, high injection pressure olefins or multi-cavity molds with a single tip gating into a cold runner.
  Specify **-C** for Carbide-Tipped Be/Cu

  Note: Engineering grade materials such as PC, PA, PBT and any heavy glass-filled materials should not be used with the BX series sprues. Contact Engineering for metric alternatives.

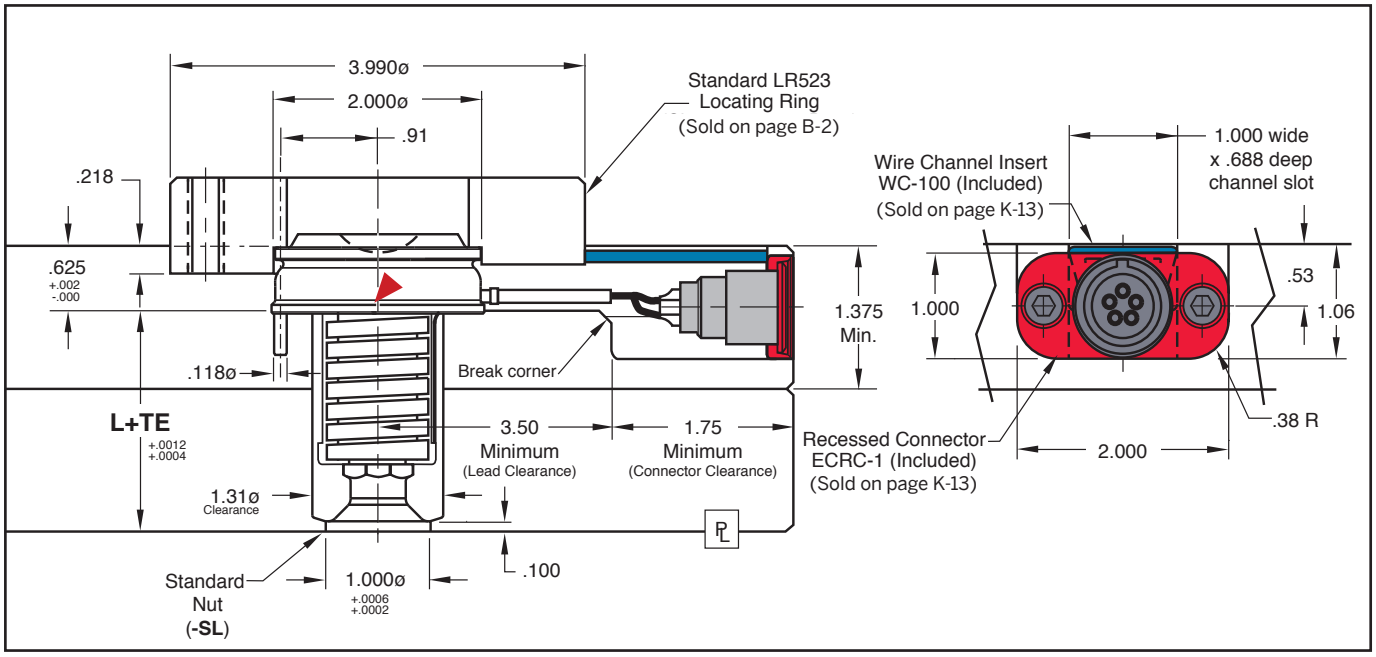
Prefix/ Length	L	Watts
BX25137	1.375	295
BX25187	1.875	350
BX25237	2.375	455
BX25287	2.875	490
BX25337	3.375	505

BX25187	-	**50**	-	**SL**	-	**C**
Prefix/Length	-	Radius	-	Nut	-	Tip Material

Example: BX25237-75-SP-A or BX25337-50-XS-C

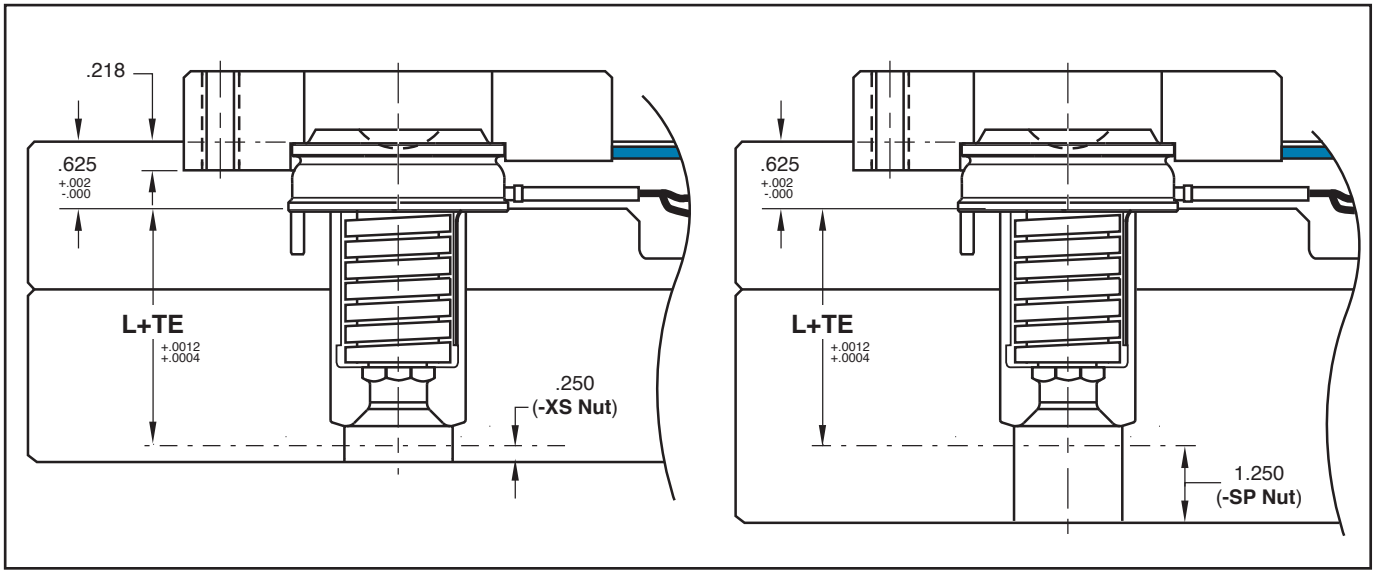
Each Hot Sprue Bushing Assembly includes:
- Body, Tip, Nut, Thermocouple and wiring, Recessed Connector (ECRC-1), and Wire Channel Insert (WC-100).
- Replacement parts are available. Refer to the price list for catalog numbers.

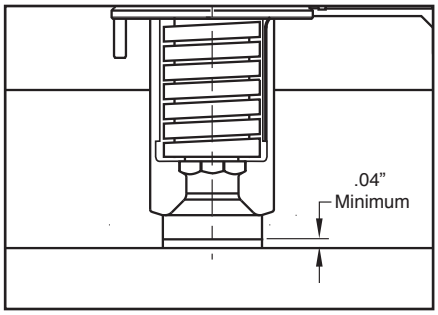
Typical installation instructions:



CAD insertion point

Longer nut installation instructions:





To ensure optimal performance, design for a minimum .04" gap between the face of the bushing nut and "B" side of the mold after thermal expansion when gating into a cold runner.

General Specifications:

- Expansion formula (TE): 000007 x (Processing Temp ºF-Mold Temp ºF) x L
- 230 volt–15 amps
- "J" type thermocouple