CSR NOZZLE

The **CSR Nozzle** is a smart choice for replacing cold sprue nozzles in existing molds with 1” bores. The integrated heater incorporates two separate heating circuits to provide uninterrupted production should a single heater circuit failure occur. This nozzle is available in seven standard lengths and recommended for small to mid-sized commodity resin parts only.

**FEATURES**

- Engineered to minimize heat transfer to the mold
- Integrated Twin Heater provides improved heat profiles and reduces down-time
- External Thermocouple for easy replacement
- End Caps include 1” of extra stock
- Replaceable End Caps
- Standard gate size is 0.080” (also available in 0.085”, 0.090”, & 0.095”)

**AVAILABLE LENGTHS**

- CSR 1187  A= 1.875”
- CSR 1237  A= 2.375”
- CSR 1287  A= 2.875”
- CSR 1337  A= 3.375”
- CSR 1437  A= 4.375”
- CSR 1537  A= 5.375”
- CSR 1637  A= 6.375”
COLD BORE DETAILS

**Cold Sprue Replacement**

COLD BORE DETAILS

**Nozzle Expansion**: Nozzle length A (in.) \( \times \) (Melt temp. - Mold temp°F) \( \times \) 7.36 \( \times \) 10\(^{-6}\)

**Example**: \( A = 3.375'' \Delta T = 380°F \)

\[ 3.375'' \times 380 \times 7.36 \times 10^{-6} = .009'' \]

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**Gating Examples**

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**NOZZLE**

| CSR 1187 | 1.875 (47.6) |
| CSR 1237 | 2.375 (60.3) |
| CSR 1287 | 2.875 (73.0) |
| CSR 1337 | 3.375 (85.7) |
| CSR 1437 | 4.375 (111.1) |
| CSR 1537 | 5.375 (136.5) |
| CSR 1637 | 6.375 (161.9) |