# D-MAX High Performance Hot Sprue Bushings

HIGH-PERFORMANCE CAPABILITY
WITH ENGINEERED AND
COMMODITY-GRADE RESINS


D-MAX High Performance Hot Sprue Bushings

# Plastic Materials and Specifications

- Large number of bushing and tip combinations
- Three flow channel sizes
- Lengths up to 190mm
- High performance capability
- Standard and wear-resistant tips
- Precise thermal control



**PLASTIC MATERIAL PROCESS CONDITIONS**

| MATERIAL | STANDARD RESIN SYMBOL | PROCESS TEMPERATURE | | MOLD TEMPERATURE | | HOT RUNNER TEMPERATURE | | DENSITY MELTING | | SOLID DENSITY | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | [°C] | [°F] | [°C] | [°F] | [°C] | [°F] | [g/cm³] | [lbs/inch³] | [g/cm³] | [lbs/inch³] |
| Styrene Butadiene | SB | 210 | 410 | 70 | 158 | 230 | 446 | 0.93 | 0.0366 | 1.02 | 0.0369 |
| Polyurethane | PUR | 220 | 428 | 45 | 113 | 240 | 464 | 0.93 | 0.0366 | 1.11 | 0.0401 |
| Polyvinyl chloride | PVC/FLEX | 175 | 347 | 35 | 95 | 200 | 392 | 1.02 | 0.0405 | 1.38 | 0.0499 |
| Styrene-acrylonitrile | SAN | 230 | 446 | 80 | 176 | 255 | 491 | 0.99 | 0.0358 | 1.08 | 0.0390 |
| Polystyrene | PS | 210 | 410 | 45 | 113 | 230 | 446 | 0.95 | 0.0343 | 1.05 | 0.0379 |
| Polycarbonate | PC | 300 | 572 | 80 | 176 | 330 | 626 | 1.08 | 0.0390 | 1.20 | 0.0434 |
| Polyphenylene Oxide-Styrene | PPO | 260 | 500 | 80 | 176 | 300 | 572 | 0.99 | 0.0358 | 1.13 | 0.0408 |
| Polyethylene | PE | 200 | 392 | 25 | 77 | 225 | 437 | 0.74 | 0.0267 | 0.96 | 0.0347 |
| Polypropylene | PP | 225 | 437 | 40 | 104 | 245 | 473 | 0.73 | 0.0264 | 0.91 | 0.0329 |
| Polyether-etherketone | PEEK | 330 | 626 | 165 | 329 | 370 | 698 | 1.13 | 0.0408 | 1.37 | 0.0495 |
| Polyphenylene Sulfide | PPS | 300 | 572 | 110 | 230 | 330 | 626 | 1.53 | 0.0553 | 1.70 | 0.0614 |
| Polyebutylene Terephthalate | PBT | 265 | 509 | 60 | 140 | 290 | 554 | 1.44 | 0.0520 | 1.57 | 0.0567 |
| Polyamide 6 | PA 6 | 220 | 428 | 90 | 194 | 250 | 482 | 0.98 | 0.0354 | 1.14 | 0.0412 |
| Polyamide 66 | PA 66 | 255 | 491 | 90 | 194 | 280 | 536 | 1.09 | 0.0394 | 1.26 | 0.0455 |
| Thermal Plastic Elastomers | TPE | 240 | 464 | 35 | 95 | 265 | 509 | 0.78 | 0.0282 | 0.90 | 0.0325 |
| Polyoxymethylene (Polyacetal) | POM | 180 | 356 | 100 | 212 | 200 | 392 | 1.16 | 0.0419 | 1.42 | 0.0513 |
| Polymethyl Methacrylate | PMMA | 235 | 455 | 70 | 158 | 250 | 482 | 1.09 | 0.0394 | 1.18 | 0.0426 |
| Acrylonitrile Butadiene Styrene | ABS | 225 | 437 | 70 | 158 | 250 | 482 | 0.95 | 0.0343 | 1.08 | 0.0390 |

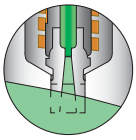
**PLASTIC MATERIAL FLOW INDEX**

| HIGH MFI | MEDIUM MFI | | LOW MFI | |
|---|---|---|---|---|
| SB | ABS | | PVC/FLEX | |
| PS | SAN | PA 6 | | PC |
| PE | PPO | PA 66 | TPE | PBT |
| PP | PPS | POM | PEEK | PUR |
| | PET | PMMA | | |

**NOTE:** Temperature and density values shown above are general, and may not apply to your application. Please refer to proper processing data for the resin grade intended for your specific application. Failure to use temperature settings appropriate to the specific resin and resin grade intended for your application may result in poor part quality, or inability to produce acceptable molded parts.

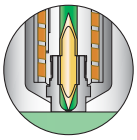
# Bushing Selection

## HOT SPRUE BUSHING TIP STYLE



**SPRUE GATE TIP STANDARD / EXTENDED**

For use where gate vestige is allowed. Provides low resistance to flow with excellent flow rates. Extended style provides additional stock for machining profiles or part contours.



**RING GATE TIP STANDARD / EXTENDED**

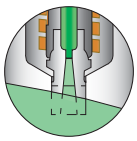
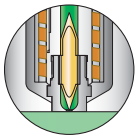
Ideal for low vestige commodity and engineering grade resin applications. The Ring Gate features a sealed tip for efficient shut-off at the part surface. Available with standard or wear resistant needles. Extended style provides additional stock for machining profiles or part contours.

**POINT GATE TIP**

Suitable for high viscosity resins, engineering plastics and applications requiring optimum gate cosmetics with minimal gate vestige. Available with standard or wear resistant needles.

## BUSHING TIP AND PLASTIC MATERIAL COMPATIBILITY

* HIGH PERFORMANCE SPRUE BUSHING RECOMMENDED FOR THIS RESIN.

| NOZZLE | THERMOPLASTIC RESIN TYPE | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AMORPHOUS | | | | | | | | SEMI-CRYSTALINE | | | | | | | | | | | | | | | | |
| | SB | PUR * | PEI * | PVC/FLEX | SAN * | PS | PC * | PPO * | PE | PP | PEEK | PPS * | PET * | PBT * | PA * | TPE * | POM * | PMMA * | ABS | TPO * | ABS/PC * | PPE/PS * | PSU | LCP |
|  SPRUE GATE TIP STANDARD / EXTENDED | ● | ● | ● | ▲ | ● | ■ | ● | ● | ■ | ● | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | ▲ |
|  RING GATE TIP STANDARD / EXTENDED | ● | ● | ● | ▲ | ● | ■ | ● | ● | ● | ● | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | ▲ |
|  POINT GATE TIP | ● | ● | ● | ▲ | ● | ■ | ● | ● | ■ | ● | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ▲ | ▲ |

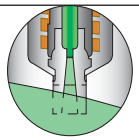
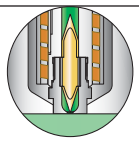
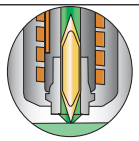
■ Green – Works well with this resin
● Yellow – Contact DME Engineering for guidance
▲ Red – Not recommended

# Maximum Flow Capacity Tables



## MAXIMUM BUSHING FLOW CAPACITY

### MAXIMUM LOAD WEIGHT IN GRAMS WITH MAXIMUM HOLE DIAMETERS

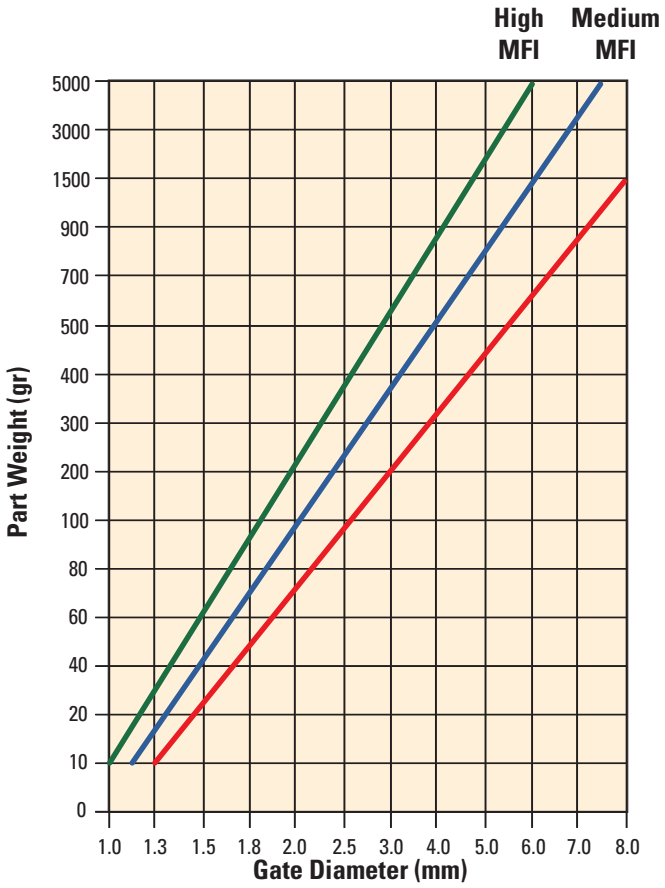
| NOZZLE | 250 SERIES | 375 SERIES | 625 SERIES | MFI (Melt Flow Index) |
|---|---|---|---|---|
|  SPRUE GATE TIP STANDARD / EXTENDED | 800 | 1400 | 2000 | HIGH |
| | 400 | 700 | 1000 | MEDIUM |
| | 200 | 300 | 450 | LOW |
|  RING GATE TIP STANDARD / EXTENDED | 210 | 980 | 1400 | HIGH |
| | 105 | 490 | 700 | MEDIUM |
| | 52 | 210 | 315 | LOW |
|  POINT GATE TIP | 210 | 980 | 1400 | HIGH |
| | 105 | 490 | 700 | MEDIUM |
| | 52 | 210 | 315 | LOW |

## DEFINITION OF MATERIAL INPUT

The optimal gate diameter will vary according to the resin, Melt Flow Index and part weight.

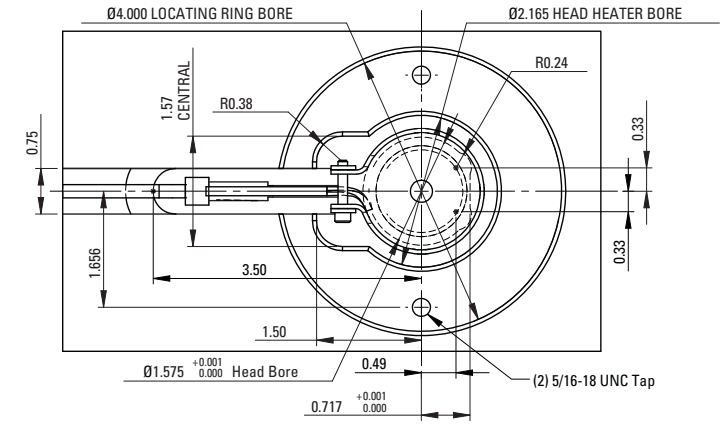
Please refer to the table for guidelines. Other factors to consider when defining gate requirements for a DME D-MAX System are:

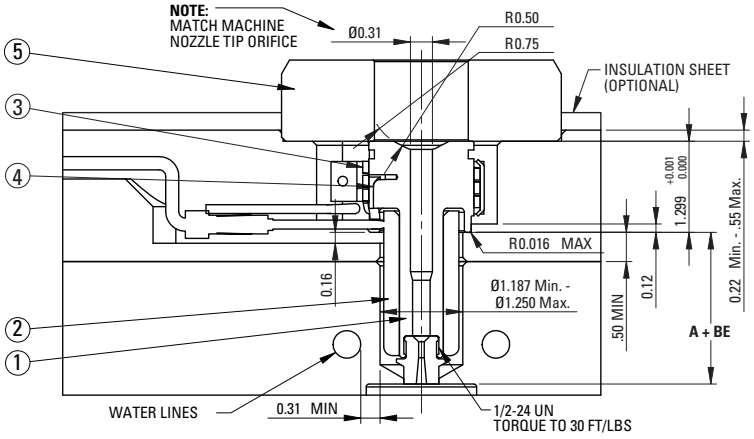
- Product geometry
- Polymer type
- Mold and injection machine conditions



# High Performance Hot Sprue Bushing 250 Series

**NOTE:** Dimensions shown in inches unless specified otherwise.




For selection of gate diameter it is important to take into consideration the material flow characteristics, share rate of resin, molding conditions, fill time requirements, gate vestige, wall thickness and configuration of parts to be molded. Situations requiring high injection velocities must be considered when selecting small gate diameters. High injection rates may require larger gates due to shear heat build up (e.g. high weight thin wall applications). See material manufacturer's literature for further information regarding material to be molded.

To compensate for nozzle's growth when heat is applied, the linear expansion of the nozzle (BE) at a given temperature must be added to the nominal "A" dimension. The formula below shows how to figure boring depth (dimension "A" + BE). The tip of the nozzle will now be flush with the cavity line at processing temperature.

Formula for determining this expansion factor is as follows:
BE = "A" dimension x 0.00000633 x nozzle set point - 68°F (assuming the mold is at 68°F during operation). If mold temperature is different, substitute 68°F with actual mold temperature.

EXAMPLE: Given a 4.134 inch "A" dimension, with a set point of 500°F:
BE = 4.134 x 0.00000633 x (500 - 68) = 0.011
Thus "A" + BE will be 4.145

**NOTE:** The above information is only given as an example; variations may occur based on mold configurations and cooling factor. In some instances, it may be necessary to obtain an empirical factor.

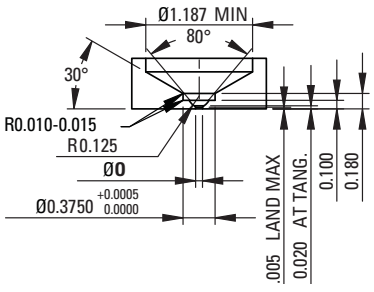
| "O" DIA. | | "S" DIA. |
|---|---|---|
| UNFILLED RESIN | FILLED RESIN | |
| 0.028 Min. | 0.062 Min. | *0.3750 |
| | | 0.5005 |
| | | 0.7505 |
| | | 1.0005 |

* Point Gate (Full Body) only.

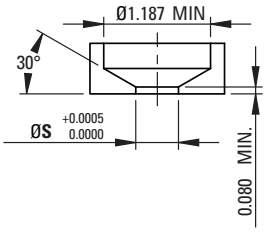
## BUSHING AND COMPONENT SPECIFICATIONS

| ASSEMBLY | "A" DIMENSION | ASSEMBLY COMPONENTS | | | | | | LOCATING RING DETAIL #5 |
|---|---|---|---|---|---|---|---|---|
| | | BUSHING BODY DETAIL #1 | HIGH PERFORMANCE HEATER DETAIL #2 | WATTAGE | HEAD HEATER DETAIL #3 | WATTAGE | THERMOCOUPLE DETAIL #4 | |
| DMAX06055 | 2.165in (55.00mm) | DEP06055 | CIH0081S | 440 | RDP38021 | 295 | DTC38001 | PML0252 Includes (2) 5/16-18 UNC x .75" Lg SHCS |
| DMAX06067 | 2.657in (67.50mm) | DEP06067 | CIH0082S | 350 | | | | |
| DMAX06080 | 3.150in (80.00mm) | DEP06080 | CIH0083S | 400 | | | | |
| DMAX06092 | 3.642in (92.50mm) | DEP06092 | CIH0084S | 565 | | | | |
| DMAX06105 | 4.134in (105.00mm) | DEP06105 | CIH0085S | 500 | | | | |
| DMAX06130 | 5.118in (130.00mm) | DEP06130 | CIH0086S | 500 | | | | |
| DMAX06155 | 6.102in (155.00mm) | DEP06155 | CIH0087S | 550 | | | | |

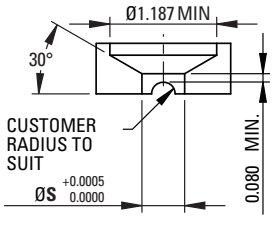
**POINT GATE (BODILESS)**



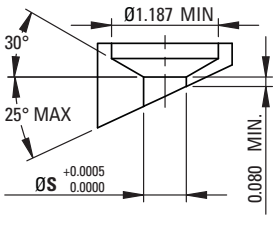

**STD. SPRUE AND POINT GATE (FULL BODY)**




**EXTENDED SPRUE AND EXTENDED POINT GATE (FULL BODY) RUNNER DESIGN**



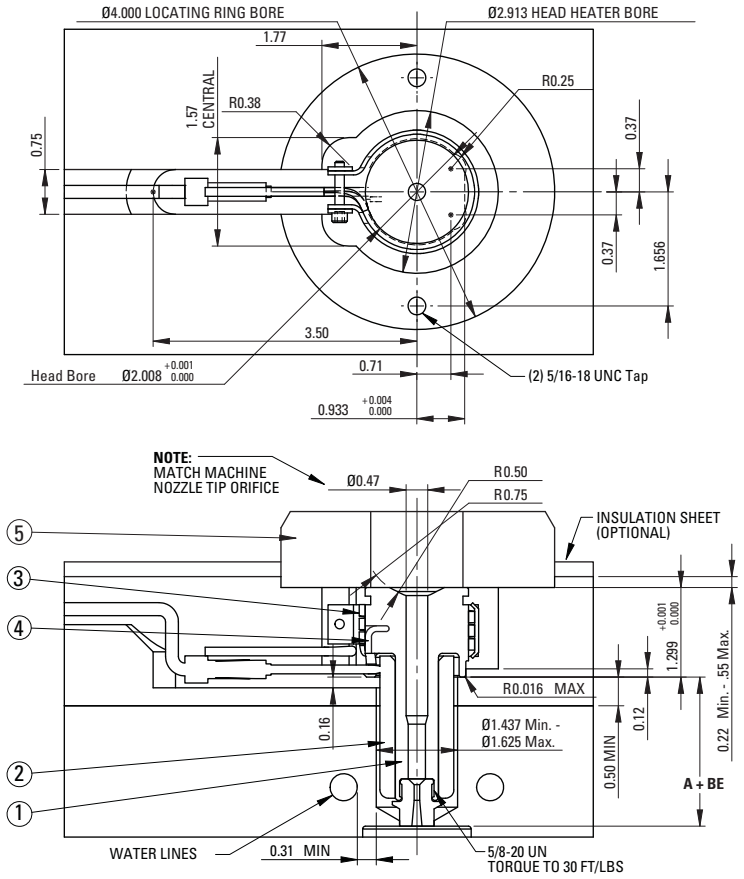

**EXTENDED SPRUE AND EXTENDED POINT GATE (FULL BODY) ANGLE DESIGN**




**NOTE:** For Extended Sprue and Extended Point Gate Tips (Runner or Angle design) customer must modify and machine relief, such that average land contact is 0.080 and 0.062 deep into tip.

# High Performance Hot Sprue Bushing 375 Series

**NOTE:** Dimensions shown in inches unless specified otherwise.




For selection of gate diameter it is important to take into consideration the material flow characteristics, share rate of resin, molding conditions, fill time requirements, gate vestige, wall thickness and configuration of parts to be molded. Situations requiring high injection velocities must be considered when selecting small gate diameters. High injection rates may require larger gates due to shear heat build up (e.g. high weight thin wall applications). See material manufacturer's literature for further information regarding material to be molded.

To compensate for nozzle's growth when heat is applied, the linear expansion of the nozzle (BE) at a given temperature must be added to the nominal "A" dimension. The formula below shows how to figure boring depth (dimension "A" + BE). The tip of the nozzle will now be flush with the cavity line at processing temperature.

Formula for determining this expansion factor is as follows:
BE = "A" dimension x 0.00000633 x nozzle set point - 68ºF (assuming the mold is at 68ºF during operation). If mold temperature is different, substitute 68ºF with actual mold temperature.

EXAMPLE: Given a 2.362 inch "A" dimension, with a set point of 500ºF:
BE = 2.362 x 0.00000633 x (500 - 68) = 0.0064
Thus "A" + BE will be 2.368

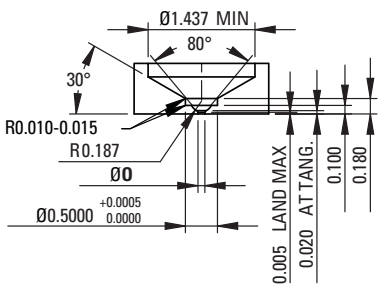
**NOTE:** The above information is only given as an example; variations may occur based on mold configurations and cooling factor. In some instances, it may be necessary to obtain an empirical factor.

| "O" DIA. | | "S" DIA. |
|---|---|---|
| UNFILLED RESIN | FILLED RESIN | |
| 0.028 Min. | 0.062 Min. | 0.5005 |
| | | 0.7505 |
| | | 1.0005 |

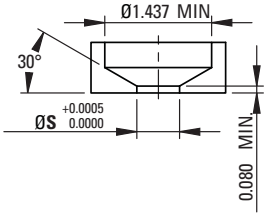
## BUSHING AND COMPONENT SPECIFICATIONS

| ASSEMBLY | "A" DIMENSION | ASSEMBLY COMPONENTS | | | | | | LOCATING RING DETAIL #5 |
|---|---|---|---|---|---|---|---|---|
| | | BUSHING BODY DETAIL #1 | HIGH PERFORMANCE HEATER DETAIL #2 | WATTAGE | HEAD HEATER DETAIL #3 | WATTAGE | THERMOCOUPLE DETAIL #4 | |
| DMAX10060 | 2.362in (60.00mm) | DEP10060 | CIH0088S | 400 | RDP50021 | 400 | DTC38001 | PML3751 Includes (2) 5/16-18 UNC x .75" Lg SHCS |
| DMAX10072 | 2.854in (72.50mm) | DEP10072 | CIH0089S | 450 | | | | |
| DMAX10085 | 3.346in (85.00mm) | DEP10085 | CIH0090S | 550 | | | | |
| DMAX10097 | 3.839in (97.50mm) | DEP10097 | CIH0091S | 700 | | | | |
| DMAX10110 | 4.331in (110.00mm) | DEP10110 | CIH0092S | 800 | | | | |
| DMAX10135 | 5.315in (135.00mm) | DEP10135 | CIH0093S | 900 | | | | |
| DMAX10160 | 6.299in (160.00mm) | DEP10160 | CIH0094S | 1000 | | | | |
| DMAX10185 | 7.283in (185.00mm) | DEP10185 | CIH0095S | 1100 | | | | |

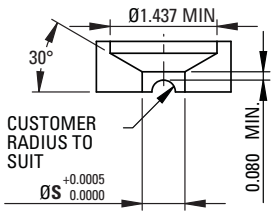
### POINT GATE (BODILESS)



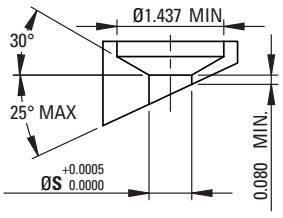

### STD. SPRUE AND POINT GATE (FULL BODY)




### EXTENDED SPRUE AND EXTENDED POINT GATE (FULL BODY) RUNNER DESIGN



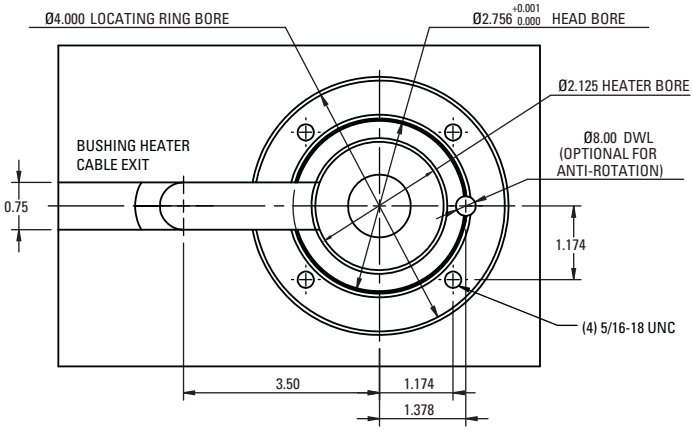

### EXTENDED SPRUE AND EXTENDED POINT GATE (FULL BODY) ANGLE DESIGN

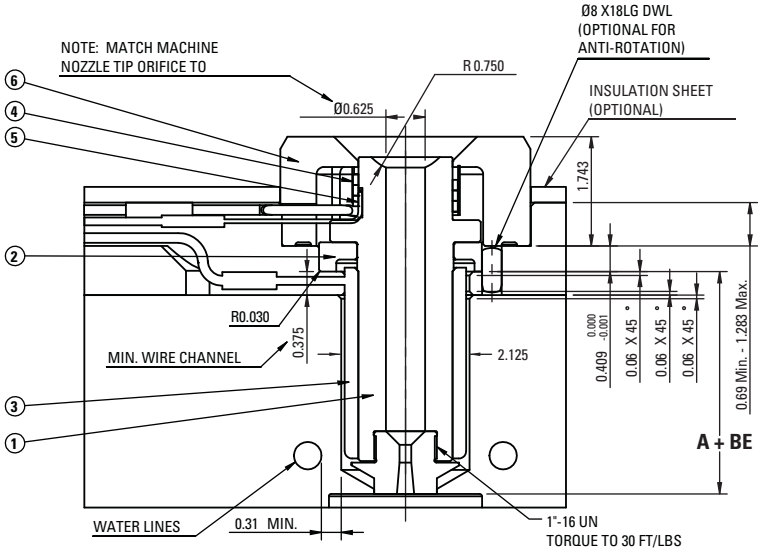



**NOTE:** For Extended Sprue and Extended Point Gate Tips (Runner or Angle design) customer must modify and machine relief, such that average land contact is .080" and .062" deep into tip.

# High Performance Hot Sprue Bushing 625 Series

**NOTE:** Dimensions shown in inches unless specified otherwise.




For selection of gate diameter it is important to take into consideration the material flow characteristics, share rate of resin, molding conditions, fill time requirements, gate vestige, wall thickness and configuration of parts to be molded. Situations requiring high injection velocities must be considered when selecting small gate diameters. High injection rates may require larger gates due to shear heat build up (e.g. high weight thin wall applications). See material manufacturer's literature for further information regarding material to be molded.

To compensate for nozzle's growth when heat is applied, the linear expansion of the nozzle (BE) at a given temperature must be added to the nominal "A" dimension. The formula below shows how to figure boring depth (dimension "A" + BE). The tip of the nozzle will now be flush with the cavity line at processing temperature.

Formula for determining this expansion factor is as follows:
BE = "A" dimension x 0.00000633 x nozzle set point - 68°F (assuming the mold is at 68°F during operation). If mold temperature is different, substitute 68°F with actual mold temperature.

EXAMPLE: Given a 90mm "A" dimension, with a set point of 500°F and mold temperature 68°F:
BE = 3.543 x 0.00000633 x (500 - 68) = .010
Thus "A" + BE will be 3.553

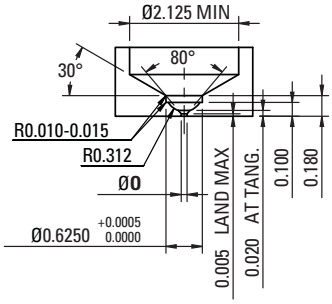
**NOTE:** The above information is only given as an example; variations may occur based on mold configurations and cooling factor. In some instances, it may be necessary to obtain an empirical factor.

| "O" DIA. | | "S" DIA. |
|---|---|---|
| UNFILLED RESIN | FILLED RESIN | |
| 0.080 Min. | 0.100 Min. | 1.0005 |

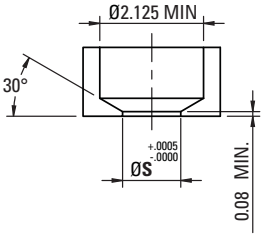
## BUSHING AND COMPONENT SPECIFICATIONS

| ASSEMBLY | "A" DIMENSION | ASSEMBLY COMPONENTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | BUSHING BODY DETAIL #1 | BUSHING HEAD DETAIL #2 | CAST-IN HEATER DETAIL #3 | WATTAGE | HEAD HEATER DETAIL #4 | WATTAGE | THERMOCOUPLE DETAIL #5 | LOCATING RING DETAIL #6 |
| DMAX14090 | 3.543in (90.00mm) | DEP14090 | DBP16001 | CIH0104S | 847 | RCP38021 | 260 | DTC62501 | PML6251 |
| DMAX14115 | 4.528in (115.00mm) | DEP14115 | | CIH0096S | 1000 | | | | |
| DMAX14140 | 5.512in (140.00mm) | DEP14140 | | CIH0097S | 1030 | | | | |
| DMAX14165 | 6.496in (165.00mm) | DEP14165 | | CIH0098S | 1100 | | | | |
| DMAX14190 | 7.480in (190.00mm) | DEP14190 | | CIH0099S | 1000 | | | | |
| DMAX16215 | 8.465in (215.00mm) | DEP16215 | | CIH0101S | 1200 | | | | |
| DMAX16240 | 9.449in (240.00mm) | DEP16240 | | CIH0102S | 1200 | | | | |
| DMAX16265 | 10.433in (265.00mm) | DEP16265 | | CIH0103S | 1200 | | | | |

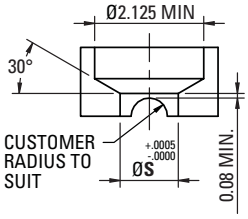
**POINT GATE (BODILESS)**



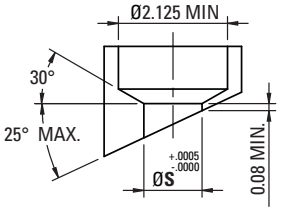

**STD. SPRUE AND POINT GATE (FULL BODY)**




**EXTENDED SPRUE RUNNER DESIGN**

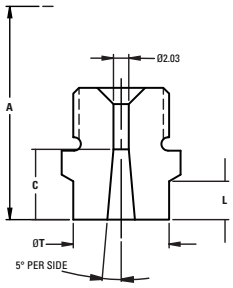



**EXTENDED SPRUE AND ANGLE DESIGN**




**NOTE:** For Extended Sprue Gate Tips (Runner or Angle design) customer must modify and machine relief, such that average land contact is .080" and .062" deep into tip.

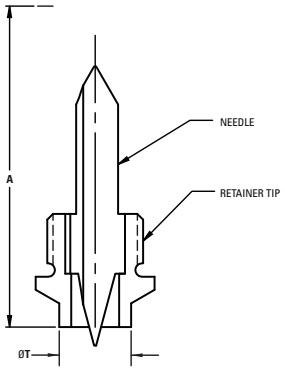
# Gate Tip Detail




## Sprue Gate/Extended Sprue Gate

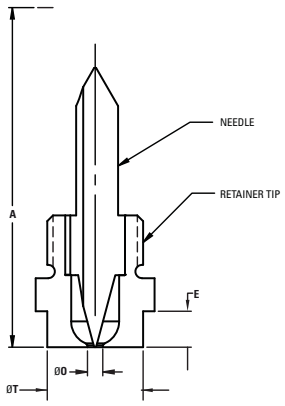
| SERIES | GATE TIP | ITEM NUMBER | B DIA. | T DIA. | L | C |
|---|---|---|---|---|---|---|
| 250 | SPRUE GATE | EHT0010 | .080 | .500 | .250 | .375 |
| | | EHT0011 | | .750 | | |
| | | EHT0012 | | 1.000 | .100 | 1.125 |
| | EXTENDED SPRUE GATE | EHT0013 | | .500 | 1.000 | |
| | | EHT0014 | | .750 | | |
| | | EHT0015 | | 1.000 | .850 | |
| 375 | SPRUE GATE | EHT0016 | .125 | .500 | .250 | .375 |
| | | EHT0017 | | .750 | | |
| | | EHT0018 | | 1.000 | | |
| | EXTENDED SPRUE GATE | EHT0019 | | .500 | 1.000 | 1.125 |
| | | EHT0020 | | .750 | | |
| | | EHT0021 | | 1.000 | | |
| 625 | SPRUE GATE | EHT0022 | .187 | 1.000 | .250 | .500 |
| | EXTENDED SPRUE GATE | EHT0023 | | | 1.000 | 1.250 |

(Add .750 to **A** dimension for extended sprue gate tips.)



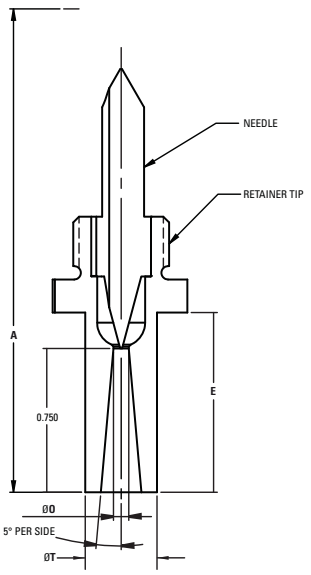

## Point Gate (Bodiless)

| SERIES | GATE TIP | ITEM NUMBER | T DIA. | INCLUDES | |
|---|---|---|---|---|---|
| | | | | NEEDLE | RETAINER TIP |
| 250 | STANDARD | EHT0005 | .375 | EHN0015 | EHT0024 |
| | | EHT1314 | | | EHT0324 |
| | WEAR RESISTANT | EHT1308 | | EHN0401 | EHT0324 |
| | | EHT1313 | | | EHT1324 |
| 375 | STANDARD | EHT0039 | .500 | EHN0016 | EHT0025 |
| | | EHT1312 | | | EHT0325 |
| | WEAR RESISTANT | EHT1303 | | EHN0400 | EHT0325 |
| | | EHT1309 | | | EHT1325 |
| 625 | STANDARD | EHT1306 | .625 | EHN0019 | EHT1354 |
| | | EHT1311 | | | EHT0326 |
| | WEAR RESISTANT | EHT1307 | | EHN0402 | EHT0326 |
| | | EHT1310 | | | EHT1354 |




## Point Gate (Full Body)

| SERIES | TYPE | ITEM NUMBER | T DIA. | O DIA. | E | INCLUDES | |
|---|---|---|---|---|---|---|---|
| | | | | | | NEEDLE | RETAINER TIP |
| 250 | STANDARD | EHT2001 | .375 | .060 | .187 | EHN0015 | EHT0026 |
| | | EHT2002 | | .080 | | | EHT0027 |
| | | EHT2003 | .500 | .060 | | | EHT0028 |
| | | EHT2004 | | .080 | | | EHT0029 |
| | WEAR RESISTANT | EHT2005 | .375 | .060 | | EHN0401 | EHT1326 |
| | | EHT2006 | | .080 | | | EHT1327 |
| | | EHT2007 | .500 | .060 | | | EHT1328 |
| | | EHT2008 | | .080 | | | EHT1329 |
| 375 | STANDARD | EHT2009 | .500 | .080 | .230 | EHN0016 | EHT0030 |
| | | EHT2010 | | .100 | | | EHT0031 |
| | | EHT2011 | .750 | .080 | | | EHT0032 |
| | | EHT2012 | | .100 | | | EHT0033 |
| | | EHT2013 | 1.000 | .080 | | | EHT0034 |
| | | EHT2014 | | .100 | | | EHT0035 |
| | WEAR RESISTANT | EHT2015 | .500 | .080 | | EHN0400 | EHT1330 |
| | | EHT2016 | | .100 | | | EHT1331 |
| | | EHT2017 | .750 | .080 | | | EHT1332 |
| | | EHT2018 | | .100 | | | EHT1333 |
| | | EHT2019 | 1.000 | .080 | | | EHT1334 |
| | | EHT2020 | | .100 | | | EHT1335 |
| 625 | STANDARD | EHT2021 | 1.000 | .125 | .250 | EHN0019 | EHT0036 |
| | WEAR RESISTANT | EHT2022 | | | | EHN0402 | EHT1336 |



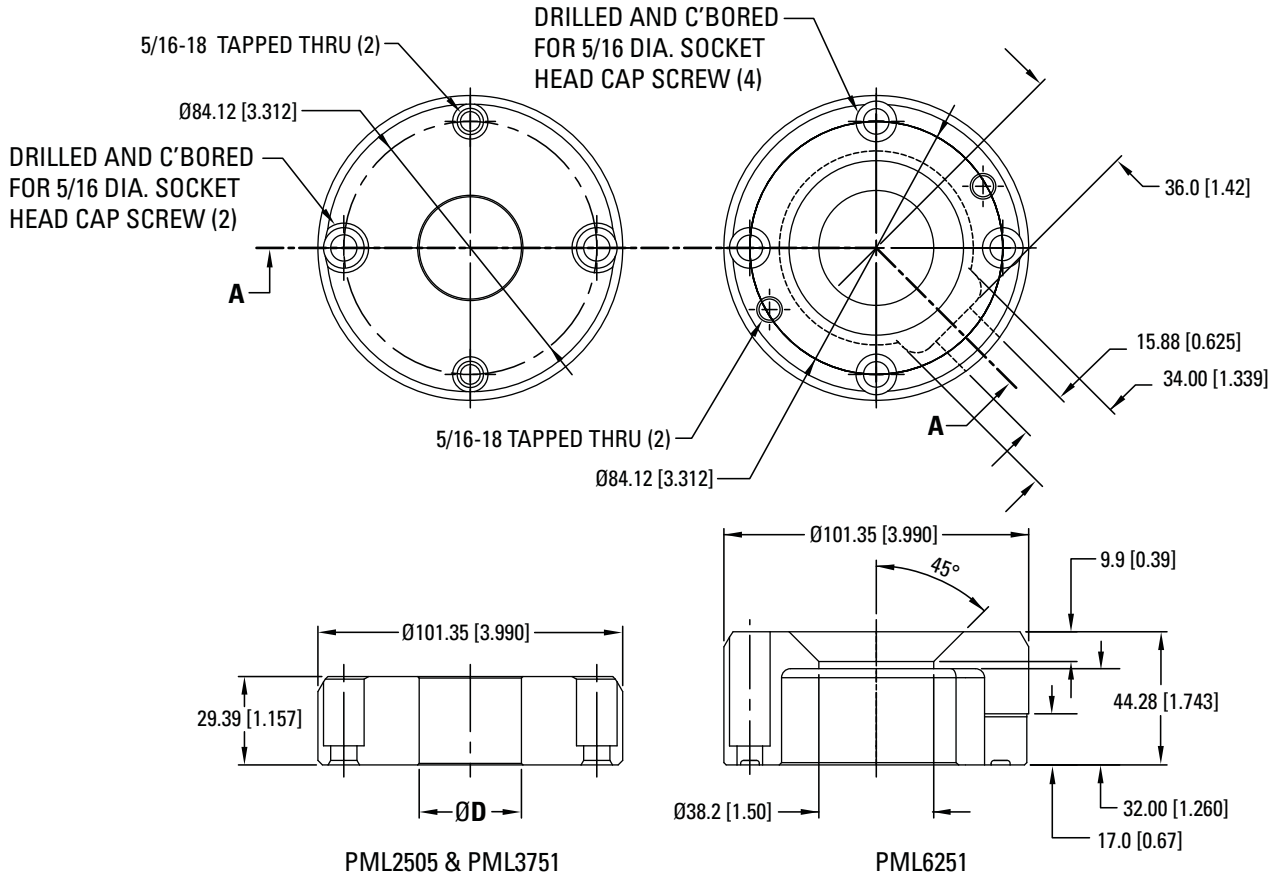

## Point Gate (Full Body Extended)

| SERIES | TYPE | ITEM NUMBER | T DIA. | O DIA. | E | INCLUDES | |
|---|---|---|---|---|---|---|---|
| | | | | | | NEEDLE | RETAINER TIP |
| 250 | STANDARD | EHT2301 | .375 | .060 | .938 | EHN0015 | EHT2326 |
| | | EHT2302 | | .080 | | | EHT2327 |
| | | EHT2303 | .500 | .060 | | | EHT2328 |
| | | EHT2304 | | .080 | | | EHT2329 |
| | WEAR RESISTANT | EHT2305 | .375 | .060 | | EHN0401 | EHT2326 |
| | | EHT2306 | | .080 | | | EHT2327 |
| | | EHT2307 | .500 | .060 | | | EHT2328 |
| | | EHT2308 | | .080 | | | EHT2329 |
| 375 | STANDARD | EHT2309 | .500 | .080 | .980 | EHN0016 | EHT2330 |
| | | EHT2310 | | .100 | | | EHT2331 |
| | | EHT2311 | .750 | .080 | | | EHT2332 |
| | | EHT2312 | | .100 | | | EHT2333 |
| | | EHT2313 | 1.000 | .080 | | | EHT2334 |
| | | EHT2314 | | .100 | | | EHT2335 |
| | WEAR RESISTANT | EHT2315 | .500 | .080 | | EHN0400 | EHT2330 |
| | | EHT2316 | | .100 | | | EHT2331 |
| | | EHT2317 | .750 | .080 | | | EHT2332 |
| | | EHT2318 | | .100 | | | EHT2333 |
| | | EHT2319 | 1.000 | .080 | | | EHT2334 |
| | | EHT2320 | | .100 | | | EHT2335 |
| 625 | STANDARD | EHT2321 | 1.000 | .125 | 1.000 | EHN0019 | EHT2336 |
| | WEAR RESISTANT | EHT2322 | | | | EHN0402 | |

| SERIES | THREAD TYPE |
|---|---|
| 250 | 1/2-24 UN |
| 375 | 5/8-20 UN |
| 625 | 1"-16 UN |

# 250, 375 & 625 High Performance Locating Rings

## 250, 375 & 625 High Performance Locating Rings




PML2505 & PML3751

PML6251

**SECTION A-A**

| ITEM NUMBER | Ø D |
|---|---|
| PML2505 | 34.00 (1.34") |
| PML3751 | 46.00 (1.81") |
| PML6251 | 63.00 (2.48") |

**NOTE:** Dimensions shown in millimeters, inches in parentheses