

D-M-E Polimax® Hot Sprue Bushings

HIGH-PERFORMANCE CAPABILITY
WITH ENGINEERED AND
COMMODITY-GRADE RESINS



Polimax® Hot Sprue Bushings



Plastic Materials and Specifications

- Large number of bushing and tip combinations
- Two flow channel sizes
- Lengths up to 185mm
- High performance capability
- Standard & 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
Polybutylene 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

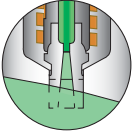
PLASTIC MATERIAL FLOW INDEX				
HIGH MFI	MEDIUM MFI		LOW MFI	
SB	ABS		PVC/FLEX	
PS	SAN	PA 6		PC
PE	PPO	PA 66	TPE	PBT
PP	PPS	POM	PEEK	PUR
	PET	PMMA		

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.

Polimax® Hot Sprue Bushings | Plastic Materials and Specifications

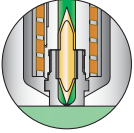
Bushing Selection

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.

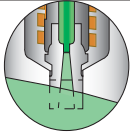
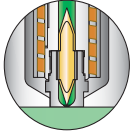
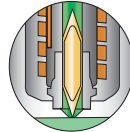
NOZZLE	THERMOPLASTIC RESIN TYPE																							
	AMORPHOUS								SEMI-CRYSTALLINE															
	SB	PUR*	PEI*	PVC/FLEX	SAN*	PS	PC*	PPO*	PE	PP	PEEK	PPS*	PET*	PBT*	PA*	TPE*	POM*	PMMA*	ABS	TPO*	ABS/PC*	PPE/PS*	PSU	LCP
SPRUE GATE TIP STANDARD / EXTENDED	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●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

● Green – Works well with this resin
● Yellow – Contact D-M-E Engineering for guidance
● Red – Not recommended

Maximum Flow Capacity Tables

MAXIMUM BUSHING FLOW CAPACITY

MAXIMUM LOAD WEIGHT IN GRAMS WITH MAXIMUM HOLE DIAMETERS

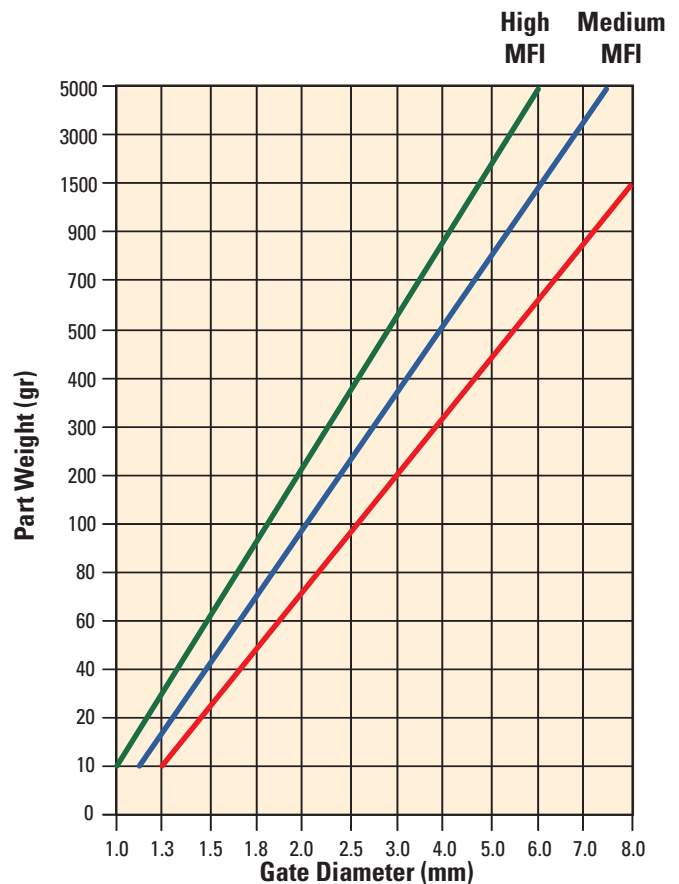
NOZZLE	200 SERIES	500 SERIES	800 SERIES	MFI (Melt Flow Index)
 SPRUE GATE TIP STANDARD / EXTENDED	800	1400	2000	HIGH
	400	700	1000	MEDIUM
	200	300	450	LOW
 RING GATE TIP STANDARD / EXTENDED	210	980	1400	HIGH
	105	490	700	MEDIUM
	52	210	315	LOW
 POINT GATE TIP	210	980	1400	HIGH
	105	490	700	MEDIUM
	52	210	315	LOW

DEFINITION OF MATERIAL INPUT

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

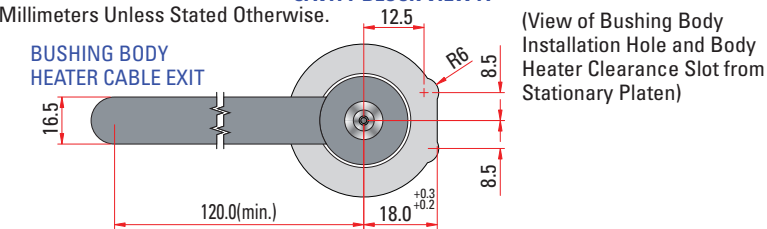
Please refer to the table for guidelines. Other factors to consider when defining gate requirements for a D-M-E Polimax System are:

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

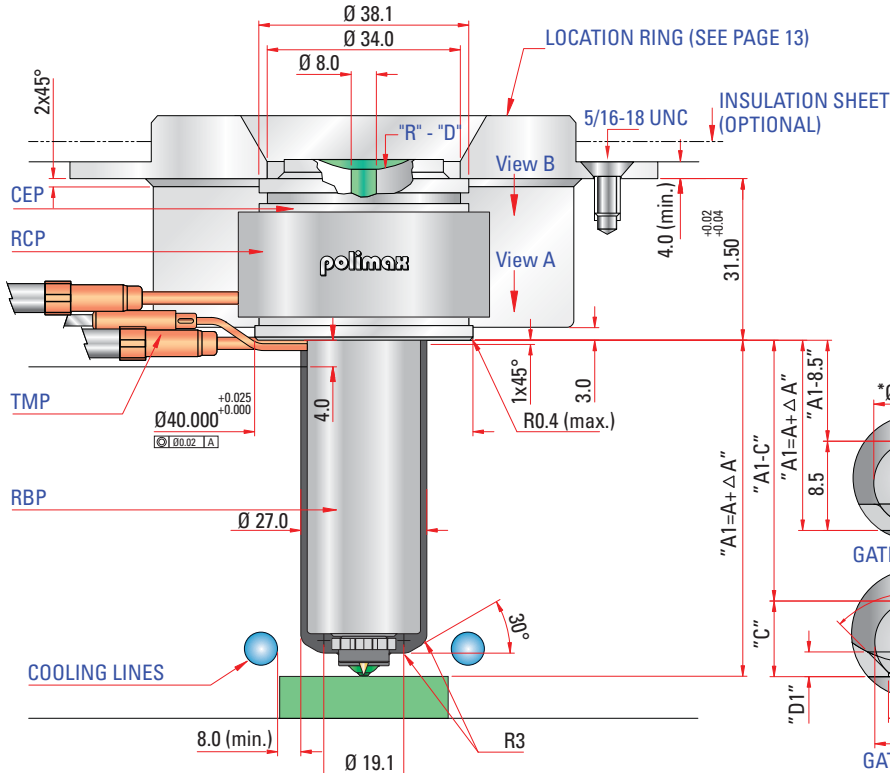
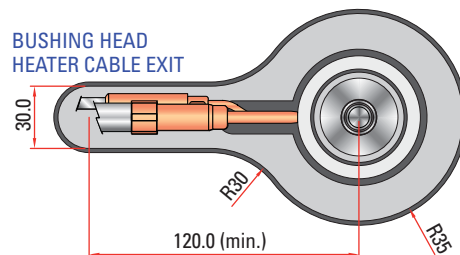


Polimax High Performance Series 200

NOTE: Dimensions Shown in **CAVITY BLOCK VIEW A** Millimeters Unless Stated Otherwise.



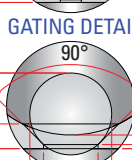
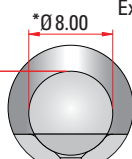
CAVITY BLOCK VIEW B
(View of Bushing Body Installation Hole and Head Heater Clearance Slot from Stationary Platen)



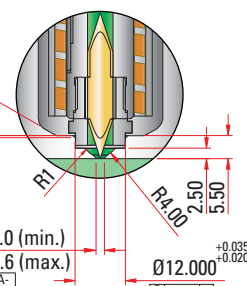
CODE FOR DETAIL	SPHERICAL "R"	CHAMFER "D"
...-R000	0	
...-R155	15.5	
...-R400	40.0	
...-R050	1/2"	
...-R075	3/4"	
...-D090		90° - incl.

Ex: EDP06055-R050

SPHERICAL RADIUS: R1/2"



POINT GATE TIP



Bushing Thermal Expansion $\Delta A = A \times 0.0000115 \times (\text{Setpoint } ^\circ\text{C} - 20^\circ\text{C})$
or $\Delta A = A \times 0.0000064 \times (\text{Setpoint } ^\circ\text{F} - 68^\circ\text{F})$

Click on assembly number to download CAD part geometry.

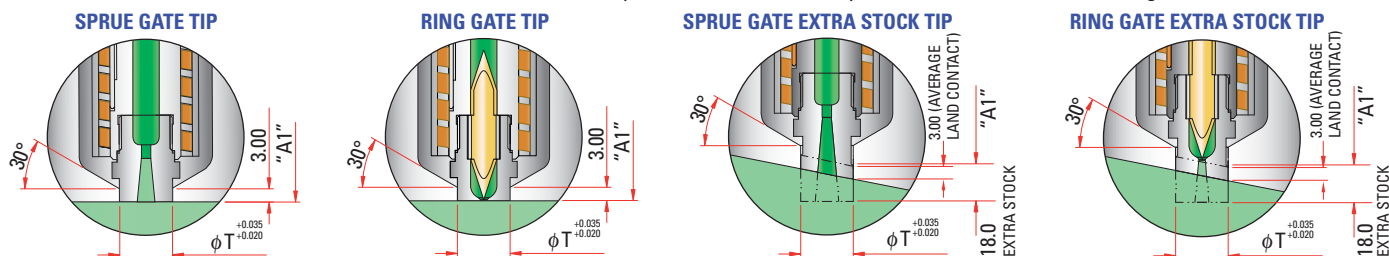
BUSHING AND COMPONENT SPECIFICATIONS								GATE DIAMETER	DIMENSION "B"	DIMENSION "C"	DIMENSION "D1"
ASSEMBLY	DIMENSION "A"	ASSEMBLY COMPONENTS									
		BUSHING BODY	HEATER	WATTS	HEAD HEATER	WATTS	THERMOCOUPLE				
EDP06055-R...	55.00	CEP06055-R...	RBPO6053	460W	RCP38020	295W	TMP01080	Ø 1.0		2.06	0.62
EDP06067-R...	67.50	CEP06067-R...	RBPO6065	460W			TMP01100	Ø 1.2	Ø 2.00	1.96	0.66
EDP06080-R...	80.00	CEP06080-R...	RBPO6078	690W			TMP01120	Ø 1.4		1.86	0.70
EDP06092-R...	92.50	CEP06092-R...	RBPO6092	690W			TMP01140	Ø 1.6	Ø 3.00	2.97	0.75
EDP06105-R...	105.00	CEP06105-R...	RBPO6104	760W			TMP01160	Ø 1.8		2.87	0.82
EDP06130-R...	130.00	CEP06130-R...	RBPO6129	850W			TMP01180	Ø 2.0		2.77	0.91
EDP06155-R...	155.00	CEP06155-R...	RBPO6155	1100W			TMP01200	Ø 2.2		3.88	1.02
							Ø 2.4	Ø 4.00	3.78	1.18	
							Ø 2.6		3.68	1.54	

NOTE 1: Maximum Operating Pressure in Bushing 138 MPa (20,000 PSI).
2: Maximum Operating Temperature of Bushing 343°C (650°F).
3: Watts Shown Based on 230V.

* The "B" and 8.00 Diameter Dimensions are correct. Ball Gages to be used for checking the "A1-C" and "A1-8.5" Dimensions.

TIP OPTIONS

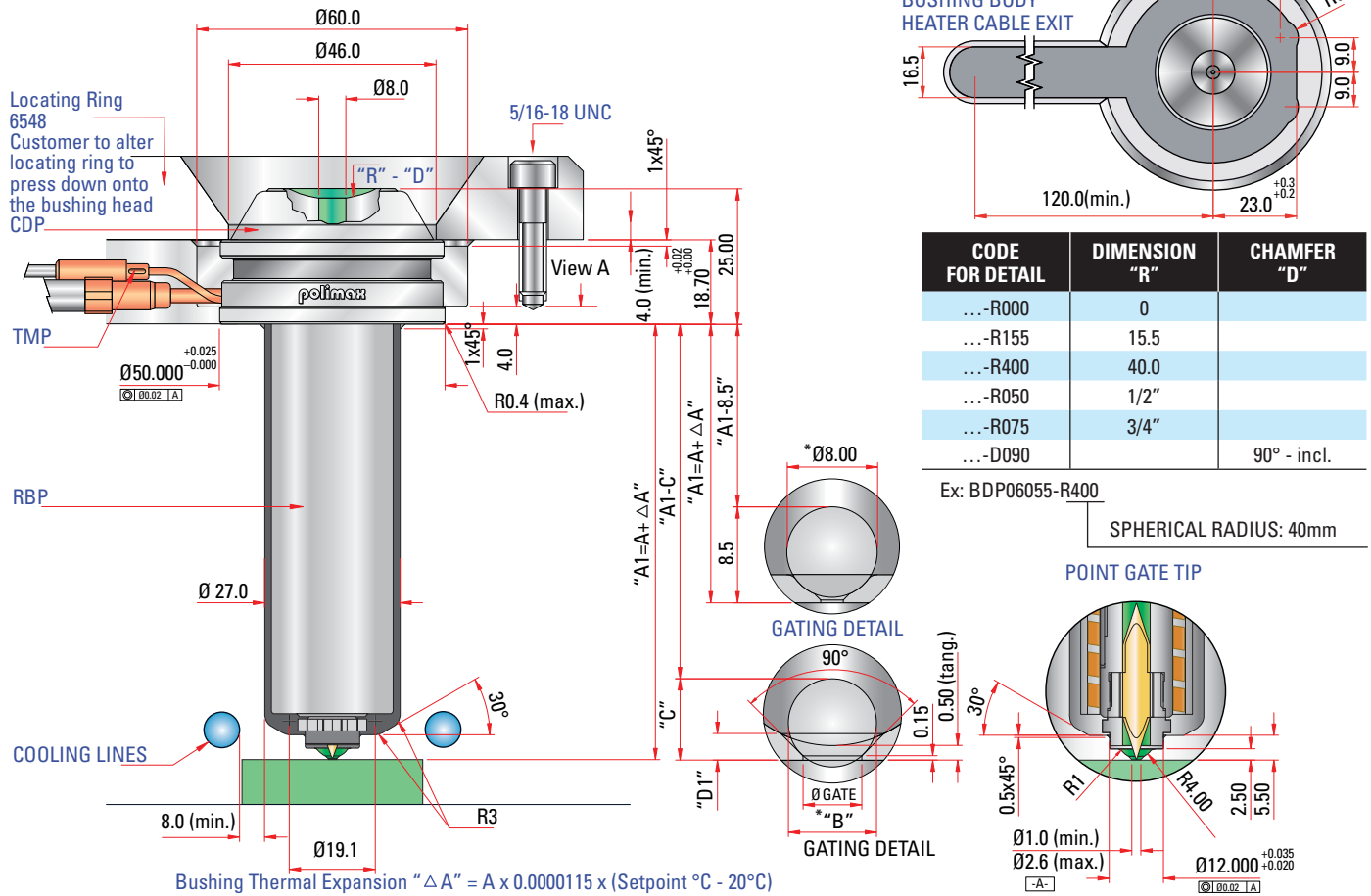
NOTE: For Extra Stock Tips, Customer Must Modify and Add Relief, Such that Average Land Contact is 3.00mm.



Polimax Standard Series 200

NOTE: Dimensions Shown in Millimeters Unless Stated Otherwise.

View A (View of Body and Head Installation Hole, with Body Heater Slot, Viewed from Stationary Platen)



Bushing Thermal Expansion "ΔA" = A x 0.0000115 x (Setpoint °C - 20°C)
 or "ΔA" = A x 0.0000064 x (Setpoint °F - 68°F)

Click on assembly number to download CAD part geometry.

BUSHING AND COMPONENT SPECIFICATIONS					
ASSEMBLY	DIMENSION "A"	ASSEMBLY COMPONENTS			
		BUSHING BODY	HEATER	WATTS	THERMOCOUPLE
BDP06055-R...	55.00	CDP06055-R...	RBP06053	460W	TMP01080
BDP06067-R...	67.50	CDP06067-R...	RBP06065	460W	TMP01100
BDP06080-R...	80.00	CDP06080-R...	RBP06078	690W	TMP01120
BDP06092-R...	92.50	CDP06092-R...	RBP06092	690W	TMP01140
BDP06105-R...	105.00	CDP06105-R...	RBP06104	760W	TMP01160
BDP06130-R...	130.00	CDP06130-R...	RBP06129	850W	TMP01180
BDP06155-R...	155.00	CDP06155-R...	RBP06155	1100W	TMP01200

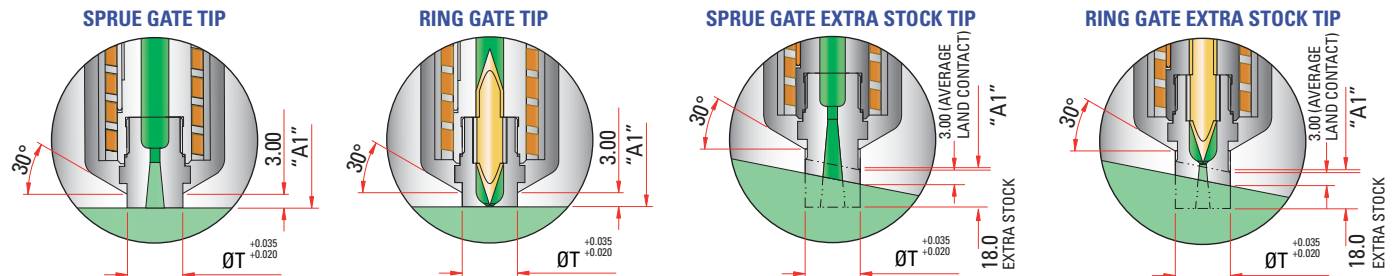
GATE DIAMETER	DIMENSION "B"	DIMENSION "C"	DIMENSION "D1"
Ø 1.0		2.06	0.62
Ø 1.2	Ø 2.00	1.96	0.66
Ø 1.4		1.86	0.70
Ø 1.6		2.97	0.75
Ø 1.8	Ø 3.00	2.87	0.82
Ø 2.0		2.77	0.91
Ø 2.2		3.88	1.02
Ø 2.4	Ø 4.00	3.78	1.18
Ø 2.6		3.68	1.54

NOTE 1: Maximum Operating Pressure in Bushing 138 MPa (20,000 PSI).
 2: Maximum Operating Temperature of Bushing 288°C (550°F).
 3: Watts Shown Based on 230V.

* The "B" and 8.00 Diameter Dimensions are correct. Ball Gages to be used for checking the "A1-C" and "A1-8.5" Dimensions.

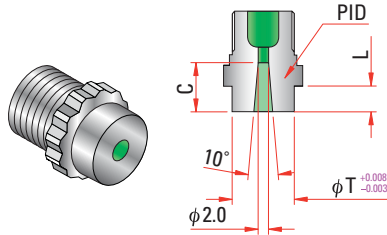
TIP OPTIONS

NOTE: For Extra Stock Tips, Customer Must Modify and Add Relief, Such that Average Land Contact is 3.00mm.



Polimax Series 200 Tips

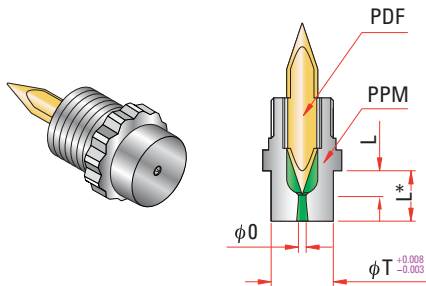
NOTE: Dimensions Shown in Millimeters Unless Stated Otherwise.



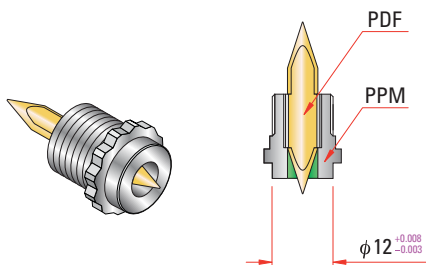
SPRUE GATE TIP [Click on tip number to download CAD part geometry.](#)

TIP DIMENSIONS			
TIPS	DIMENSION "T"	DIMENSION "L"	DIMENSION "C"
PID06001	12.00	5.50	9.00
PID06002	18.00	5.50	9.00
PID06003	12.00	23.50	27.00
PID06004	18.00	23.50	27.00
PID06102	25.40	3.00	9.00
PID06104	25.40	21.00	27.00

[Click on assembly number to download CAD part geometry.](#)
RING GATE TIP (*Extended Ring Gate Tip)



TIP DIMENSIONS						
ASSEMBLY	ASSEMBLY COMPONENTS		MATERIAL	DIMENSION "T"	DIMENSION "O"	DIMENSION "L"
	NEEDLE	RETAINER TIP				
PMA06009	PDF06502	PPM06601	WEAR RESISTANT	12.00	1.50	5.50
PMA06010		PPM06602		12.00	2.00	
PMA06011		PPM06603		18.00	1.50	
PMA06012		PPM06604		18.00	2.00	
PMA06013		PPM06605		12.00	1.50	23.50*
PMA06014		PPM06606		12.00	2.00	
PMA06015		PPM06607		18.00	1.50	
PMA06016		PPM06608		18.00	2.00	
PMA06109	PDF06802	PPM06601	STANDARD D-M-E	12.00	1.50	5.50
PMA06110		PPM06602		12.00	2.00	
PMA06111		PPM06603		18.00	1.50	
PMA06112		PPM06604		18.00	2.00	
PMA06113		PPM06605		12.00	1.50	23.50*
PMA06114		PPM06606		12.00	2.00	
PMA06115		PPM06607		18.00	1.50	
PMA06116		PPM06608		18.00	2.00	



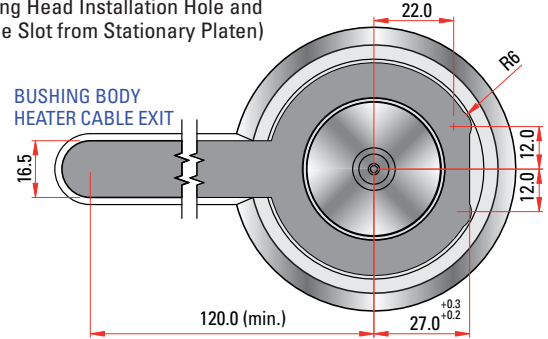
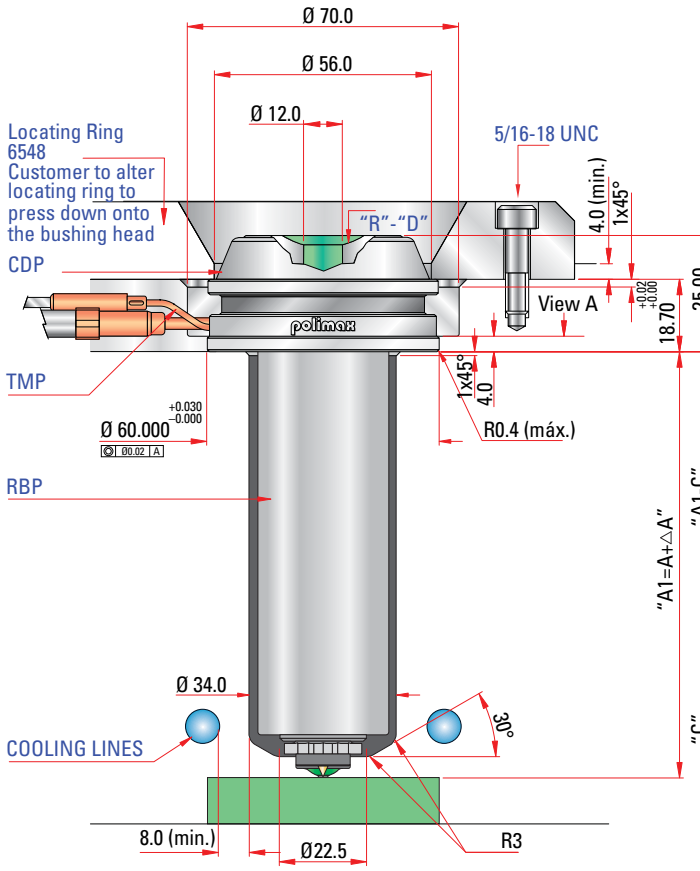
POINT GATE TIP [Click on assembly number to download CAD part geometry.](#)

ASSEMBLY	POINT GATE COMPONENTS		
	NEEDLE	RETAINER TIP	MATERIAL
PVM06002	PDF06502	PPM06609	WEAR RESISTANT
PVM06009	PDF06802	PPM06609	STANDARD DME

Polimax Standard Series 500

NOTE: Dimensions in Millimeters Unless Stated Otherwise.

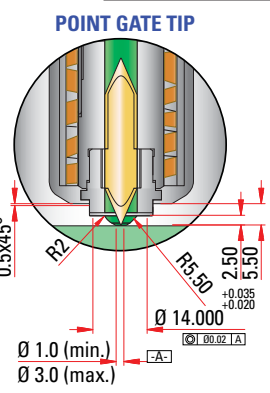
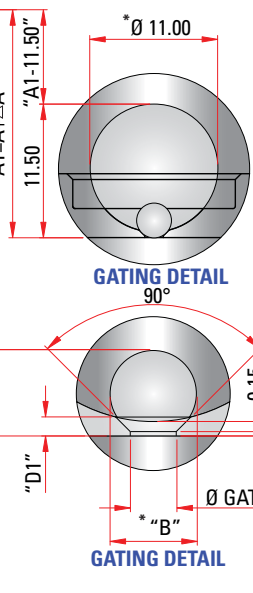
View A (View of Bushing Head Installation Hole and Head Heater Clearance Slot from Stationary Platen)



CODE FOR DETAIL	DIMENSION "R"	CHAMFER "D"
...-R000	0	
...-R155	15.5	
...-R400	40.0	
...-R050	1/2"	
...-R075	3/4"	
...-D090		90° - incl.

Ex: BDP10055-R400

SPHERICAL RADIUS 40 mm



Bushing Thermal Expansion $\Delta A = A \times 0.0000115 \times (\text{Setpoint } ^\circ\text{C} - 20^\circ\text{C})$
 Bushing Thermal Expansion $\Delta A = A \times 0.0000064 \times (\text{Setpoint } ^\circ\text{F} - 68^\circ\text{F})$

Click on assembly number to download CAD part geometry.

BUSHING AND COMPONENT SPECIFICATIONS					
ASSEMBLY	DIMENSION "A"	ASSEMBLY COMPONENTS			
		BUSHING BODY	HEATER	WATTS	THERMOCOUPLE
BDP10055-R...	55.00	CDP10055-R...	RBP10056	500W	TMP01080
BDP10067-R...	67.50	CDP10067-R...	RBP10069	690W	TMP01100
BDP10080-R...	80.00	CDP10080-R...	RBP10081	760W	TMP01120
BDP10092-R...	92.50	CDP10092-R...	RBP10094	760W	TMP01140
BDP10105-R...	105.00	CDP10105-R...	RBP10107	760W	TMP01160
BDP10130-R...	130.00	CDP10130-R...	RBP10131	850W	TMP01180
BDP10155-R...	155.00	CDP10155-R...	RBP10158	1100W	TMP01200
BDP10180-R...	180.00	CDP10180-R...	RBP10183	1300W	TMP01220

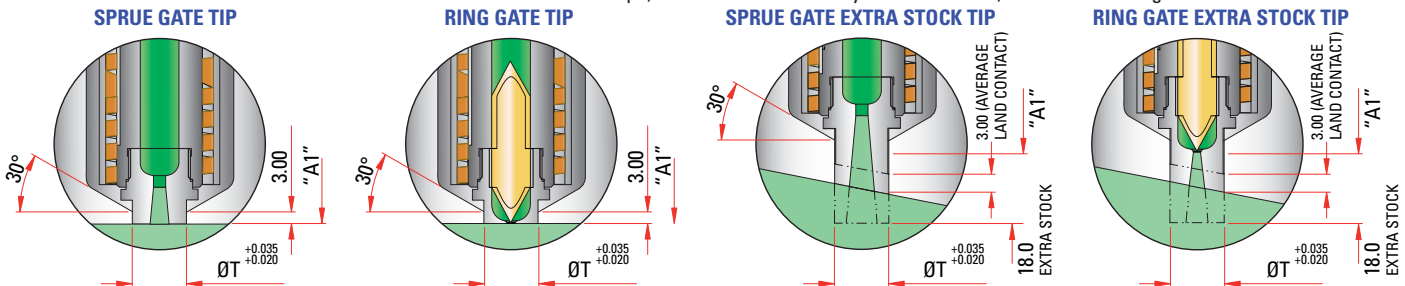
GATE DIAMETER	DIMENSION "B"	DIMENSION "C"	DIMENSION "D1"
Ø 1.0		2.06	0.58
Ø 1.2		1.96	0.60
Ø 1.4	Ø 2.00	1.86	0.63
Ø 1.6		2.97	0.66
Ø 1.8	Ø 3.00	2.87	0.69
Ø 2.0		2.77	0.73
Ø 2.2		3.88	0.78
Ø 2.4	Ø 4.00	3.78	0.83
Ø 2.6		3.68	0.89
Ø 2.8		4.78	0.96
Ø 3.0	Ø 5.00	4.68	1.05

NOTE 1: Maximum Operating Pressure in Bushing 138 MPa (20,000 PSI)
 2: Maximum Operating Temperature of Bushing 288°C (550°F)
 3: Watts Shown Based on 230V.

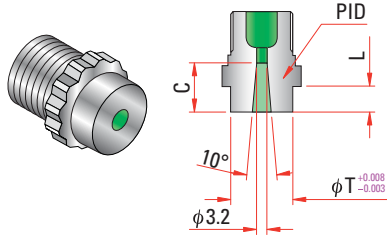
* The "B" and 11.00 Diameter Dimensions are correct. Ball Gages to be used for checking the "A1-C" and "A1-11.50" Dimensions.

TIP OPTIONS

NOTE: For Extra Stock Tips, Customer Must Modify and Add Relief, Such that Average Land Contact is 3.00mm.



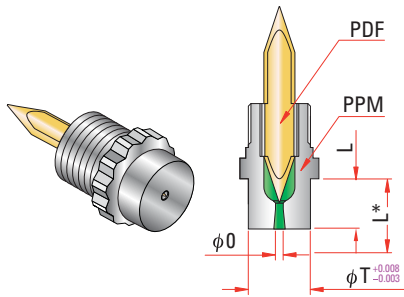
Polimax Series 500 Tips



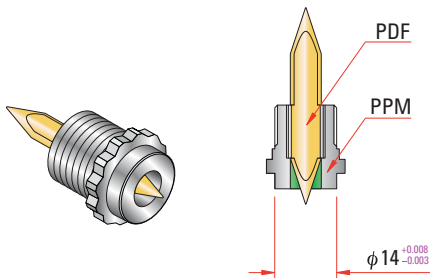
Click on tip number to download CAD part geometry.

TIP DIMENSIONS			
TIPS	DIMENSION "T"	DIMENSION "L"	DIMENSION "C"
PID10001	14.00	6.00	9.50
PID10002	18.00	6.00	9.50
PID10003	14.00	24.00	27.50
PID10004	18.00	24.00	27.50
PID10102	25.40	3.00	9.50
PID10104	25.40	21.00	27.50

Click on assembly number to download CAD part geometry.
RING GATE TIP (*Extended Ring Gate Tip)



TIP DIMENSIONS						
ASSEMBLY	ASSEMBLY COMPONENTS		MATERIAL	DIMENSION "T"	DIMENSION "O"	DIMENSION "L"
	NEEDLE	RETAINER TIP				
PMA10009	PDF10502	PPM10601	WEAR RESISTANT	14.00	2.00	6.00
PMA10010		PPM10602		14.00	2.50	
PMA10011		PPM10603		18.00	2.00	
PMA10012		PPM10604		18.00	2.50	
PMA10013		PPM10605		14.00	2.00	24.00*
PMA10014		PPM10606		14.00	2.50	
PMA10015		PPM10607		18.00	2.00	
PMA10016		PPM10608		18.00	2.50	
PMA10109	PDF10802	PPM10601	STANDARD D-M-E	14.00	2.00	6.00
PMA10110		PPM10602		14.00	2.50	
PMA10111		PPM10603		18.00	2.00	
PMA10112		PPM10604		18.00	2.50	
PMA10113		PPM10605		14.00	2.00	24.00*
PMA10114		PPM10606		14.00	2.50	
PMA10115		PPM10607		18.00	2.00	
PMA10116		PPM10608		18.00	2.50	



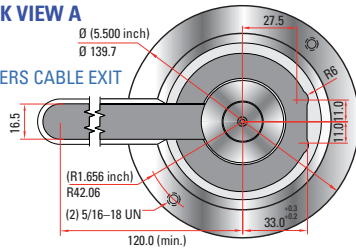
POINT GATE TIP Click on assembly number to download CAD part geometry.

ASSEMBLY	POINT GATE COMPONENTS		
	NEEDLE	RETAINER TIP	MATERIAL
PVM10002	PDF10502	PPM10609	WEAR RESISTANT
PVM10009	PDF10802	PPM10609	STANDARD DME

Polimax High Performance Series 800

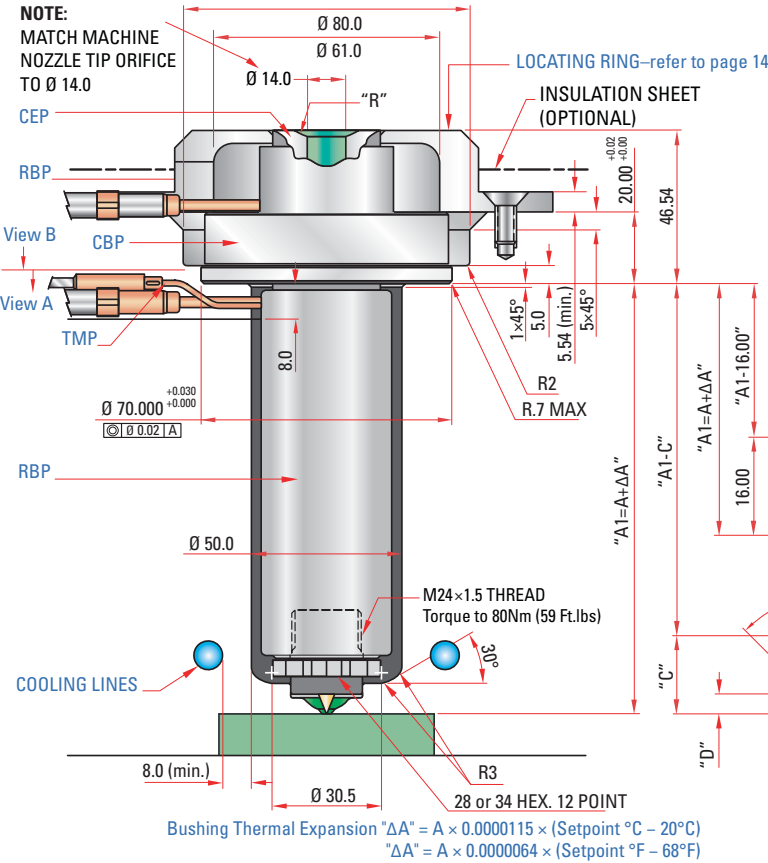
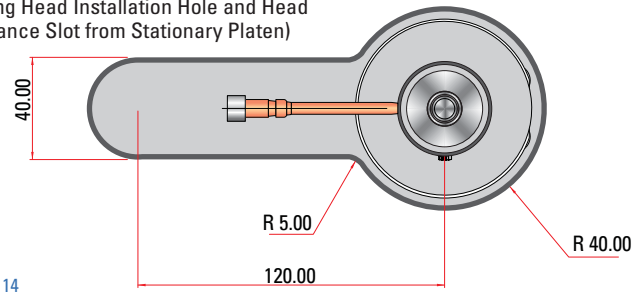
CAVITY BLOCK VIEW A

BUSHING HEATERS CABLE EXIT



CAVITY BLOCK VIEW B

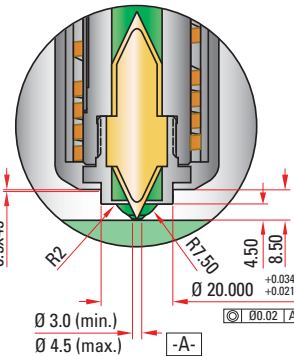
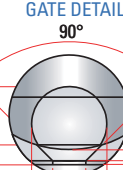
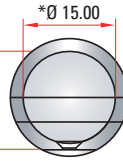
(View of Bushing Head Installation Hole and Head Heater Clearance Slot from Stationary Platen)



CODE FOR DETAIL	SPHERICAL "R"
...-R000	0
...-R075	3/4"

Ex: EDP14090US-R075

SPHERICAL RADIUS : R 3/4"



Click on assembly number to download CAD part geometry.

BUSHING AND COMPONENT SPECIFICATIONS								
ASSEMBLY	DIMENSION "A"	ASSEMBLY COMPONENTS						
		BUSHING BODY	BUSHING HEAD	HEATER	WATTS	THERMO-COUPLE	HEAD HEATER	WATTS
EDP14090US-R...	90.00	CEP14090US-R...		RBP14070	850W	TMP01100		
EDP14115US-R...	115.00	CEP14115US-R...		RBP14095	1100W	TMP01140		
EDP14140US-R...	140.00	CEP14140US-R...	CBP14001	RBP14120	1100W	TMP01160	RBP14020	260W
EDP14165US-R...	165.00	CEP14165US-R...		RBP14145	1300W	TMP01180		
EDP14190US-R...	190.00	CEP14190US-R...		RBP14170	1300W	TMP01200		

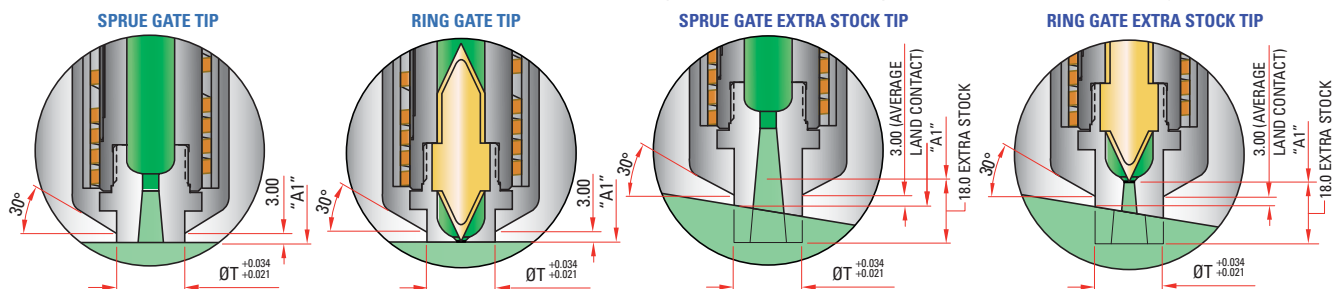
GATE DIAMETER	DIMENSION "B"	DIMENSION "C"	DIMENSION "D1"
Ø 3.0		6.00	1.53
Ø 3.2	Ø 6.00	5.90	1.60
Ø 3.4		5.80	1.68
Ø 3.6		8.11	1.78
Ø 3.8	Ø 8.00	8.01	1.88
Ø 4.0		7.91	2.01
Ø 4.5		7.66	2.49

NOTE 1: Maximum Operating Pressure in Bushing 138 MPa (20,000 PSI)
 2: Maximum Operating Temperature of Bushing 343°C (650°F)
 3: Watts Shown Based on 230V.

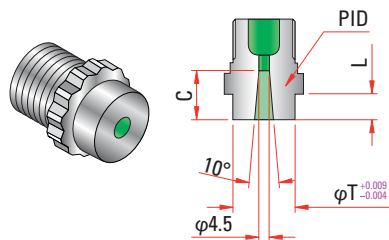
* The "B" and 15.00 Diameter Dimensions are correct. Ball Gages to be used for checking the "A1-C" and "A1-16.00" Dimensions.

TIP OPTIONS

NOTE: For Extra Stock Tips, Customer Must Modify and Add Relief, Such that Average Land Contact is 3.00mm.



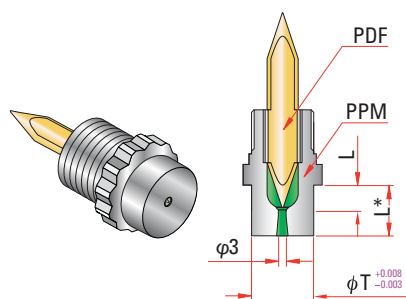
Polimax Series 800 Tips



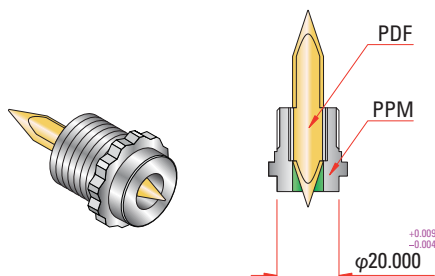
SPRUE GATE TIP [Click on tip number to download CAD part geometry.](#)

TIP DIMENSIONS			
TIPS	DIMENSION "T"	DIMENSION "L"	DIMENSION "C"
PID14001	20.000	9.50	15.50
PID14002	30.000	9.50	15.50
PID14003	20.000	27.50	33.50
PID14004	30.000	27.50	33.50

[Click on assembly number to download CAD part geometry.](#)
RING GATE TIP (*Extended Ring Gate Tip)



TIP DIMENSIONS					
ASSEMBLY	ASSEMBLY COMPONENTS		MATERIAL	DIMENSION "T"	DIMENSION "L"
	NEEDLE	RETAINER TIP			
PMA14010	PDF14502	PPM14602	WEAR RESISTANCE	20.000	9.50
PMA14012		PPM14604		30.000	
PMA14014		PPM14606		20.000	
PMA14016		PPM14608		30.000	
PMA14110	PDF14802	PPM14602	STANDARD DME	20.000	9.50
PMA14112		PPM14604		30.000	
PMA14114		PPM14606		20.000	
PMA14116		PPM14608		30.000	

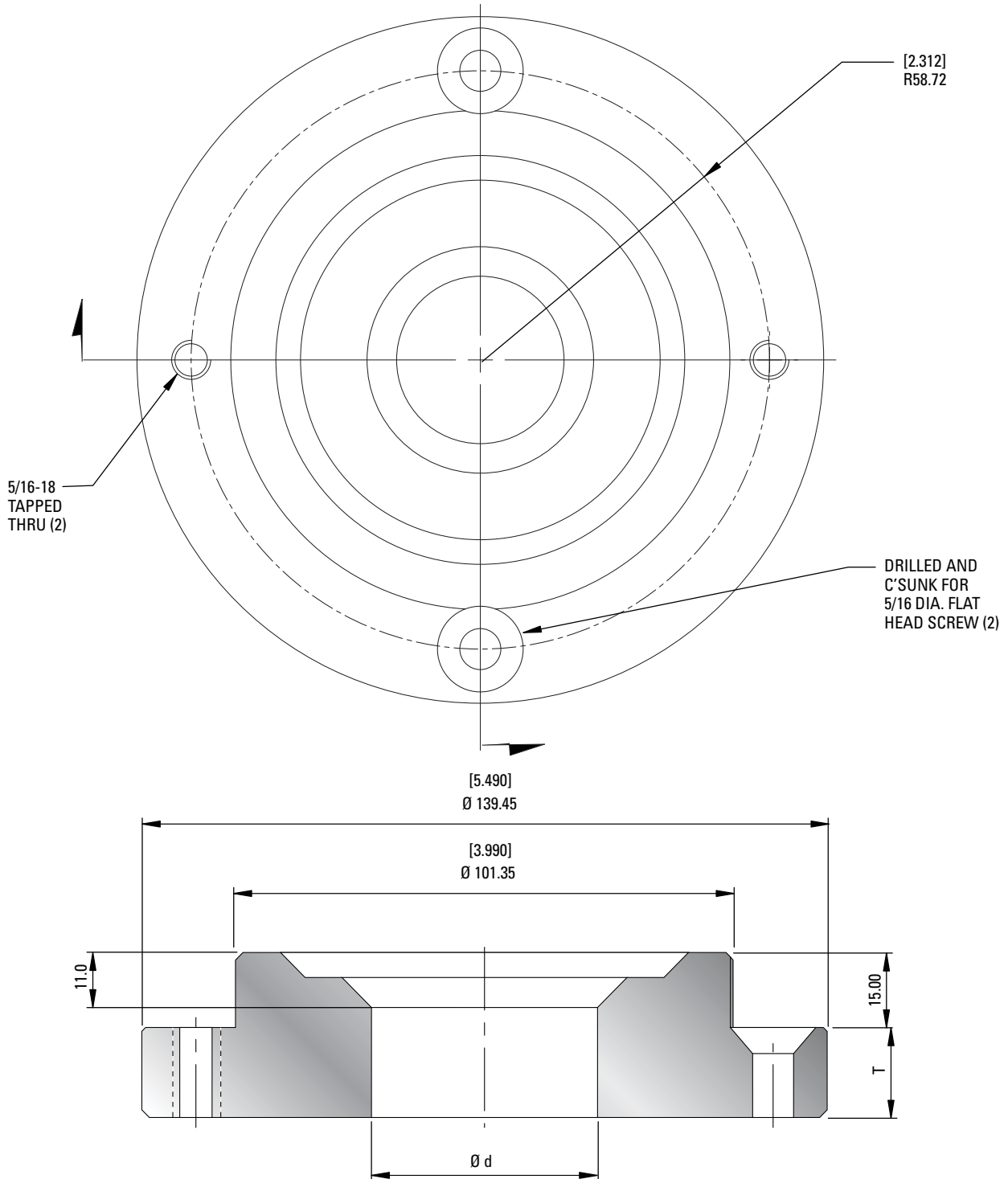


POINT GATE TIP [Click on assembly number to download CAD part geometry.](#)

ASSEMBLY	POINT GATE COMPONENTS		
	NEEDLE	RETAINER TIP	MATERIAL
PVM14002	PDF14502	PPM14609	WEAR RESISTANT
PVM14009	PDF14802	PPM14609	STANDARD DME

200 & 500 High Performance Locating Rings

200 & 500 SERIES HIGH PERFORMANCE LOCATING RINGS



Click on item number to download CAD part geometry.

HOT SPRUE BUSHING	ITEM NUMBER	$\emptyset d$	T
200 Series	PML0251	34.0 (1.34")	18.00 (0.709")*
200 Series	PML0253	34.0 (1.34")	5.54 (0.218")*
500 Series	PML0551	46.0 (1.81")	18.00 (0.709")
500 Series	PML0553	46.0 (1.81")	5.54 (0.218")

*Alter flange height to suit application and/or alter counterbore depth for locating ring flange in the top clamp plate
NOTE: Dimensions shown in Millimeters, Inches in parenthesis

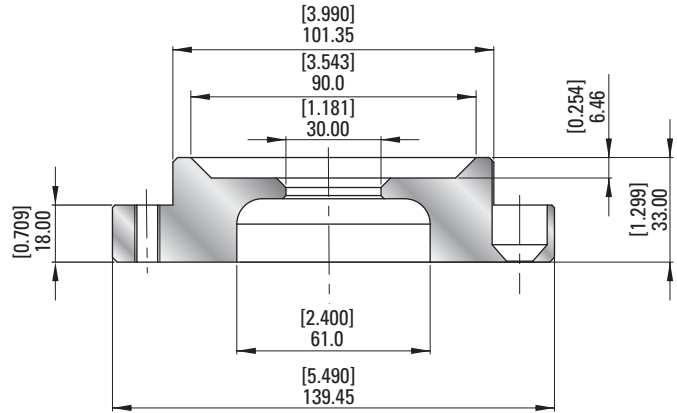
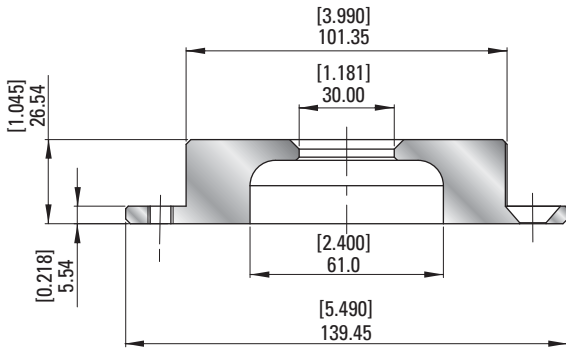
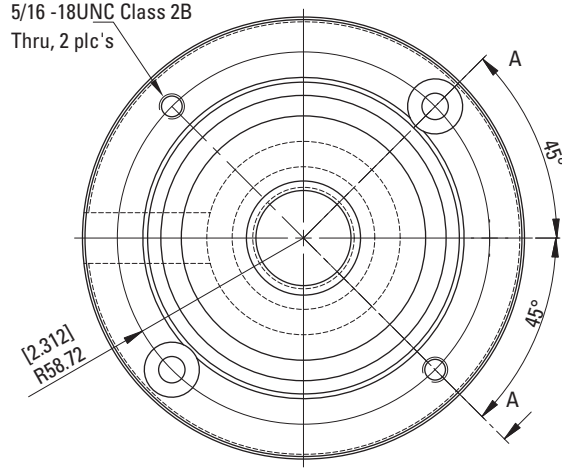
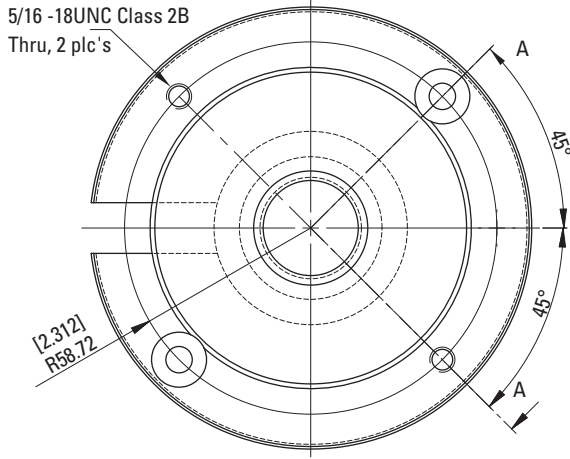
800 Locating Rings

Click on catalog number to download CAD part geometry.

POLIMAX 800 LOCATING RING NA STANDARD
CATALOG #PML0853

POLIMAX 800 LOCATING RING NA EXTENDED
CATALOG #PML0851

NOTE: Counterbore Depth in Top Clamp Plate and/or Top of Flange in Locating Ring (can be Altered to Suit Application)



NOTE 1: Locating Rings Supplied with (2) 5/16-18 x 1-1/4LG F.H.C.S
 2: Dimensions in Millimeters Unless Otherwise Stated.