

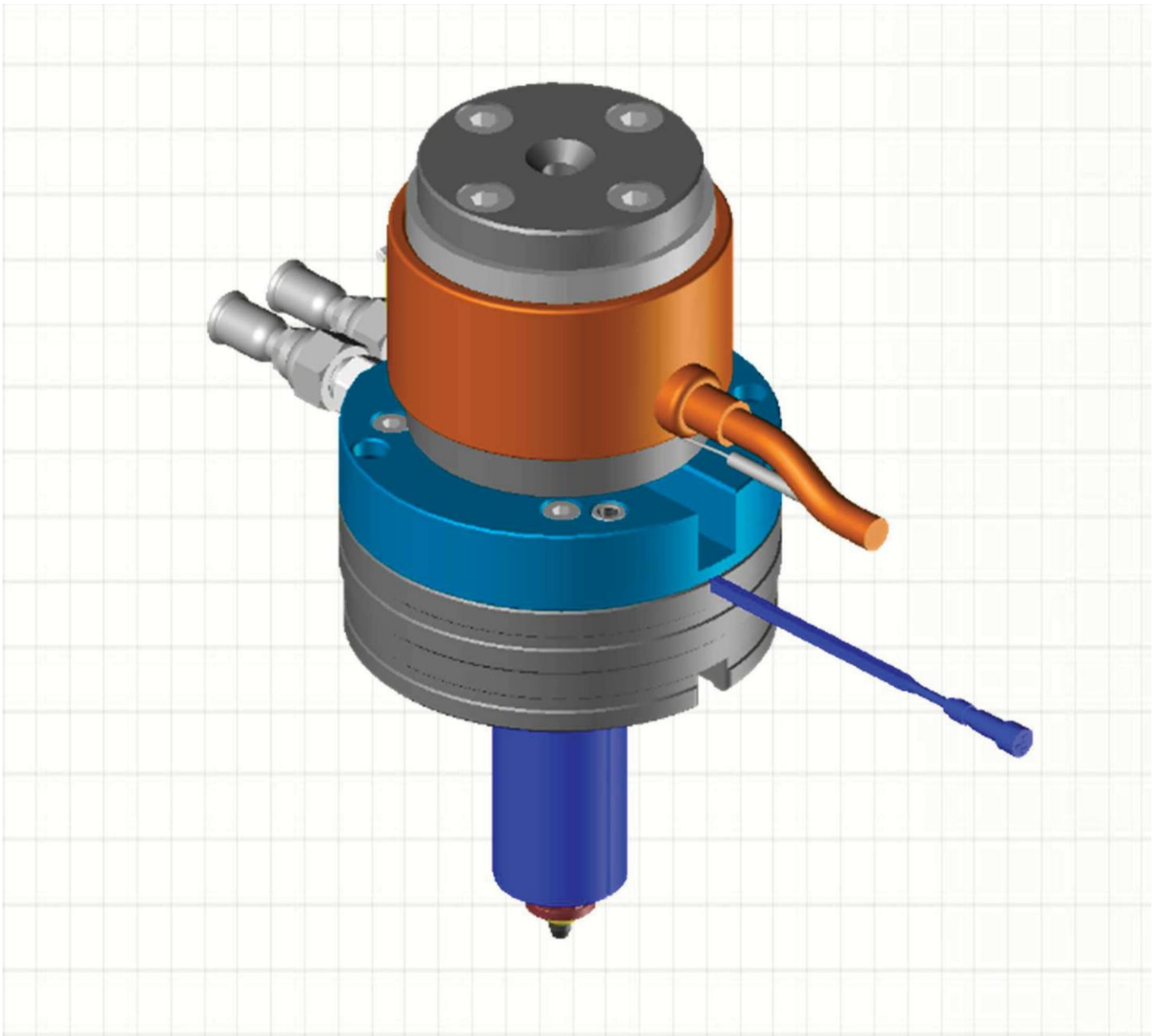


Turn To The Industry Experts

polimold

SINGLE VALVE NOZZLE

PNEUMATIC



TECHNICAL CATALOG

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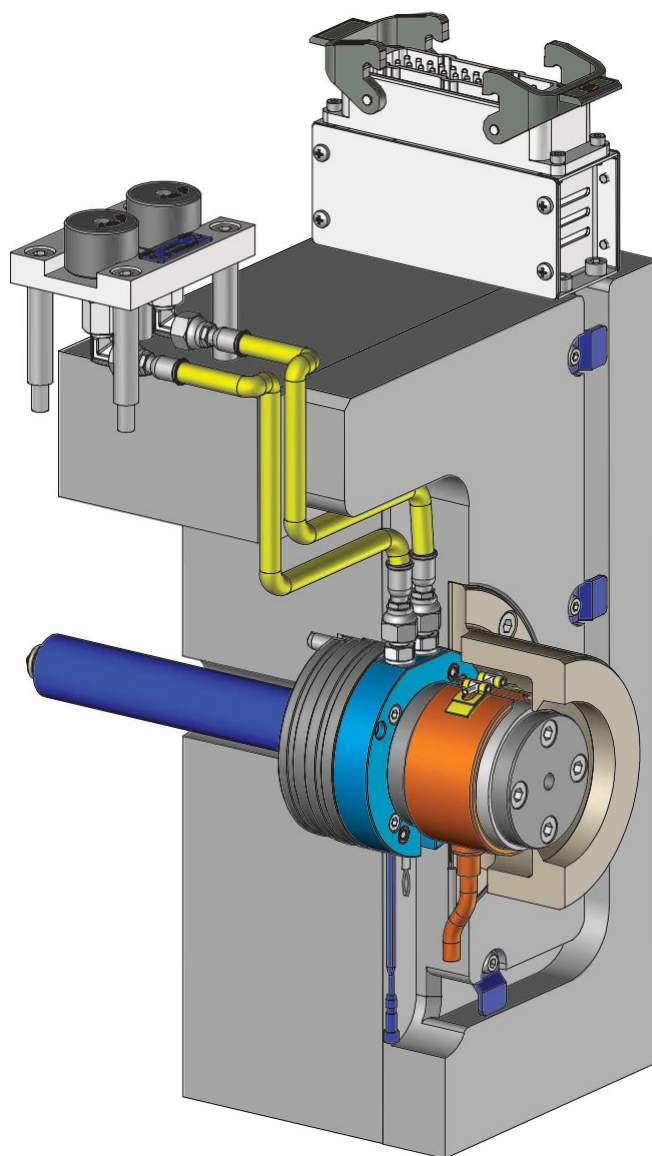
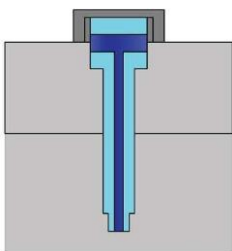
Introduction to Single Valve Nozzle Pneumatic

The Single Valve Nozzle is designed for molds with a single cavity, or molds which there are no main channel.

These Nozzles are responsible for transferring the plastic from the cylinder of the injection machine onto the cavity, through a single direct channel. The nozzle, its heating, and temperature control components, allows the material reaches the cavity in its plasticized form without changes in its characteristics. The tips are responsible for controlling the flow of the material without causing the unpleasant stains, promoting a minimum trace at the injection point and, consequently, a better finishing of the product. The choice of tip depends on the polymer to be injected, the Single Valve Polimold Nozzles are available in several sizes and capacities of injection, being differentiated by the 500 / 800 series.

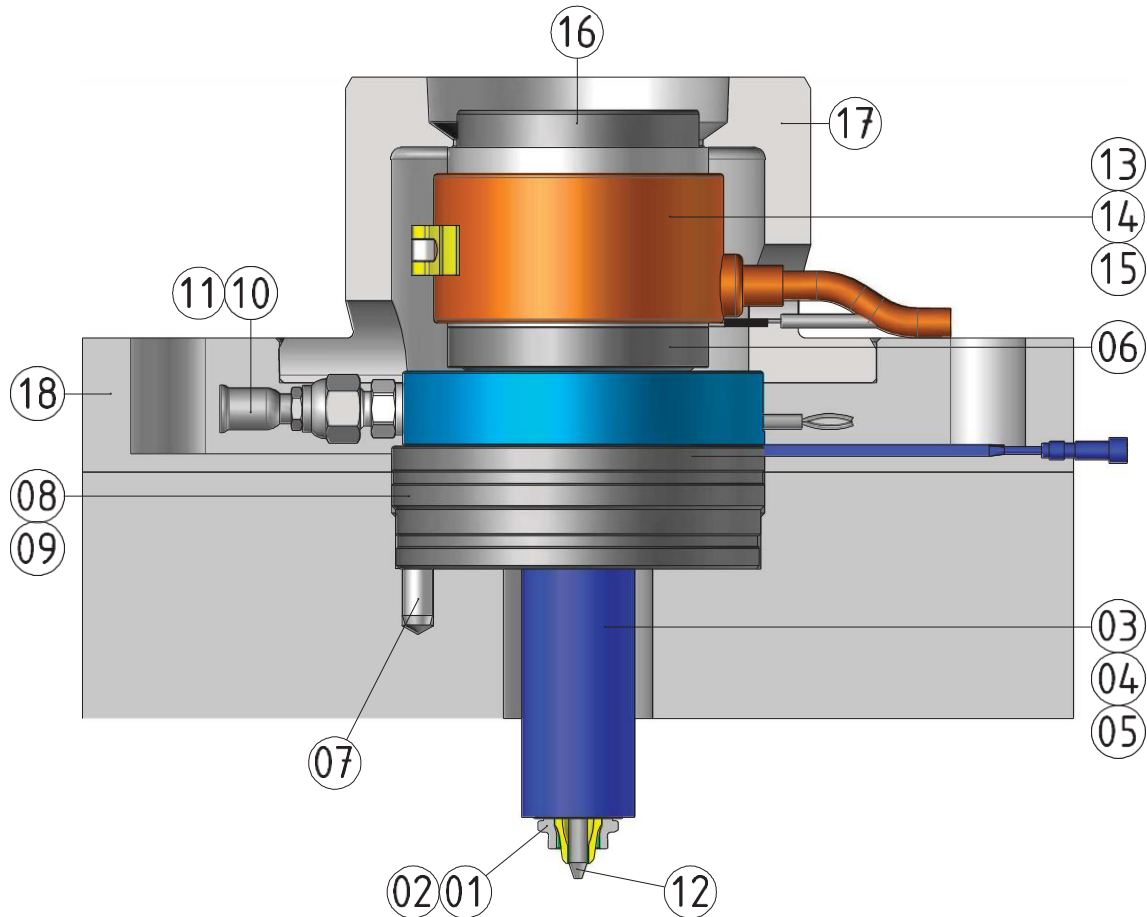
Items supplied by Polimold:

- > Single Valve Nozzle;**
- > Tip;**
- > Valve Pin;**
- > Distribution Unit;**
- > Electrical Connector;**
- > Location Ring;**
Sold separately



Terminology of Product – Single Valve Nozzle

Version A – Rev 00
11/2021

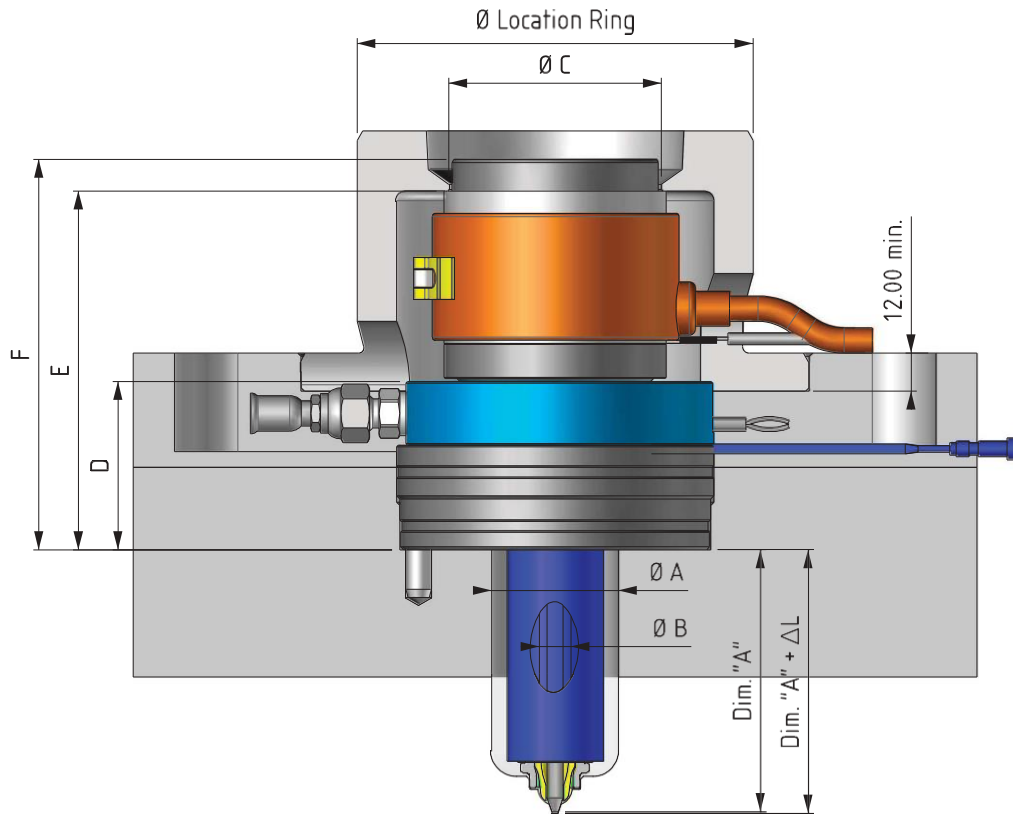


01	Flange	07	Guide Pin	13	Nozzle Head
02	Capsule	08	Pneumatic Cylinder	14	Head Heater
03	Nozzle Thermocouple	09	Sealing Kit	15	Head Thermocouple
04	Nozzle Heater	10	Adapter	16	Coupling plate
05	Nozzle Jacket	11	Terminal	17	Location Ring
06	Nozzle Body	12	Valve Pin	18	Top Clamp Plate

2.01.01

Terminology of Product – Single Valve Nozzle

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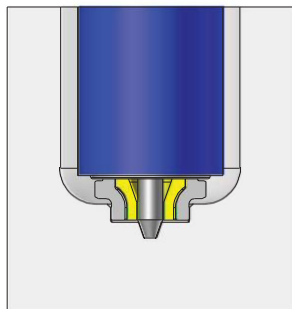
Thermal Expansion Formula

COE = 0,00001098
TCQ = Temperature of Hot Runner
$\Delta L = \text{Dim. "A"} \times \text{TCQ} \times \text{COE}$

Item	500 Series	800 Series	800 RF Series
Ø A	40.00	50.00	50.00
Ø B	10.00	16.00	16.00
Ø C	67.00	68.00	83.00
D	53.00	58.00	62.00
E	113.00	127.00	137.00
F	123.00	151.00	167.00

Injection Point Features - Valve Point GateVersion A – Rev 00
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The Valve Point gate tips will leave an imperceptible cosmetic vestige on the molded part. It is recommended when the aesthetic appearance of the product is determinant to the final product. The quality of the vestige performed by this tip style is much better than all other available ones.

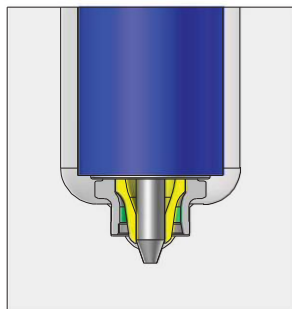


PVM-VA-C

Point Gate Tip - Valve Gate - Short

This Valve Point gate is indicated to perform the injection directly into the part on flat surfaces, leaving an imperceptible vestige. This tip configuration allows an accurate closing of the valve pin allied to an optimum flow condition.

This tip style has good performance for materials with good performance for engineering degree materials with strict process range.



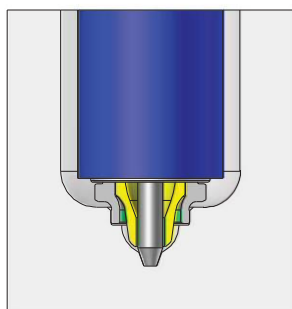
PVM-VA-M

Point Gate Tip - Valve Gate - Medium

This Valve Point gate is indicated to perform the injection directly into the part on flat surfaces, leaving an imperceptible vestige. This tip configuration allows an accurate closing of the valve pin allied to an optimum flow condition.

It was designed to ensure the minimal heat transfer to the part surface.

This tip style has good performance for materials with good performance for materials with medium process range.



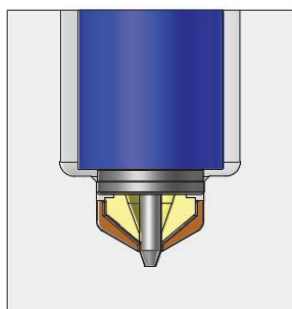
PVM-VA-L

Point Gate Tip - Valve Gate - Long

This Valve Point gate is indicated to perform the injection directly into the part on flat surfaces, leaving an imperceptible vestige. This tip configuration allows an accurate closing of the valve pin allied to an optimum flow condition.

It was designed to ensure the minimal heat transfer to the part surface.

This tip style has good performance for materials with good performance for materials with medium process range.



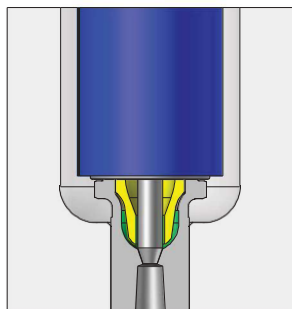
PVM-TH

Point Gate Tip - Thru Hole

This Valve Point gate is indicated to perform the injection directly into the part on flat surfaces, designed to ensure the minimal heat transfer to the part surface. Excellent flow rate, allows a precise closing of the injection point, highly safe against eventual leaking, allowing only the passage of the valve pin.

Injection Point Features - Valve Ring GateVersion A – Rev 00
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The Valve Ring gate tips has as feature to leave a cold sprue that can be located in a cold runner or directly on the part surface when it is allowed by the mold configuration.

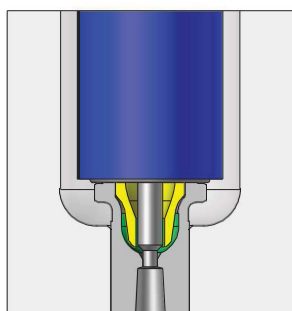


PMA-VA-L

Ring Gate Tip - Valve Gate - Long Needle - Conical Gate

This tip is applied when the injection is performed into a cold runner. In case the injection is performed directly into the part, a small cold sprue must be admitted. This tip allows easy machining and smooth assembly.

This tip style has good performance for engineering degree materials with strict and medium process range.

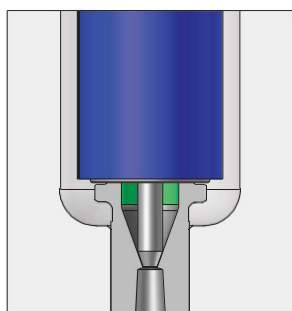


PMA-VP-L

Ring Gate Tip - Valve Gate - Long Needle - Cylindrical Gate

This tip is applied when the injection is performed into a cold runner. In case the injection is performed directly into the part, a small cold sprue must be admitted. This tip allows easy machining and smooth assembly.

This tip style has good performance for engineering degree materials with strict and medium process ranges. This tip style is not recommended to work with abrasive materials or large parts.

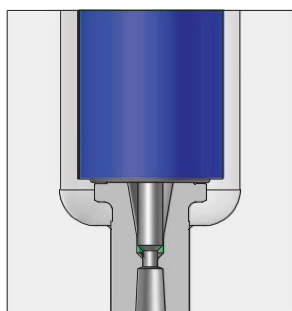


PMA-VA-0

Ring Gate Tip - Valve Gate - Conical Gate

This tip is applied when the injection is performed into a cold runner. In case the injection is performed directly into the part, a small cold sprue must be admitted. This tip allows easy machining and smooth assembly.

This tip style has good performance for commodities materials with good process ranges.



PMA-VP-0

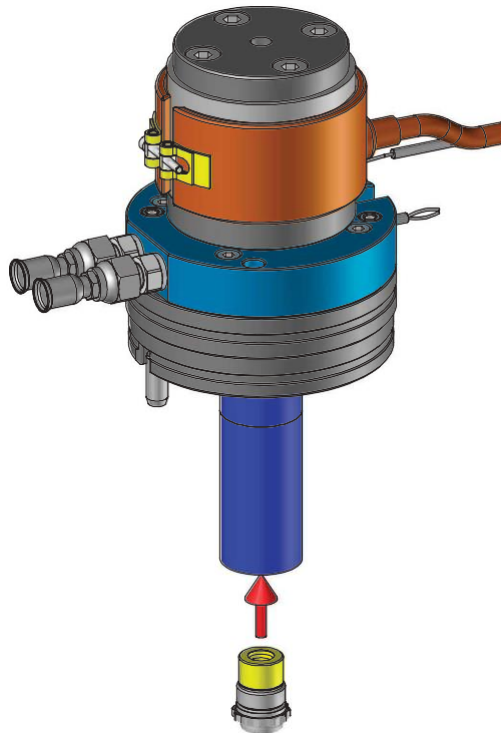
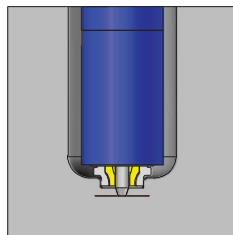
Ring Gate Tip - Valve Gate - Conical Gate

This tip is applied when the injection is performed into a cold runner. In case the injection is performed directly into the part, a small cold sprue must be admitted. This tip allows easy machining and smooth assembly.

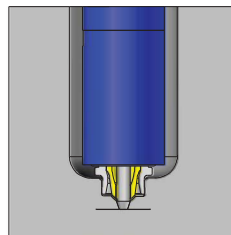
This tip style has good performance for commodities materials with good process ranges. this tip style is not recommended to work with abrasive materials or large parts.

Nozzle and Tip CompatibilityVersion A – Rev 00
08/2017

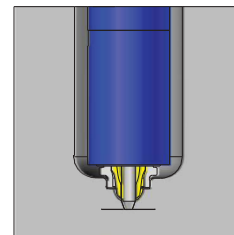
BSF - HSF

*Options of Point Gate Tip*

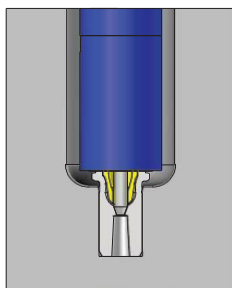
PVM-VA-C



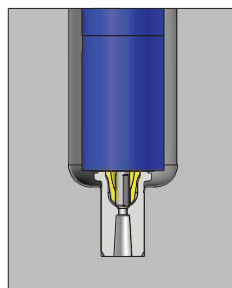
PVM-VA-M



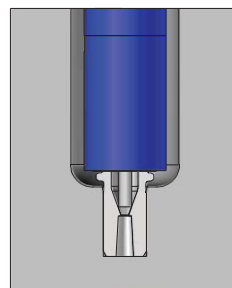
PVM-VA-L

Options of Ring Gate Tip

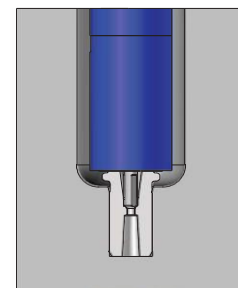
PMA-VA-L



PMA-VP-L



PMA-VA-0

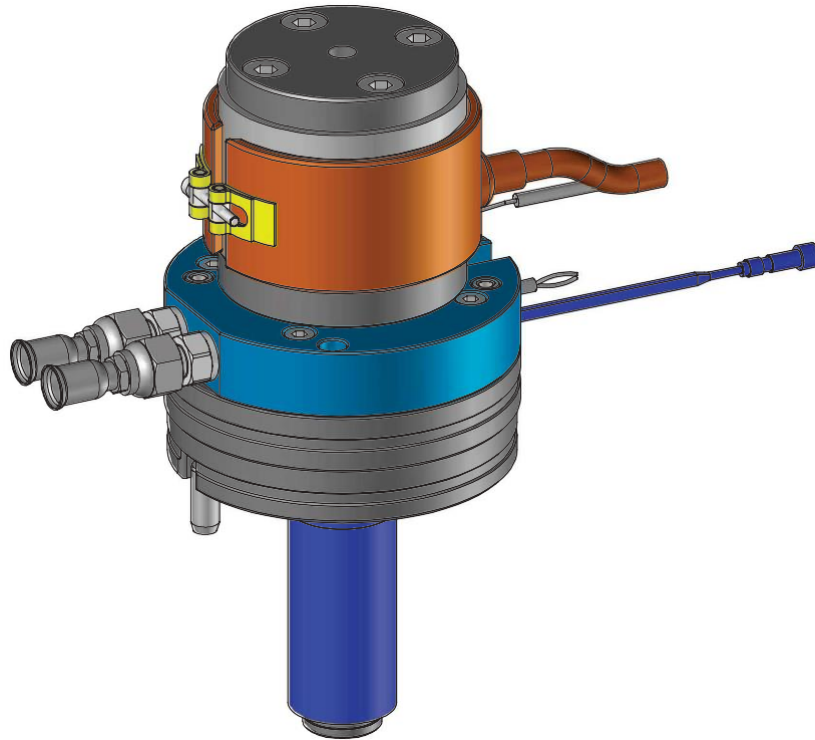
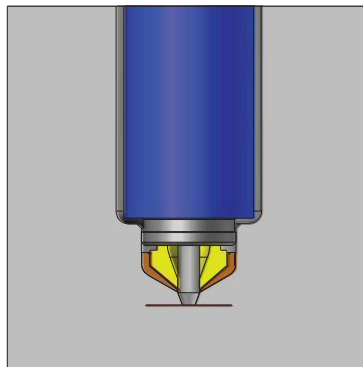


PMA-VP-0

2.04.01

Nozzle and Tip CompatibilityVersion A – Rev 00
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BST - HSFT

*Options of Point Gate Tip*

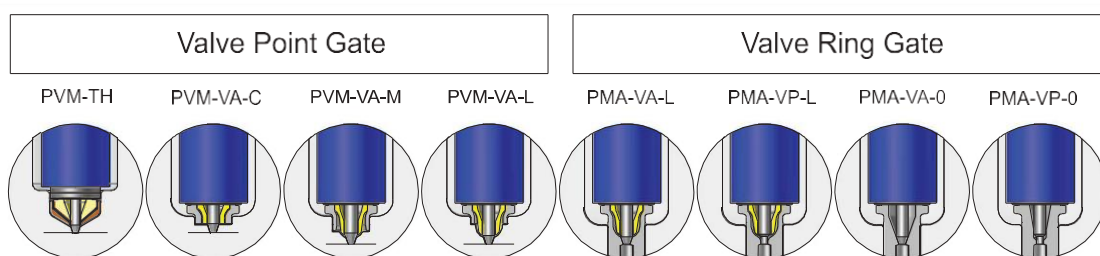
PVM-TH

2.04.02

Max Flow Capacity - Valve GateVersion A – Rev 00
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Choose the nozzle series according to the weight of your part. If you are using more than one nozzle to fill your part, use the weight per nozzle to select the right nozzle size.

The max flow capacity of each nozzle is shown in the following tables. values in grams (g)

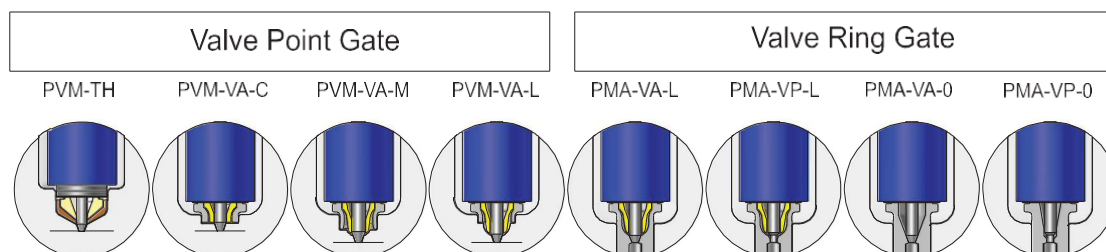


Melt Flow Rate - High	-	-	-	-	-	-	-	-
500 Series	750	750	750	750	750	750	750	750
800 Series	1200	1200	1200	1200	1200	1200	1200	1200
800RF Series	1200	1200	1200	1200	1200	1200	1200	1200
Melt Flow Rate - Medium	-	-	-	-	-	-	-	-
500 Series	500	500	500	500	500	500	500	500
800 Series	800	800	800	800	800	800	800	800
800RF Series	800	800	800	800	800	800	800	800
Melt Flow Rate - Low	-	-	-	-	-	-	-	-
500 Series	400	400	400	400	400	400	400	400
800 Series	640	640	640	640	640	640	640	640
800RF Series	640	640	640	640	640	640	640	640

The above data are for reference only. In addition to the shot weight, material properties, part size, shape, wall thickness and gate type need to be considered, to choose the most suitable product series.

Material Compatibility - Valve Gate

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	PVM-TH	PVM-VA-C	PVM-VA-M	PVM-VA-L	PMA-VA-L	PMA-VP-L	PMA-VA-0	PMA-VP-0
Amorphous Materials	-	-	-	-	-	-	-	-
PPO	√√	X	√√	X	√√	√√	√√	√√
PEI	√√	X	√√	X	√	√	X	X
PMMA	√√	X	√√	X	√√	√√	√√	√√
ABS	√√	X	√√	X	√√	√√	√√	√√
SAN	√√	X	√√	X	√√	√√	√√	√√
PS	√√	X	√√	X	√√	√√	√√	√√
SB	√√	X	√√	X	√√	√√	√√	√√
PES	√√	X	√√	X	√	√	X	X
PSU	√√	X	√√	X	√√	√√	√√	√√
PVC	√√	X	√√	X	√√	√√	√√	√√
PC	√√	X	√√	X	√√	√√	X	√√
ABS-PC	√√	X	√√	X	√√	√√	X	√√
CAB	√√	X	√√	X	√√	√√	√√	√√
TPU	√	√	√	√	√√	√√	√√	√√
Crystalline Materials	-	-	-	-	-	-	-	-
PE	√√	X	√√	X	√√	√√	√√	√√
PP	√√	X	√√	X	√√	√√	√√	√√
LCP	X	√	X	X	X	√	X	X
PET	√	√	√	√	√	√√	√	√
PBT	X	X	X	X	X	√√	X	√
PPS	X	√	X	X	X	√	X	X
PEEK	X	√	X	X	X	√	X	X
PA(6,6,610,11,12)	X	X	√√	X	√	√√	√	√
POM	X	√√	X	X	√	√√	√	√
Additives	-	-	-	-	-	-	-	-
Flame retardants	√√	√	√√	√	√	√	X	X
Fillers	√	√	√	√	√	√	√	√
Reinforcements	√	√	√	√	√	√	√	√
Stabilizers	√√	√√	√√	√	√	√	√	√
Shear sensitive additives	√√	√√	√√	√	X	X	X	X

NOTE: X: Not Acceptable √: Acceptable √√: Suitable

Resin PropertiesVersion A – Rev 00
08/2017

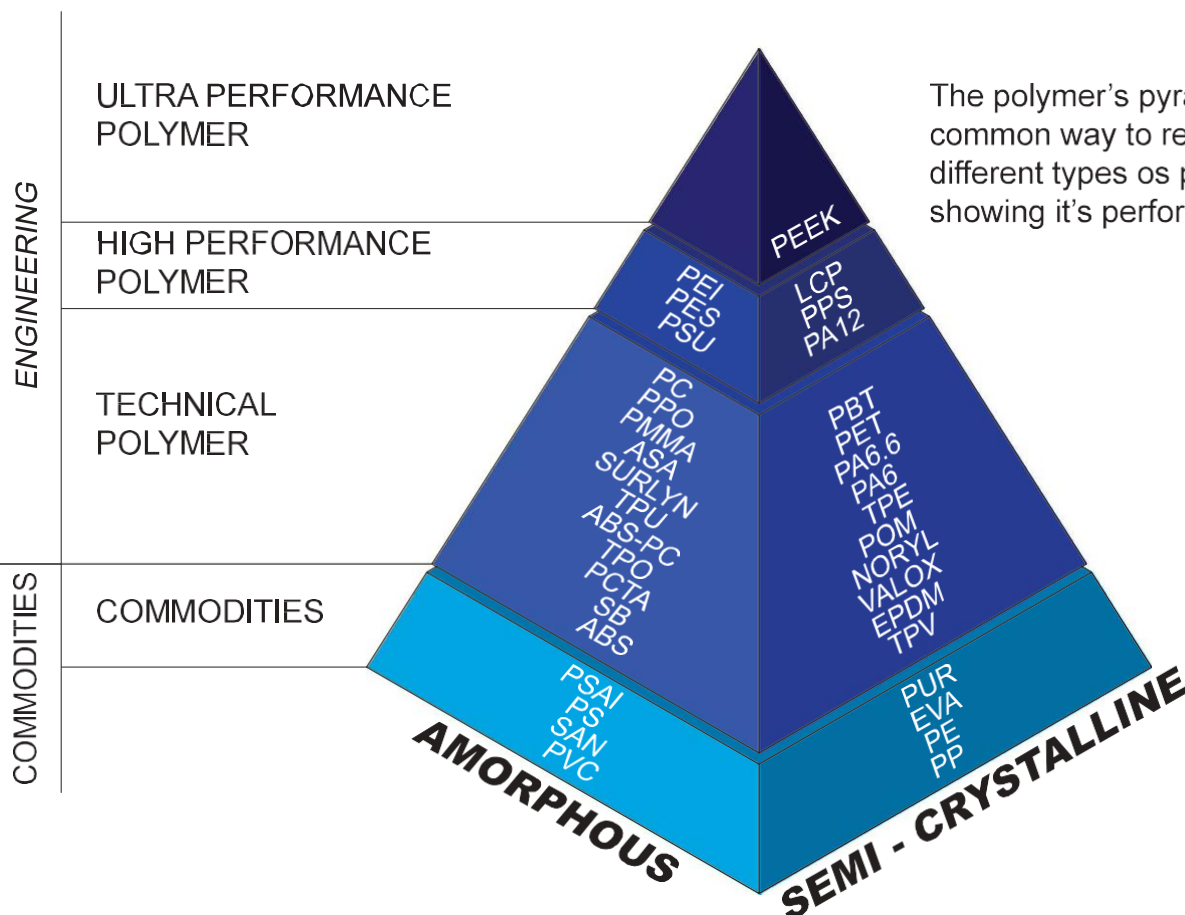
Properties Chart for Injection Molding Grade Plastics

Material Type	Processing Temp. (°C)	Mold Temp. (°C)	Hot Runner Temp. (°C)	Solid Density (g/cm ³)	Melt Flow Rate
PVC	175	35	200	1.38	Low
SAN	230	80	255	1.08	Medium
PS	210	45	230	1.05	High
PSAI	210	45	230	1.05	Medium
PP	225	40	245	0.91	High
PE	200	25	225	0.96	High
EVA	170	25	190	0.94	Medium
PUR	220	45	240	1.11	Low
ABS	225	70	250	1.08	Medium
SB	210	70	230	1.02	High
PCTA	245	20	260	1.23	Medium
TPO	180	40	200	0.87	Medium
ABS-PC	260	75	285	1.1	Medium
TPU	210	30	230	1.26	Medium
SURLYN	210	45	230	0.94	High
ASA	225	75	250	1.19	Medium
PMMA	235	70	250	1.18	Medium
PPO	275	76	300	1.08	Medium
PC	290	90	300	1.2	Low
TPV	180	30	210	0.96	Medium
EPDM	260	75	285	0.9	Medium
VALOX	265	60	290	1.31	Medium
NORYL	260	80	300	1.09	Medium
POM	180	90	220	1.42	Medium
TPE	195	40	230	0.9	Low
PA6	270	80	300	1.14	Medium
PA6.6	280	80	300	1.26	Medium
PET	250	140	280	1.4	Medium
PBT	265	60	290	1.57	Low
PSU	290	150	315	1.24	High
PES	310	150	350	1.37	Low
PEI	380	120	415	1.29	Low
PA12	210	60	230	1.01	Medium
PPS	300	110	330	1.7	Medium
LCP	400	175	430	1.14	Low
PEEK	330	165	370	1.37	Low

2.07.01

Resin Properties

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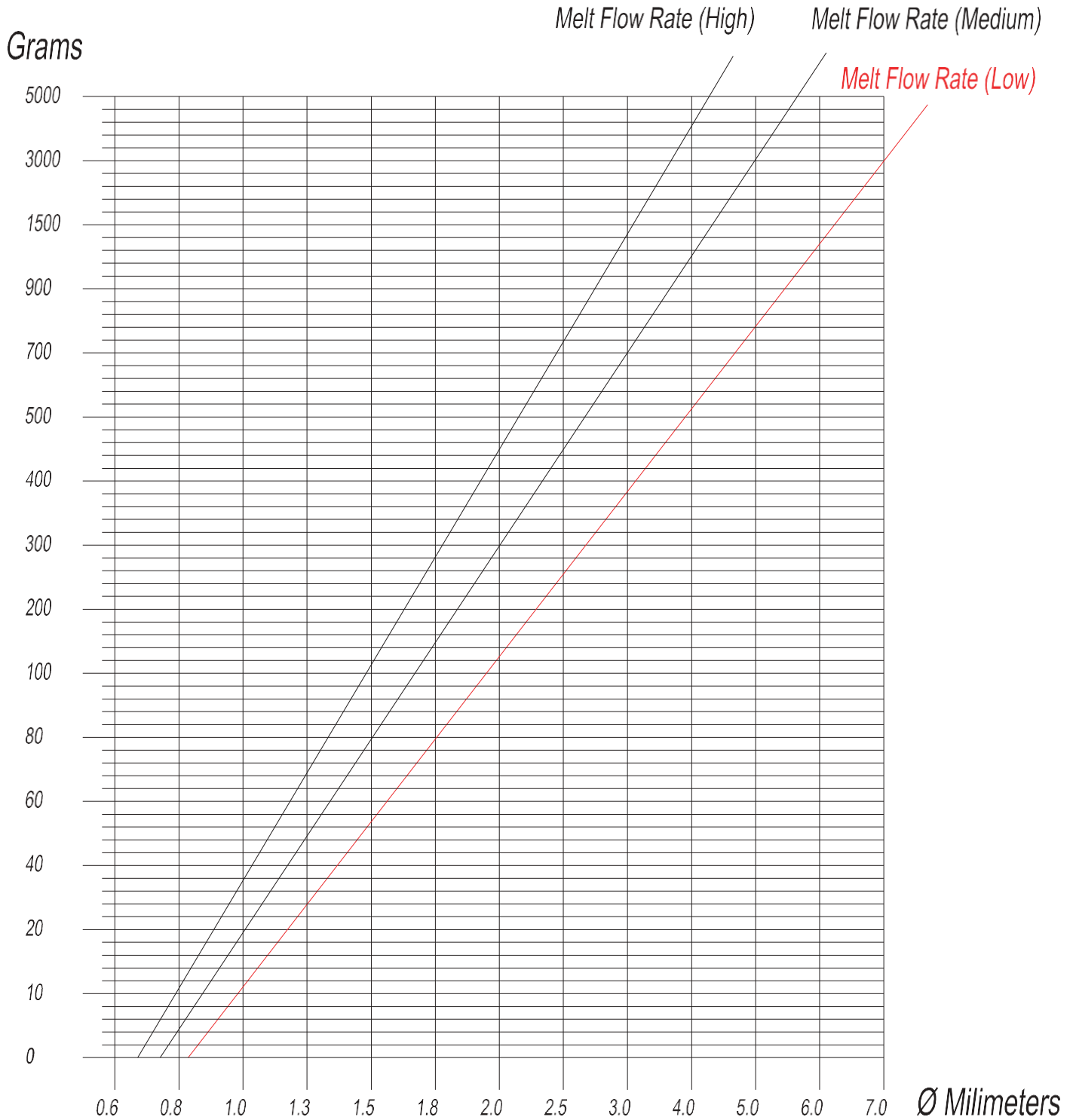


Material Trade Name	
Material Type	Trade Mark
PPO	Noryl
PEI	Ulfem
PMMA	Plexiglas - Degalan - Lucryl - Altuglas - Atoglas - Melinar - Oroglas - Lucite - Perspex
ABS	Cycolac - Novodur - Lustran - Isolac - Terluran - Ugikral
SAN	Luran - Lustran S - Kostil - Tyril
PS	Styrol - Styron - Edistir - Empera - Polystyrene - Vestyron
SB	Styrolux - K Resin
PES	Ultrason E - Victrex - Radel A
PSU	Ultrason S - Mindel B - Udel
PVC	Lacovyl - Saran - Solvic - Vestolit - Benvic
PC	Makrolon - Lexan - Calibre - Lupilon - Toughlon - Novarex - Luvocom - Apec - Pulse - Xantar - Xenoy
ABS-PC	Bayblend - Cycoloy - Triax - Koblend - Modex - Pulse - Stapron C - Taroblend
CAB	Celidor - Tenite - Eastman - Rotuba
TPU	Desmopan - Estaloc - Texin - Pellethane
PE	Alathon - Eraclene - Escorene - GC7260 - HC7260 - Hostalen - Lupolen - Marlex - Petrothene - Rigidex
PP	Hostalen - Novolen - Vestolen - Daplen - Inspire - Moplen - Profax - Valtex
LCP	Xydar - Vectra
PA11	Rilsan B
PA12	Rilsan A - Vestamid - Grilamid
PET	Petra - Rynite - Arnite A
PBT	Pocan B - Ultradur - Valox - Vestodur - Amite T - Celanex - Pibiter
PPS	Ryton - Fortron - Primef - Supac
PEEK	Victrex
PA610	Ultramid S
PA6	Akormid - Radilon - Domanid - Altech - Technyl - Durethan - Ultramid - Wellamid - Tarnamid - Bergamid
PA6.6	Ultramid A - Durethan A - Minlon - Akulon 6.6 - Capron - Grilon T - Technyl A e B - Novamid - Vidyne - Zytel
POM	Delrin - Hostaform - Ultraform

2.07.01

Gate Dimensions

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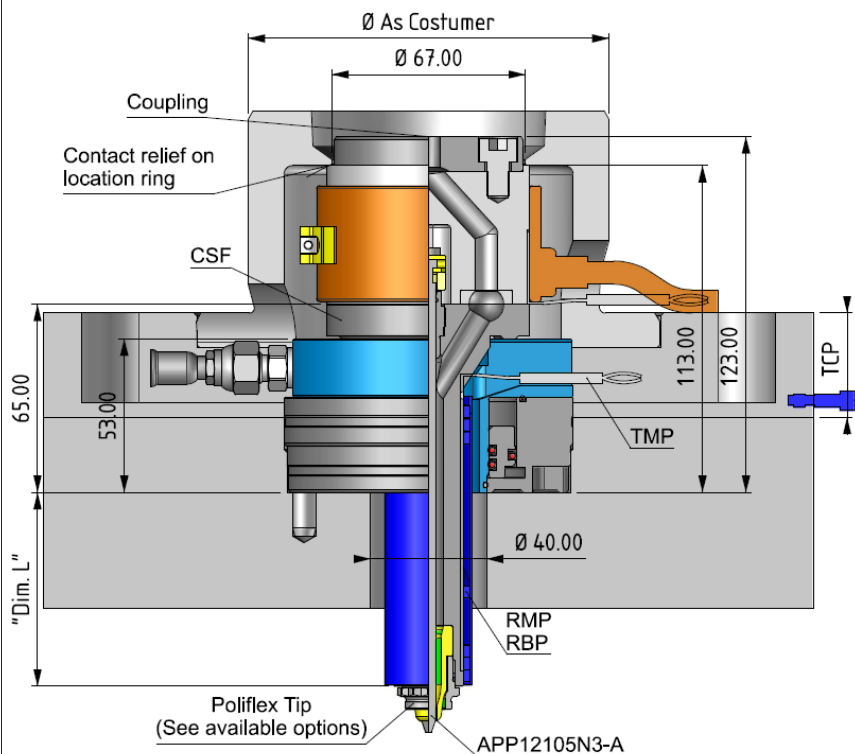


The above data are for reference only. In addition to the shot weight, material properties, part size, shape, wall thickness and gate type need to be considered, to choose the correctly gate size.

2.08.01

500 Series - Single Valve Nozzle Code and Pocket

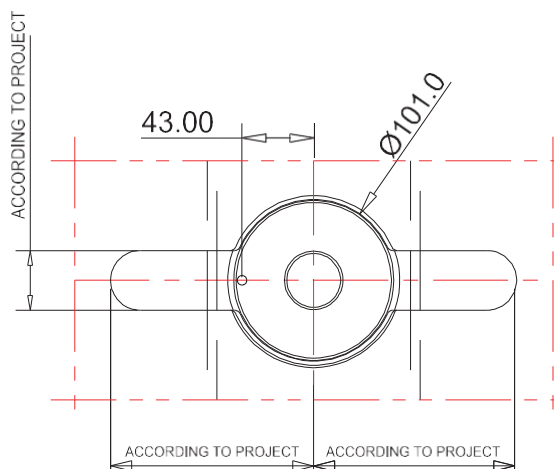
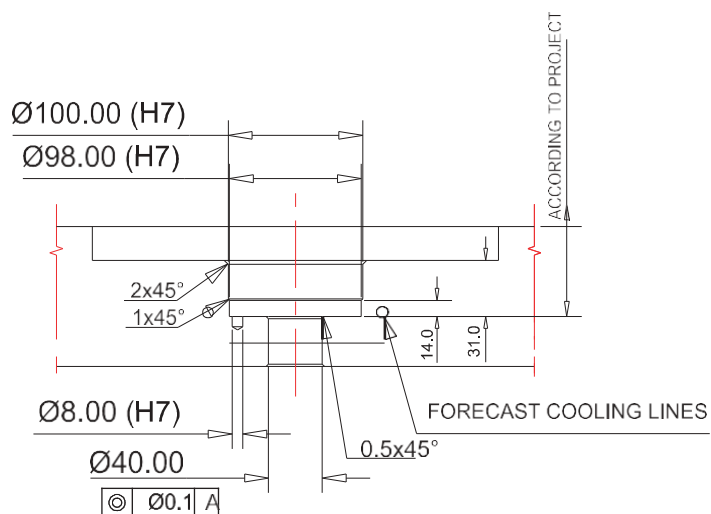
Version A – Revision 00
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Nozzle and Components Specification

Nozzle Code	Dim "L"	Nozzle Body	Heater	Wattage	Thermocouple
HSF12027N-B	27	CSF12092N-B	RMP12060C-A	460W	TMP01120
HSF12037N-B	37	CSF12102N-B	RMP12070C-A	460W	TMP01120
HSF12047N-B	47	CSF12112N-B	RMP12080C-A	460W	TMP01140
HSF12057N-B	57	CSF12122N-B	RMP12090C-A	460W	TMP01140
HSF12067N-B	67	CSF12132N-B	RMP12100C-A	460W	TMP01160
HSF12077N-B	77	CSF12142N-B	RMP12110C-A	460W	TMP01160
HSF12087N-B	87	CSF12152N-B	RMP12120C-A	460W	TMP01180
HSF12097N-B	97	CSF12162N-B	RMP12130C-A	460W	TMP01180
HSF12107N-B	107	CSF12172N-B	RMP12140C-A	500W	TMP01200
HSF12127N-B	127	CSF12192N-B	RMP12160C-A	760W	TMP01220
HSF12147N-B	147	CSF12212N-B	RMP12180C-A	760W	TMP01240
HSF12167N-B	167	CSF12232N-B	RMP12200C-A	760W	TMP01260
HSF12187N-B	187	CSF12252N-B	RMP12220C-A	760W	TMP01280
HSF12207N-B	207	CSF12272N-B	RMP12240C-A	760W	TMP01300
BSF12027N-B	27	CSF12092N-B	RBP12060C-A	460W	TMP01120
BSF12037N-B	37	CSF12102N-B	RBP12070C-A	500W	TMP01120
BSF12047N-B	47	CSF12112N-B	RBP12080C-A	500W	TMP01140
BSF12057N-B	57	CSF12122N-B	RBP12090C-A	500W	TMP01140
BSF12067N-B	67	CSF12132N-B	RBP12100C-A	690W	TMP01160
BSF12077N-B	77	CSF12142N-B	RBP12110C-A	690W	TMP01160
BSF12087N-B	87	CSF12152N-B	RBP12120C-A	690W	TMP01180
BSF12097N-B	97	CSF12162N-B	RBP12130C-A	690W	TMP01180
BSF12107N-B	107	CSF12172N-B	RBP12140C-A	690W	TMP01200
BSF12117N-B	117	CSF12182N-B	RBP12150C-A	690W	TMP01200
BSF12127N-B	127	CSF12192N-B	RBP12170C-A	690W	TMP01220
BSF12147N-B	147	CSF12212N-B	RBP12180C-A	690W	TMP01240
BSF12167N-B	167	CSF12232N-B	RBP12190C-A	690W	TMP01260
BSF12187N-B	187	CSF12252N-B	RBP12210C-A	690W	TMP01280
BSF12207N-B	207	CSF12272N-B	RBP12230C-A	760W	TMP01300

Pocket for Single Valve Nozzle



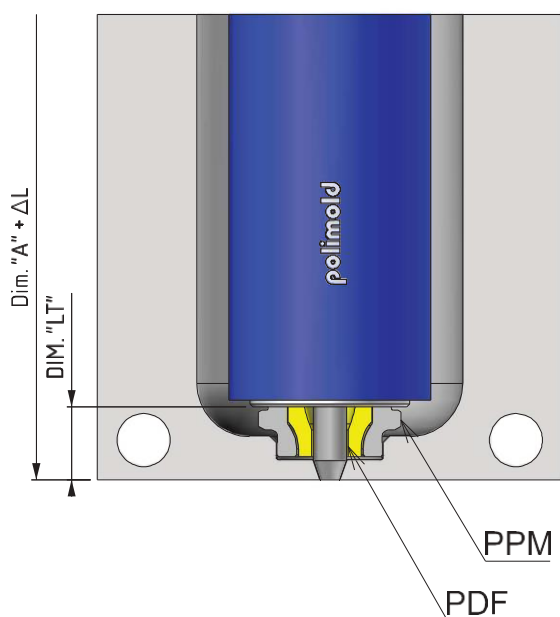
3.500.02TH.01.01

Code and Pocket for Tip – PVM.VA.C

Version A – Revision 00
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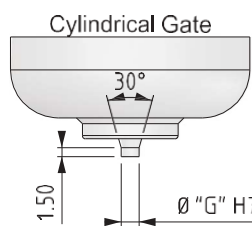
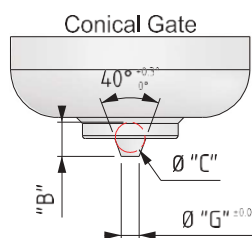
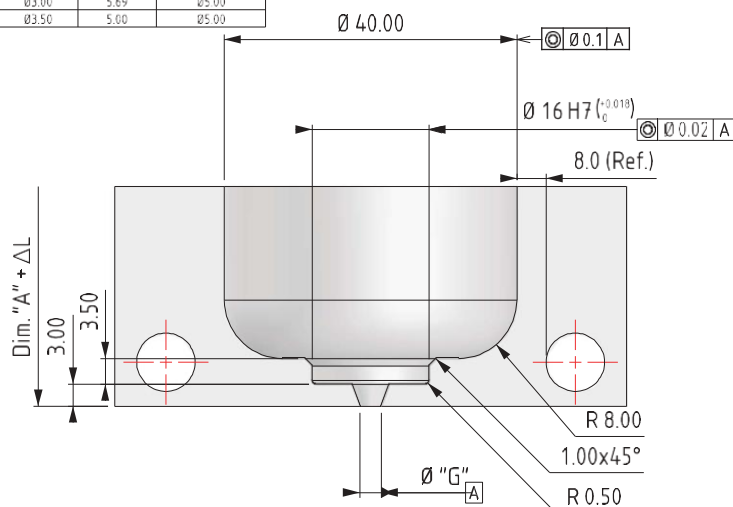
Tip Assembly Specification & Components

Tip Code	Flange	Tip	Dimension "LT"	Material	Torque (Nm)
PVM1221200P-A	PPM1228400P-A	PDF1221200P-A	11.00	Standard	Torque= 55 Nm
PVM1221300P-A	PPM1228400P-A	PDF1221300P-A	11.00	High Performance	Torque= 55 Nm



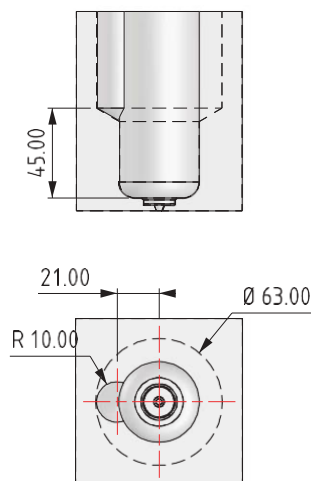
Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø2.50	4.41	Ø4.00
Ø3.00	5.69	Ø5.00
Ø3.50	5.60	Ø5.00



Pocket With
2 or 3 Heaters

POCKET
ACCORDING TO PROJECT



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

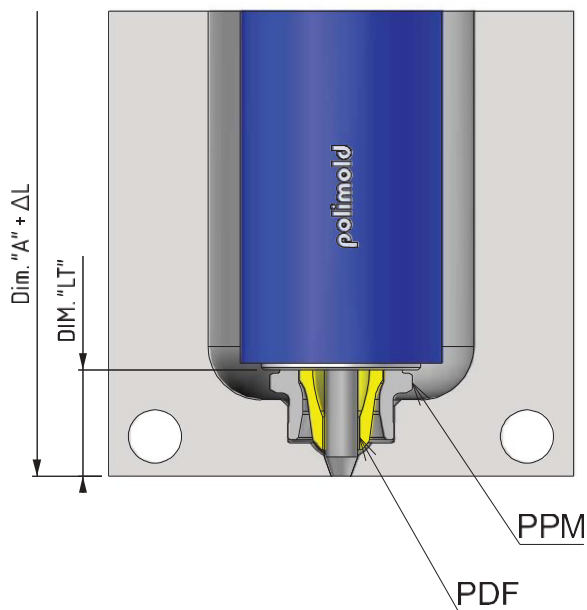
3.500.01PF.01.01

Code and Pocket for Tip - PVM.VA.M

Version A – Revision 00
08/2017

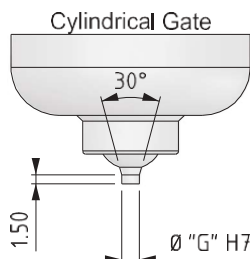
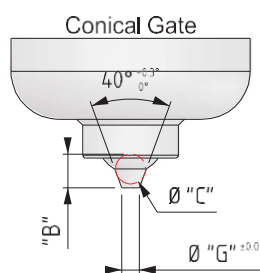
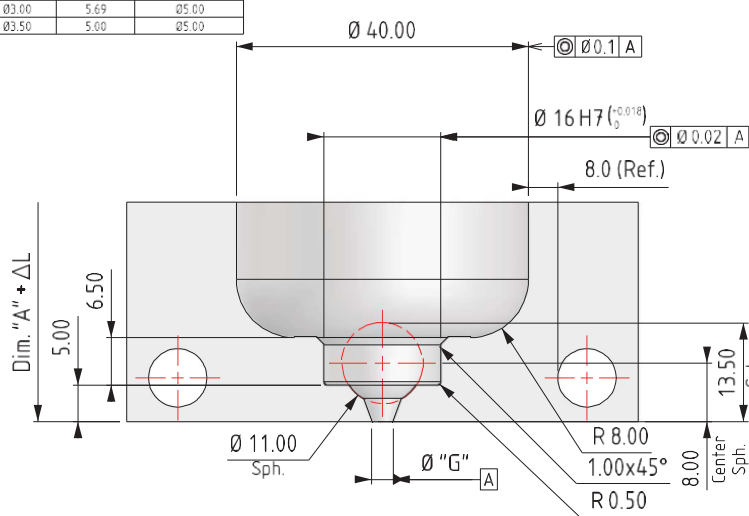
Tip Assembly Specification & Components

Tip Code	Flange	Tip	Dimension "LT"	Material	Torque (Nm)
PVM1222200S-A	PPM1228400S-A	PDF1221200E-A	16.00	Standard	Torque= 55 Nm
PVM1222300S-A	PPM1228400S-A	PDF1221300E-A	16.00	High Performance	Torque= 55 Nm



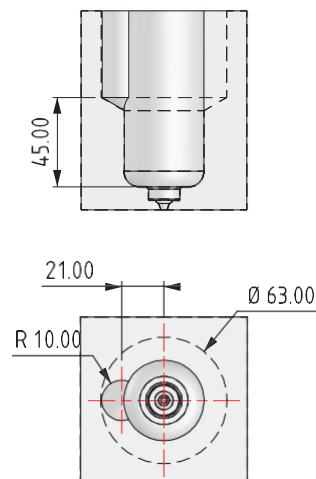
Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø2.50	4.41	Ø4.00
Ø3.00	5.69	Ø5.00
Ø3.50	5.00	Ø5.00



Pocket With
2 or 3 Heaters

POCKET
ACCORDING TO PROJECT

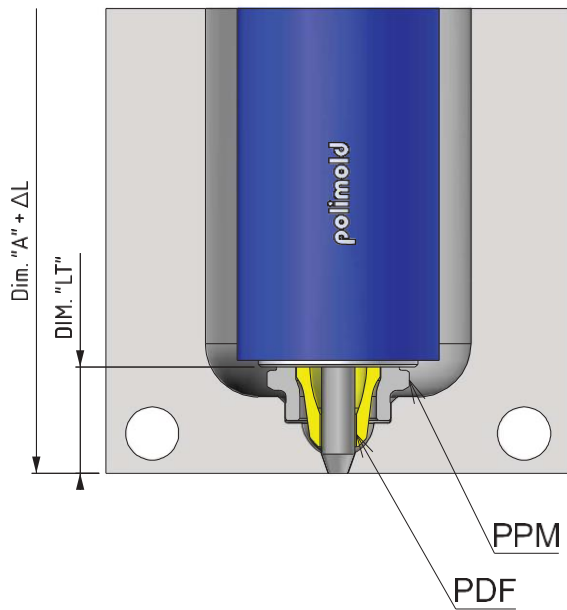


3.500.01PF.02.02

Code and Pocket for Tip - PVM.VA.L

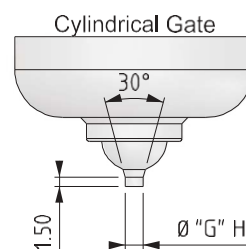
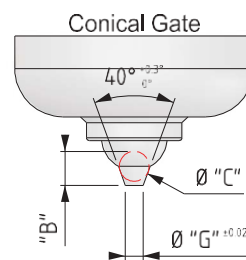
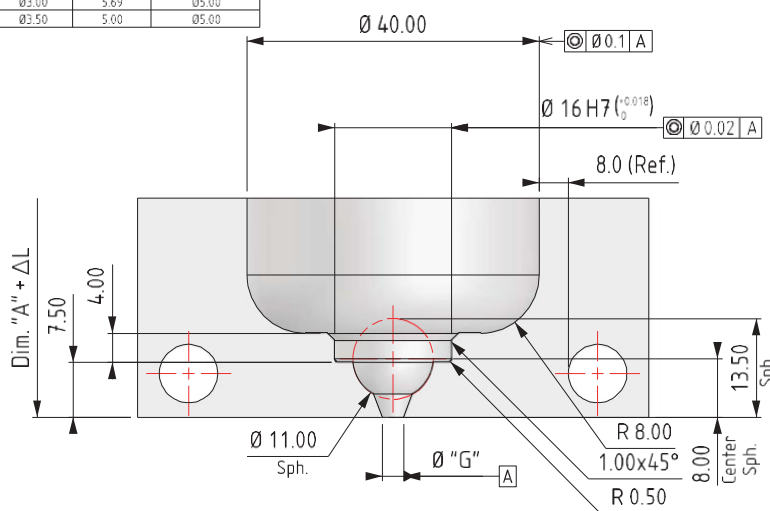
Version A – Revision 00
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Tip Assembly Specification & Components					
Tip Code	Flange	Tip	Dimension "LT"	Material	Torque (Nm)
PVM1222200E-A	PPM1228400E-A	PDF1221200E-A	16.00	Standard	Torque= 55 Nm
PVM1222300E-A	PPM1228400E-A	PDF1221300E-A	16.00	High Performance	Torque= 55 Nm



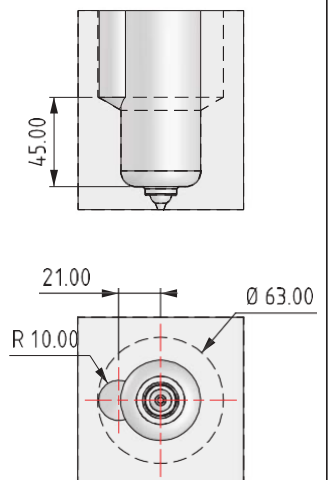
Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø2.50	4.41	Ø4.00
Ø3.00	5.69	Ø5.00
Ø3.50	5.00	Ø5.00



**Pocket With
2 or 3 Heaters**

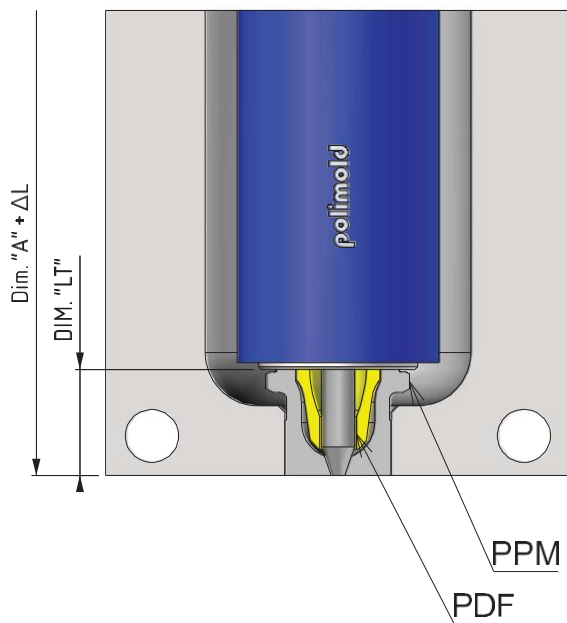
POCKET
ACCORDING TO PROJECT



3.500.01PF.02.03

Code and Pocket for Tip - PMA.VA.L

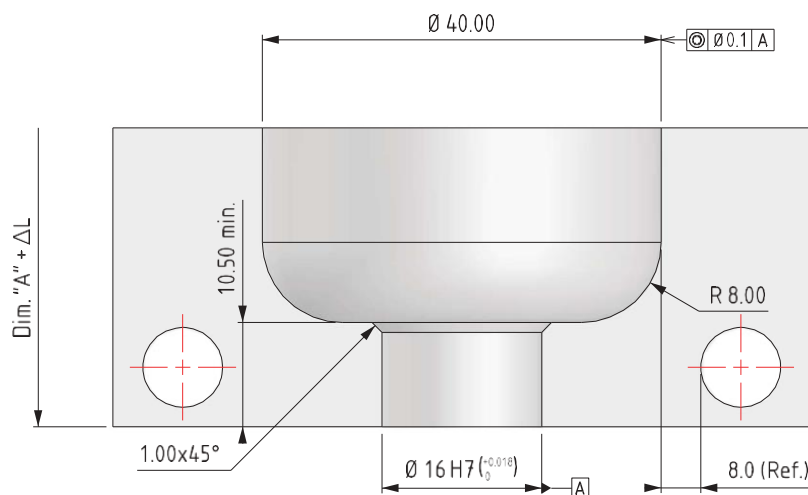
Version A – Revision 00
08/2017



Tip Assembly Specification & Components

Tip Code	Flange	Tip	Dimension "LT"	Gate	Material	Torque (Nm)
PMA1222220P-A	PPM1229120P-A	PDF1221200E-A	16.00	02.00	Standard	Torque= 55 Nm
PMA1222225P-A	PPM1229125P-A	PDF1221200E-A	16.00	02.50	Standard	Torque= 55 Nm
PMA1222230P-A	PPM1229130P-A	PDF1221200E-A	16.00	03.00	Standard	Torque= 55 Nm
PMA1222235P-A	PPM1229135P-A	PDF1221200E-A	16.00	03.50	Standard	Torque= 55 Nm
PMA1222220S-A	PPM1229120S-A	PDF1221200E-A	31.50	02.00	Standard	Torque= 55 Nm
PMA1222225S-A	PPM1229125S-A	PDF1221200E-A	31.50	02.50	Standard	Torque= 55 Nm
PMA1222230S-A	PPM1229130S-A	PDF1221200E-A	31.50	03.00	Standard	Torque= 55 Nm
PMA1222235S-A	PPM1229135S-A	PDF1221200E-A	31.50	03.50	Standard	Torque= 55 Nm
PMA1222220E-A	PPM1229120E-A	PDF1221200E-A	47.00	02.00	Standard	Torque= 55 Nm
PMA1222225E-A	PPM1229125E-A	PDF1221200E-A	47.00	02.50	Standard	Torque= 55 Nm
PMA1222230E-A	PPM1229130E-A	PDF1221200E-A	47.00	03.00	Standard	Torque= 55 Nm
PMA1222235E-A	PPM1229135E-A	PDF1221200E-A	47.00	03.50	Standard	Torque= 55 Nm
PMA1222320P-A	PPM1229120P-A	PDF1221300E-A	16.00	02.00	High Performance	Torque= 55 Nm
PMA1222325P-A	PPM1229125P-A	PDF1221300E-A	16.00	02.50	High Performance	Torque= 55 Nm
PMA1222330P-A	PPM1229130P-A	PDF1221300E-A	16.00	03.00	High Performance	Torque= 55 Nm
PMA1222335P-A	PPM1229135P-A	PDF1221300E-A	16.00	03.50	High Performance	Torque= 55 Nm
PMA1222320S-A	PPM1229120S-A	PDF1221300E-A	31.50	02.00	High Performance	Torque= 55 Nm
PMA1222325S-A	PPM1229125S-A	PDF1221300E-A	31.50	02.50	High Performance	Torque= 55 Nm
PMA1222330S-A	PPM1229130S-A	PDF1221300E-A	31.50	03.00	High Performance	Torque= 55 Nm
PMA1222335S-A	PPM1229135S-A	PDF1221300E-A	31.50	03.50	High Performance	Torque= 55 Nm
PMA1222320E-A	PPM1229120E-A	PDF1221300E-A	47.00	02.00	High Performance	Torque= 55 Nm
PMA1222325E-A	PPM1229125E-A	PDF1221300E-A	47.00	02.50	High Performance	Torque= 55 Nm
PMA1222330E-A	PPM1229130E-A	PDF1221300E-A	47.00	03.00	High Performance	Torque= 55 Nm
PMA1222335E-A	PPM1229135E-A	PDF1221300E-A	47.00	03.50	High Performance	Torque= 55 Nm

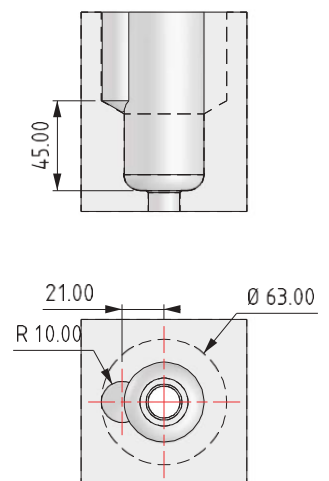
Pocket for Valve Ring Gate Tip



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

Pocket With
2 or 3 Heaters

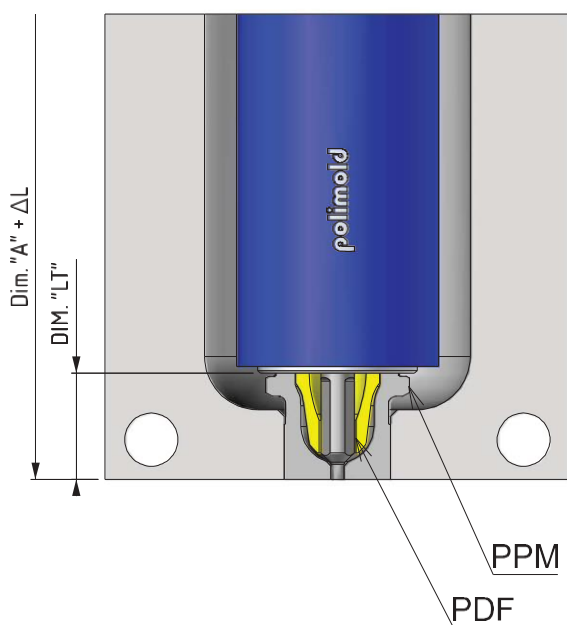
POCKET
ACCORDING TO PROJECT



3.500.01PF.02.04

Code and Pocket for Tip - PMA.VP.L

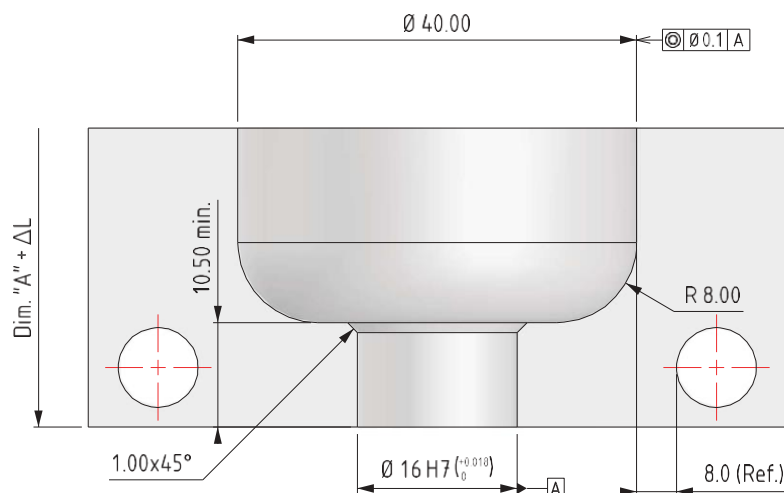
Version A – Revision 00
08/2017



Tip Assembly Specification & Components

Tip Code	Flange	Tip	Dimension "LT"	Gate	Material	Torque (N.m)
PMA1232220P-A	PPM1239120P-A	PDF1221200E-A	16.00	Ø2.00	Standard	Torque= 55 N.m
PMA1232225P-A	PPM1239125P-A	PDF1221200E-A	16.00	Ø2.50	Standard	Torque= 55 N.m
PMA1232230P-A	PPM1239130P-A	PDF1221200E-A	16.00	Ø3.00	Standard	Torque= 55 N.m
PMA1232235P-A	PPM1239135P-A	PDF1221200E-A	16.00	Ø3.50	Standard	Torque= 55 N.m
PMA1232220S-A	PPM1239120S-A	PDF1221200E-A	31.50	Ø2.00	Standard	Torque= 55 N.m
PMA1232225S-A	PPM1239125S-A	PDF1221200E-A	31.50	Ø2.50	Standard	Torque= 55 N.m
PMA1232230S-A	PPM1239130S-A	PDF1221200E-A	31.50	Ø3.00	Standard	Torque= 55 N.m
PMA1232235S-A	PPM1239135S-A	PDF1221200E-A	31.50	Ø3.50	Standard	Torque= 55 N.m
PMA1232220E-A	PPM1239120E-A	PDF1221200E-A	47.00	Ø2.00	Standard	Torque= 55 N.m
PMA1232225E-A	PPM1239125E-A	PDF1221200E-A	47.00	Ø2.50	Standard	Torque= 55 N.m
PMA1232230E-A	PPM1239130E-A	PDF1221200E-A	47.00	Ø3.00	Standard	Torque= 55 N.m
PMA1232235E-A	PPM1239135E-A	PDF1221200E-A	47.00	Ø3.50	Standard	Torque= 55 N.m
PMA1232320P-A	PPM1239120P-A	PDF1221300E-A	16.00	Ø2.00	High Performance	Torque= 55 N.m
PMA1232325P-A	PPM1239125P-A	PDF1221300E-A	16.00	Ø2.50	High Performance	Torque= 55 N.m
PMA1232330P-A	PPM1239130P-A	PDF1221300E-A	16.00	Ø3.00	High Performance	Torque= 55 N.m
PMA1232335P-A	PPM1239135P-A	PDF1221300E-A	16.00	Ø3.50	High Performance	Torque= 55 N.m
PMA1232320S-A	PPM1239120S-A	PDF1221300E-A	31.50	Ø2.00	High Performance	Torque= 55 N.m
PMA1232325S-A	PPM1239125S-A	PDF1221300E-A	31.50	Ø2.50	High Performance	Torque= 55 N.m
PMA1232330S-A	PPM1239130S-A	PDF1221300E-A	31.50	Ø3.00	High Performance	Torque= 55 N.m
PMA1232335S-A	PPM1239135S-A	PDF1221300E-A	31.50	Ø3.50	High Performance	Torque= 55 N.m
PMA1232320E-A	PPM1239120E-A	PDF1221300E-A	47.00	Ø2.00	High Performance	Torque= 55 N.m
PMA1232325E-A	PPM1239125E-A	PDF1221300E-A	47.00	Ø2.50	High Performance	Torque= 55 N.m
PMA1232330E-A	PPM1239130E-A	PDF1221300E-A	47.00	Ø3.00	High Performance	Torque= 55 N.m
PMA1232335E-A	PPM1239135E-A	PDF1221300E-A	47.00	Ø3.50	High Performance	Torque= 55 N.m

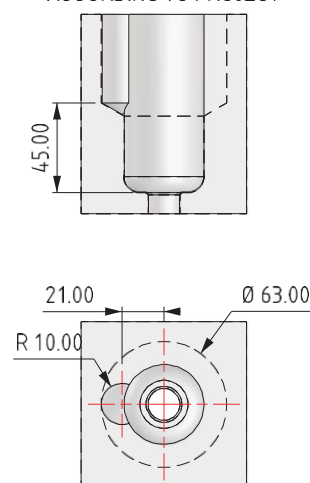
Pocket for Valve Ring Gate Tip



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

**Pocket With
2 or 3 Heaters**

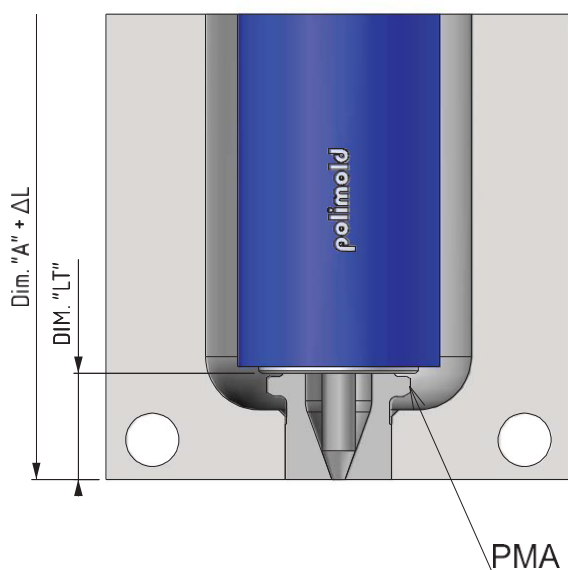
**POCKET
ACCORDING TO PROJECT**



3.500.01PF.02.05

Code and Pocket for Tip – PMA.VA.0

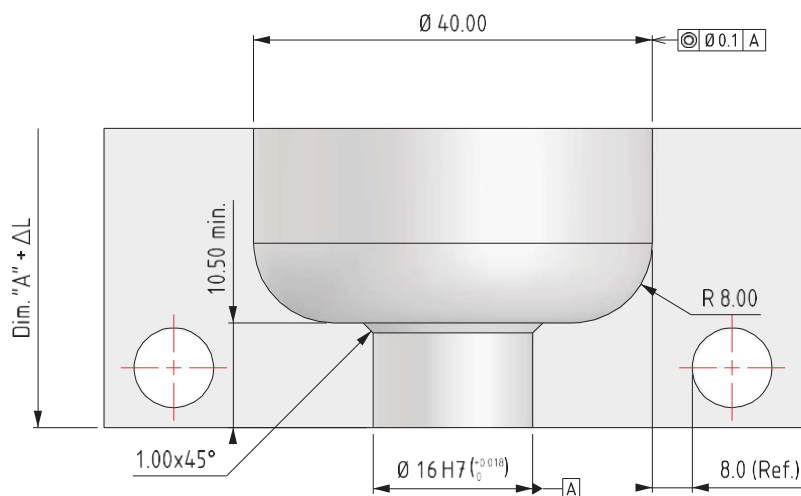
Version A – Revision 00
08/2017



Tip Assembly Specification & Components

Tip Code	Dimension "LT"	Gate	Torque (Nm)
PMA1220020P-A	16.00	Ø2.00	Torque= 55 Nm
PMA1220025P-A	16.00	Ø2.50	Torque= 55 Nm
PMA1220030P-A	16.00	Ø3.00	Torque= 55 Nm
PMA1220035P-A	16.00	Ø3.50	Torque= 55 Nm
PMA1220020S-A	31.50	Ø2.00	Torque= 55 Nm
PMA1220025S-A	31.50	Ø2.50	Torque= 55 Nm
PMA1220030S-A	31.50	Ø3.00	Torque= 55 Nm
PMA1220035S-A	31.50	Ø3.50	Torque= 55 Nm
PMA1220020E-A	47.00	Ø2.00	Torque= 55 Nm
PMA1220025E-A	47.00	Ø2.50	Torque= 55 Nm
PMA1220030E-A	47.00	Ø3.00	Torque= 55 Nm
PMA1220035E-A	47.00	Ø3.50	Torque= 55 Nm

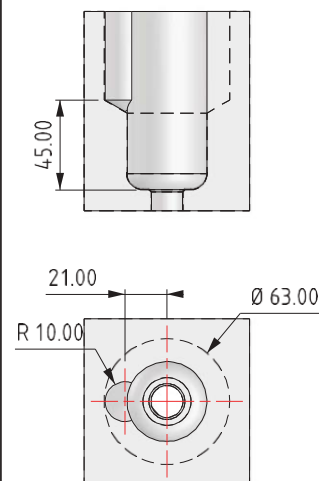
Pocket for Ring Valve Gate Tip



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

**Pocket With
2 or 3 Heaters**

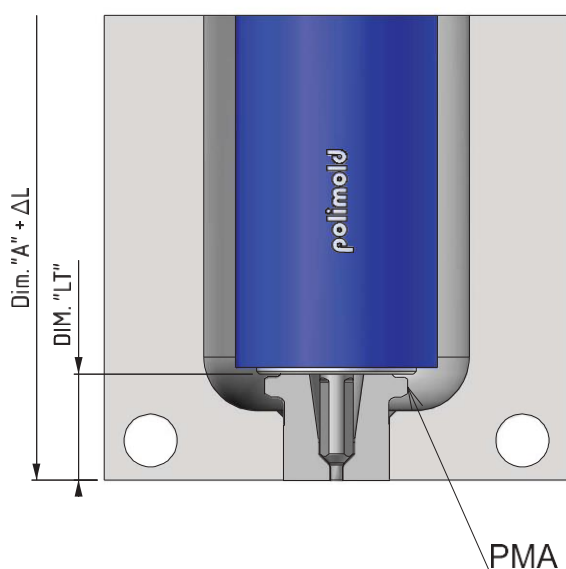
**POCKET
ACCORDING TO PROJECT**



3.500.01PF.02.06

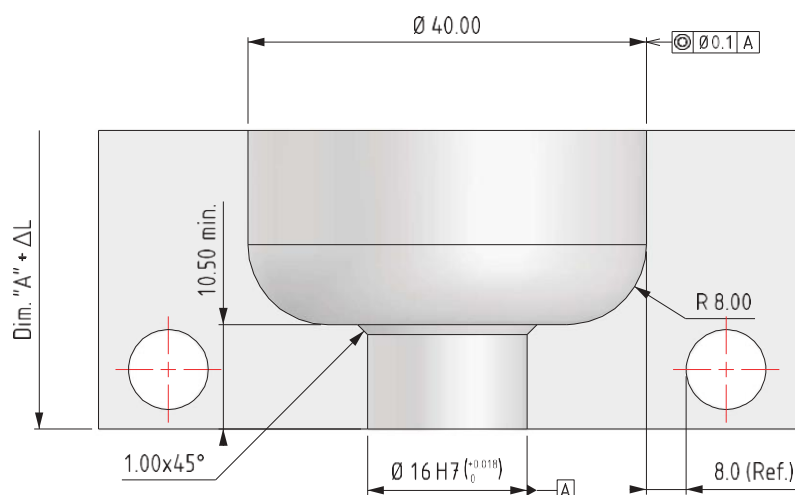
Code and Pocket for Tip - PMA.VP.0

Version A – Revision 00
08/2017



Tip Assembly Specification & Components			
Tip Code	Dimension "LT"	Gate	Torque (Nm)
PMA1230020P-A	16.00	Ø2.00	Torque= 55 Nm
PMA1230025P-A	16.00	Ø2.50	Torque= 55 Nm
PMA1230030P-A	16.00	Ø3.00	Torque= 55 Nm
PMA1230035P-A	16.00	Ø3.50	Torque= 55 Nm
PMA1230020S-A	31.50	Ø2.00	Torque= 55 Nm
PMA1230025S-A	31.50	Ø2.50	Torque= 55 Nm
PMA1230030S-A	31.50	Ø3.00	Torque= 55 Nm
PMA1230035S-A	31.50	Ø3.50	Torque= 55 Nm
PMA1230020E-A	47.00	Ø2.00	Torque= 55 Nm
PMA1230025E-A	47.00	Ø2.50	Torque= 55 Nm
PMA1230030E-A	47.00	Ø3.00	Torque= 55 Nm
PMA1230035E-A	47.00	Ø3.50	Torque= 55 Nm

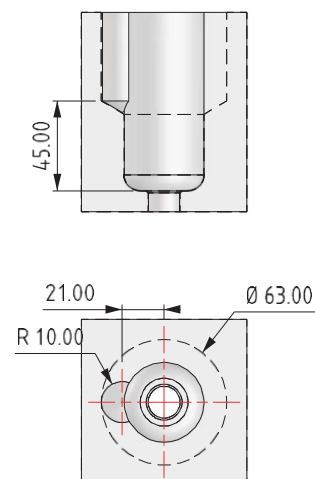
Pocket for Valve Ring Gate Tip



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

Pocket With 2 or 3 Heaters

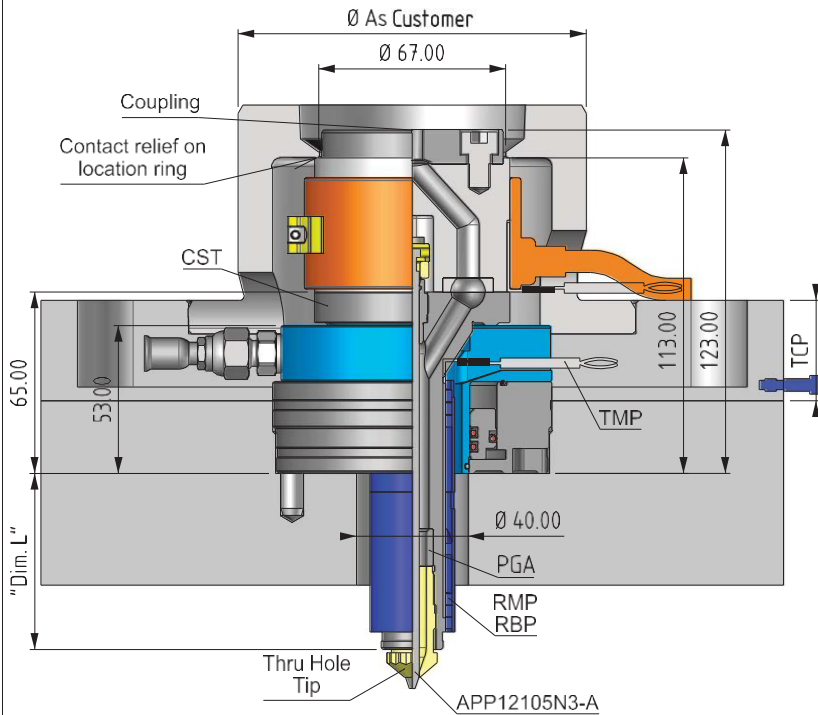
POCKET
ACCORDING TO PROJECT



3.500.01PF.02.07

**500 Series - Thru Hole Nozzle -
Code and Pocket**

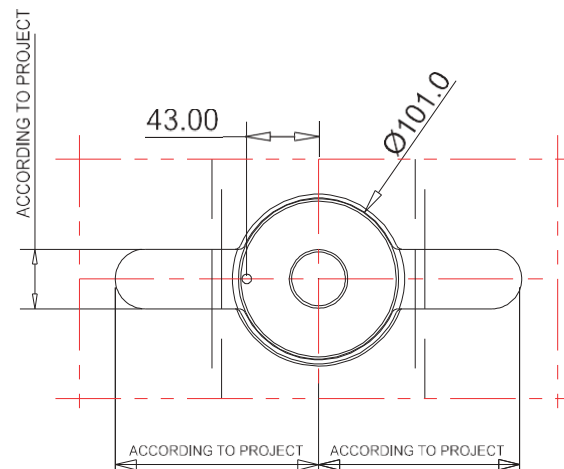
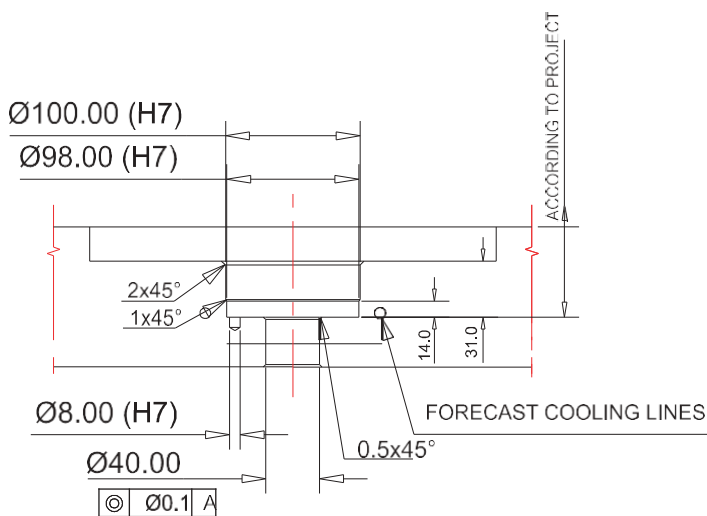
Version A – Revision 00
08/2017



Nozzle and Components Specification

Nozzle Code	Dim "L"	Body Nozzle	Heater	Wattage	Thermocouple
HST12033N-B	33	CST12098N-B	RMP12060C-A	460W	TMP01120
HST12043N-B	43	CST12108N-B	RMP12070C-A	460W	TMP01120
HST12053N-B	53	CST12118N-B	RMP12080C-A	460W	TMP01140
HST12063N-B	63	CST12128N-B	RMP12090C-A	460W	TMP01140
HST12073N-B	73	CST12138N-B	RMP12100C-A	460W	TMP01160
HST12083N-B	83	CST12148N-B	RMP12110C-A	460W	TMP01160
HST12093N-B	93	CST12158N-B	RMP12120C-A	460W	TMP01180
HST12103N-B	103	CST12168N-B	RMP12130C-A	460W	TMP01180
HST12113N-B	113	CST12178N-B	RMP12140C-A	500W	TMP01200
HST12133N-B	133	CST12198N-B	RMP12160C-A	760W	TMP01220
HST12153N-B	153	CST12218N-B	RMP12180C-A	760W	TMP01240
HST12173N-B	173	CST12238N-B	RMP12200C-A	760W	TMP01260
HST12193N-B	193	CST12258N-B	RMP12220C-A	760W	TMP01280
HST12213N-B	213	CST12278N-B	RMP12240C-A	760W	TMP01300
BST12033N-B	33	CST12098N-B	RBP12060C-A	460W	TMP01120
BST12043N-B	43	CST12108N-B	RBP12070C-A	500W	TMP01120
BST12053N-B	53	CST12118N-B	RBP12080C-A	500W	TMP01140
BST12063N-B	63	CST12128N-B	RBP12090C-A	500W	TMP01140
BST12073N-B	73	CST12138N-B	RBP12100C-A	690W	TMP01160
BST12083N-B	83	CST12148N-B	RBP12110C-A	690W	TMP01160
BST12093N-B	93	CST12158N-B	RBP12120C-A	690W	TMP01180
BST12103N-B	103	CST12168N-B	RBP12130C-A	690W	TMP01180
BST12113N-B	113	CST12178N-B	RBP12140C-A	690W	TMP01200
BST12123N-B	123	CST12188N-B	RBP12150C-A	690W	TMP01200
BST12133N-B	133	CST12198N-B	RBP12170C-A	690W	TMP01220
BST12153N-B	153	CST12218N-B	RBP12180C-A	690W	TMP01240
BST12173N-B	173	CST12238N-B	RBP12190C-A	690W	TMP01260
BST12193N-B	193	CST12258N-B	RBP12210C-A	690W	TMP01280
BST12213N-B	213	CST12278N-B	RBP12230C-A	760W	TMP01300

Pocket for Single Valve Nozzle



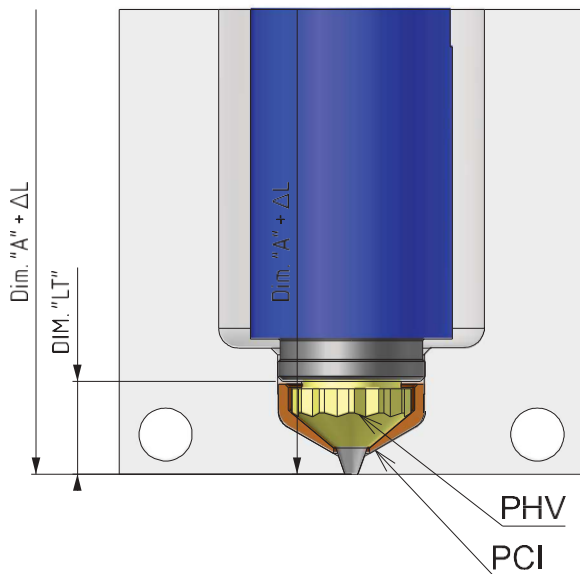
3.500.02TH.01.01

Code and Pocket for Tip - PVM.TH

Version A – Revision 00
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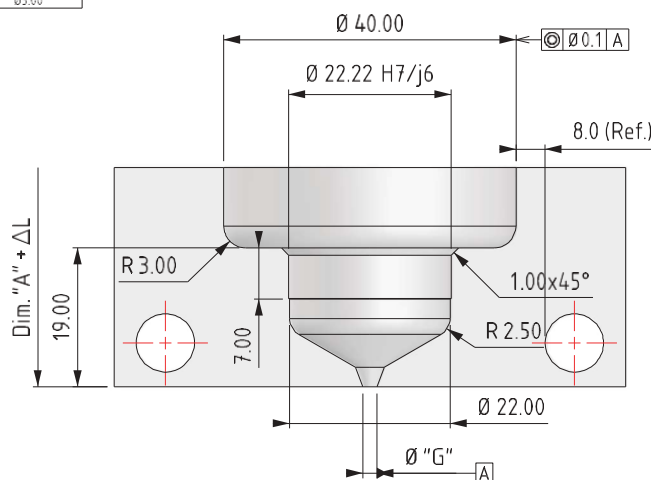
Tip Assembly Specification & Components

Tip Code	Insulator	Dimension "LT"	Material	Torque (Nm)
PHV12050-B	PCI12050-B	14.00	Standard	Torque= 55 Nm
PHV12150-B	PCI12050-B	14.00	High Performance	Torque= 55 Nm

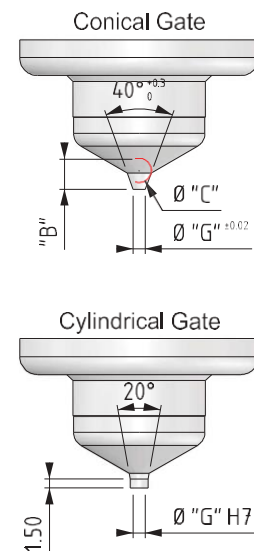


Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø2.50	4.41	Ø4.00
Ø3.00	5.69	Ø5.00
Ø3.50	5.00	Ø5.00



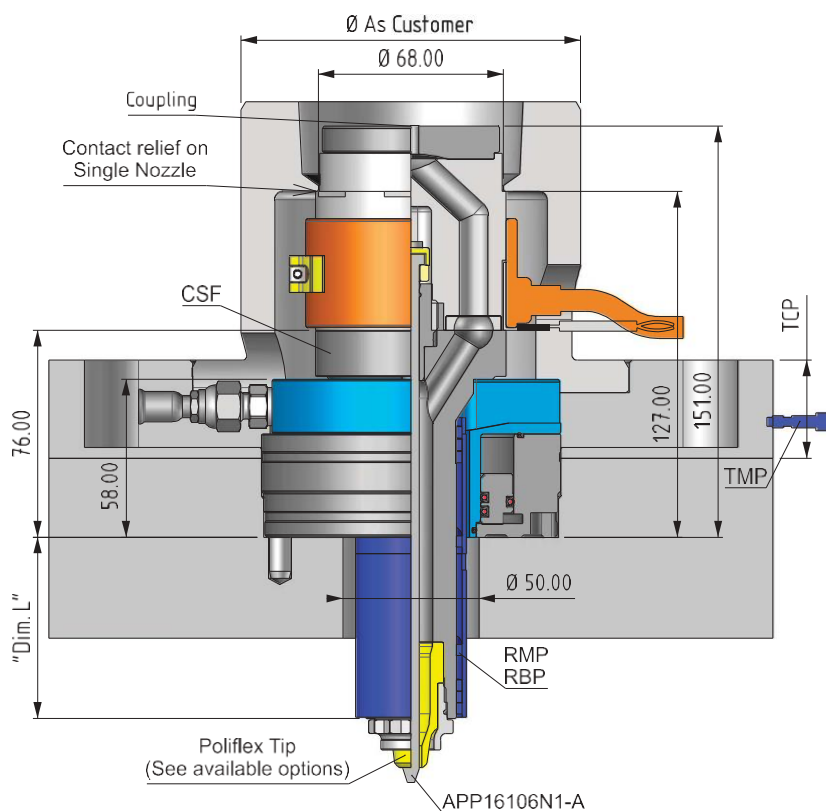
Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.



3.500.02TH.02.01

800 Series - Single Valve Nozzle - Code and Pocket

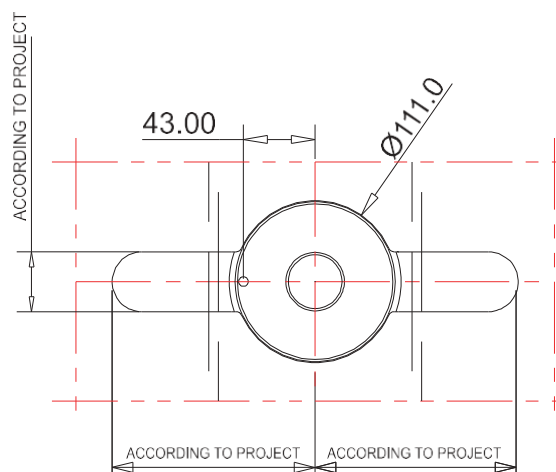
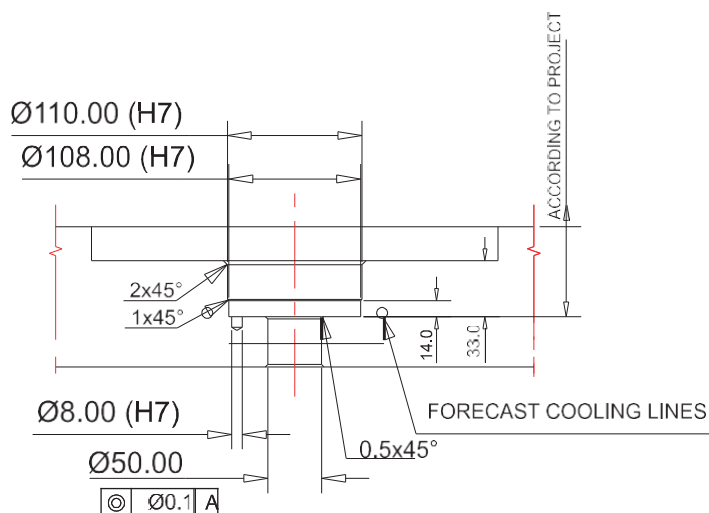
Version A – Revision 00
08/2017



Nozzle and Components Specification

Nozzle Code	Dim "L"	Body Code	Heater	Wattage	Thermocouple
HSF16102N-A	26.5	CSF16102N-A	RMP16070C-A	690W	TMP01080
HSF16122N-A	46.5	CSF16122N-A	RMP16090C-A	690W	TMP01080
HSF16142N-A	66.5	CSF16142N-A	RMP16110C-A	690W	TMP01080
HSF16162N-A	86.5	CSF16162N-A	RMP16130C-A	760W	TMP01080
HSF16182N-A	106.5	CSF16182N-A	RMP16150C-A	760W	TMP01080
HSF16202N-A	126.5	CSF16202N-A	RMP16170C-A	760W	TMP01080
HSF16222N-A	146.5	CSF16222N-A	RMP16190C-A	760W	TMP01080
HSF16242N-A	166.5	CSF16242N-A	RMP16210C-A	760W	TMP01080
-	-	-	-	-	-
BSF16102N-A	26.5	CSF16102N-A	RBP16070C-A	690W	TMP01080
BSF16122N-A	46.5	CSF16122N-A	RBP16090C-A	690W	TMP01080
BSF16142N-A	66.5	CSF16142N-A	RBP16110C-A	760W	TMP01080
BSF16162N-A	86.5	CSF16162N-A	RBP16130C-A	760W	TMP01080
BSF16182N-A	106.5	CSF16182N-A	RBP16150C-A	760W	TMP01080
BSF16202N-A	126.5	CSF16202N-A	RBP16170C-A	1100W	TMP01080
BSF16222N-A	146.5	CSF16222N-A	RBP16190C-A	1100W	TMP01080
BSF16242N-A	166.5	CSF16242N-A	RBP16210C-A	1100W	TMP01080

Pocket for Single Valve Nozzle



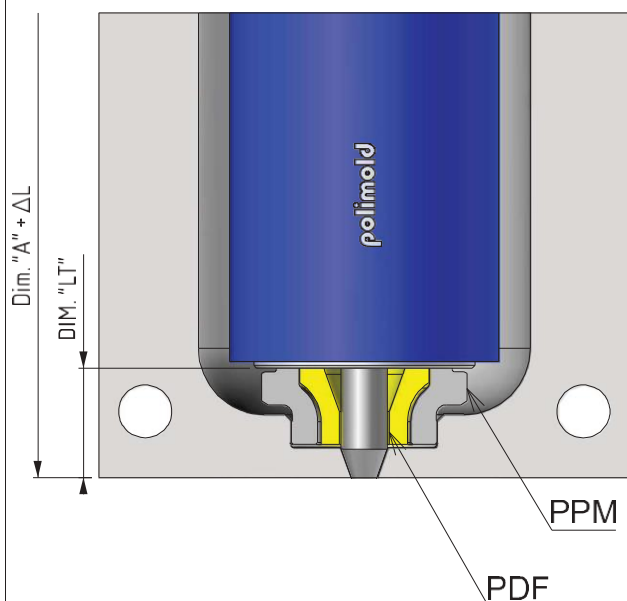
3.800.01PF.01.01

Code and Pocket for Tip - PVM.VA.C

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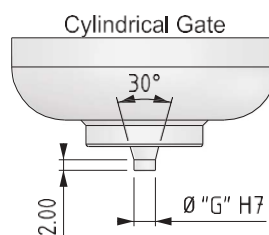
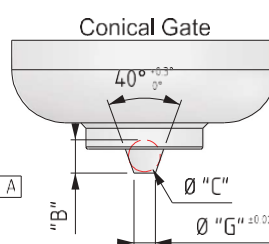
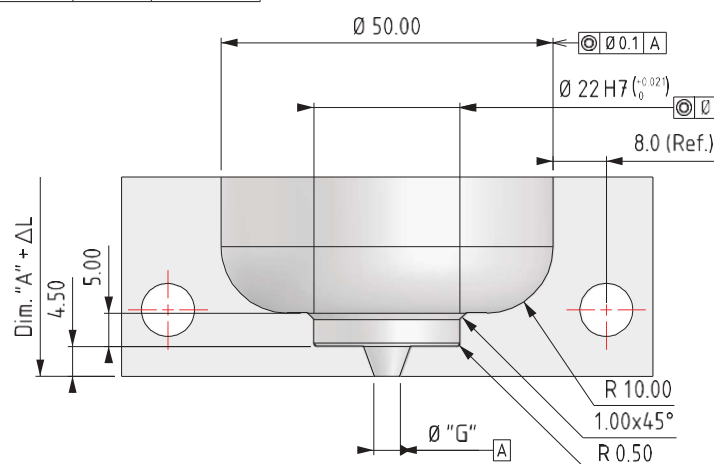
Tip Assembly Specification & Components

Tip Code	Flange	Tip	Dimension "LT"	Material	Torque (Nm)
PVM1621200P-A	PPM1628400P-A	PDF1621200P-A	16.50	Standard	Torque= 85 Nm
PVM1621300P-A	PPM1628400P-A	PDF1621300P-A	16.50	High Performance	Torque= 85 Nm



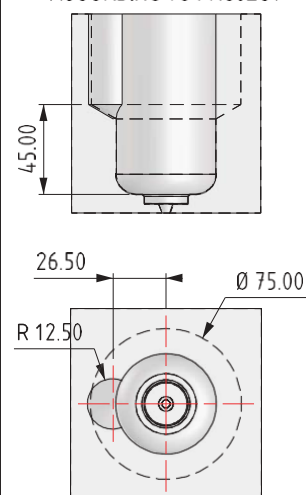
Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø3.00	5.69	Ø5.00
Ø4.00	6.28	Ø6.00
Ø5.00	6.86	Ø7.00



Pocket With
2 or 3 Heaters

POCKET
ACCORDING TO PROJECT

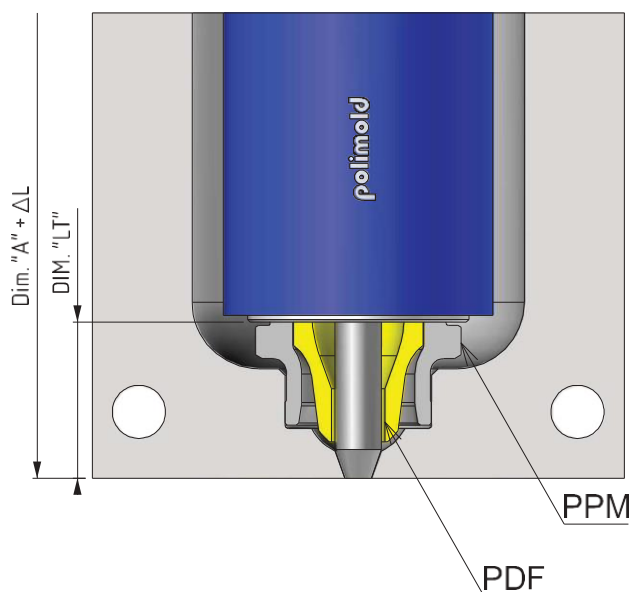


3.800.01PF.02.01

Code and Pocket for Tip - PVM.VA.M

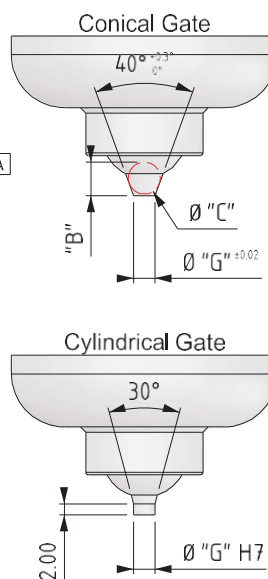
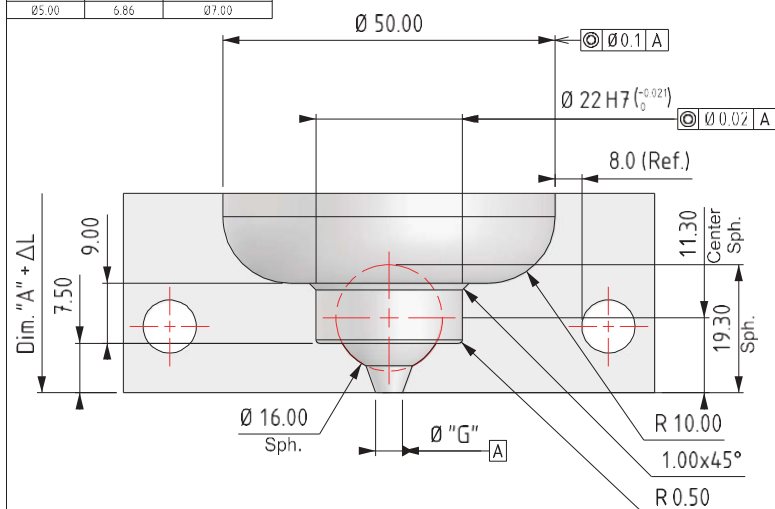
Version A – Revision 00
08/2017

Tip Assembly Specification & Components					
Tip Code	Flange	Tip	Dimension "LT"	Material	Torque (Nm)
PVM1622200S-A	PPM1628400S-A	PDF1621200E-A	23.50	Standard	Torque= 85 Nm
PVM1622300S-A	PPM1628400S-A	PDF1621300E-A	23.50	High Performance	Torque= 85 Nm



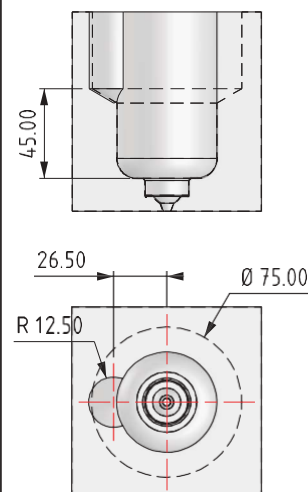
Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø3.00	5.69	Ø5.00
Ø4.00	6.28	Ø6.00
Ø5.00	6.86	Ø7.00



Pocket With 2 or 3 Heaters

POCKET
ACCORDING TO PROJECT

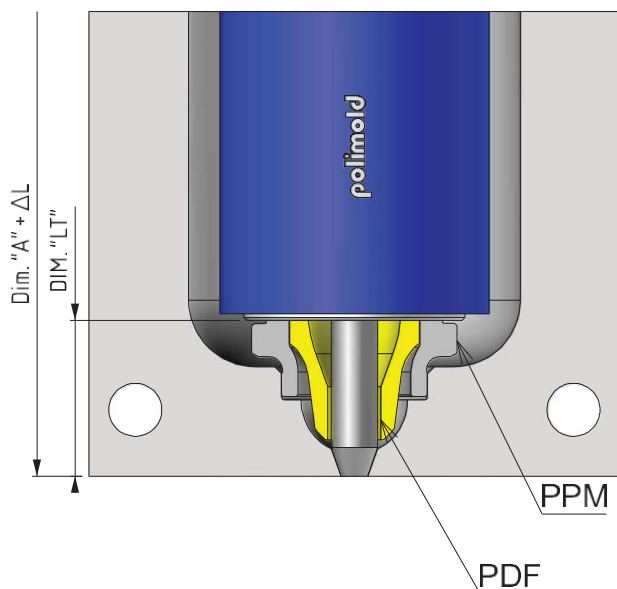


3.800.01PF.02.02

Code and Pocket for Tip - PVM.VA.L

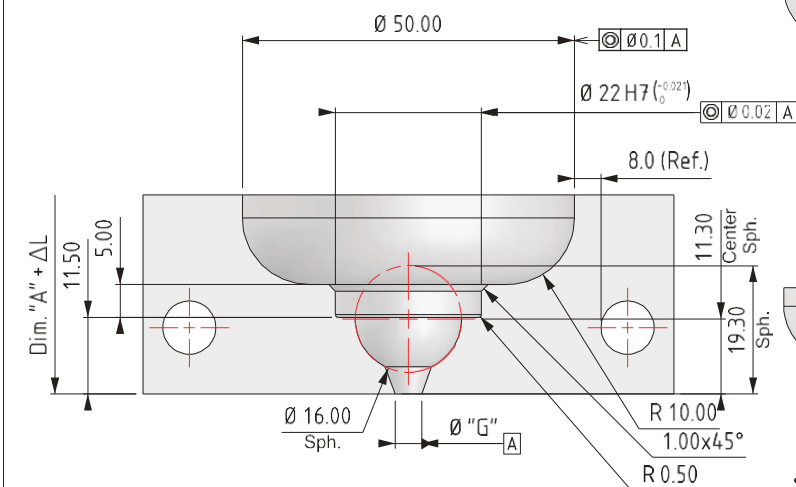
Version A – Revision 00
08/2017

Tip Assembly Specification & Components					
Tip Code	Flange	Tip	Dimension "LT"	Material	Torque (Nm)
PVM1622200E-A	PPM1628400E-A	PDF1621200E-A	23.50	Standard	Torque= 85 Nm
PVM1622300E-A	PPM1628400E-A	PDF1621300E-A	23.50	High Performance	Torque= 85 Nm



Pocket for Valve Point Gate Tip

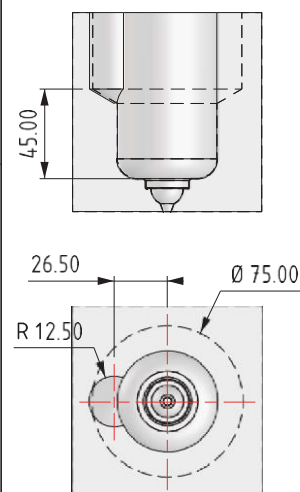
Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø3.00	5.69	Ø5.00
Ø4.00	6.28	Ø6.00
Ø5.00	6.86	Ø7.00



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

Pocket With 2 or 3 Heaters

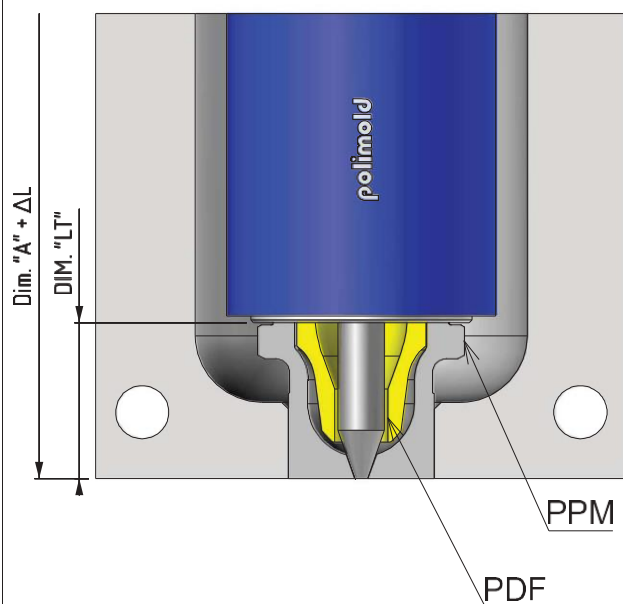
POCKET
ACCORDING TO PROJECT



3.800.01PF.02.03

Code and Pocket for Tip - PMA.VA.L

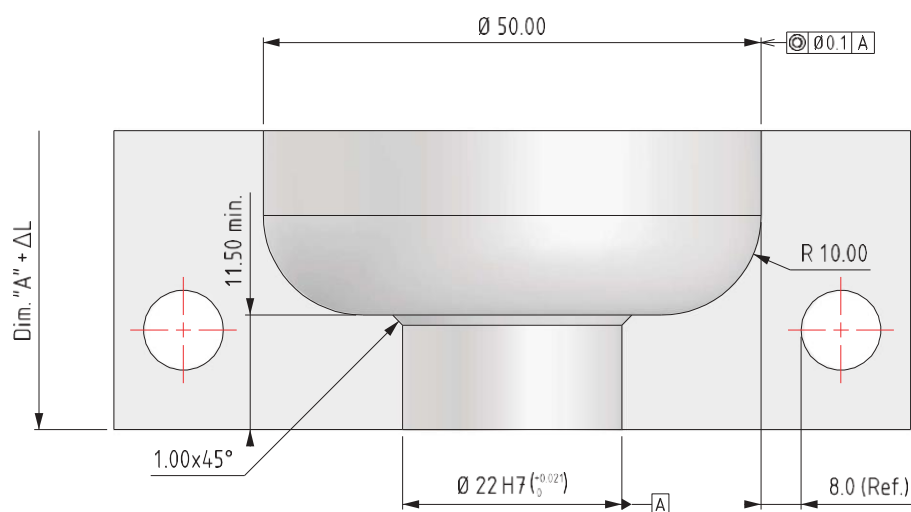
Version A – Revision 00
08/2017



Tip Assembly Specification & Components

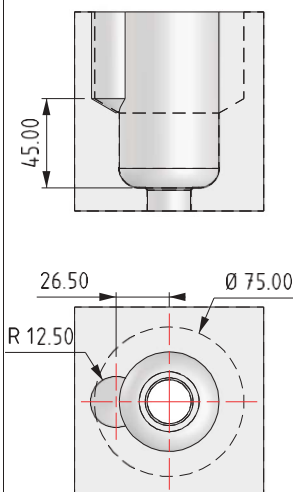
Tip Code	Flange	Tip	Dimension "LT"	Gate	Material	Torque (Nm)
PMA1622220P-A	PPM1629120P-A	PDF1621200E-A	23.50	02.00	Standard	Torque= 85 Nm
PMA1622230P-A	PPM1629130P-A	PDF1621200E-A	23.50	03.00	Standard	Torque= 85 Nm
PMA1622240P-A	PPM1629140P-A	PDF1621200E-A	23.50	04.00	Standard	Torque= 85 Nm
PMA1622250P-A	PPM1629150P-A	PDF1621200E-A	23.50	05.00	Standard	Torque= 85 Nm
PMA1622220S-A	PPM1629120S-A	PDF1621200E-A	47.50	02.00	Standard	Torque= 85 Nm
PMA1622230S-A	PPM1629130S-A	PDF1621200E-A	47.50	03.00	Standard	Torque= 85 Nm
PMA1622240S-A	PPM1629140S-A	PDF1621200E-A	47.50	04.00	Standard	Torque= 85 Nm
PMA1622250S-A	PPM1629150S-A	PDF1621200E-A	47.50	05.00	Standard	Torque= 85 Nm
PMA1622220E-A	PPM1629120E-A	PDF1621200E-A	71.50	02.00	Standard	Torque= 85 Nm
PMA1622230E-A	PPM1629130E-A	PDF1621200E-A	71.50	03.00	Standard	Torque= 85 Nm
PMA1622240E-A	PPM1629140E-A	PDF1621200E-A	71.50	04.00	Standard	Torque= 85 Nm
PMA1622250E-A	PPM1629150E-A	PDF1621200E-A	71.50	05.00	Standard	Torque= 85 Nm
PMA1622320P-A	PPM1629120P-A	PDF1621300E-A	23.50	02.00	High Performance	Torque= 85 Nm
PMA1622330P-A	PPM1629130P-A	PDF1621300E-A	23.50	03.00	High Performance	Torque= 85 Nm
PMA1622340P-A	PPM1629140P-A	PDF1621300E-A	23.50	04.00	High Performance	Torque= 85 Nm
PMA1622350P-A	PPM1629150P-A	PDF1621300E-A	23.50	05.00	High Performance	Torque= 85 Nm
PMA1622320S-A	PPM1629120S-A	PDF1621300E-A	47.50	02.00	High Performance	Torque= 85 Nm
PMA1622330S-A	PPM1629130S-A	PDF1621300E-A	47.50	03.00	High Performance	Torque= 85 Nm
PMA1622340S-A	PPM1629140S-A	PDF1621300E-A	47.50	04.00	High Performance	Torque= 85 Nm
PMA1622350S-A	PPM1629150S-A	PDF1621300E-A	47.50	05.00	High Performance	Torque= 85 Nm
PMA1622320E-A	PPM1629120E-A	PDF1621300E-A	71.50	02.00	High Performance	Torque= 85 Nm
PMA1622330E-A	PPM1629130E-A	PDF1621300E-A	71.50	03.00	High Performance	Torque= 85 Nm
PMA1622340E-A	PPM1629140E-A	PDF1621300E-A	71.50	04.00	High Performance	Torque= 85 Nm
PMA1622350E-A	PPM1629150E-A	PDF1621300E-A	71.50	05.00	High Performance	Torque= 85 Nm

Pocket for Valve Ring Gate Tip



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

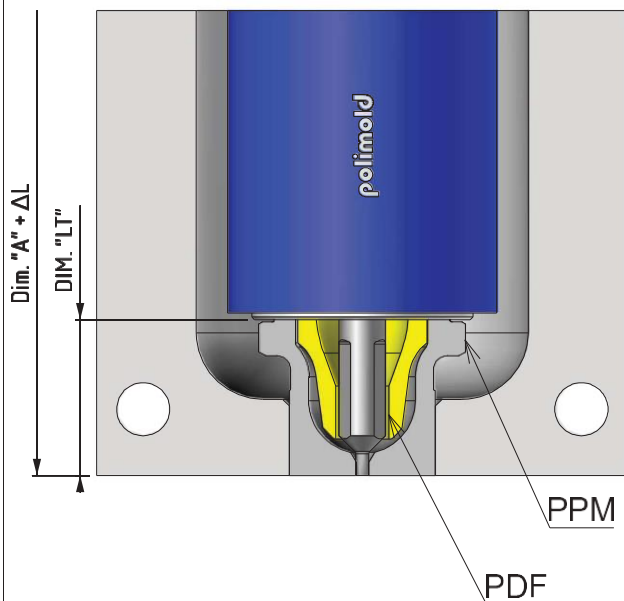
Pocket With 2 or 3 Heaters

POCKET
ACCORDING TO PROJECT

3.800.01PF.02.04

Code and Pocket for Tip - PMA.VP.L

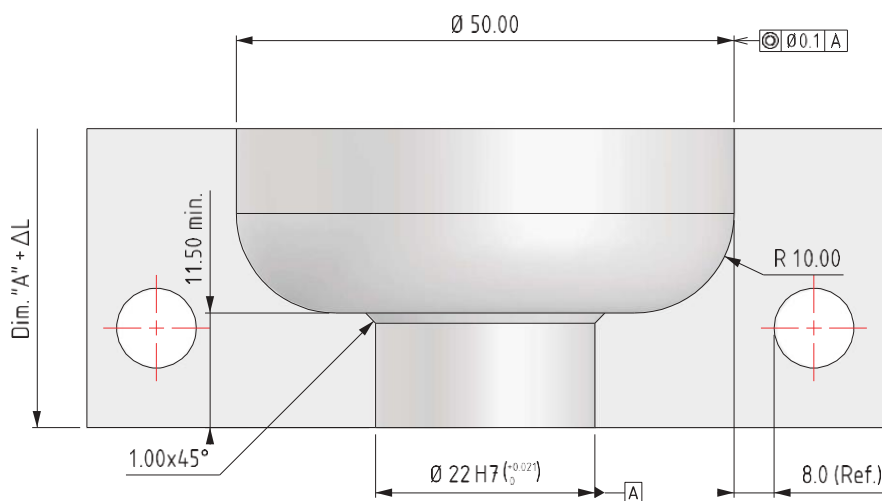
Version A – Revision 00
08/2017



Tip Assembly Specification & Components

Tip Code	Flange	Tip	Dimension "LT"	Gate	Material	Torque (Nm)
PMA1632220P-A	PPM1639120P-A	PDF1621200E-A	23.50	Ø2.00	Standard	Torque= 85 Nm
PMA1632230P-A	PPM1639130P-A	PDF1621200E-A	23.50	Ø3.00	Standard	Torque= 85 Nm
PMA1632240P-A	PPM1639140P-A	PDF1621200E-A	23.50	Ø4.00	Standard	Torque= 85 Nm
PMA1632250P-A	PPM1639150P-A	PDF1621200E-A	23.50	Ø5.00	Standard	Torque= 85 Nm
PMA1632220S-A	PPM1639120S-A	PDF1621200E-A	47.50	Ø2.00	Standard	Torque= 85 Nm
PMA1632230S-A	PPM1639130S-A	PDF1621200E-A	47.50	Ø3.00	Standard	Torque= 85 Nm
PMA1632240S-A	PPM1639140S-A	PDF1621200E-A	47.50	Ø4.00	Standard	Torque= 85 Nm
PMA1632250S-A	PPM1639150S-A	PDF1621200E-A	47.50	Ø5.00	Standard	Torque= 85 Nm
PMA1632220E-A	PPM1639120E-A	PDF1621200E-A	71.50	Ø2.00	Standard	Torque= 85 Nm
PMA1632230E-A	PPM1639130E-A	PDF1621200E-A	71.50	Ø3.00	Standard	Torque= 85 Nm
PMA1632240E-A	PPM1639140E-A	PDF1621200E-A	71.50	Ø4.00	Standard	Torque= 85 Nm
PMA1632250E-A	PPM1639150E-A	PDF1621200E-A	71.50	Ø5.00	Standard	Torque= 85 Nm
PMA1632320P-A	PPM1639120P-A	PDF1621300E-A	23.50	Ø2.00	High Performance	Torque= 85 Nm
PMA1632330P-A	PPM1639130P-A	PDF1621300E-A	23.50	Ø3.00	High Performance	Torque= 85 Nm
PMA1632340P-A	PPM1639140P-A	PDF1621300E-A	23.50	Ø4.00	High Performance	Torque= 85 Nm
PMA1632350P-A	PPM1639150P-A	PDF1621300E-A	23.50	Ø5.00	High Performance	Torque= 85 Nm
PMA1632320S-A	PPM1639120S-A	PDF1621300E-A	47.50	Ø2.00	High Performance	Torque= 85 Nm
PMA1632330S-A	PPM1639130S-A	PDF1621300E-A	47.50	Ø3.00	High Performance	Torque= 85 Nm
PMA1632340S-A	PPM1639140S-A	PDF1621300E-A	47.50	Ø4.00	High Performance	Torque= 85 Nm
PMA1632350S-A	PPM1639150S-A	PDF1621300E-A	47.50	Ø5.00	High Performance	Torque= 85 Nm
PMA1632320E-A	PPM1639120E-A	PDF1621300E-A	71.50	Ø2.00	High Performance	Torque= 85 Nm
PMA1632330E-A	PPM1639130E-A	PDF1621300E-A	71.50	Ø3.00	High Performance	Torque= 85 Nm
PMA1632340E-A	PPM1639140E-A	PDF1621300E-A	71.50	Ø4.00	High Performance	Torque= 85 Nm
PMA1632350E-A	PPM1639150E-A	PDF1621300E-A	71.50	Ø5.00	High Performance	Torque= 85 Nm

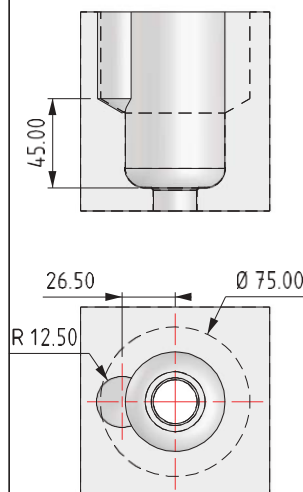
Pocket for Valve Ring Gate Tip



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

**Pocket With
2 or 3 Heaters**

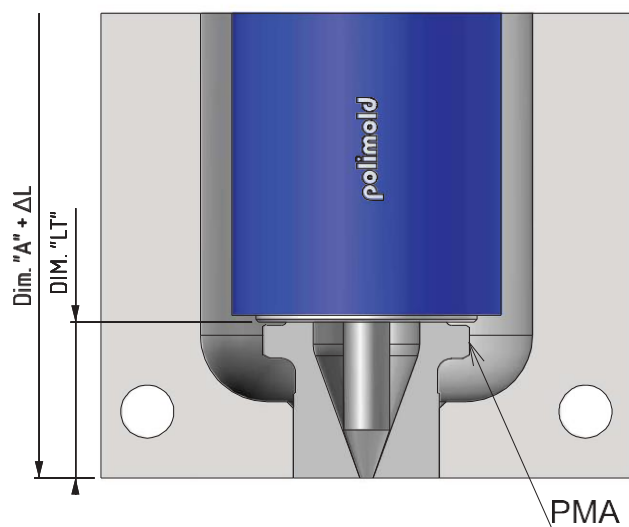
**POCKET
ACCORDING TO PROJECT**



3.800.01PF.02.05

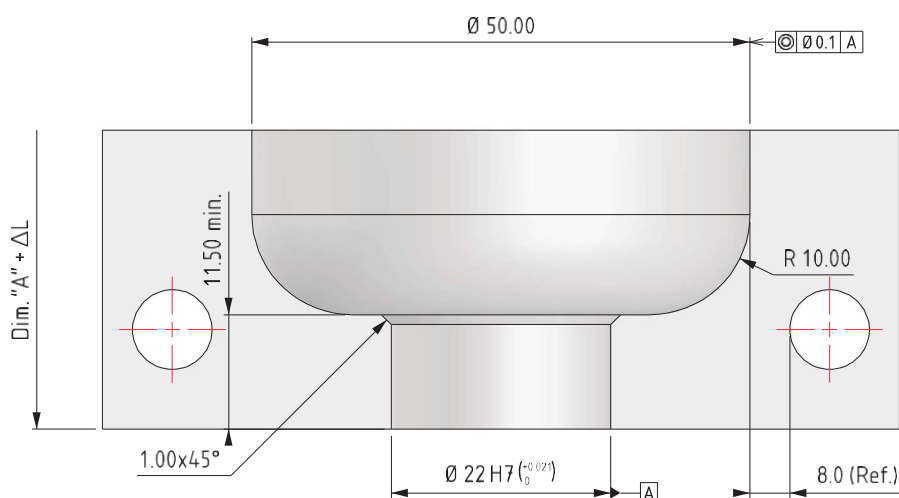
Code and Pocket for Tip - PMA.VA.0

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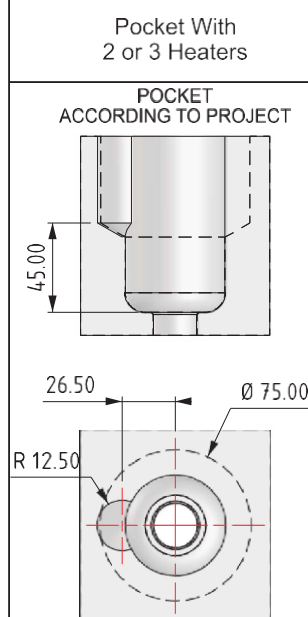


Tip Assembly Specification & Components			
Tip Code	Dimension "LT"	Gate	Torque (Nm)
PMA1620020P-A	23.50	Ø2.00	Torque= 85 Nm
PMA1620030P-A	23.50	Ø3.00	Torque= 85 Nm
PMA1620040P-A	23.50	Ø4.00	Torque= 85 Nm
PMA1620050P-A	23.50	Ø5.00	Torque= 85 Nm
PMA1620020S-A	47.50	Ø2.00	Torque= 85 Nm
PMA1620030S-A	47.50	Ø3.00	Torque= 85 Nm
PMA1620040S-A	47.50	Ø4.00	Torque= 85 Nm
PMA1620050S-A	47.50	Ø5.00	Torque= 85 Nm
PMA1620020E-A	71.50	Ø2.00	Torque= 85 Nm
PMA1620030E-A	71.50	Ø3.00	Torque= 85 Nm
PMA1620040E-A	71.50	Ø4.00	Torque= 85 Nm
PMA1620050E-A	71.50	Ø5.00	Torque= 85 Nm

Pocket for Ring Valve Gate Tip



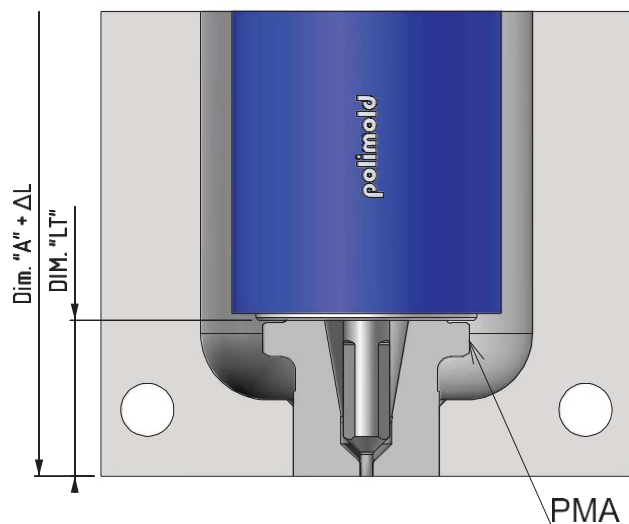
Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.



3.800.01PF.02.06

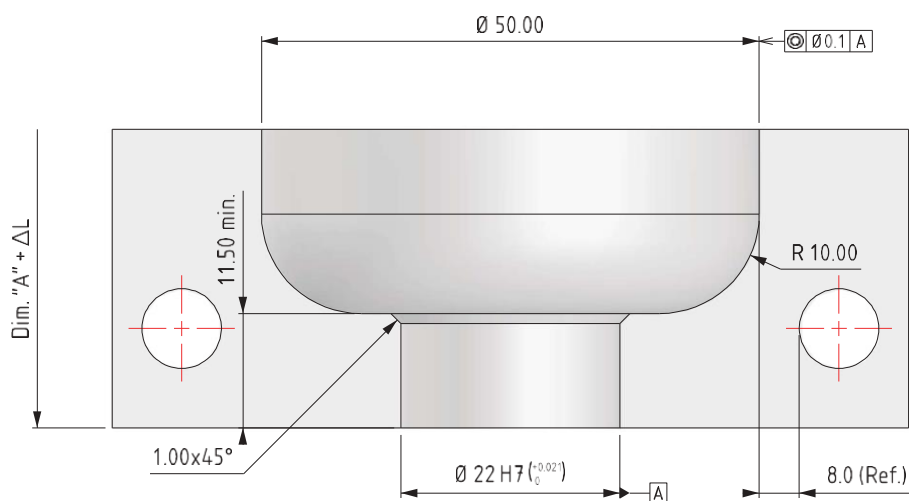
Code and Pocket for Tip - PMA.VP.0

Version A – Revision 00
08/2017

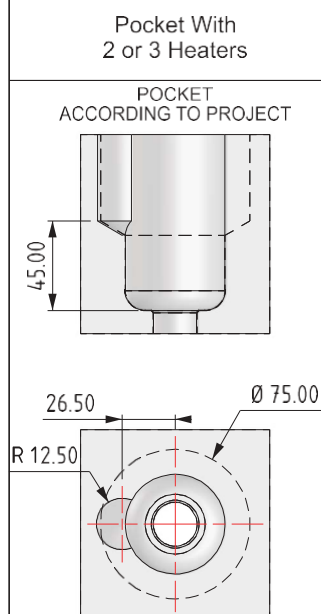


Tip Assembly Specification & Components			
Tip Code	Dimension "LT"	Gate	Torque (Nm)
PMA1630020P-A	23.50	Ø2.00	Torque= 85 Nm
PMA1630030P-A	23.50	Ø3.00	Torque= 85 Nm
PMA1630040P-A	23.50	Ø4.00	Torque= 85 Nm
PMA1630050P-A	23.50	Ø5.00	Torque= 85 Nm
PMA1630020S-A	47.50	Ø2.00	Torque= 85 Nm
PMA1630030S-A	47.50	Ø3.00	Torque= 85 Nm
PMA1630040S-A	47.50	Ø4.00	Torque= 85 Nm
PMA1630050S-A	47.50	Ø5.00	Torque= 85 Nm
PMA1630020E-A	71.50	Ø2.00	Torque= 85 Nm
PMA1630030E-A	71.50	Ø3.00	Torque= 85 Nm
PMA1630040E-A	71.50	Ø4.00	Torque= 85 Nm
PMA1630050E-A	71.50	Ø5.00	Torque= 85 Nm

Pocket for Valve Ring Gate Tip



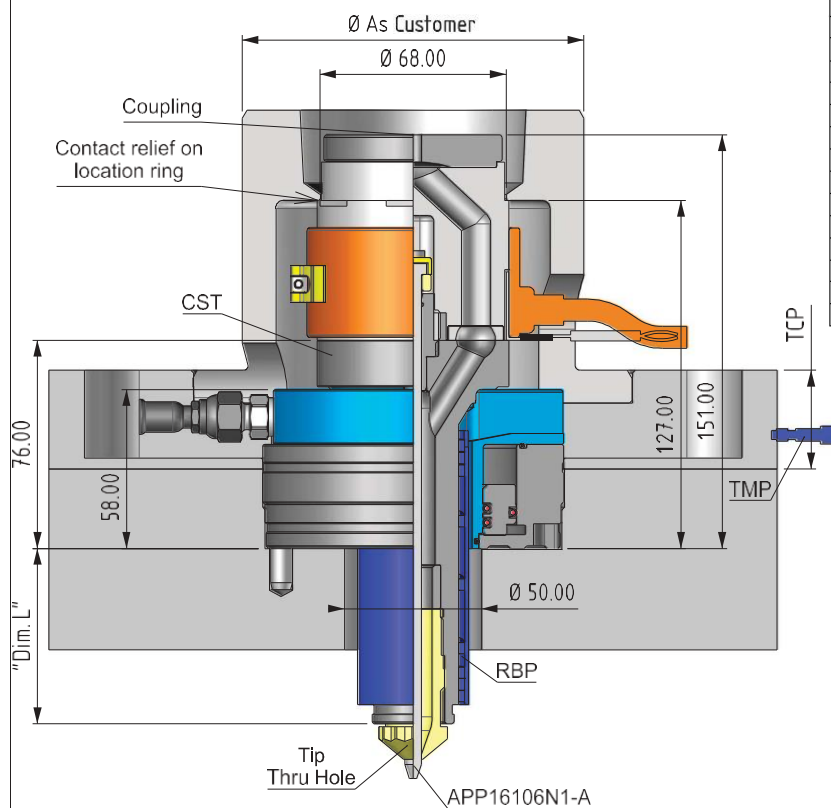
Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining



3.800.01PF.02.07

800 Series - Thru Hole Nozzle - Code and Pocket

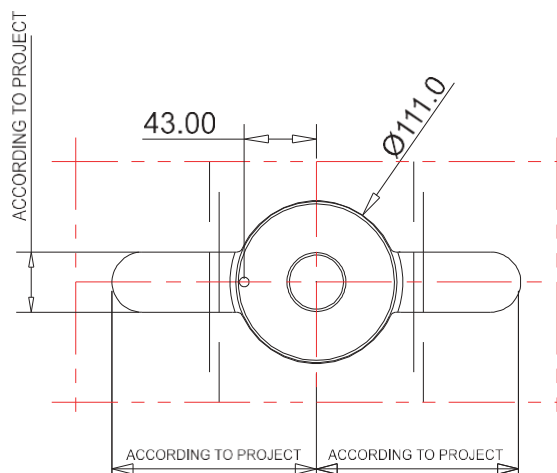
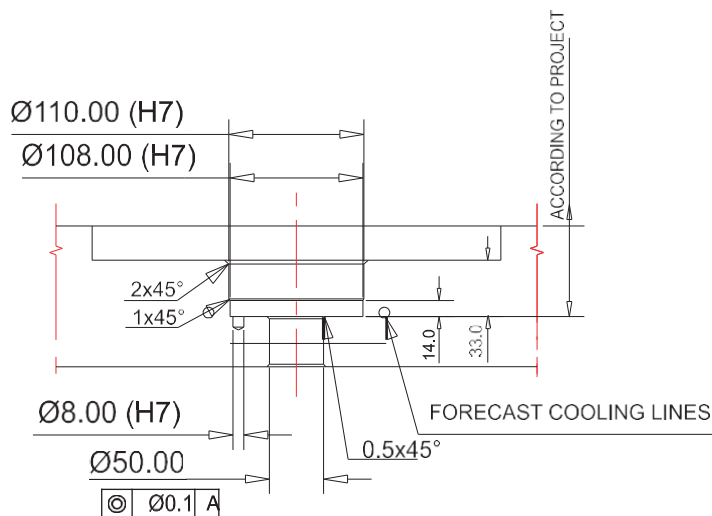
Version A – Revision 00
08/2017



Nozzle and Tip Specification

Nozzle Code	Dim "L"	Body Nozzle	Heater	Wattage	Thermocouple
BST16100N-B	24.00	CST16100N-A	RBP16060C-A	690W	TMP01080
BST16110N-A	34.00	CST16110N-A	RBP16070C-A	690W	TMP01080
BST16120N-A	44.00	CST16120N-A	RBP16080C-A	690W	TMP01080
BST16130N-A	54.00	CST16130N-A	RBP16090C-A	690W	TMP01080
BST16140N-A	64.00	CST16140N-A	RBP16100C-A	760W	TMP01080
BST16150N-A	74.00	CST16150N-A	RBP16110C-A	760W	TMP01080
BST16160N-A	84.00	CST16160N-A	RBP16120C-A	760W	TMP01080
BST16170N-A	94.00	CST16170N-A	RBP16130C-A	760W	TMP01080
BST16180N-A	104.00	CST16180N-A	RBP16140C-A	760W	TMP01080
BST16190N-A	114.00	CST16190N-A	RBP16150C-A	760W	TMP01080
BST16210N-A	134.00	CST16210N-A	RBP16170C-A	1100W	TMP01080
BST16230N-A	154.00	CST16230N-A	RBP16190C-A	1100W	TMP01080
BST16250N-A	174.00	CST16250N-A	RBP16210C-A	1100W	TMP01080

Pocket for Single Valve Nozzle

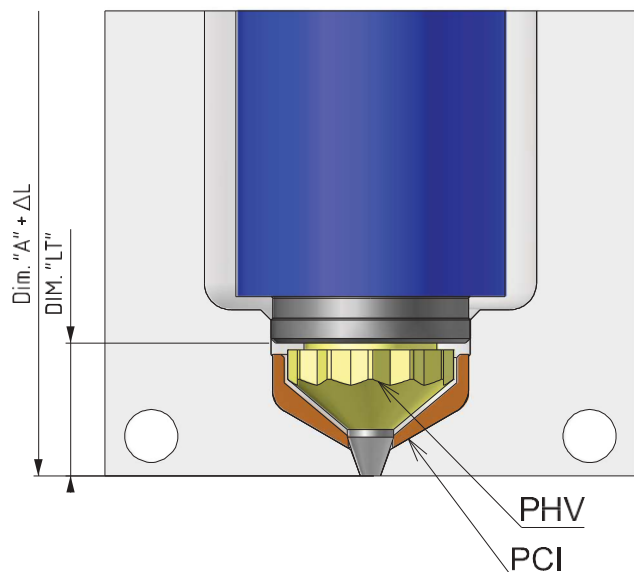


3.800.02TH.01.01

Code and Pocket for Tip - PVM.TH

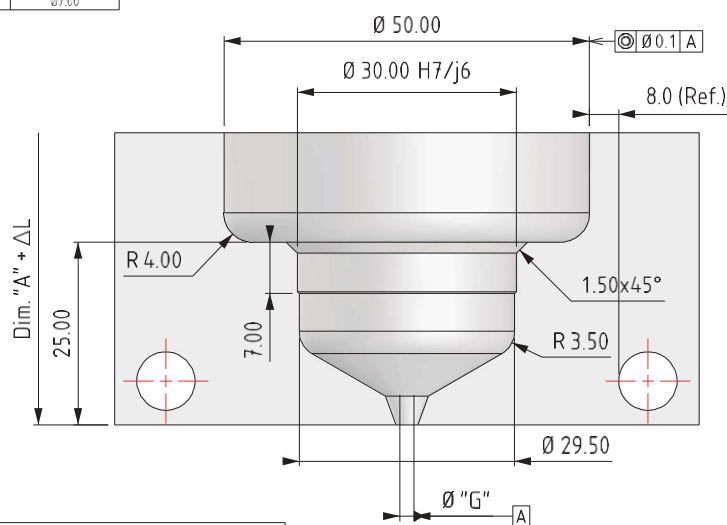
Version A – Revision 00
08/2017

Tip Assembly Specification & Components				
Tip Code	Insulator	Dimension "LT"	Material	Torque (Nm)
PHV16060-B	PCI16060-B	20.00	Standard	Torque= 85 Nm
PHV16160-B	PCI16060-B	20.00	High Performance	Torque= 85 Nm

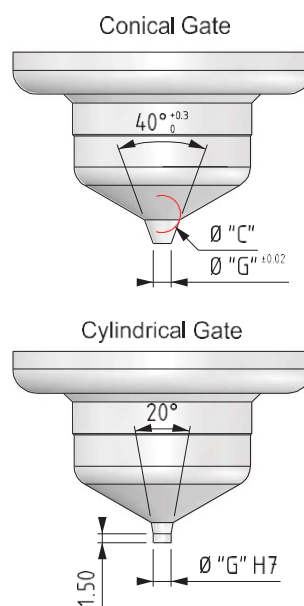


Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sph.)
Ø2.00	3.14	Ø3.00
Ø3.00	5.69	Ø5.00
Ø4.00	5.28	Ø6.00
Ø5.00	5.86	Ø7.00



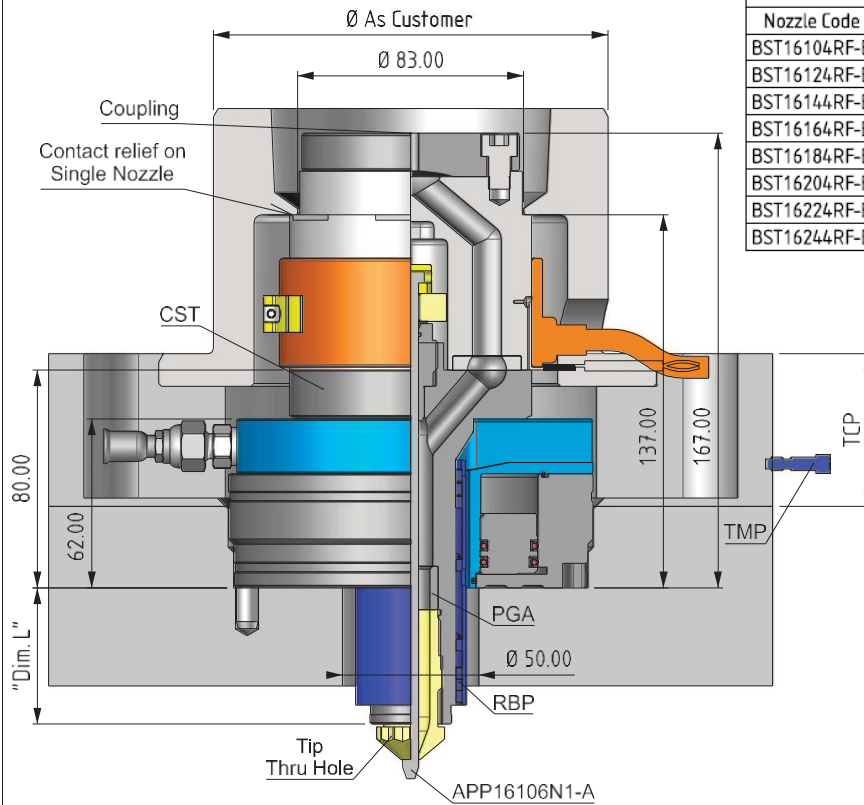
Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.



3.800.02TH.02.01

800RF Series - Reinforced Thru Hole Nozzle - Code and Pocket

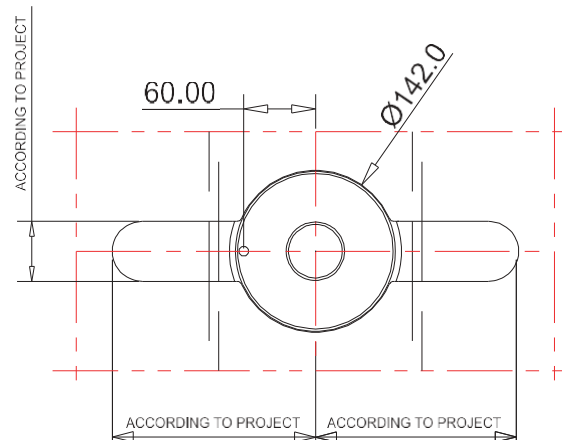
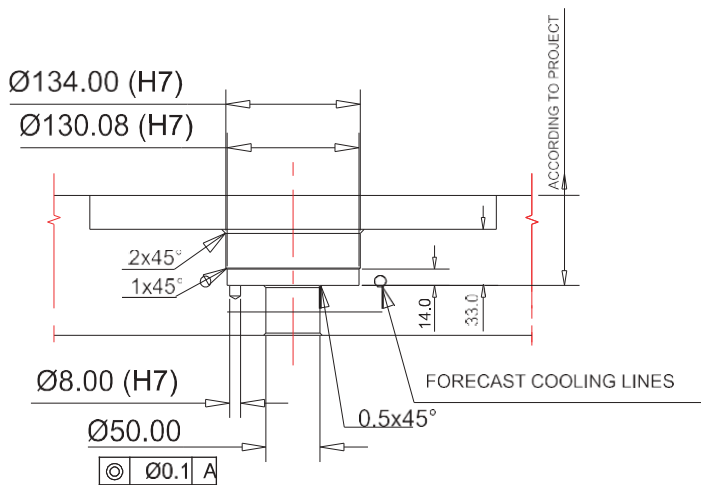
Version A – Revision 00
08/2017



Nozzle and Tip Specification

Nozzle Code	Dim "L"	Body Nozzle	Heater	Wattage	Thermocouple
BST16104RF-B	28.5	CST16104RF-B	RBP16070C-A	690W	TMP01080
BST16124RF-B	48.5	CST16124RF-B	RBP16090C-A	690W	TMP01080
BST16144RF-B	68.5	CST16144RF-B	RBP16110C-A	760W	TMP01080
BST16164RF-B	88.5	CST16164RF-B	RBP16130C-A	760W	TMP01080
BST16184RF-B	108.5	CST16184RF-B	RBP16150C-A	760W	TMP01080
BST16204RF-B	128.5	CST16204RF-B	RBP16170C-A	1100W	TMP01080
BST16224RF-B	148.5	CST16224RF-B	RBP16190C-A	1100W	TMP01080
BST16244RF-B	168.5	CST16244RF-B	RBP16210C-A	1100W	TMP01080

Pocket for Single Valve Nozzle



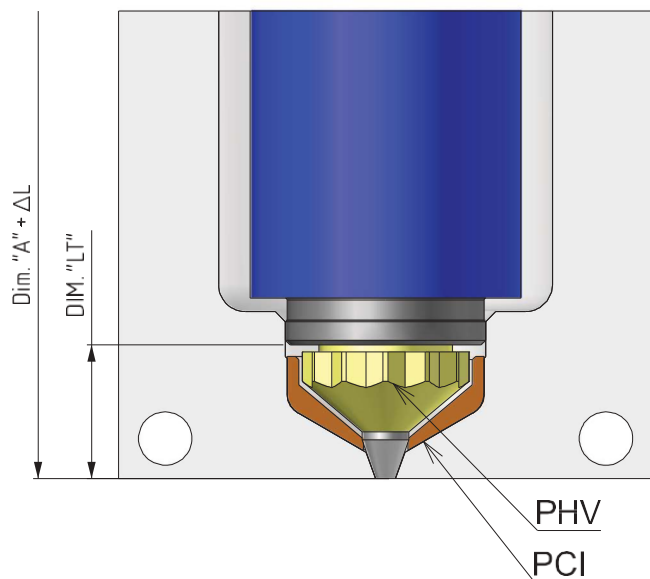
3.800.03THR.01.01

Code and Pocket for Tip - PVM.THR

Version A – Revision 00
08/2017

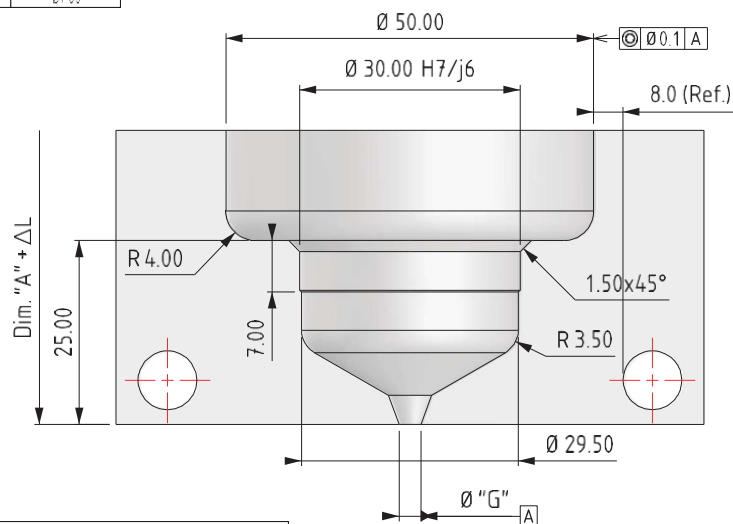
Tip Assembly Specification & Components

Tip Code	Insulator	Dimension "LT"	Material	Torque (Nm)
PHV16060-B	PCI16060-B	20.00	Standard	Torque= 85 Nm
PHV16160-B	PCI16060-B	20.00	High Performance	Torque= 85 Nm

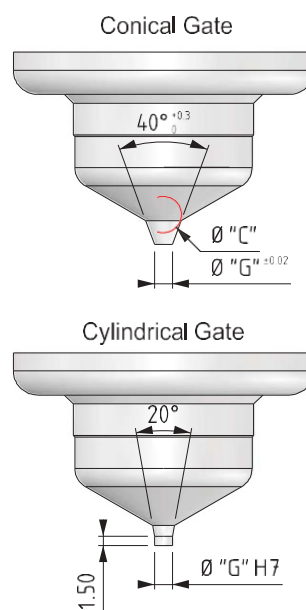


Pocket for Valve Point Gate Tip

Gate Diameter	Dimension "B"	Dimension "C" (Sch.)
Ø2.00	3.14	Ø3.00
Ø3.00	5.69	Ø5.00
Ø4.00	6.20	Ø6.00
Ø5.00	6.86	Ø7.00



Drawing without scale and dimensions in (mm).
Consult the project Hot Runner System Polimold 3D
for the complete dimensions prior to machining.

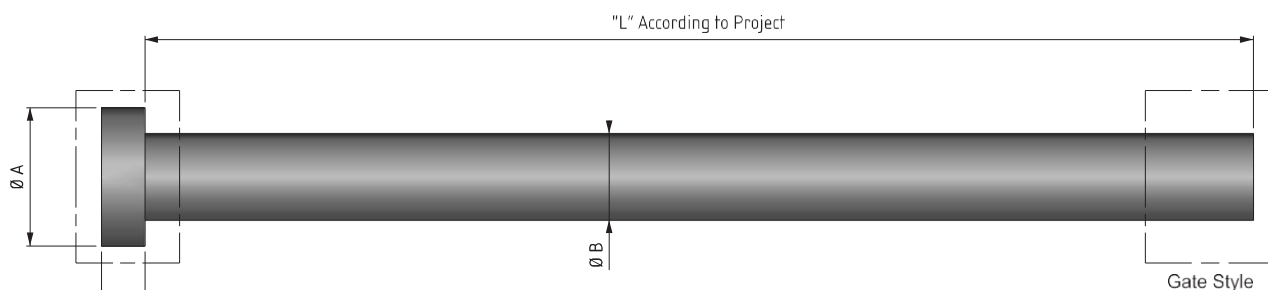


3.800.03THR.02.01

Valve Pin - Code and Dimensions

Version A – Rev 00
10/2021

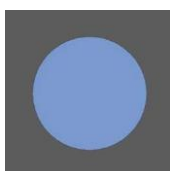
Valve Pin								
Serie	Code	"A" (Valve Pin Head Diameter)	"B" (Valve Pin Diameter)	"C" (Valve Pin Head Height)	"D" (Groove Diameter)	"E" (Groove Height)	Non Rotate Piston	Gate Style
200	APP10103N-A	Ø6.00	Ø3.00	3.00	-	-	No	Parallel / Angular
200	APP10103N1-A	Ø6.00	Ø3.00	3.00	-	-	Yes	Parallel / Angular
500	APP12105N-A	Ø9.00	Ø5.00	3.00	-	-	No	Parallel / Angular
500	APP12105N1-A	Ø9.00	Ø5.00	3.00	-	-	Yes	Parallel / Angular
800	APP16107N-A	Ø12.00	Ø7.00	5.00	-	-	No	Parallel / Angular
800	APP16107N1-A	Ø12.00	Ø7.00	5.00	-	-	Yes	Parallel / Angular
1000	APP20110N2-A	Ø12.00	Ø10.00	5.00	Ø7.00	5.00	No	Parallel / Angular
1000	APP20110N3-A	Ø12.00	Ø10.00	5.00	Ø7.00	5.00	Yes	Parallel / Angular



Rotate Piston

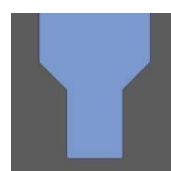


Side View



Upper View

Gate Style



Parallel

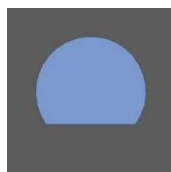


Conical

Non Rotate Piston

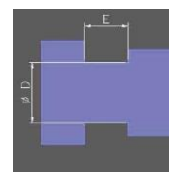


Side View



Upper View

Undercut Detail





polimold

Turn To The Industry Experts

