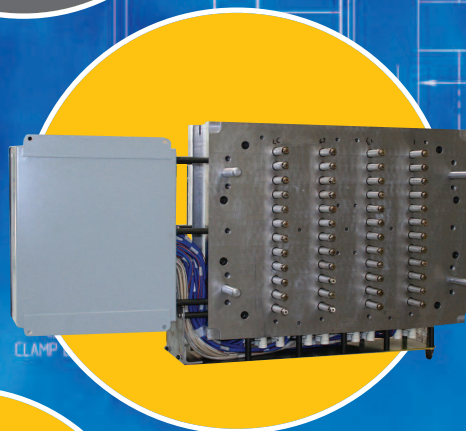
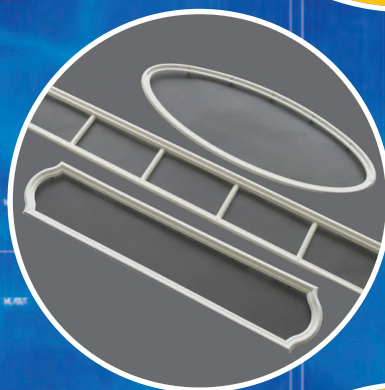


OSCO[®] inc.

RUNNERLESS MOLDING SYSTEMS

Hot Drops for Manifold Applications



Where Innovation Flows



Proudly Made in the USA

Hot Drops for Manifold Applications

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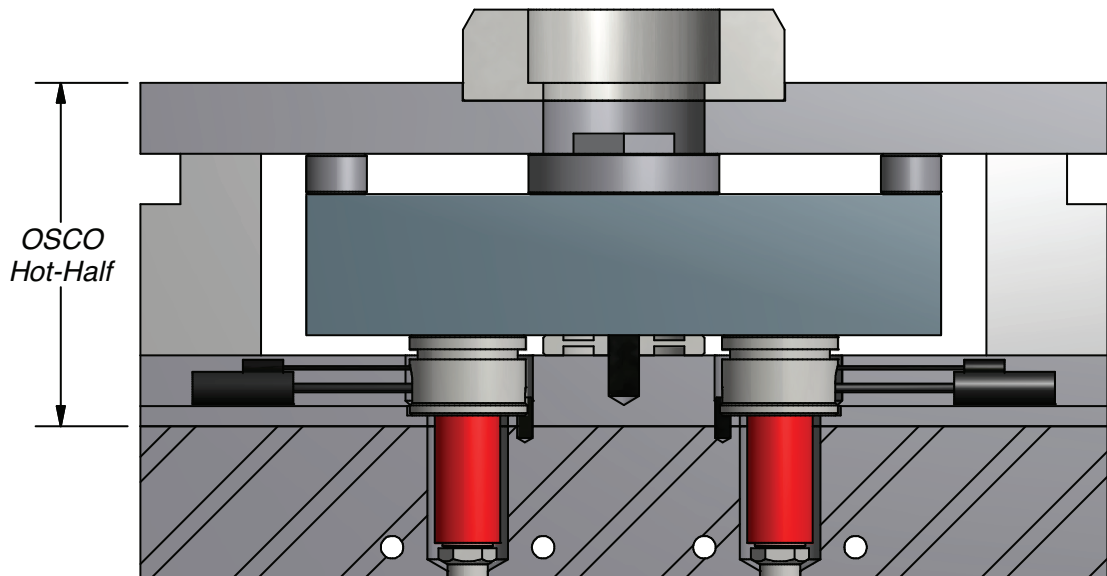
Hot Drops for Manifold Applications

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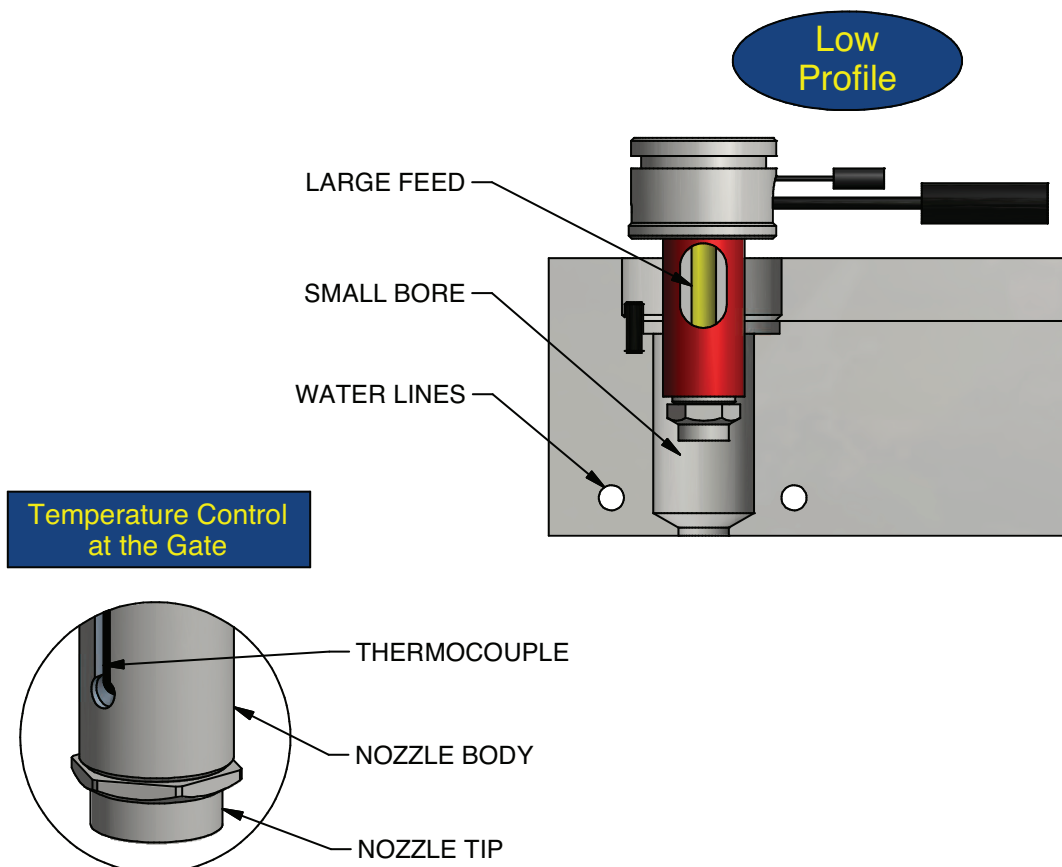
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Manifold Application Drops

OSCO Manifold systems are engineered to meet the ongoing needs of the plastic molding industry.

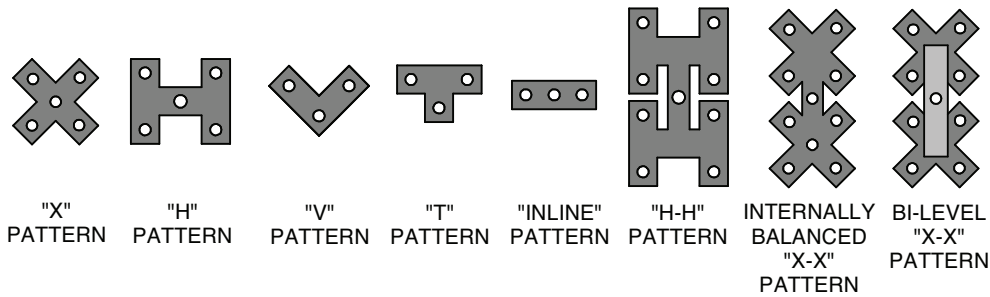


Anatomy of a Better Nozzle



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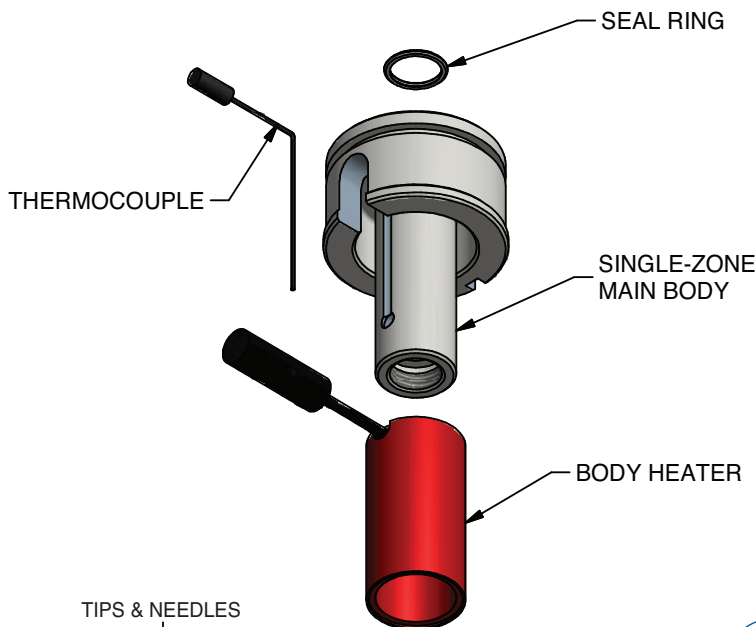
Design Versatility



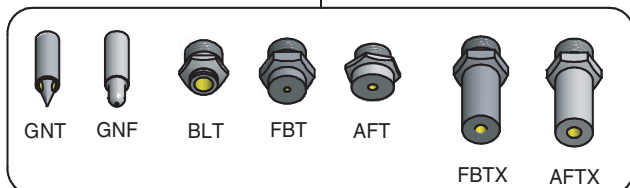
Interface Options



Field Serviceable

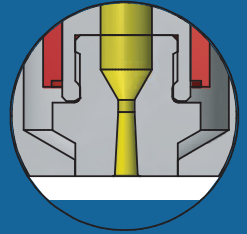


TIPS & NEEDLES

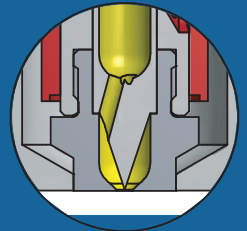


**STANDARD
COMPONENTS
IN STOCK**

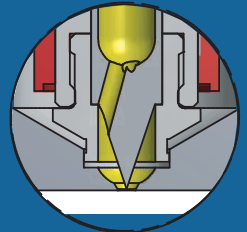
Tip Styles



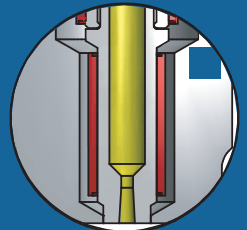
Absolute Flow



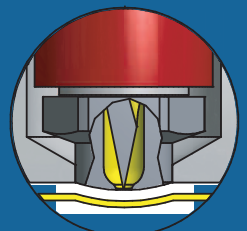
Full Body



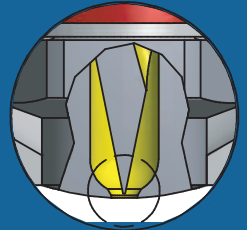
Body Less



LPT - Low Profile



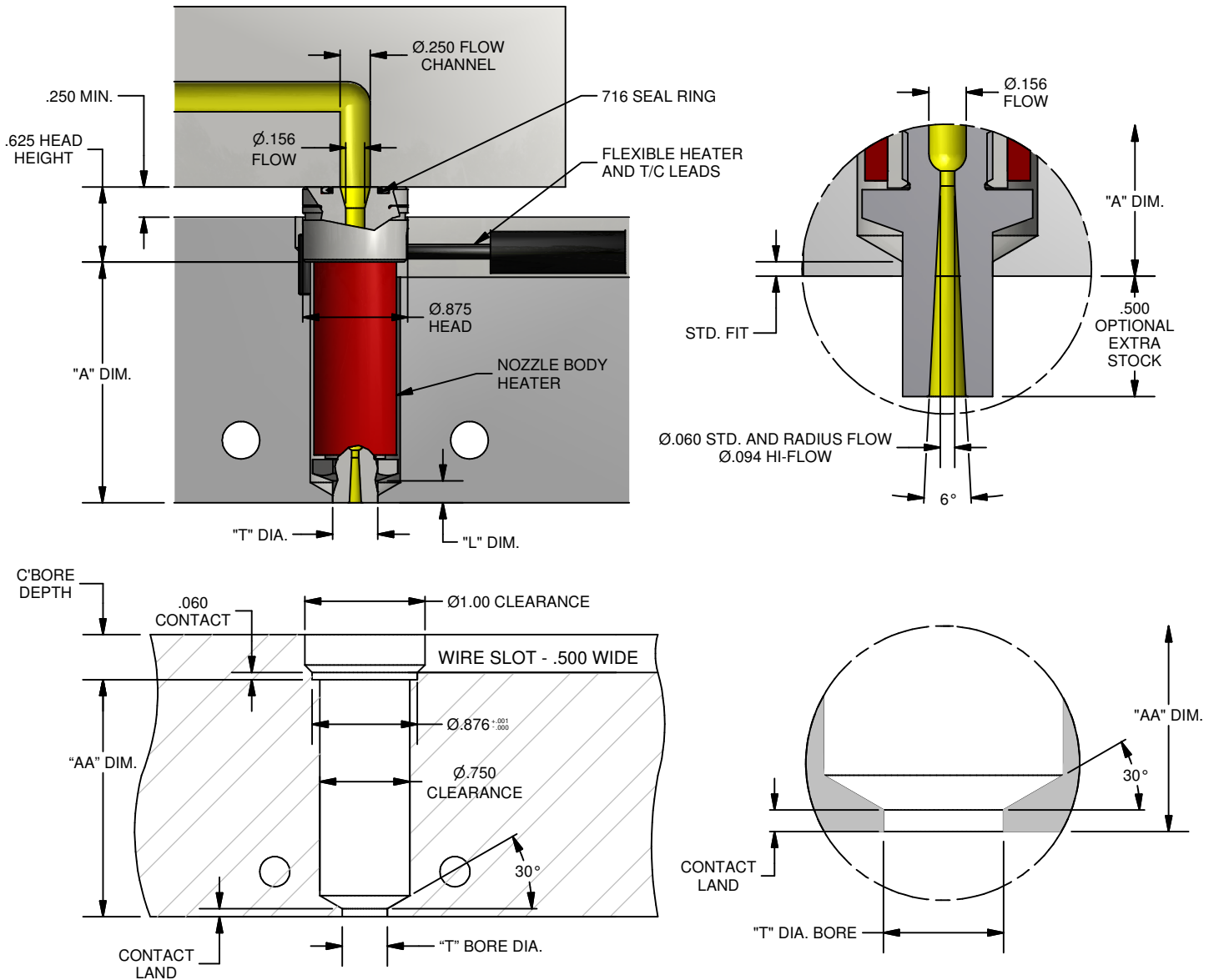
RGT - Recessed Gate



AFM-20-CVT

ABSOLUTE FLOW MANIFOLD APPLICATION NOZZLE SYSTEM, "AFM" SERIES 20

NOZZLE DESCRIPTION: The "AFM" Absolute Flow Nozzle is designed for use with an OSCO designed manifold system. The "AFM" is engineered to feed directly into the part or runner with an unrestricted channel, permitting faster fills and better quality molded parts. It is an ideal choice when a small sprue vestige and the nozzle tip "T" diameter witness is allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
AFM-0215	1.500
AFM-0220	2.000
AFM-0225	2.500
AFM-0230	3.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Resin to be processed

Note: If your specific application requires special sizes and/or lengths, please contact OSCO.

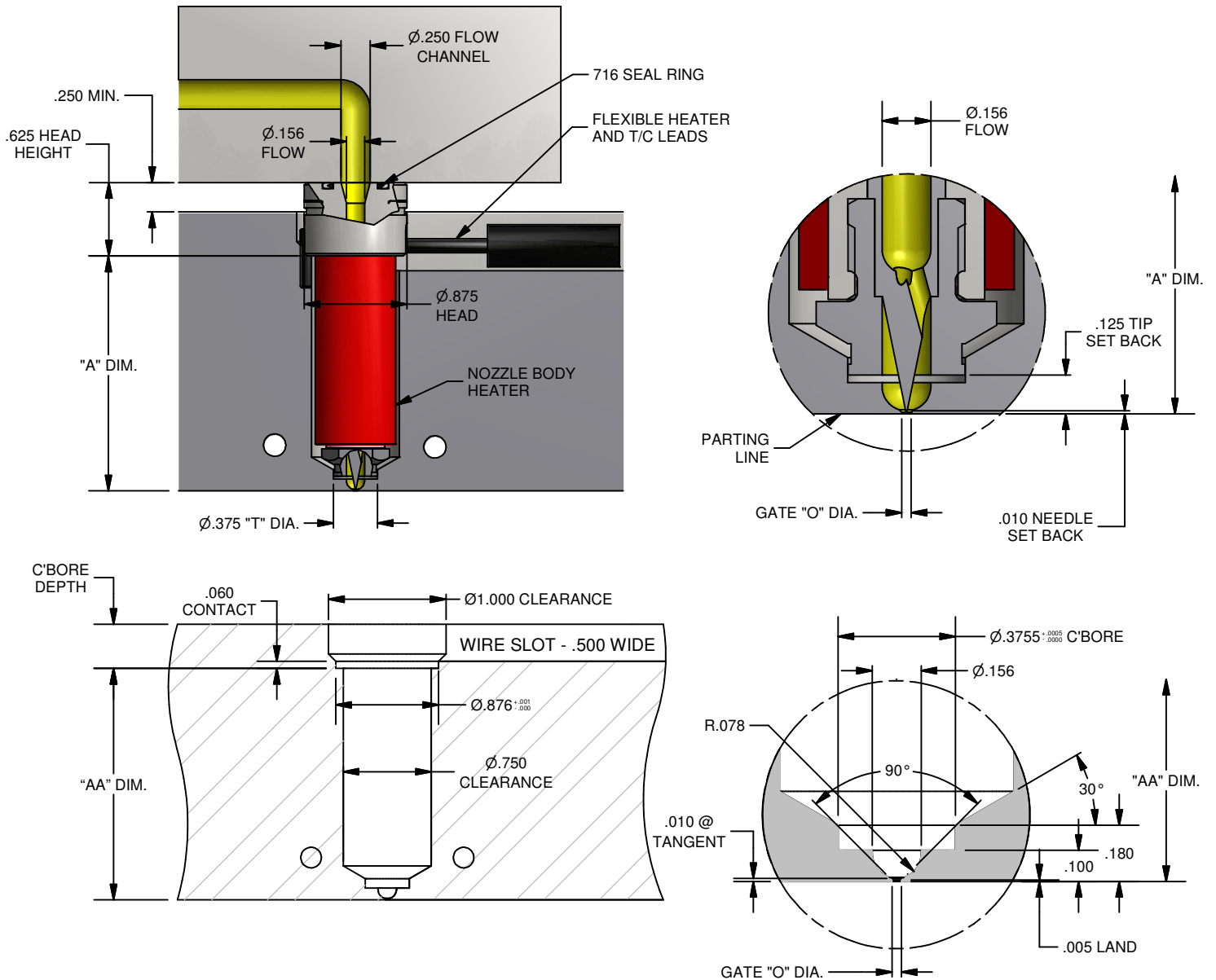
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.375	.182"	Ø.3755	.060"
Ø.500	.182"	Ø.5005	.080"
Ø.750	.182"	Ø.7505	.080"

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

BODY LESS MANIFOLD APPLICATION NOZZLE SYSTEM, "BLM" SERIES 20

NOZZLE DESCRIPTION: The "BLM" Body Less Nozzle is designed for use with an OSCO designed manifold system. The "BLM" is engineered to feed directly into the part. It is an ideal choice when a small gate vestige is required and the circular nozzle tip witness is not allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)

HOW TO ORDER

CATALOG #	"A" DIM.
BLM-0215	1.500
BLM-0220	2.000
BLM-0225	2.500
BLM-0230	3.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- Gate "O" Diameter
- Resin to be processed

GATE "O" *	
MIN.	Ø.030
MAX.	Ø.060

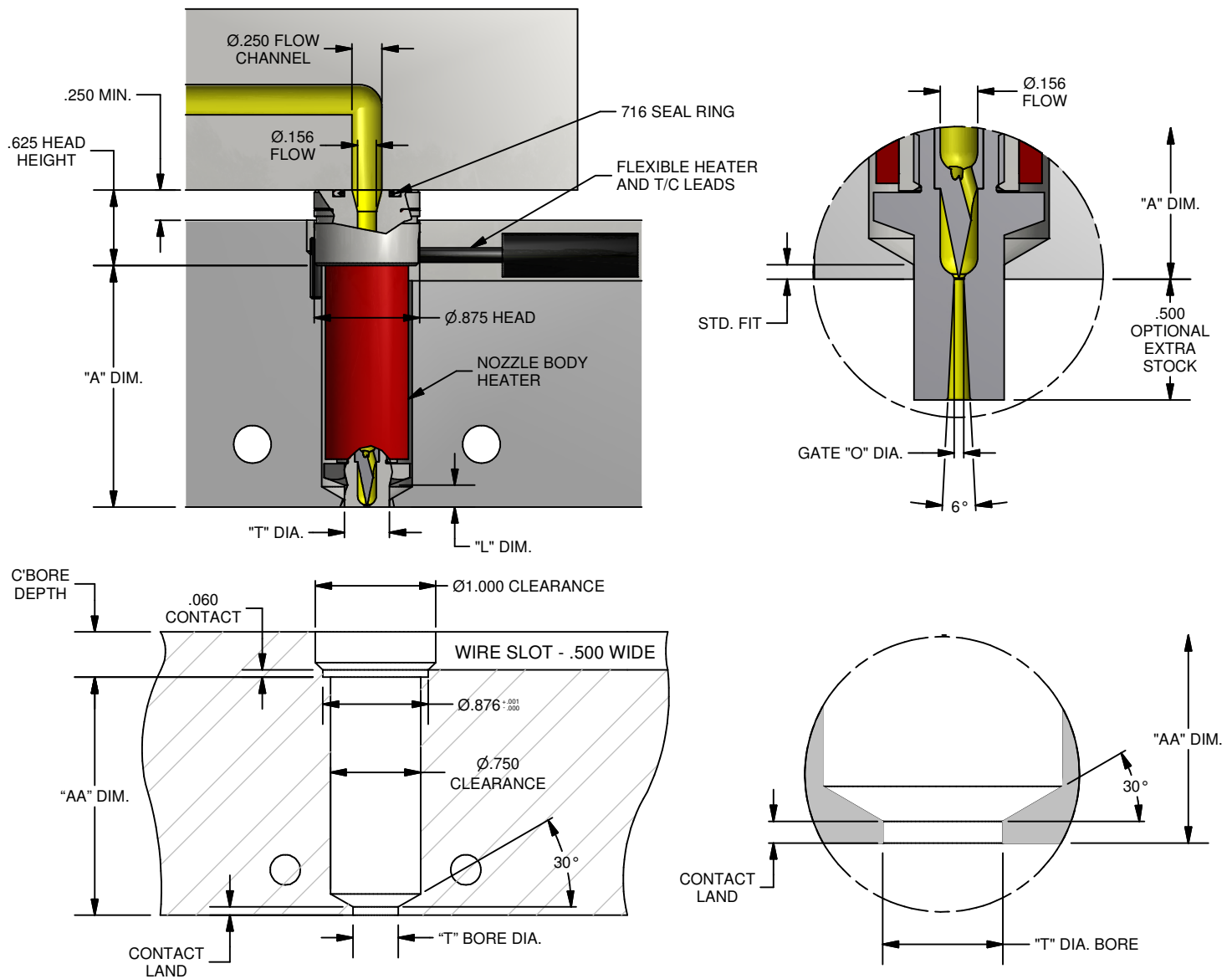
NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

FBM-20-CVT

FULL BODY MANIFOLD APPLICATION NOZZLE SYSTEM, "FBM" SERIES 20

NOZZLE DESCRIPTION: The "FBM" Full Body Nozzle is designed for use with an OSCO designed manifold system. The "FBM" is engineered to feed directly into the part with an unrestricted channel. It is an ideal choice when a small gate vestige and the nozzle tip "T" diameter witness is allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
 EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
FBM-0215	1.500
FBM-0220	2.000
FBM-0225	2.500
FBM-0230	3.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

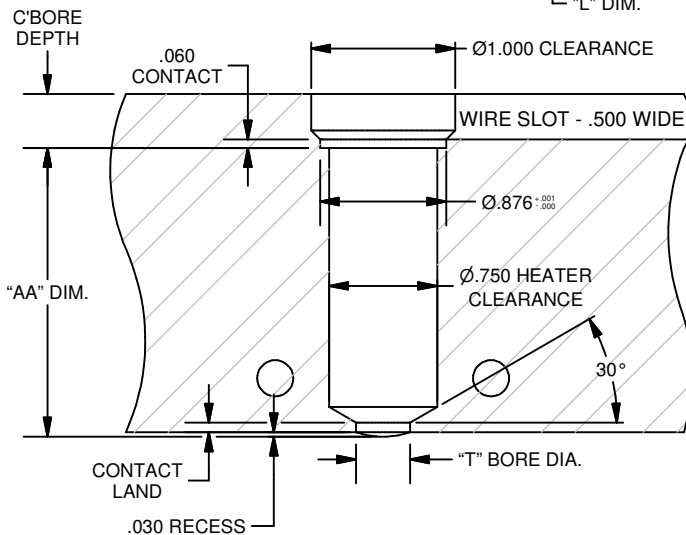
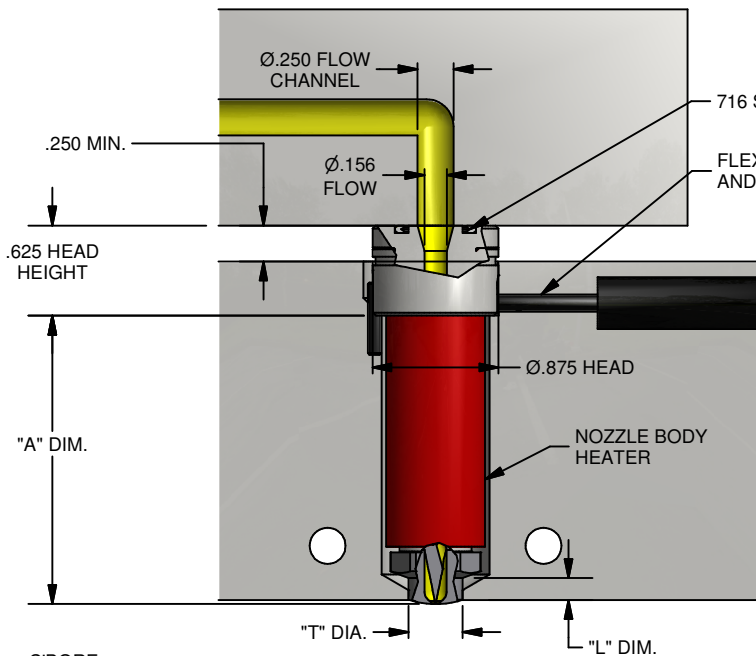
GATE "O"
04 = Ø.040
06 = Ø.060

TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.375	.182"	Ø.3755	.060"
Ø.500	.182"	Ø.5005	.080"
Ø.750	.182"	Ø.7505	.080"

NOTE: For sizes other than shown, please contact Osco Tech Service.

RECESSED GATE MANIFOLD APPLICATION NOZZLE SYSTEM, "RGM" SERIES 20

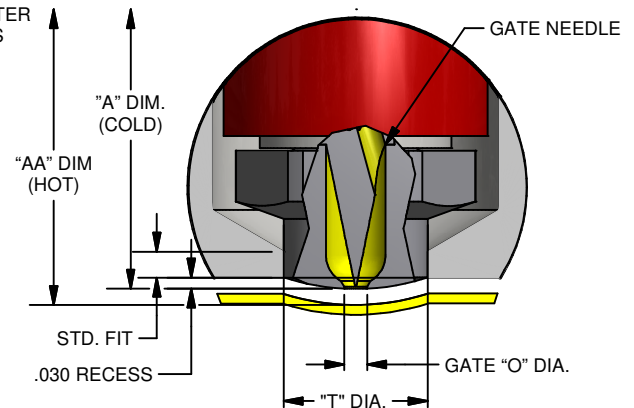
NOZZLE DESCRIPTION: The "RGM" Recessed Gate Molding Nozzle is designed for use with an OSCO designed manifold system. The "RGM" is engineered to feed directly into the molded part. It is an ideal choice when a small gate vestige is required and recessed below surface "A". Each Mold Nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



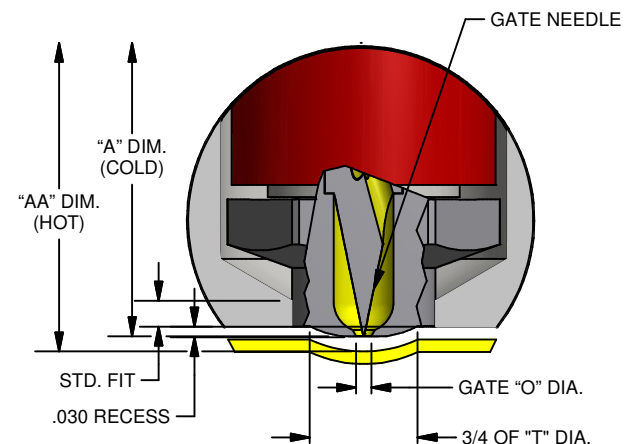
THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

FULL TIP RADIUS



FRACTIONAL TIP RADIUS



HOW TO ORDER

CATALOG #	"A" DIM.
RGM-0215	1.500
RGM-0220	2.000
RGM-0225	2.500
RGM-0230	3.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O"

04 = Ø.040
06 = Ø.060

TIP INFORMATION

BORING INFORMATION

"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.375	.182"	Ø.3755	.040 MIN.
Ø.500	.182"	Ø.5005	.040 MIN.
Ø.750	.182"	Ø.7505	.040 MIN.

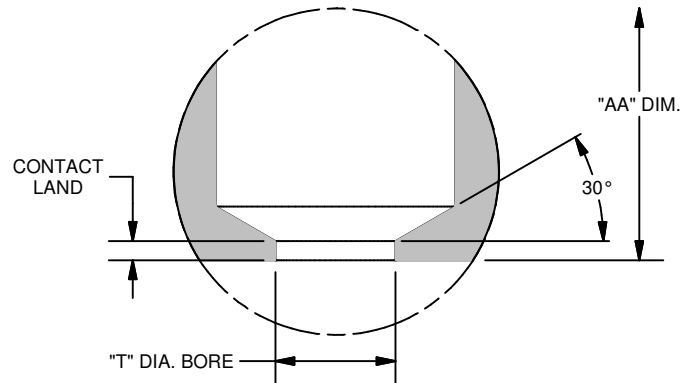
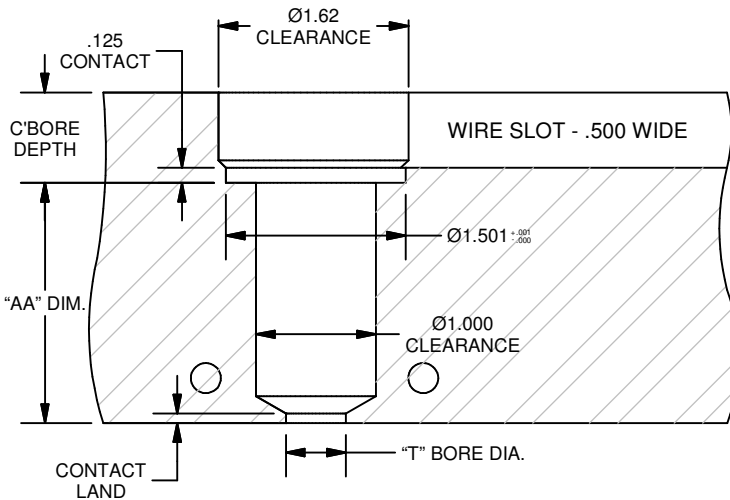
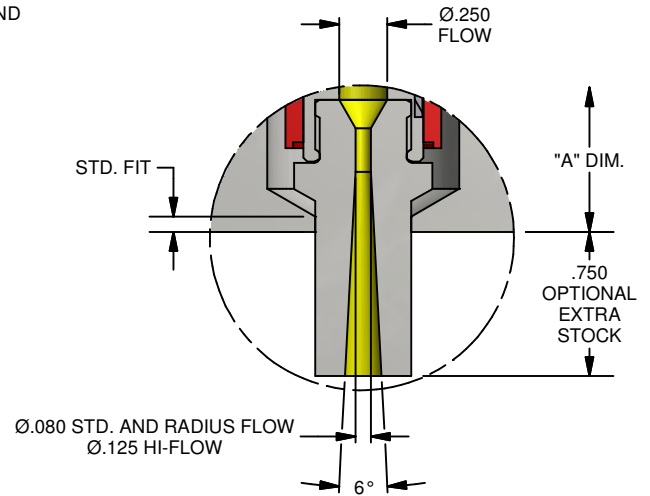
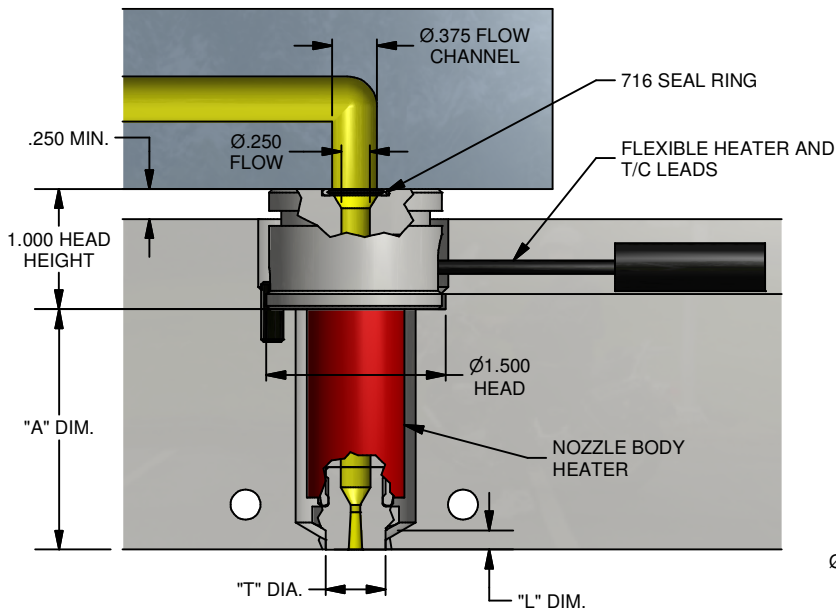
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

NOTE: For sizes other than shown, please contact Osco Tech Service.

AFM-50-CVT

ABSOLUTE FLOW MANIFOLD APPLICATION NOZZLE SYSTEM, "AFM" SERIES 50

NOZZLE DESCRIPTION: The "AFM" Absolute Flow Nozzle is designed for use with an OSCO designed manifold system. The "AFM" is engineered to feed directly into the part or runner with an unrestricted channel, permitting faster fills and better quality molded parts. It is an ideal choice when a small sprue vestige and the nozzle tip "T" diameter witness is allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
AFM-0520	2.000
AFM-0525	2.500
AFM-0530	3.000
AFM-0535	3.500
AFM-0540	4.000
AFM-0545	4.500
AFM-0550	5.000
AFM-0560	6.000

Specify:

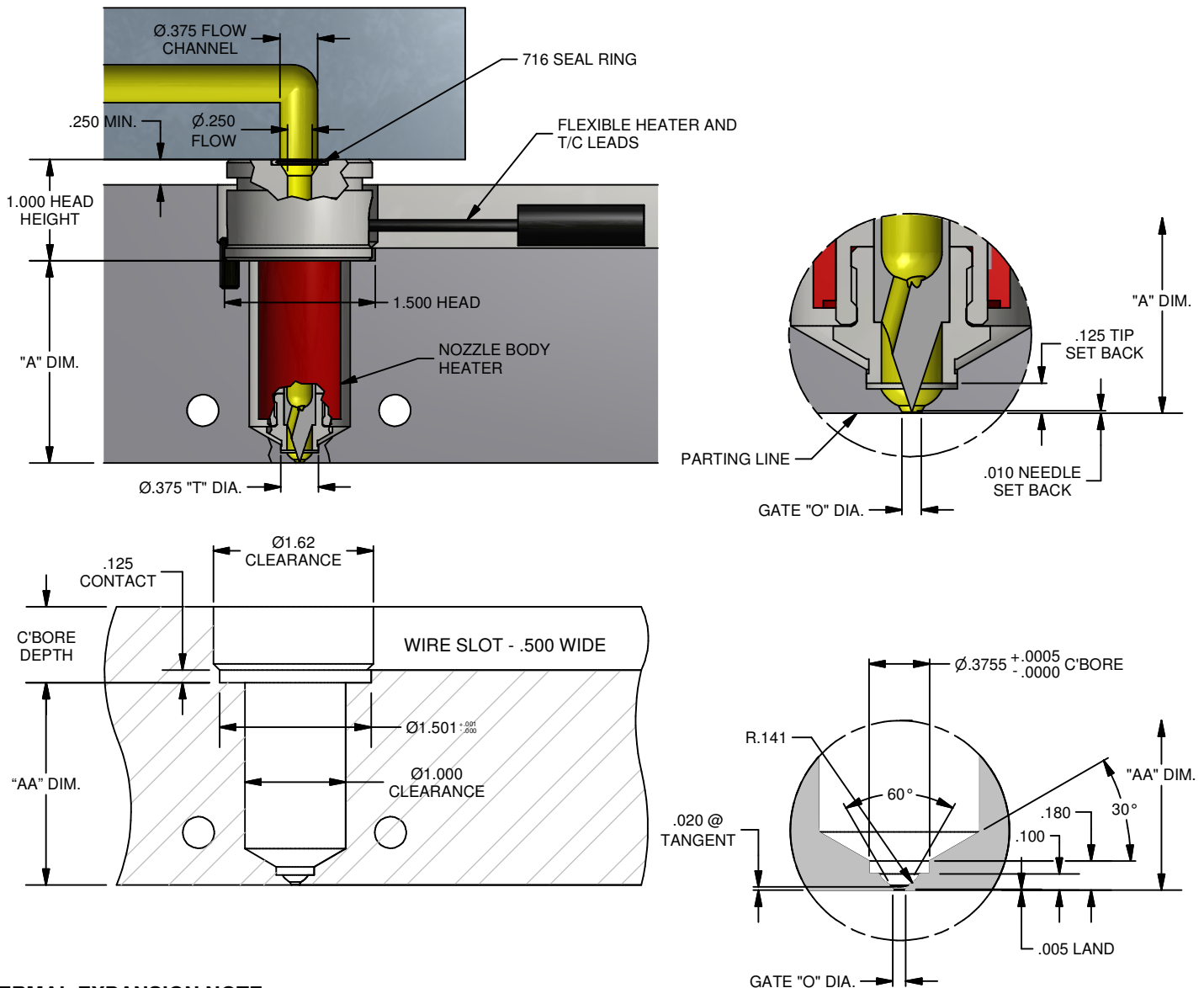
- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Resin to be processed

TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. BORE	CONTACT LAND
Ø.500	.160	Ø.5005	.080
Ø.750	.150	Ø.7505	.150
Ø1.000	.150	Ø1.0005	.150

NOTE: For sizes other than shown, please contact Osco Tech Service.

BODY LESS MANIFOLD APPLICATION NOZZLE SYSTEM, "BLM" SERIES 50

NOZZLE DESCRIPTION: The "BLM" Body Less Nozzle is designed for use with an OSCO designed manifold system. The "BLM" is engineered to feed directly into the part. It is an ideal choice when a small gate vestige is required and the circular nozzle tip witness is not allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)

HOW TO ORDER

CATALOG #	"A" DIM.
BLM-0520	2.000
BLM-0525	2.500
BLM-0530	3.000
BLM-0535	3.500
BLM-0540	4.000
BLM-0545	4.500
BLM-0550	5.000
BLM-0560	6.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER *	
MIN.	Ø.040
MAX.	Ø.080

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

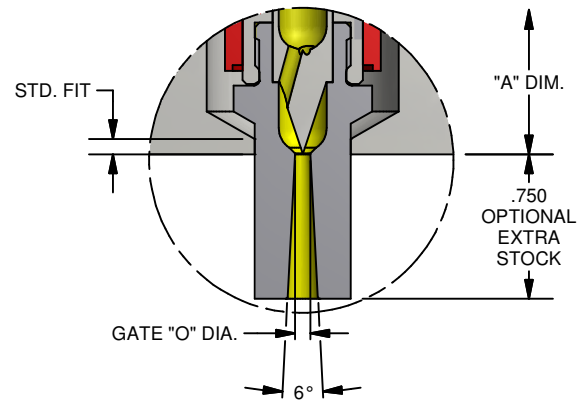
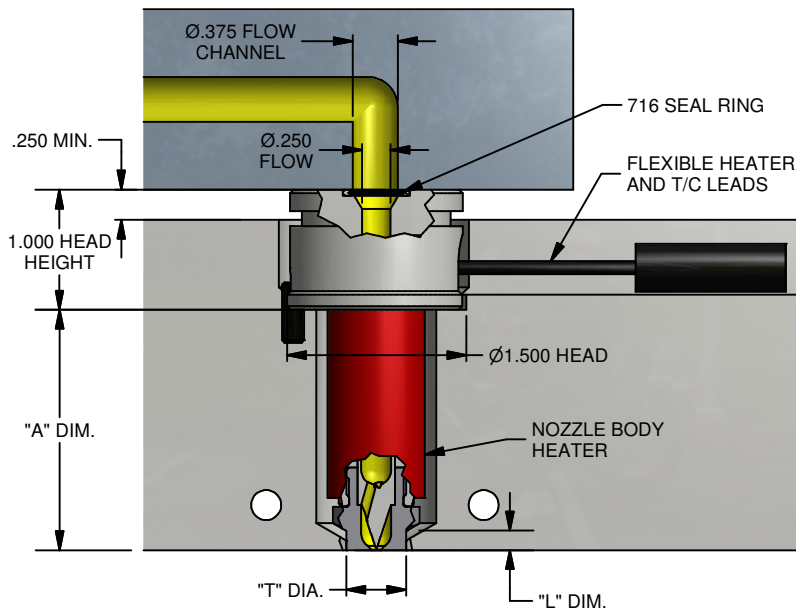
NOTE: For sizes other than shown, please contact Osco Tech Service.

FBM-50-CVT

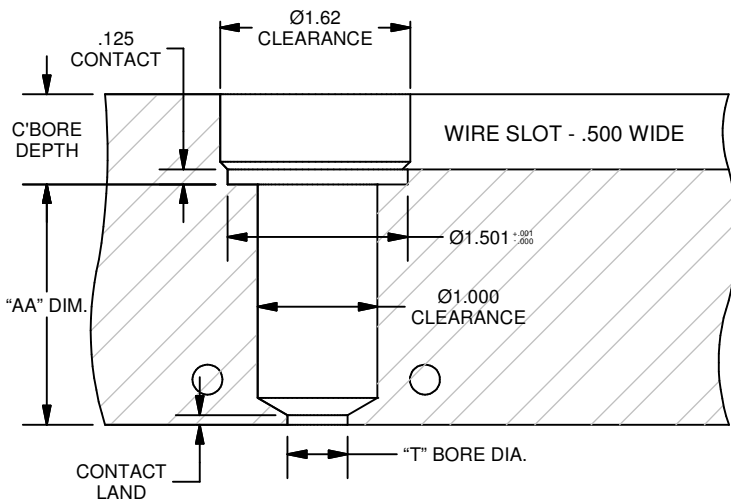
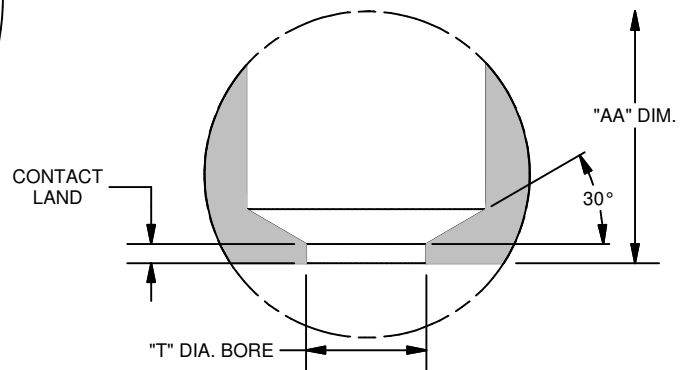
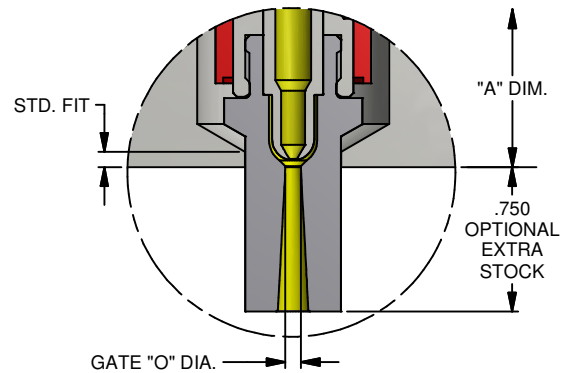
FULL BODY MANIFOLD APPLICATION NOZZLE SYSTEM, "FBM" SERIES 50

NOZZLE DESCRIPTION: The "FBM" Full Body Nozzle is designed for use with an OSCO designed manifold system.

The "FBM" is engineered to feed directly into the part with an unrestricted channel. It is an ideal choice when a small gate vestige and the nozzle tip "T" diameter witness is allowable.



FLOW-THRU NEEDLE



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION

EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
FBM-0520	2.000
FBM-0525	2.500
FBM-0530	3.000
FBM-0535	3.500
FBM-0540	4.000
FBM-0545	4.500
FBM-0550	5.000
FBM-0560	6.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER
04 = Ø.040
06 = Ø.060
08 = Ø.080

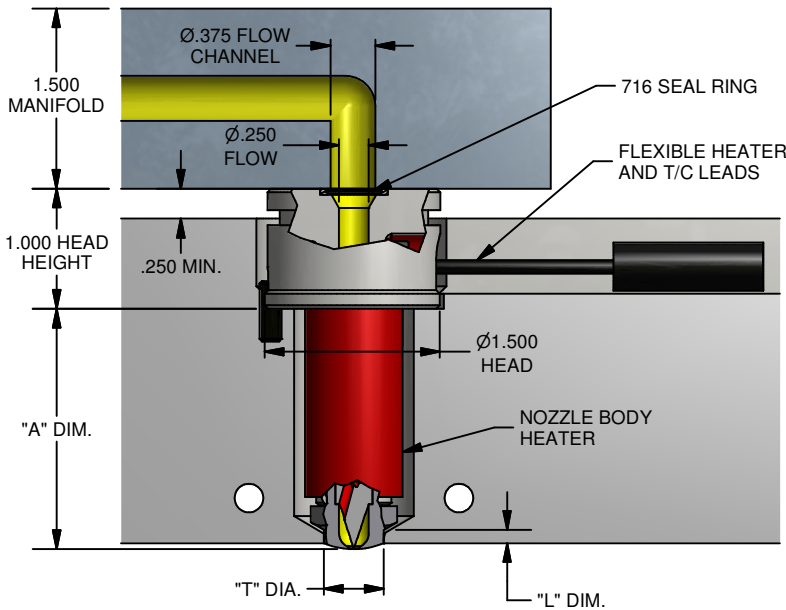
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.500	.160	Ø.5005	.080
Ø.750	.160	Ø.7505	.150
Ø1.000	.150	Ø1.0005	.150

NOTE: For sizes other than shown, please contact Osco Tech Service.

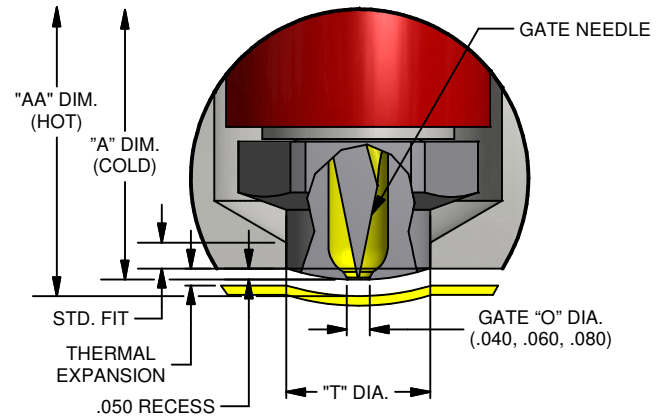
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

RECESSED GATE MANIFOLD APPLICATION NOZZLE SYSTEM, "RGM" SERIES 50

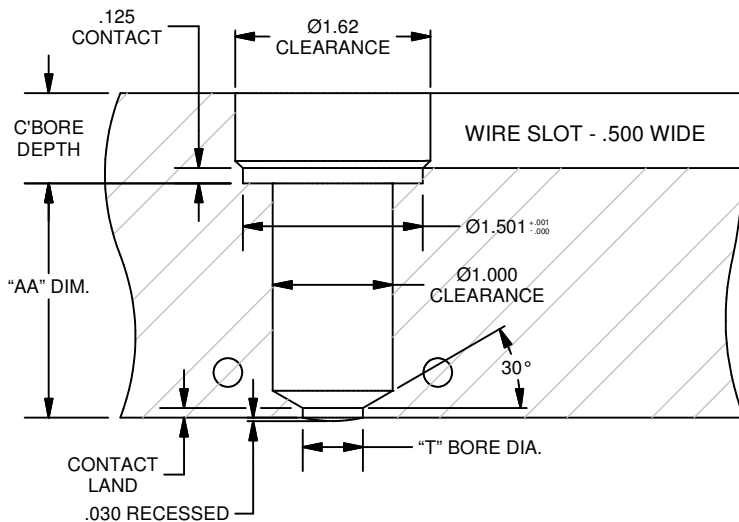
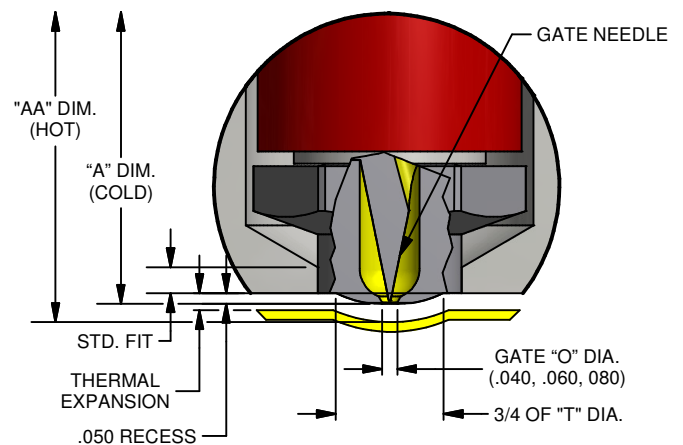
NOZZLE DESCRIPTION: The "RGM" Recessed Gate Molding Nozzle is designed for use with an OSCO designed manifold system. The "RGM" is engineered to feed directly into the molded part. It is an ideal choice when a small gate vestige is required and recessed below surface "A". Each Mold Nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



FULL TIP RADIUS



FRACTIONAL TIP RADIUS



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
RGM-0520	2.000
RGM-0525	2.500
RGM-0530	3.000
RGM-0535	3.500
RGM-0540	4.000
RGM-0545	4.500
RGM-0550	5.000
RGM-0560	6.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER
04 = Ø.040
06 = Ø.060
08 = Ø.080

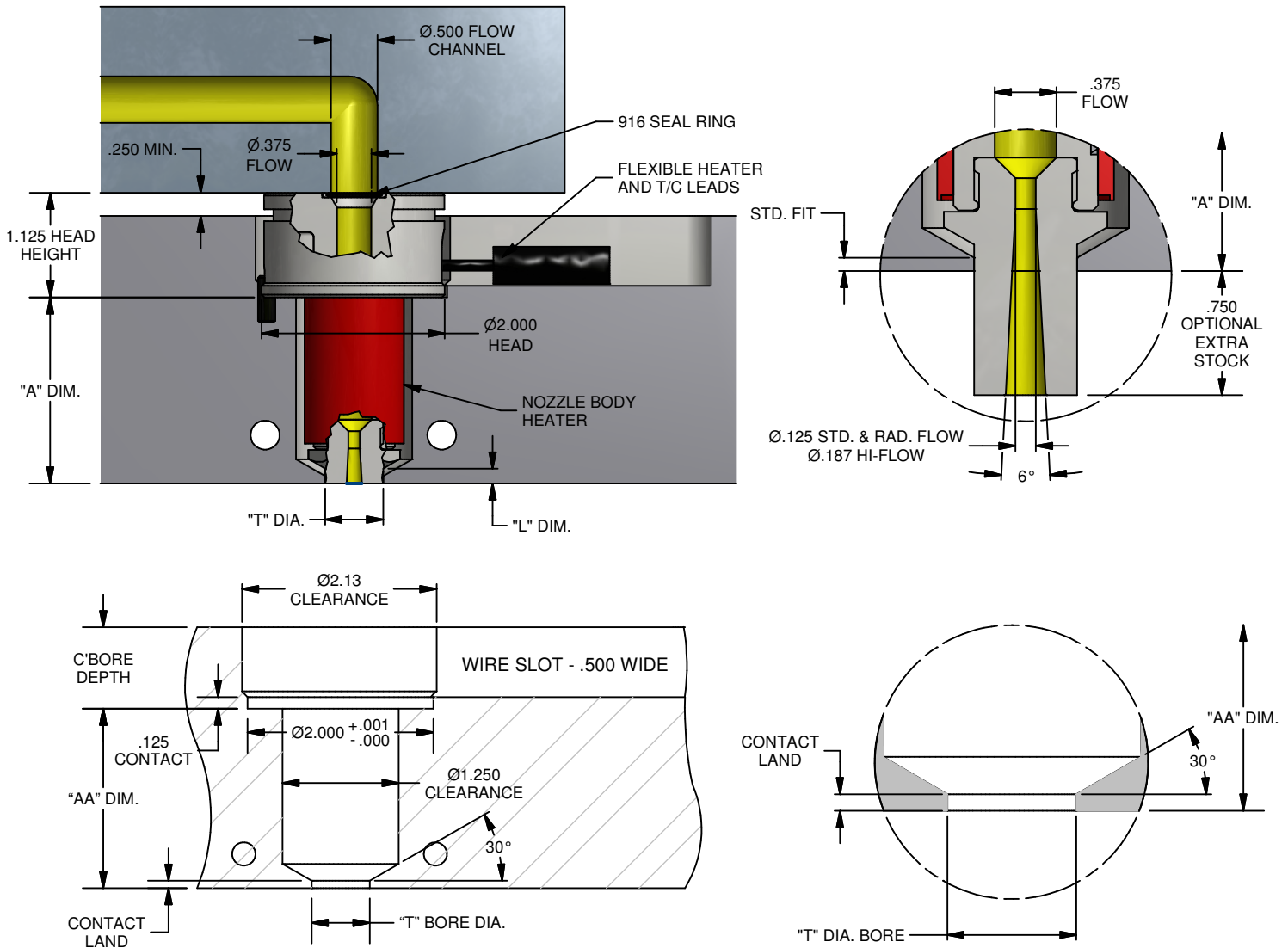
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.500	.160	Ø.5005	.040 MIN.
Ø.750	.160	Ø.7505	.040 MIN.
Ø1.000	.150	Ø1.0005	.040 MIN.

NOTE: For sizes other than shown, please contact Osco Tech Service.

AFM-100-CVT

ABSOLUTE FLOW MANIFOLD APPLICATION NOZZLE SYSTEM, "AFM" SERIES 100

NOZZLE DESCRIPTION: The "AFM" Absolute Flow Nozzle is designed for use with an OSCO designed manifold system. The "AFM" is engineered to feed directly into the part or runner with an unrestricted channel, permitting faster fills and better quality molded parts. It is an ideal choice when a small sprue vestige and the nozzle tip "T" diameter witness is allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
AFM-1020	2.000
AFM-1025	2.500
AFM-1030	3.000
AFM-1035	3.500
AFM-1040	4.000
AFM-1045	4.500
AFM-1050	5.000
AFM-1060	6.000
AFM-1070	7.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Resin to be processed

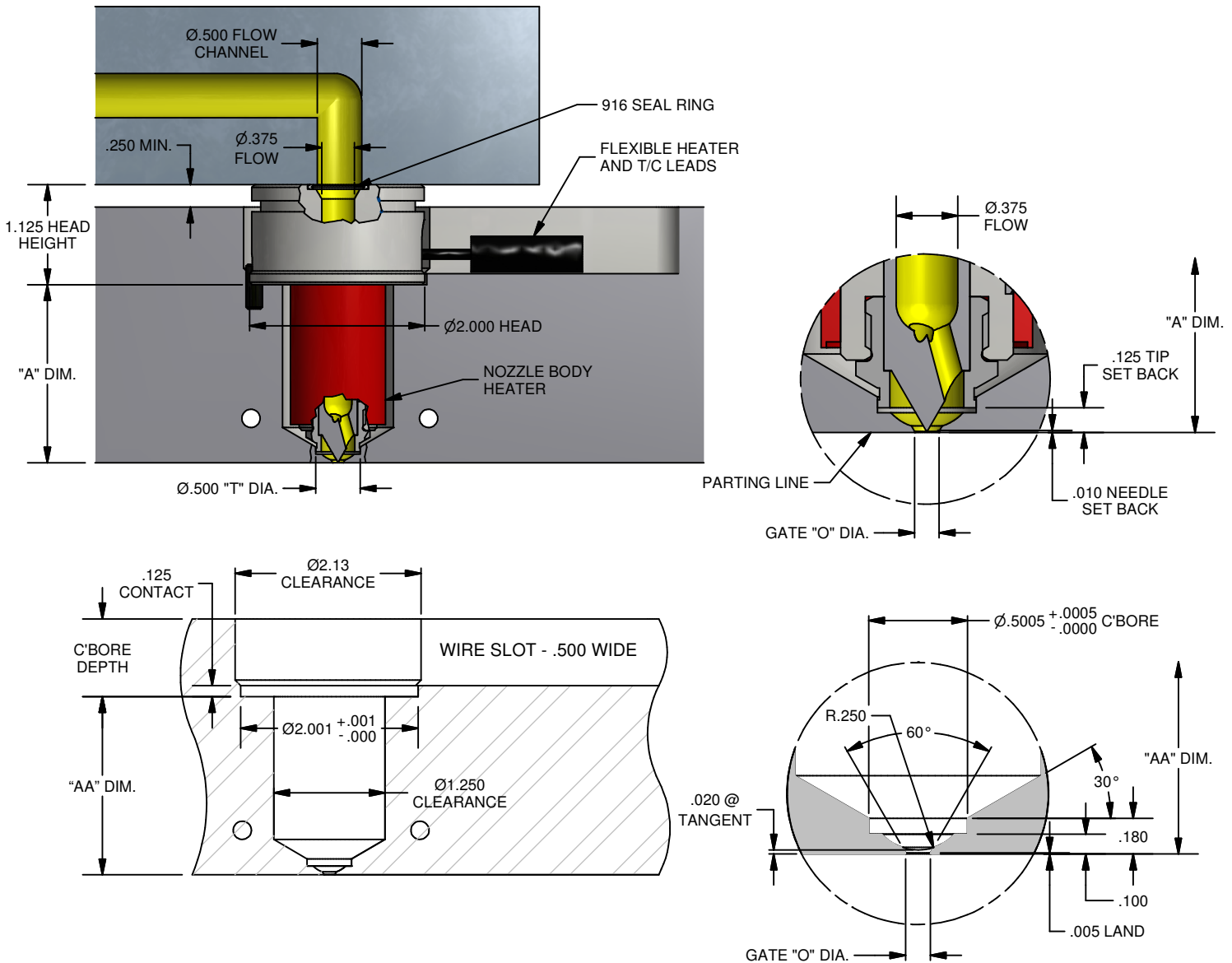
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.500	.125"	Ø.5005	.060"
Ø.750	.230"	Ø.7505	.080"
Ø1.000	.150"	Ø1.0005	.150"

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

BODY LESS MANIFOLD APPLICATION NOZZLE SYSTEM, "BLM" SERIES 100

NOZZLE DESCRIPTION: The "BLM" Body Less Nozzle is designed for use with an OSCO designed manifold system. The "BLM" is engineered to feed directly into the part. It is an ideal choice when a small gate vestige is required and the circular nozzle tip witness is not allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)

HOW TO ORDER

CATALOG #	"A" DIM.
BLM-1020	2.000
BLM-1025	2.500
BLM-1030	3.000
BLM-1035	3.500
BLM-1040	4.000
BLM-1045	4.500
BLM-1050	5.000
BLM-1060	6.000
BLM-1070	7.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER *	
MIN.	Ø.050
MAX.	Ø.125

NOTE: For sizes other than shown, please contact Osco Tech Service.

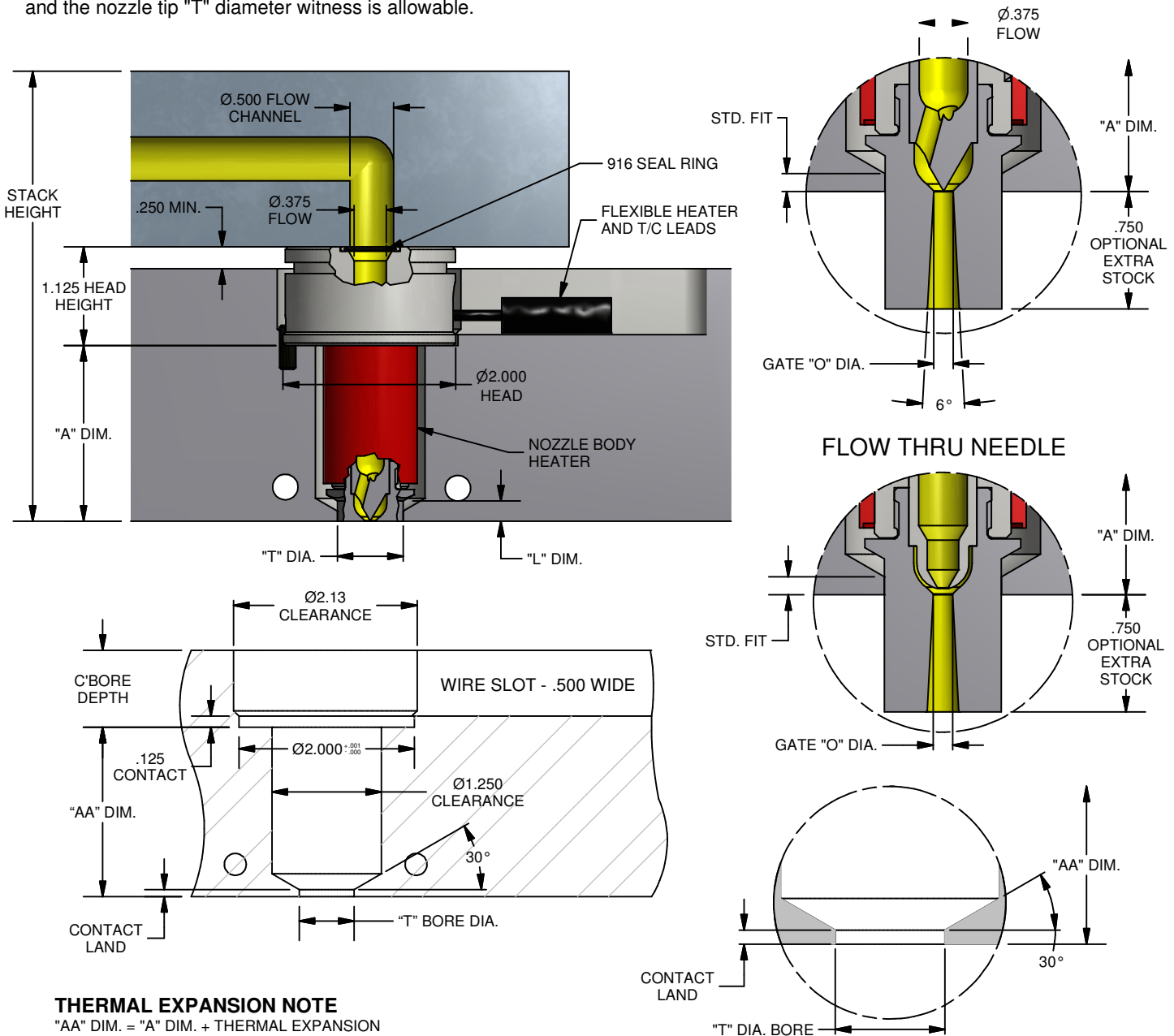
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

FBM-100-CVT

FULL BODY MANIFOLD APPLICATION NOZZLE SYSTEM, "FBM" SERIES 100

NOZZLE DESCRIPTION: The "FBM" Full Body Nozzle is designed for use with an OSCO designed manifold system.

The "FBM" is engineered to feed directly into the part with an unrestricted channel. It is an ideal choice when a small gate vestige and the nozzle tip "T" diameter witness is allowable.



HOW TO ORDER

CATALOG #	"A" DIM.
FBM-1020	2.000
FBM-1025	2.500
FBM-1030	3.000
FBM-1035	3.500
FBM-1040	4.000
FBM-1045	4.500
FBM-1050	5.000
FBM-1060	6.000
FBM-1070	7.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER
05 = Ø.050
08 = Ø.080
12 = Ø.125

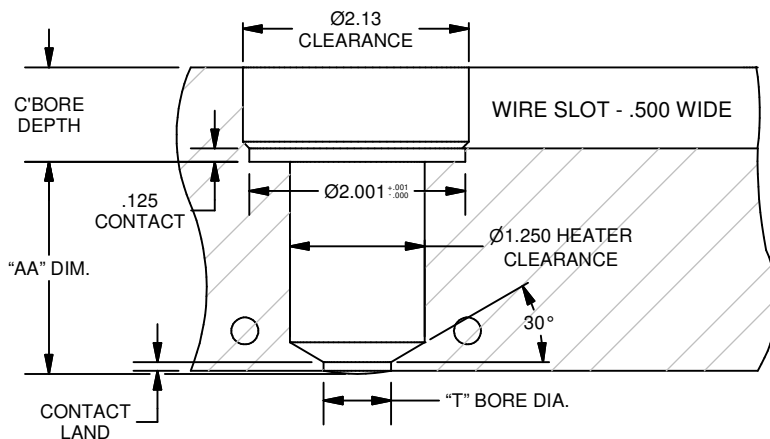
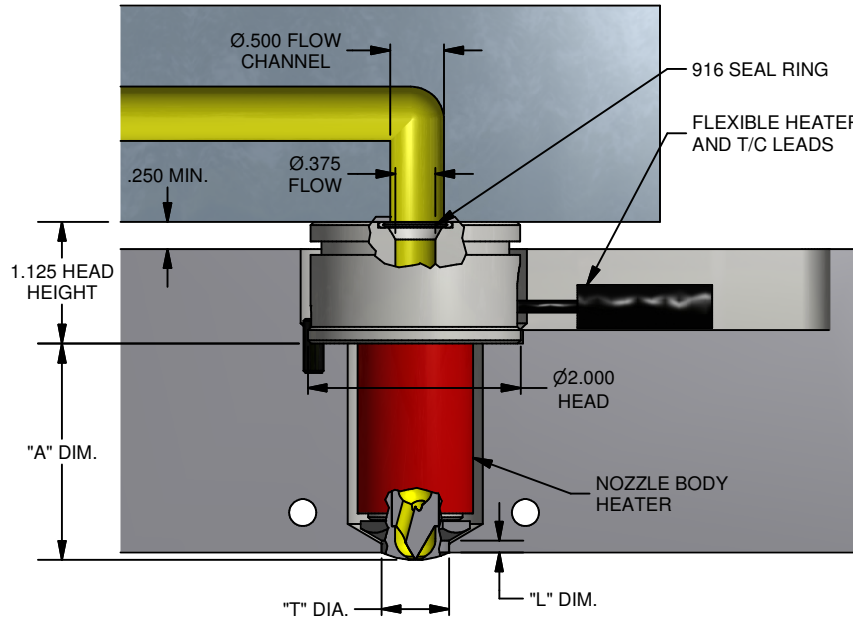
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. ±.0005 BORE -.0000	CONTACT LAND
Ø.500	.125	Ø.5005	.060
Ø.750	.230	Ø.7505	.080
Ø1.000	.150	Ø1.0005	.150

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

RECESSED GATE MANIFOLD APPLICATION NOZZLE SYSTEM, "RGM" SERIES 100

NOZZLE DESCRIPTION: The "RGM" Recessed Gate Molding Nozzle is designed for use with an OSCO designed manifold system. The "RGM" is engineered to feed directly into the molded part. It is an ideal choice when a small gate vestige is required and recessed below surface "A". Each Mold Nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.

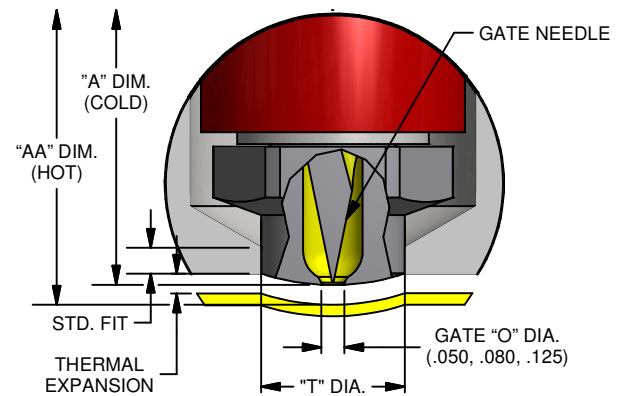


THERMAL EXPANSION NOTE

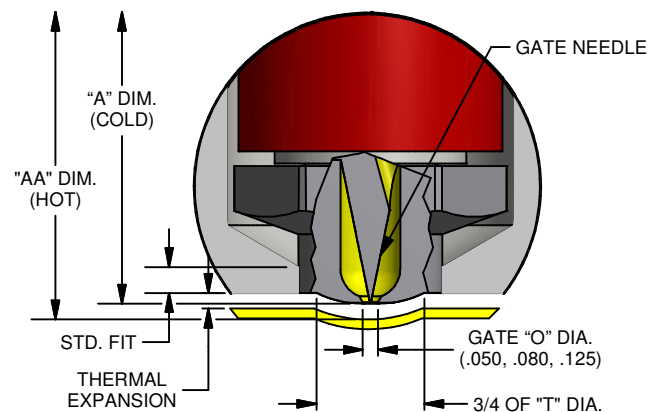
"AA" DIM. = "A" DIM. + THERMAL EXPANSION

EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

FULL TIP RADIUS



FRACTIONAL TIP RADIUS



HOW TO ORDER

CATALOG #	"A" DIM.
RGM-1020	2.000
RGM-1025	2.500
RGM-1030	3.000
RGM-1035	3.500
RGM-1040	4.000
RGM-1045	4.500
RGM-1050	5.000
RGM-1060	6.000
RGM-1070	7.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER
05 = Ø.050
08 = Ø.080
12 = Ø.125

TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.500	.125	Ø.5005	.040 MIN.
Ø.750	.230	Ø.7505	.040 MIN.
Ø1.000	.150	Ø1.0005	.040 MIN.

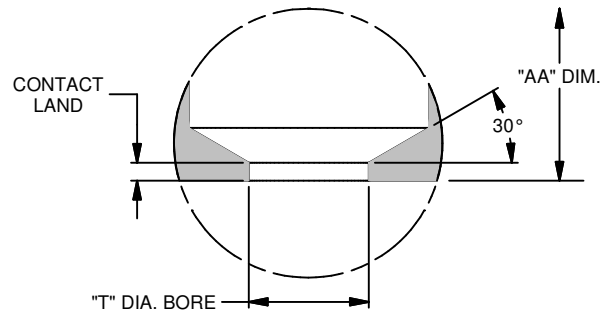
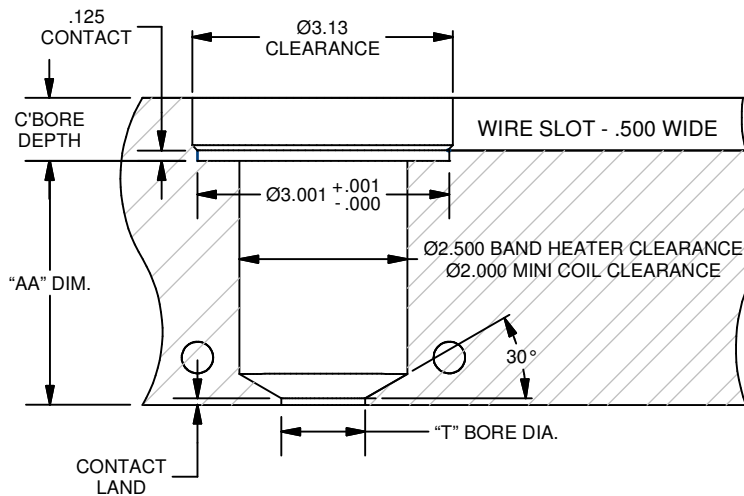
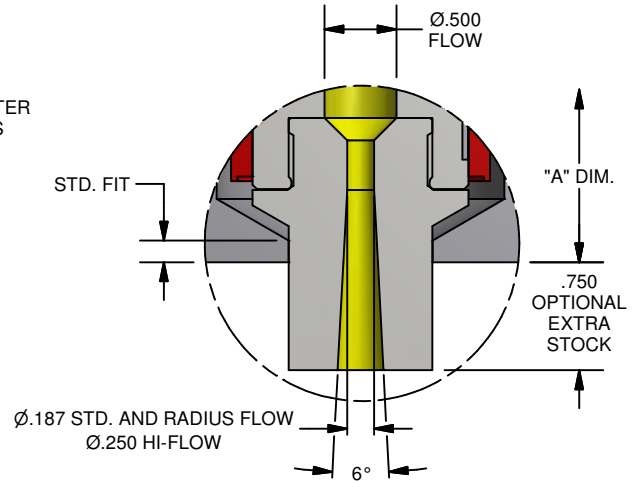
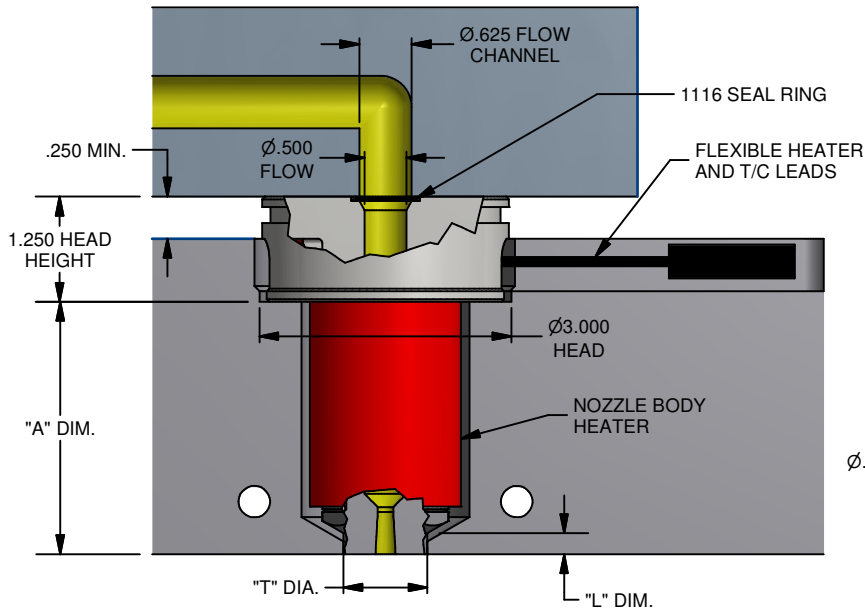
NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

AFM-200-CVT

ABSOLUTE FLOW MANIFOLD APPLICATION NOZZLE SYSTEM, "AFM" SERIES 200

NOZZLE DESCRIPTION: The "AFM" Absolute Flow Nozzle is designed for use with an OSCO designed manifold system. The "AFM" is engineered to feed directly into the part or runner with an unrestricted channel, permitting faster fills and better quality molded parts. It is an ideal choice when a small sprue vestige and the nozzle tip "T" diameter witness is allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
AFM-2030	3.000
AFM-2040	4.000
AFM-2050	5.000
AFM-2060	6.000
AFM-2070	7.000
AFM-2080	8.000
AFM-2090	9.000
AFM-2100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Resin to be processed

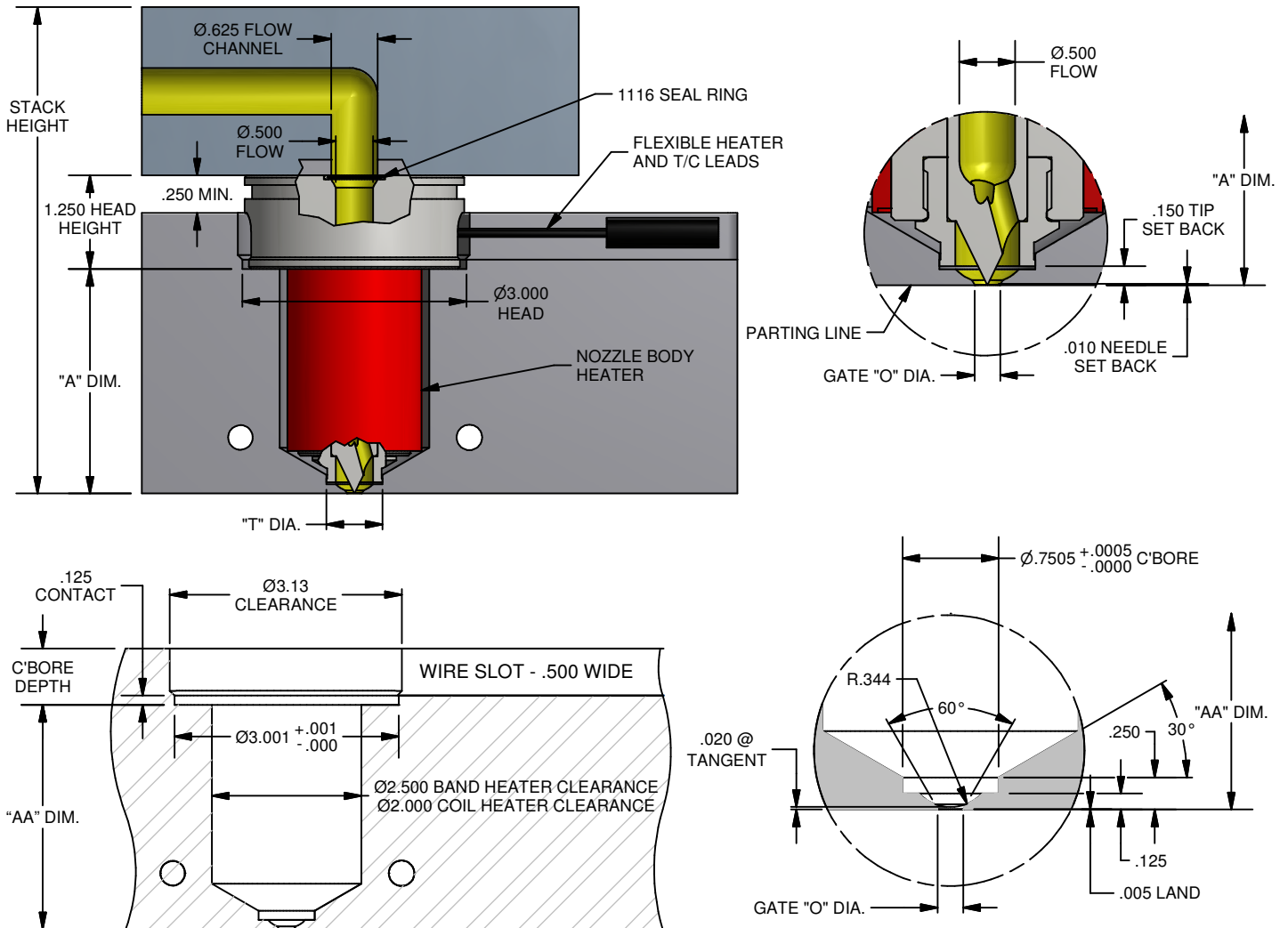
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. ±.0005 BORE -.0000	CONTACT LAND
Ø.750	.187"	Ø.7505	.100"
Ø1.000	.250"	Ø1.0005	.150"

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

BODY LESS MANIFOLD APPLICATION NOZZLE SYSTEM, "BLM" SERIES 200

NOZZLE DESCRIPTION: The "BLM" Body Less Nozzle is designed for use with an OSCO designed manifold system. The "BLM" is engineered to feed directly into the part. It is an ideal choice when a small gate vestige is required and the circular nozzle tip witness is not allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)

HOW TO ORDER

CATALOG #	"A" DIM.
BLM-2030	3.000
BLM-2040	4.000
BLM-2050	5.000
BLM-2060	6.000
BLM-2070	7.000
BLM-2080	8.000
BLM-2090	9.000
BLM-2100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER *	
MIN.	Ø.080
MAX.	Ø.200

NOTE: For sizes other than shown, please contact Osco Tech Service.

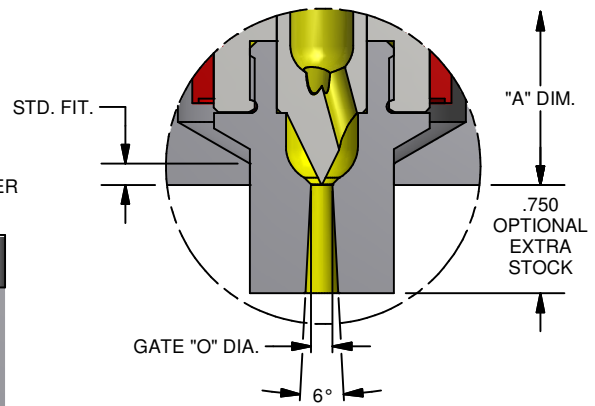
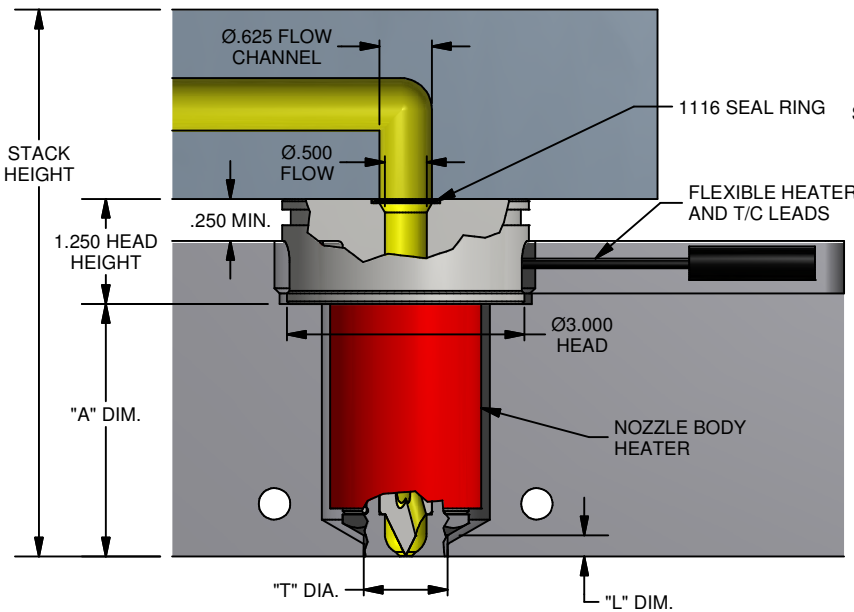
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

FBM-200-CVT

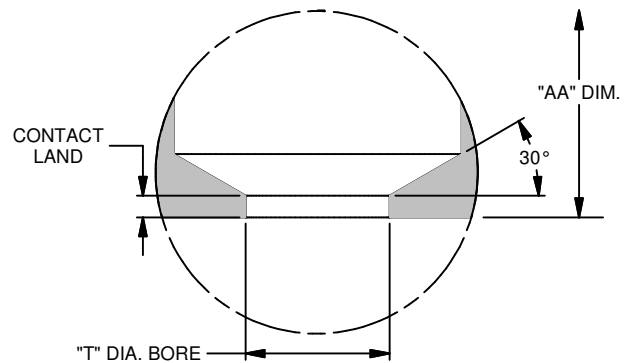
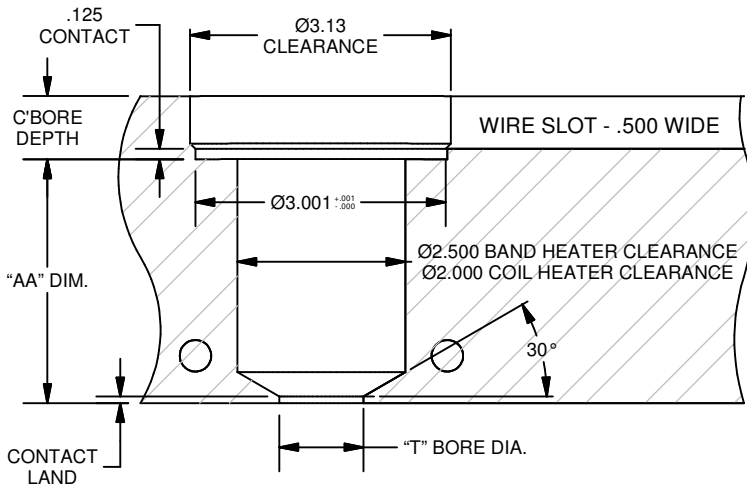
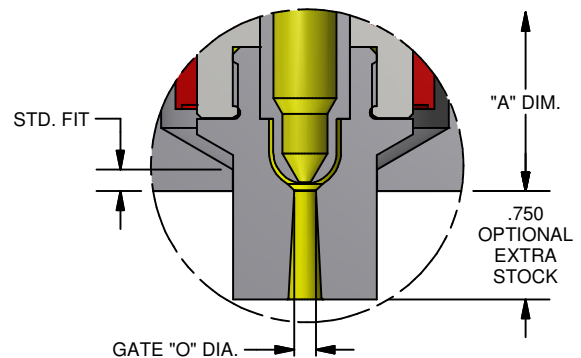
FULL BODY MANIFOLD APPLICATION NOZZLE SYSTEM, "FBM" SERIES 200

NOZZLE DESCRIPTION: The "FBM" Full Body Nozzle is designed for use with an OSCO designed manifold system.

The "FBM" is engineered to feed directly into the part with an unrestricted channel. It is an ideal choice when a small gate vestige and the nozzle tip "T" diameter witness is allowable.



FLOW THRU NEEDLE



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION

EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
FBM-2030	3.000
FBM-2040	4.000
FBM-2050	5.000
FBM-2060	6.000
FBM-2070	7.000
FBM-2080	8.000
FBM-2090	9.000
FBM-2100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER

12 = Ø.120

15 = Ø.150

TIP INFORMATION

"T" DIA. "L" DIM.

Ø.750 .187"

Ø1.000 .250"

BORING INFORMATION

"T" DIA. ±.0005 BORE -.0000 CONTACT LAND

Ø.7505 .100"

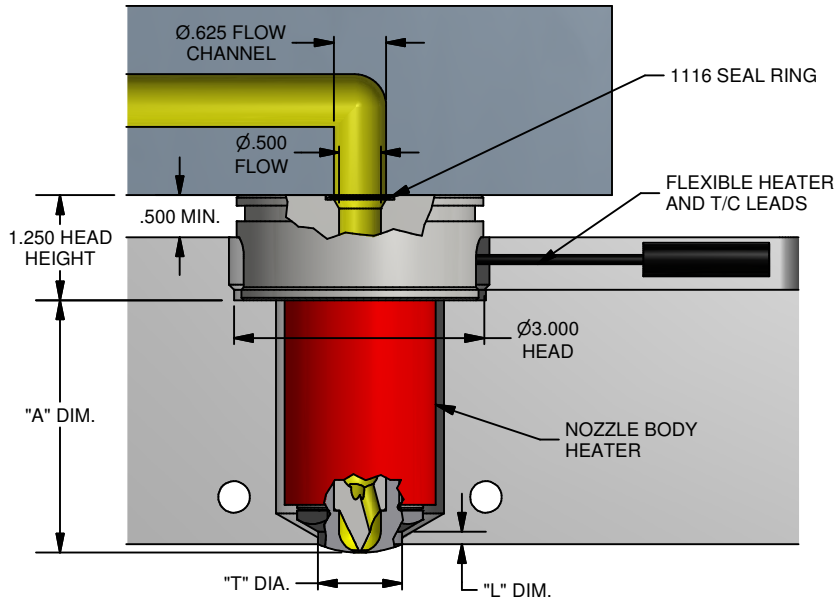
Ø1.0005 .150"

NOTE: For sizes other than shown, please contact Osco Tech Service.

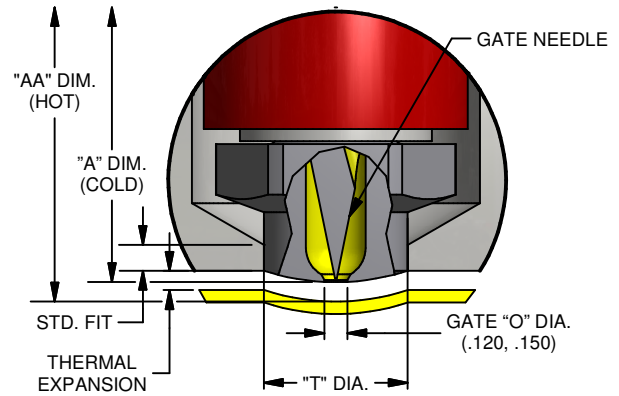
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

RECESSED GATE MANIFOLD APPLICATION NOZZLE SYSTEM, "RGM" SERIES 200

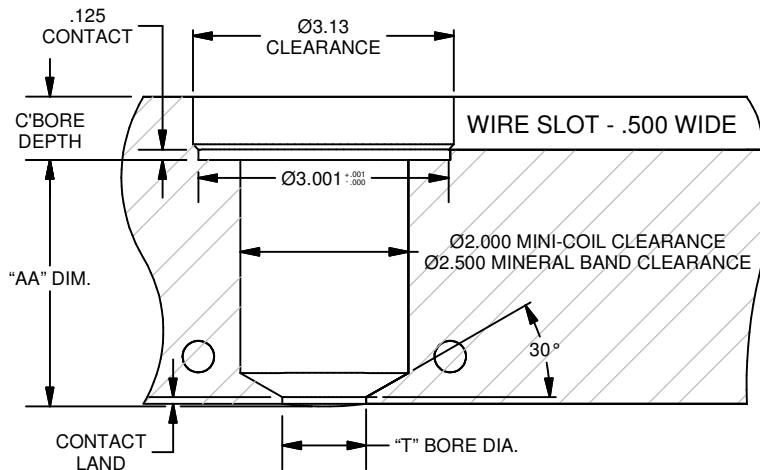
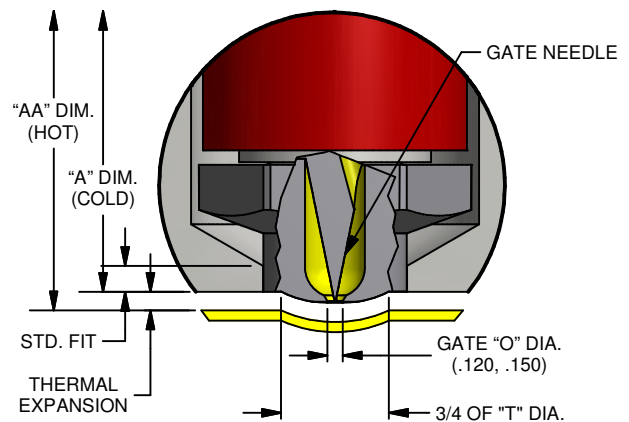
NOZZLE DESCRIPTION: The "RGM" Recessed Gate Molding Nozzle is designed for use with an OSCO designed manifold system. The "RGM" is engineered to feed directly into the molded part. It is an ideal choice when a small gate vestige is required and recessed below surface "A". Each Mold Nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



FULL TIP RADIUS



FRACTIONAL TIP RADIUS



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
RGM-2030	3.000
RGM-2040	4.000
RGM-2050	5.000
RGM-2060	6.000
RGM-2070	7.000
RGM-2080	8.000
RGM-2090	9.000
RGM-2100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIAMETER
12 = Ø.120
15 = Ø.150

TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.750	.187"	Ø.7505	.050 MIN.
Ø1.000	.250"	Ø1.0005	.050 MIN.

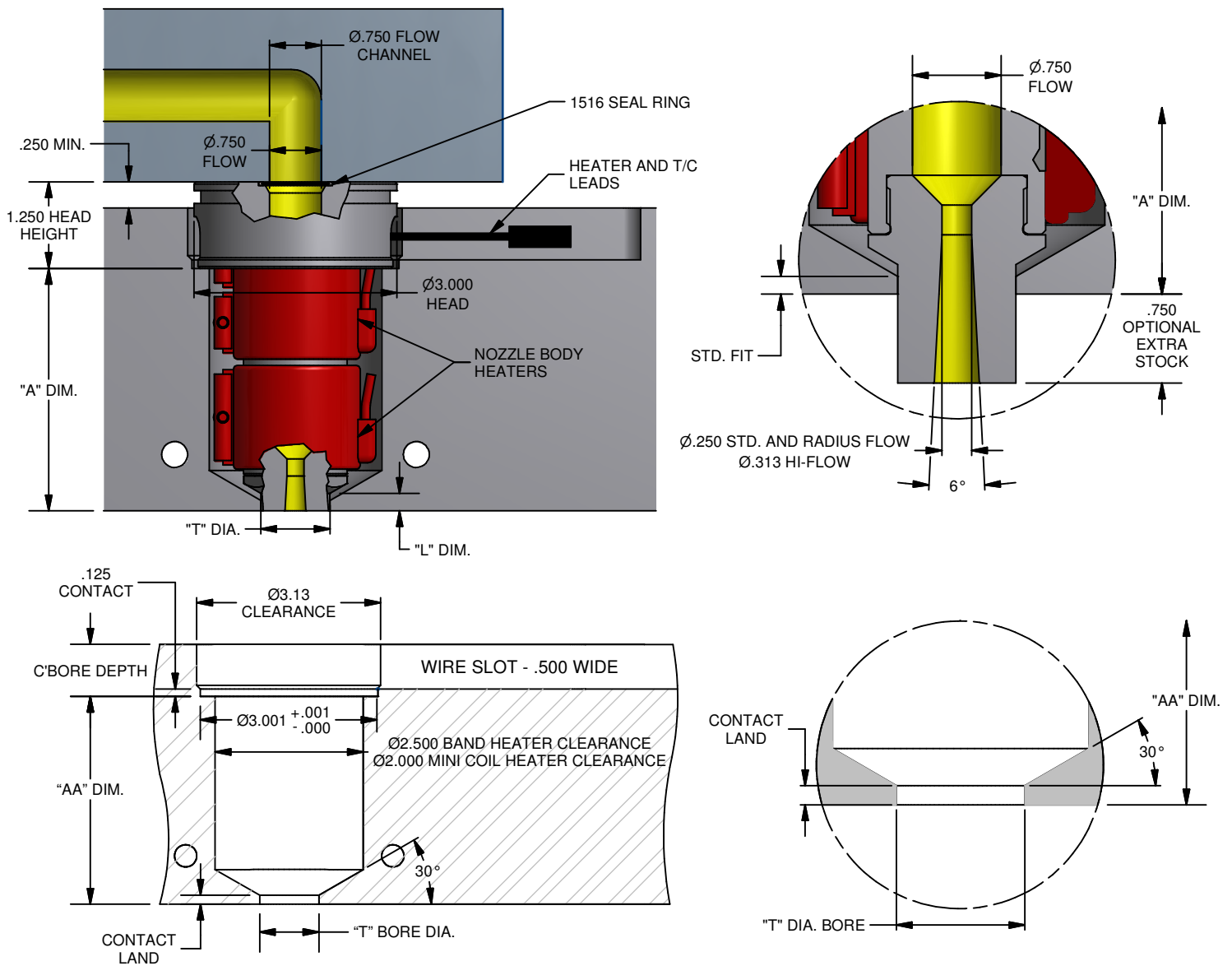
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

NOTE: For sizes other than shown, please contact Osco Tech Service.

AFM-300-CVT

ABSOLUTE FLOW MANIFOLD APPLICATION NOZZLE SYSTEM, "AFM" SERIES 300

NOZZLE DESCRIPTION: The "AFM" Absolute Flow Nozzle is designed for use with an OSCO designed manifold system. The "AFM" is engineered to feed directly into the part or runner with an unrestricted channel, permitting faster fills and better quality molded parts. It is an ideal choice when a small sprue vestige and the nozzle tip "T" diameter witness is allowable.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
AFM-3030	3.000
AFM-3040	4.000
AFM-3050	5.000
AFM-3060	6.000
AFM-3070	7.000
AFM-3080	8.000
AFM-3090	9.000
AFM-3100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Resin to be processed

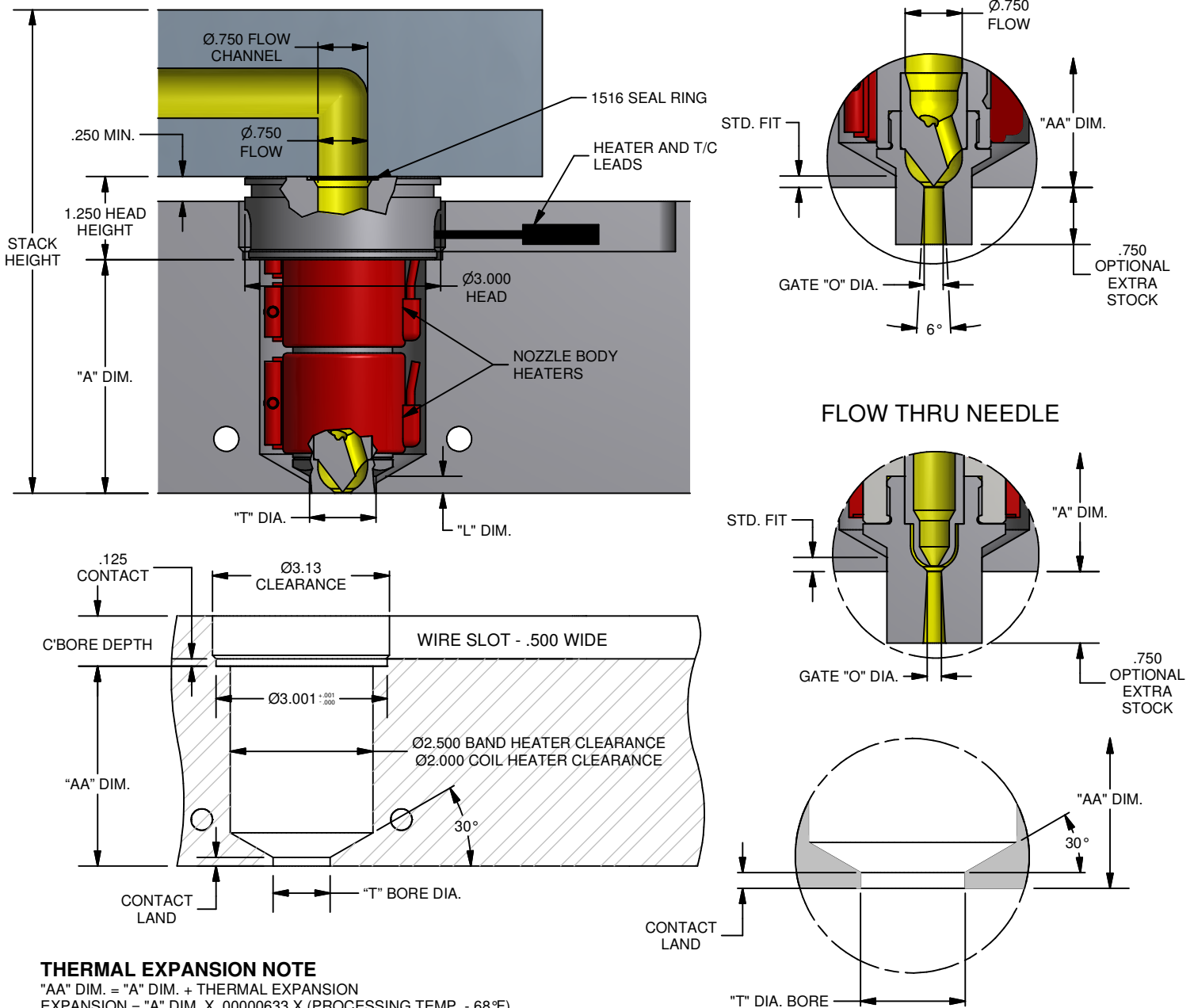
TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø.750	.187"	Ø.7505	.100"
Ø1.000	.250"	Ø1.0005	.150"

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

FULL BODY MANIFOLD APPLICATION NOZZLE SYSTEM, "FBM" SERIES 300

NOZZLE DESCRIPTION: The "FBM" Full Body Nozzle is designed for use with an OSCO designed manifold system. The "FBM" is engineered to feed directly into the part with an unrestricted channel. It is an ideal choice when a small gate vestige and the nozzle tip "T" diameter witness is allowable.



HOW TO ORDER

CATALOG #	"A" DIM.
FBM-3030	3.000
FBM-3040	4.000
FBM-3050	5.000
FBM-3060	6.000
FBM-3070	7.000
FBM-3080	8.000
FBM-3090	9.000
FBM-3100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- Gate "O" Diameter
- Resin to be processed

GATE "O" DIA.
15 = Ø.150
18 = Ø.187
25 = Ø.250

TIP INFORMATION		BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE -.0000	CONTACT LAND
Ø1.000	.250"	Ø1.0005	.150"

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.