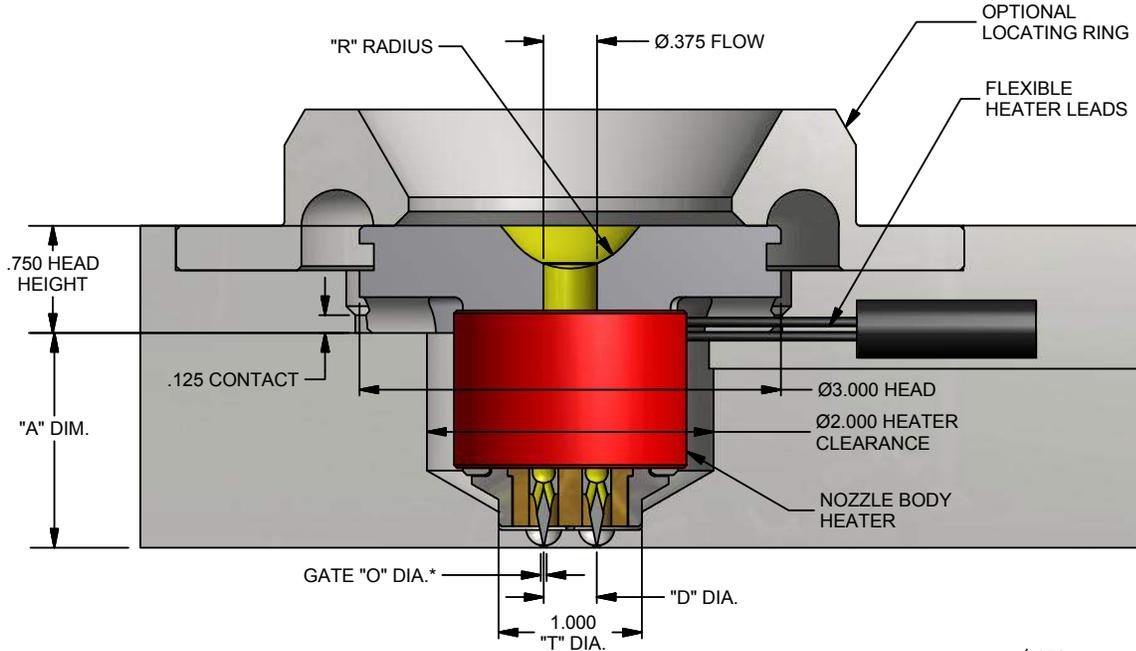
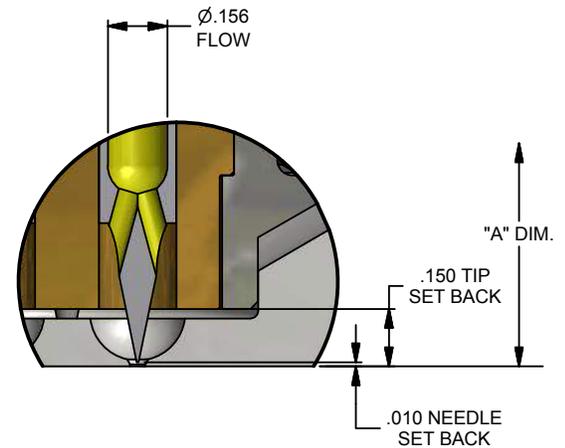
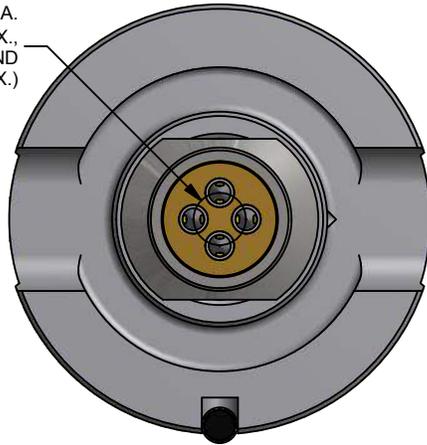


MGN-G-20

NOZZLE DESCRIPTION: The MGN-G 20 Series Multiple Gate Nozzle couples the MGN performance with the versatility of our 20 Series convertible nozzles and tips. The MGN-G Nozzle offers balance, minimal residence time, and the design flexibility with our 20 Series nozzles. The MGN-G is the unique solution for various applications.



Ø.375 NEEDLE SPACING "D" DIA.
(TWO - GNT-020 .286 MIN. TO .500 MAX.,
THREE - GNT-020 .300 MIN. TO .500 MAX. AND
FOUR - GNT-020 .370 MIN. TO .500 MAX.)



THERMAL EXPANSION NOTE

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

NOZZLE TYPE	"A" DIM.	STYLE	"O" GATE	"R" RADIUS
-------------	----------	-------	----------	------------

M G S 0 2

G

1.500" = 15 3.500" = 35
2.000" = 20 4.000" = 40
2.500" = 25 4.500" = 45
3.000" = 30 5.000" = 50

SPECIFY "O"***
MIN. = .030
MAX. = .060

1/2 = 5
3/4 = 7

HOW TO ORDER:
Specify dimensions
by completing the
following chart.

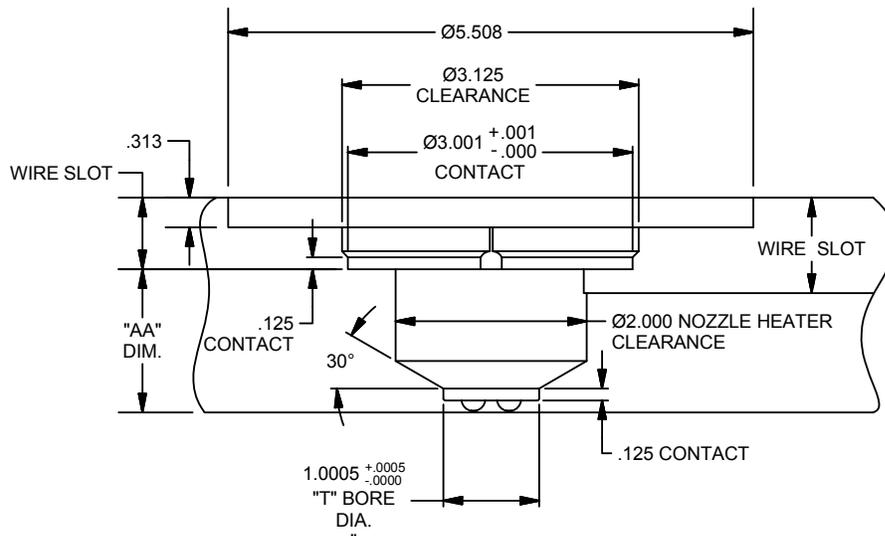
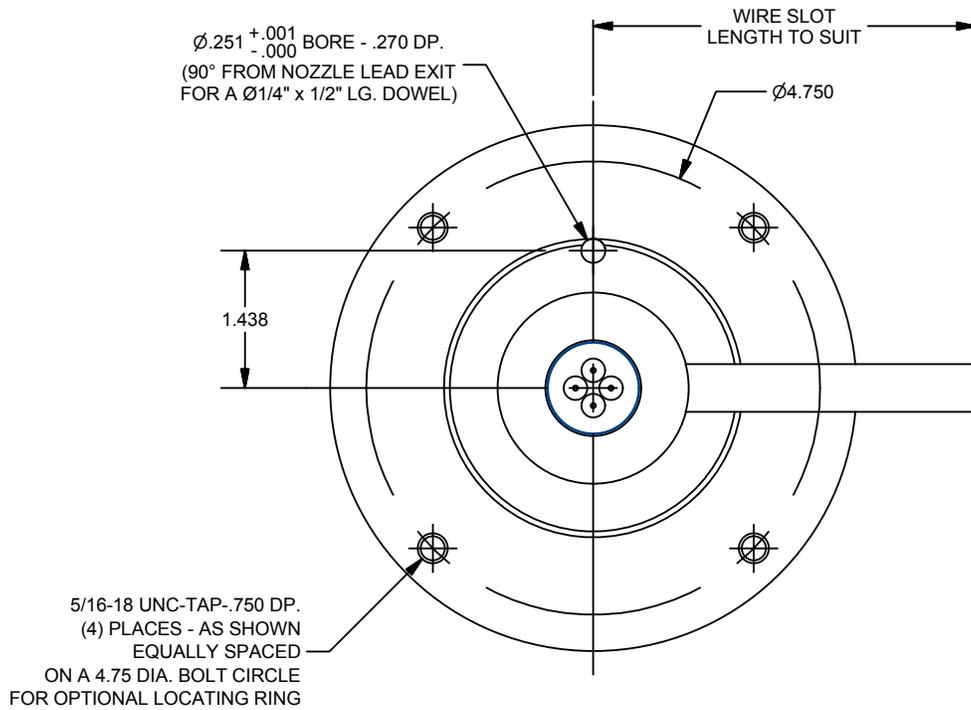
Call:

1-800-499-OSCO

Specify resin to be processed.

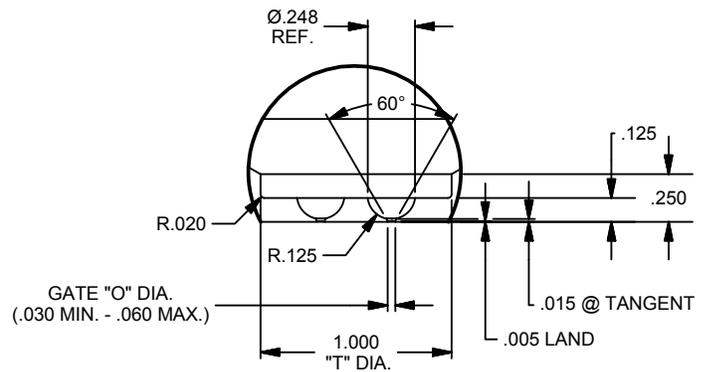
NOTE: For sizes other than shown, please contact Osco Tech Service.

MGN-G-20 BORING



THERMAL EXPANSION NOTE

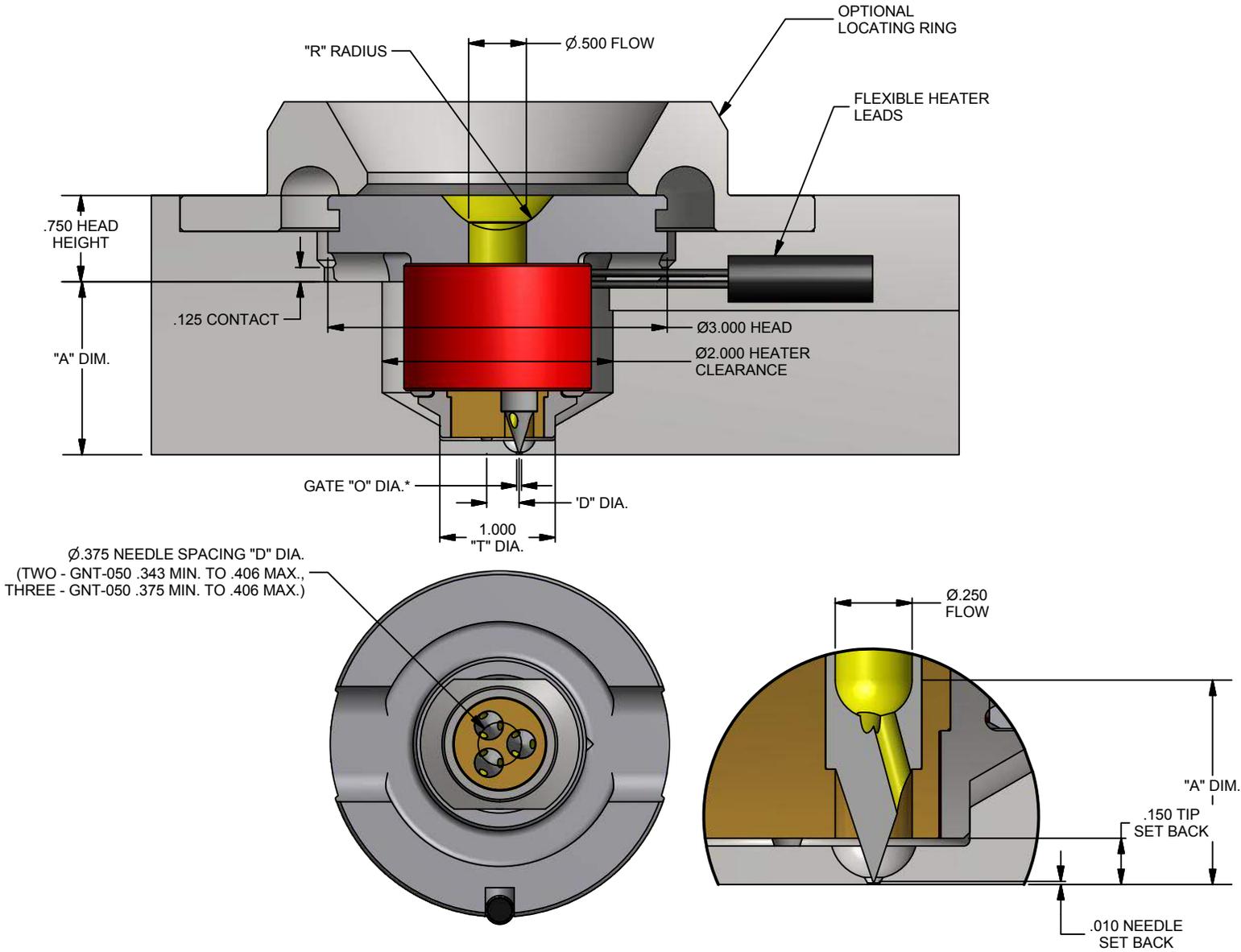
"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)
(DUE TO THE BODY LESS NOZZLE DESIGN, THERMAL EXPANSION
DOES NOT NEED TO BE CONSIDERED FOR STD. NOZZLE LENGTH)



* 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.

MGN-G-50

NOZZLE DESCRIPTION: The MGN-G 50 Series Multiple Gate Nozzle couples the MGN performance with the versatility of our 50 Series convertible nozzles and tips. The MGN-G Nozzle offers balance, minimal residence time, and the design flexibility with our 50 Series nozzles. The MGN-G is the unique solution for various applications.



THERMAL EXPANSION NOTE

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

NOZZLE TYPE	"A" DIM.	STYLE	"O" GATE	"R" RADIUS
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M G S 0 5

G

1.500" = 15 3.500" = 35
 2.000" = 20 4.000" = 40
 2.500" = 25 4.500" = 45
 3.000" = 30 5.000" = 50

SPECIFY "O"*
 MIN = .040
 MAX = .080

1/2 = 5
 3/4 = 7

HOW TO ORDER:

Specify dimensions by completing the following chart.

Call:

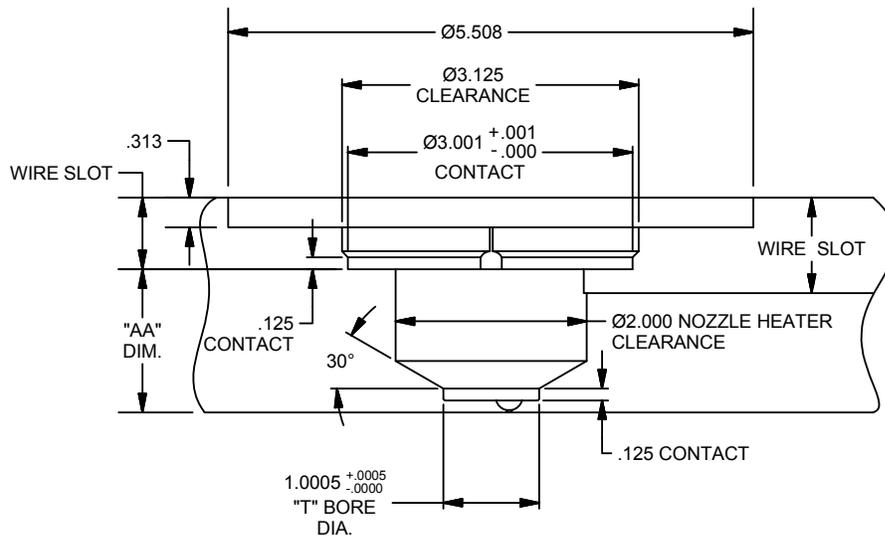
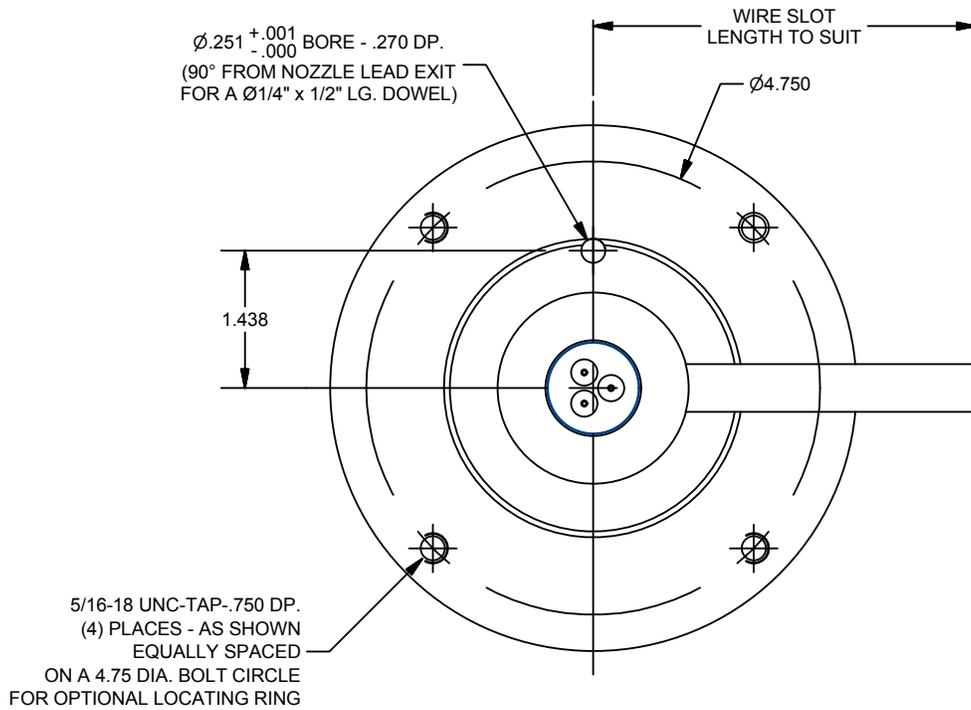
1-800-499-OSCO

Specify resin to be processed.

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

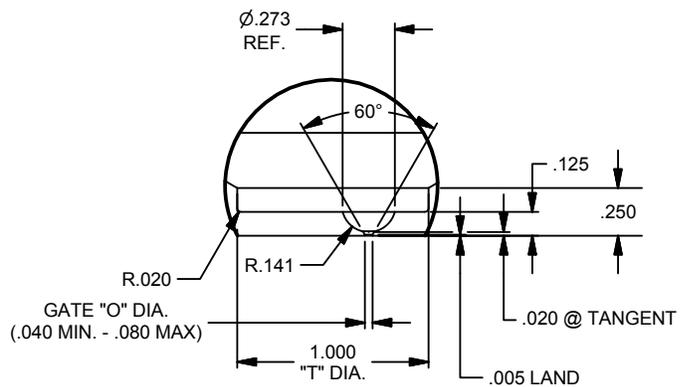
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

MGN-G-50 BORING



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)
(DUE TO BODY LESS NOZZLE DESIGN, THERMAL EXPANSION
DOES NOT NEED TO BE CONSIDERED FOR STD. NOZZLE LENGTH)



* 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.