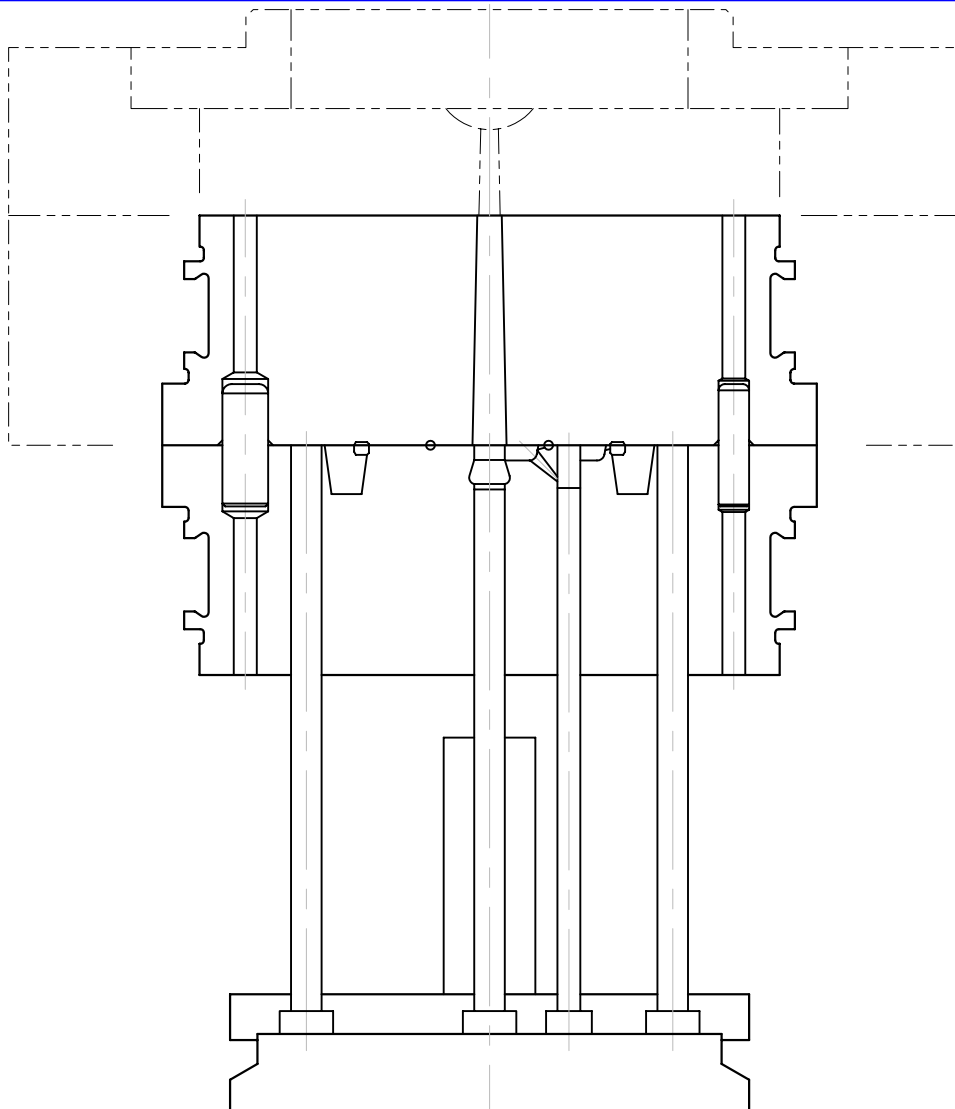
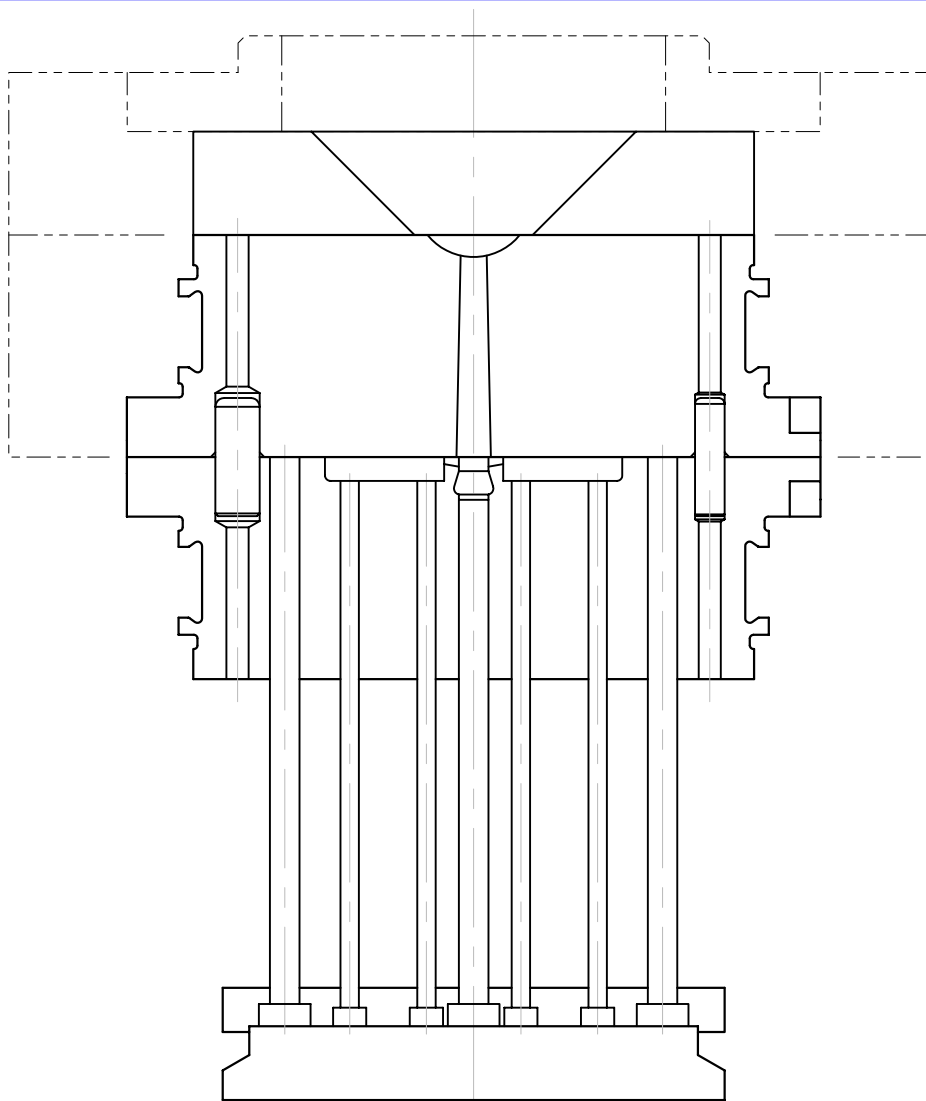


CENTER SPRUE IS THE
TRADITIONAL METHOD FOR
DELIVERING THE PLASTIC
TO THE PARTING LINE.

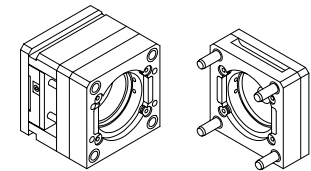


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CENTER SPRUE



USING AN EXTENDED NOZZLE
ON THE MOLDING PRESS
ALLOWS FOR SHORTENING
OF THE SPRUE. THE NOZZLE
RADIUS IS MACHINED
DIRECTLY INTO THE ROUND
MATE[®] INSERT.

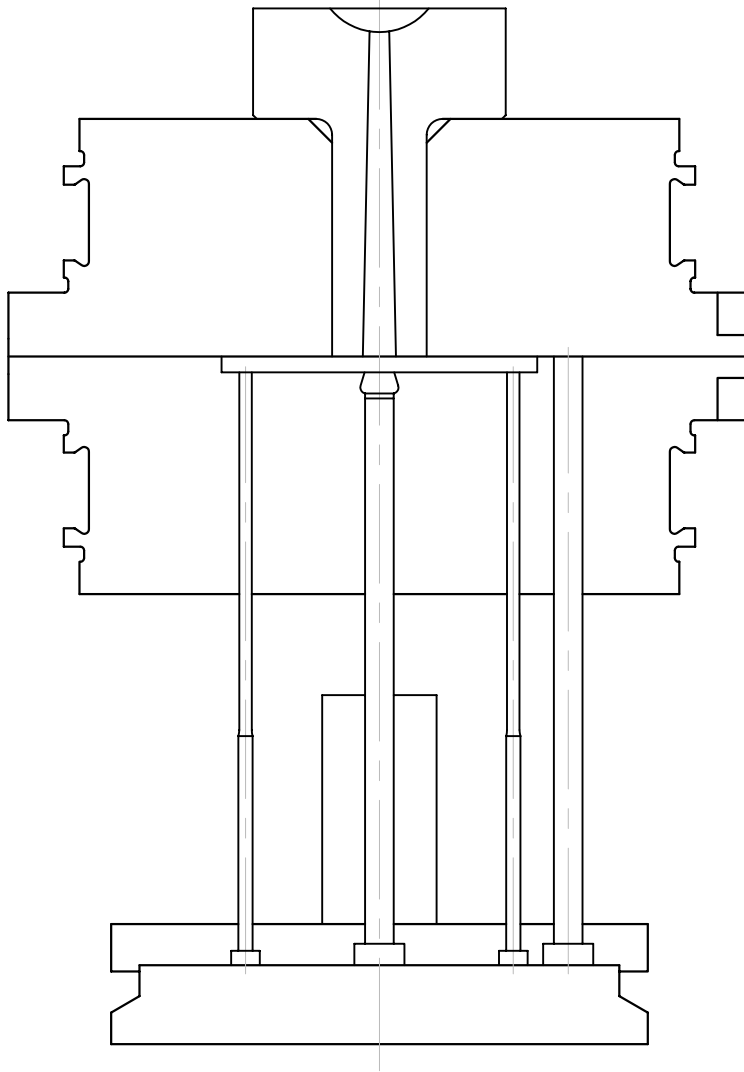


SINGLE-POSITION

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EXTENDED NOZZLE
CENTER SPRUE

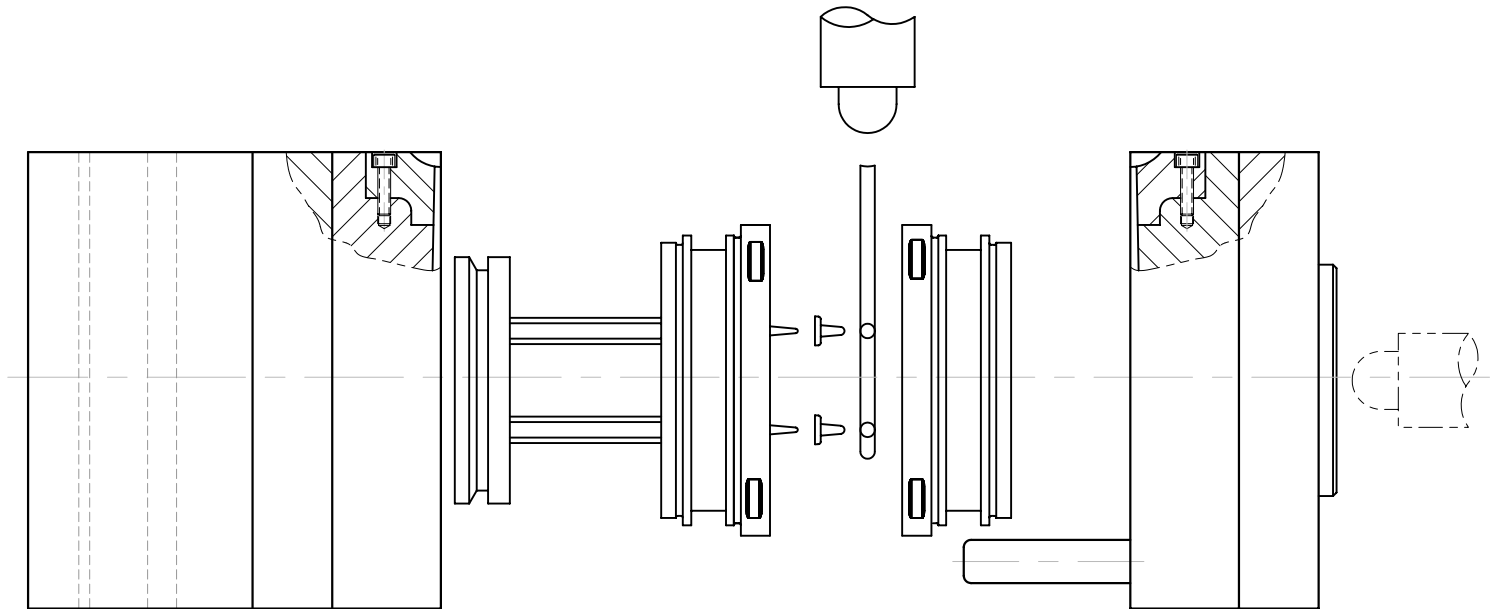
STANDARD SPRUE
BUSHINGS CAN BE
INSTALLED IN THE
ROUND MATE[®] INSERT.



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STANDARD SPRUE
BUSHING

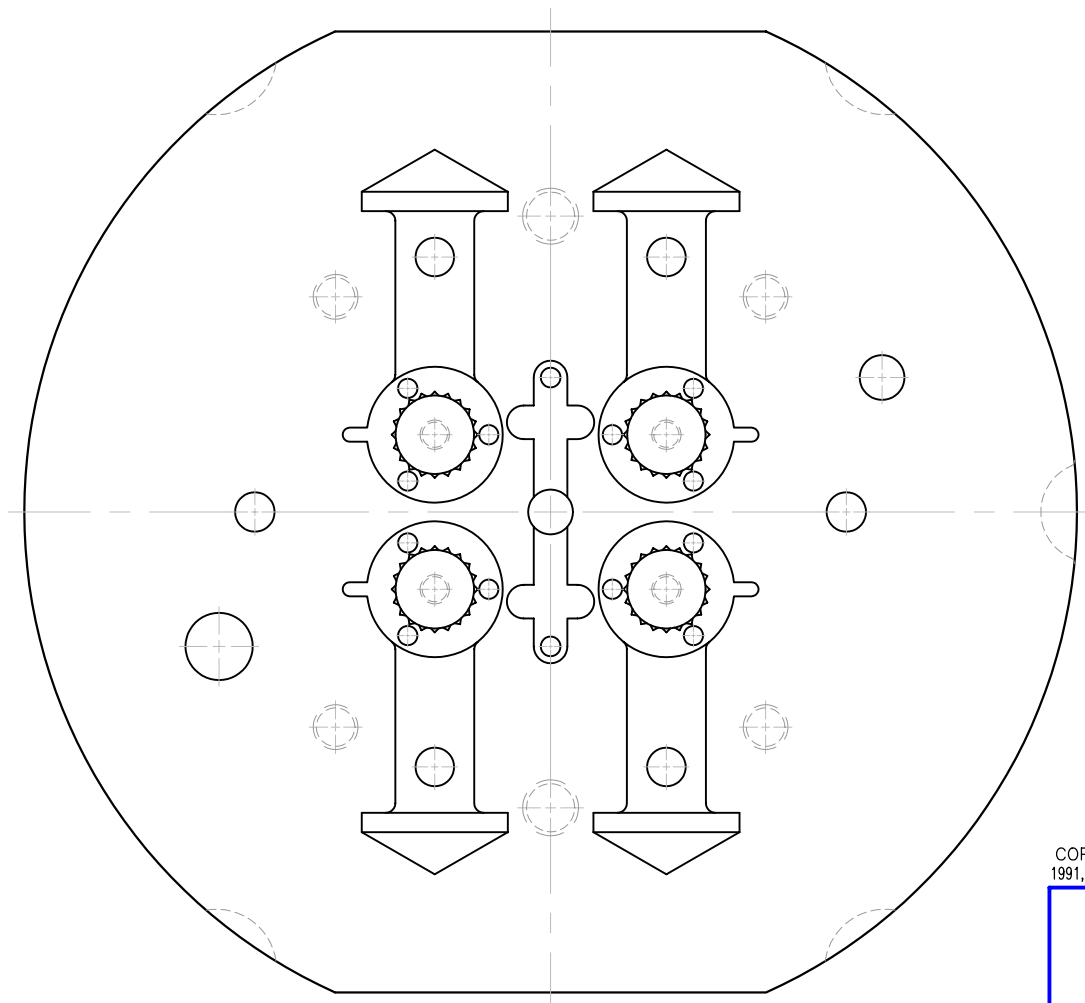
ON CERTAIN MOLDING
MACHINES, THE INJECTION
BARREL CAN BE MOVED TO
A VERTICAL POSITION.
THIS OPTION CAN BE ADDED
TO THE SINGLE POSITION
MASTER FRAME.



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OPTIONAL
PARTING LINE RUNNER

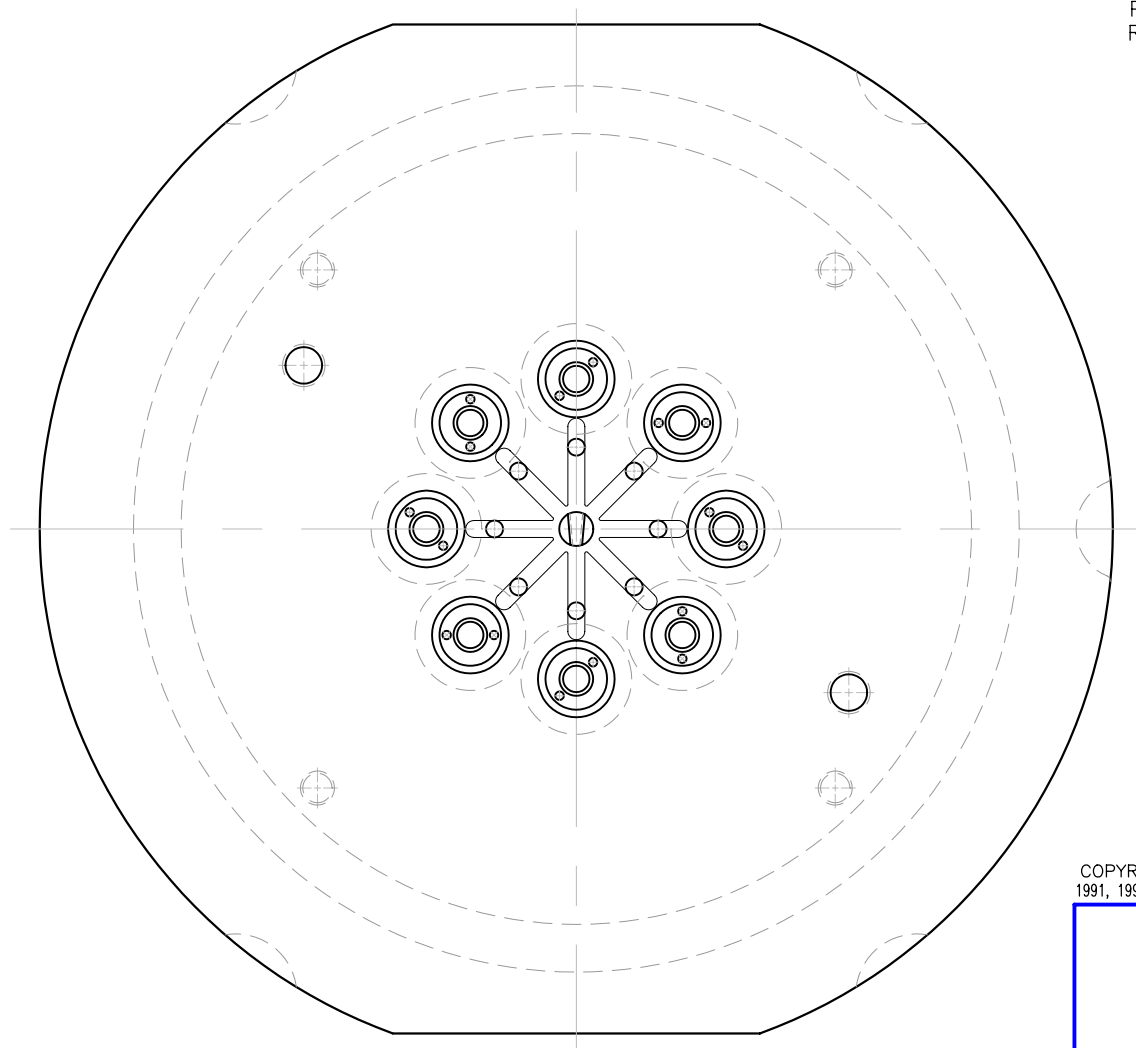
RUNNER LAYOUT IS THE
BASIC RESULT OF CAVITY
QUANTITY AND LOCATION.
THE ROUND MATE® HAS A
NATURAL TENDENCY TO
PROMOTE A BALANCED
RUNNER SYSTEM.



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"H" PATTERN
RUNNER LAYOUT

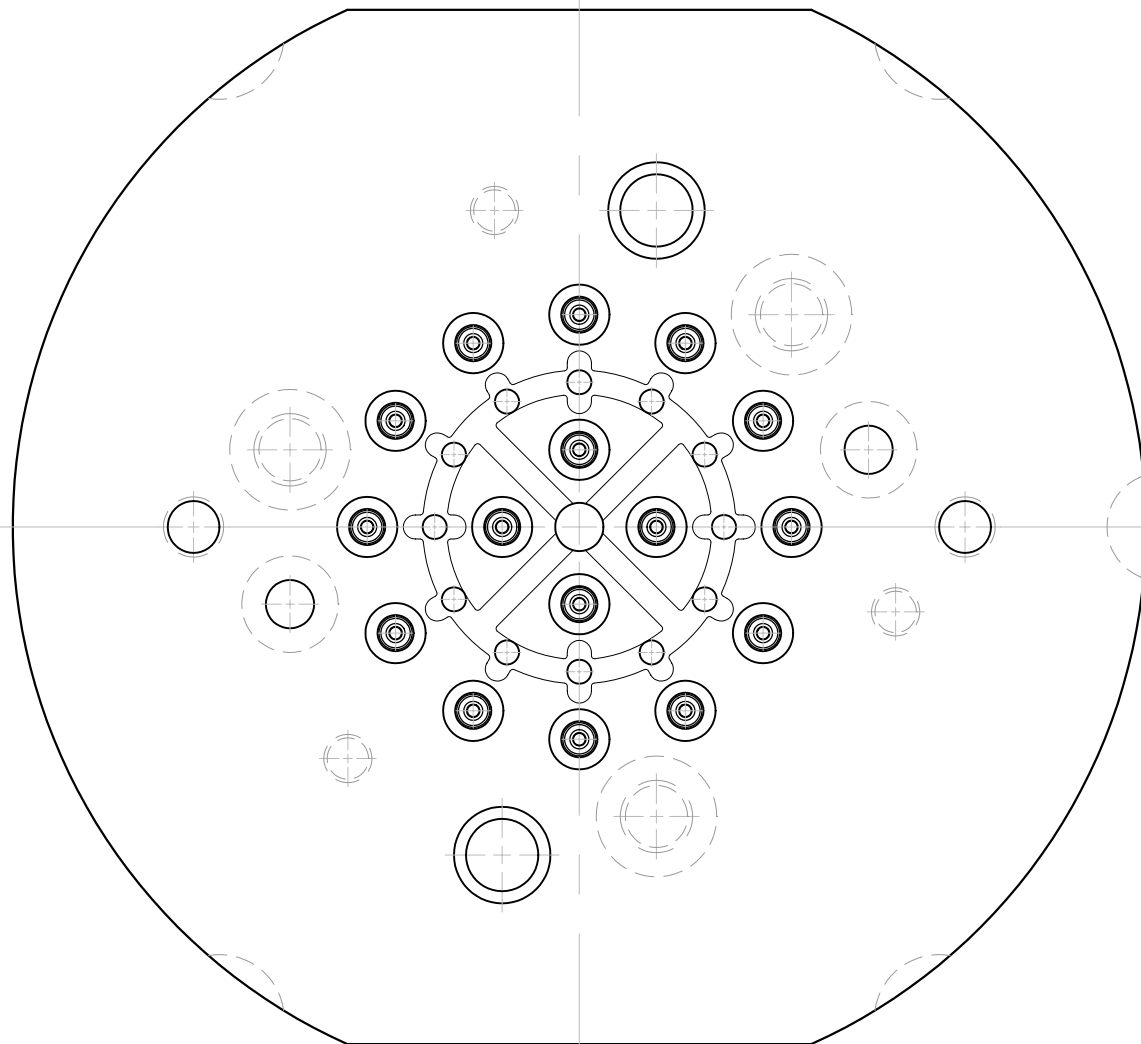
THE STAR PATTERN IS
PERFECTLY BALANCED AND
REDUCES RUNNER VOLUME
WHEN THE CAVITIES ARE
POSITIONED RADIALLY.



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STAR PATTERN
RUNNER LAYOUT

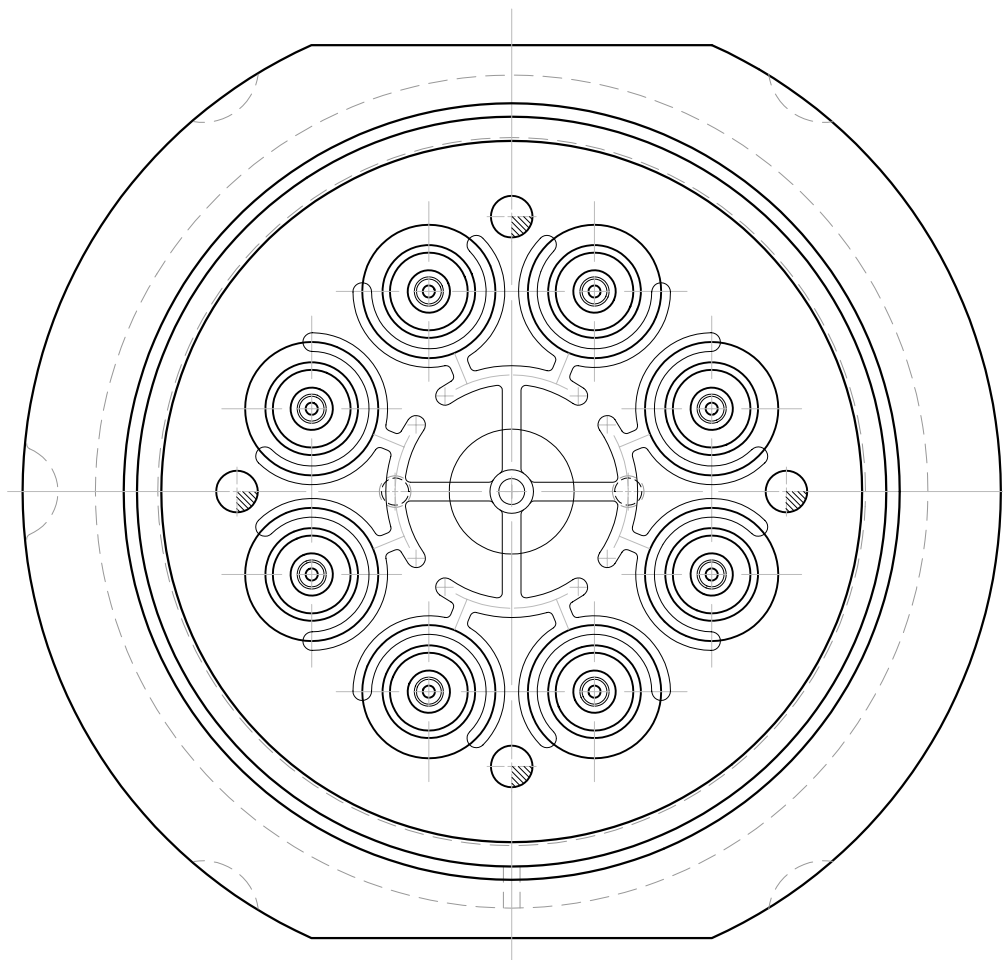
THE SPOKE PATTERN IS A
UNIQUE WAY TO TUCK A FEW
MORE CAVITIES INTO A
ROUND MATE[®] INSERT.



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SPOKE PATTERN
RUNNER LAYOUT

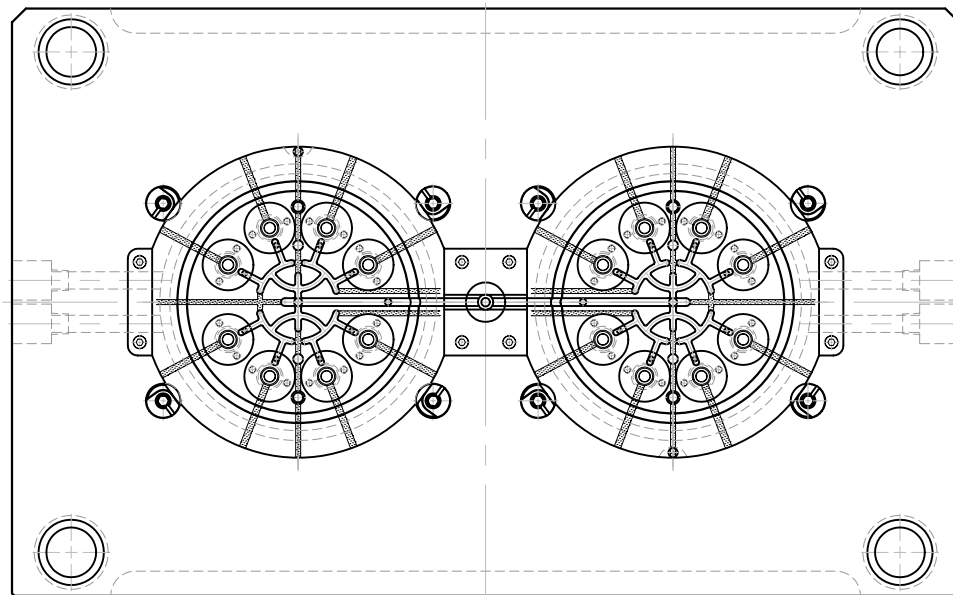
DOUBLE GATED
CAVITY INSERTS



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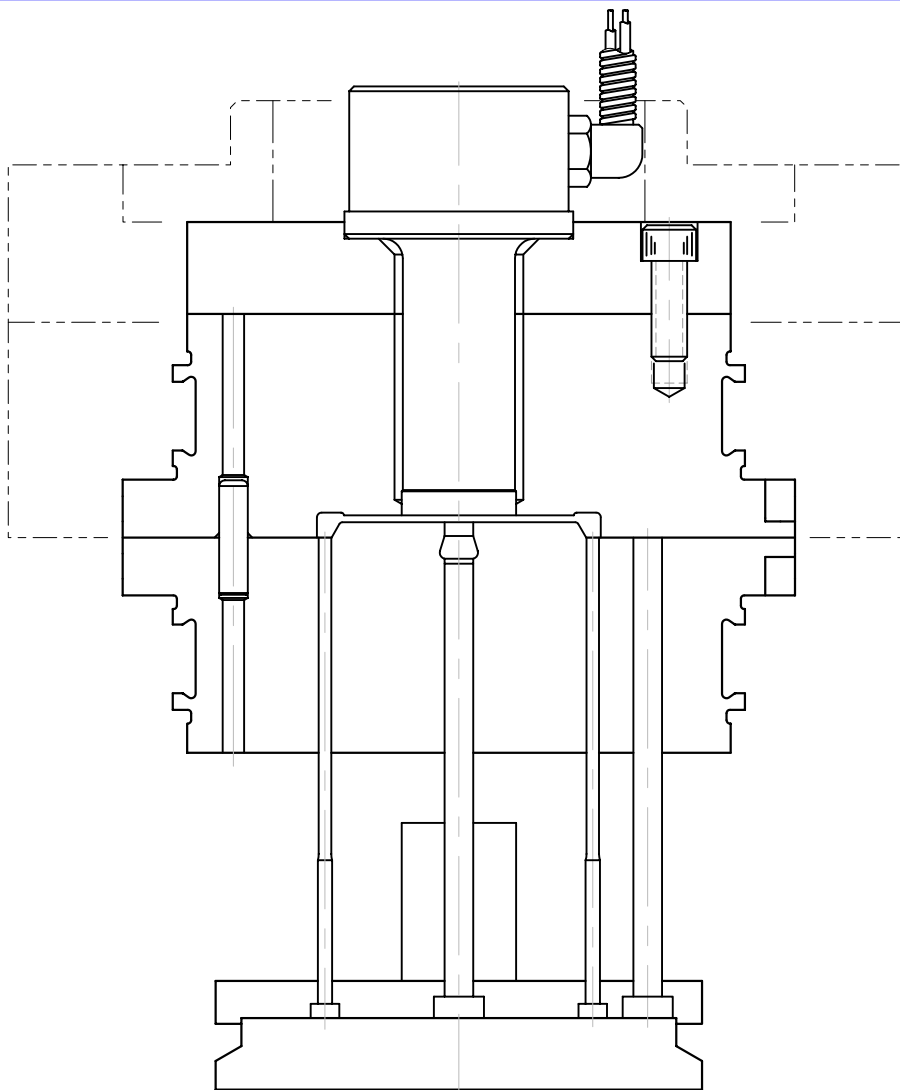
DOUBLE GATED
CAVITY INSERTS

GATING ON MULTI POSITION
MASTER FRAME INSERTS
IS ACCOMPLISHED FROM
THE SIDE OF THE INSERT.



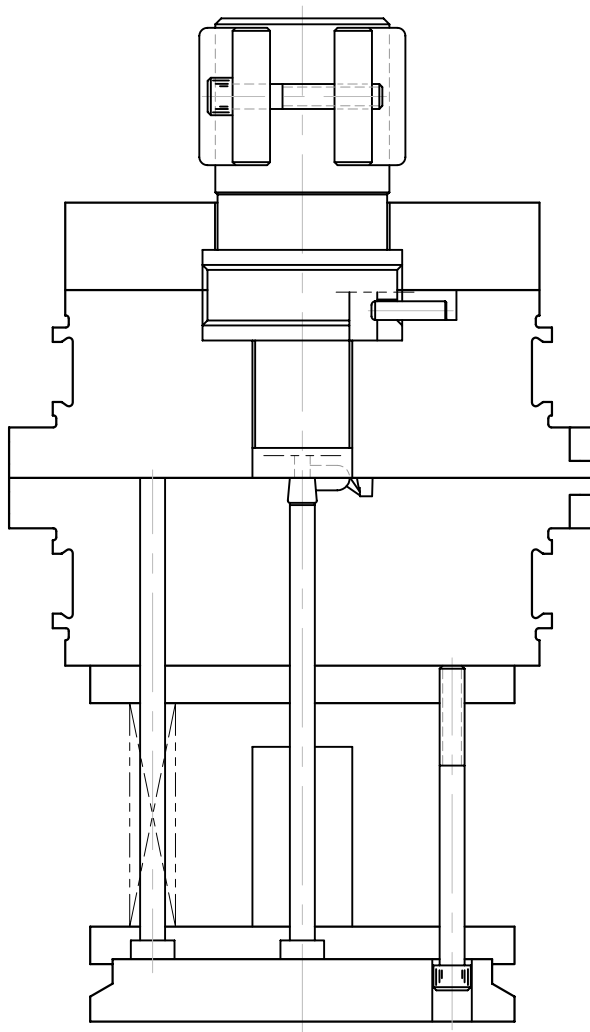
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MULTI POSITION
MASTER FRAME RUNNER



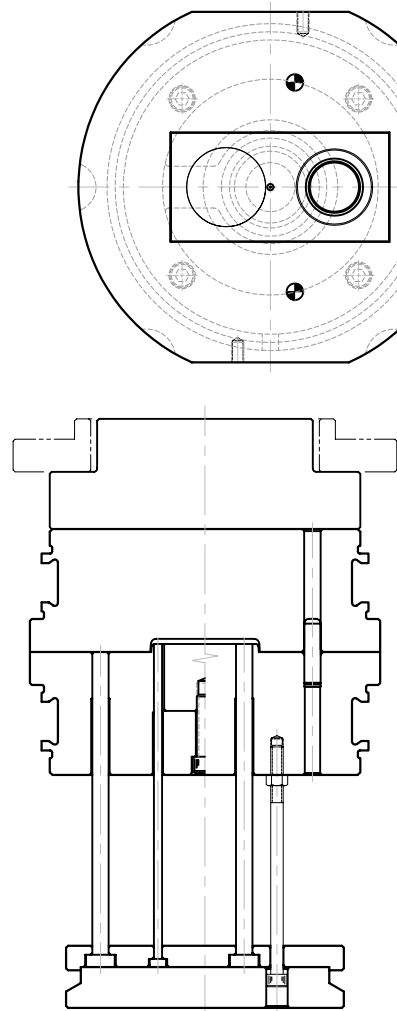
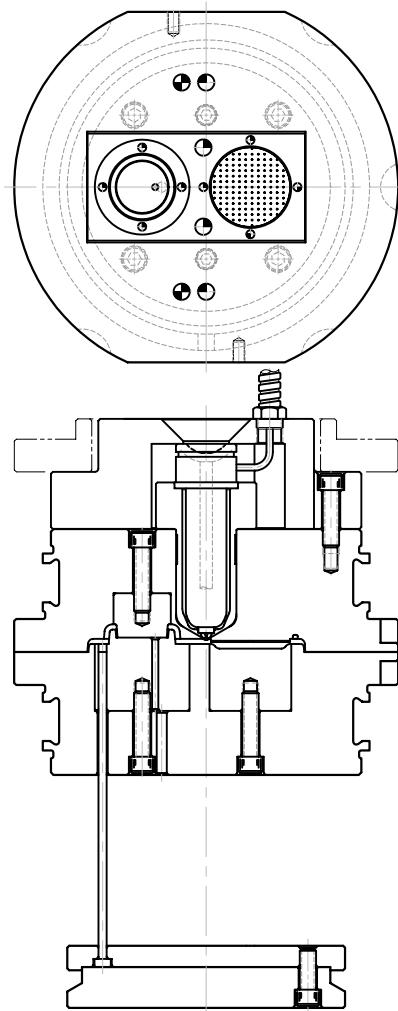
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HOT SPRUE BUSHING



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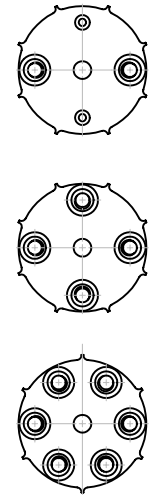
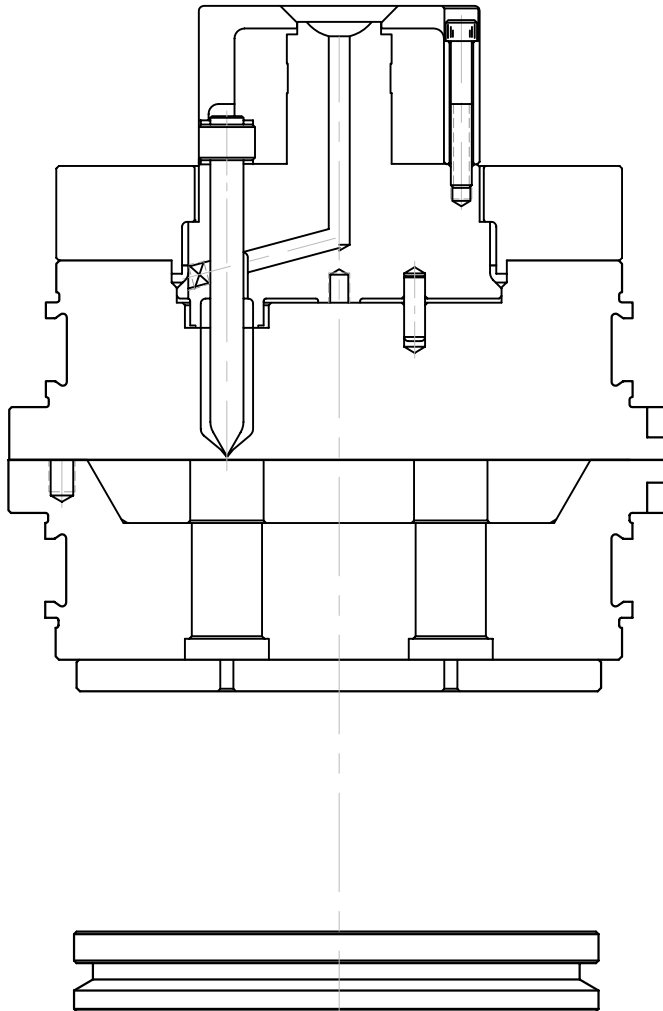
HOT SPRUE BUSHING



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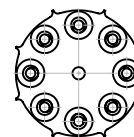
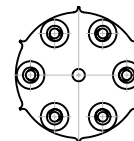
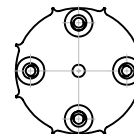
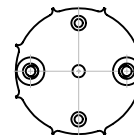
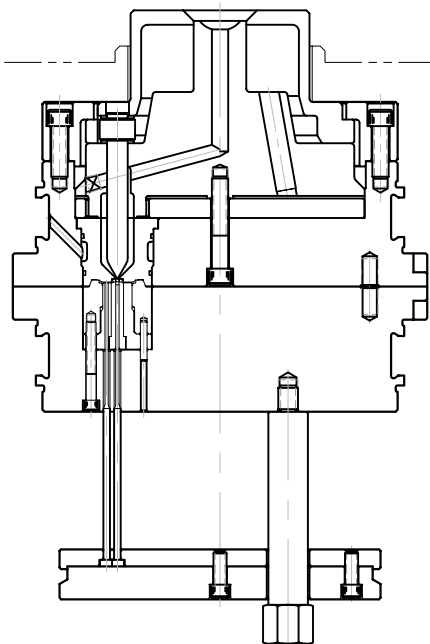
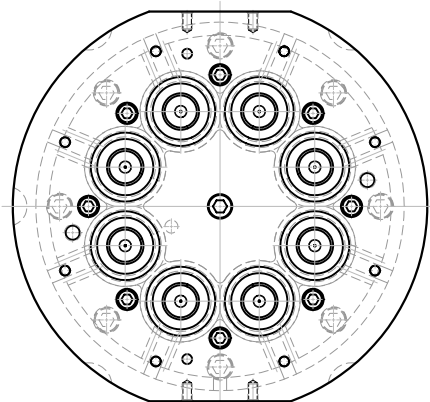
HOT TIP BUSHING

HIGH PRODUCTION
RUNNERLESS MOLDING AT
GREATLY REDUCED COST.
ROUND MATE® IS ESPECIALLY
EFFECTIVE FOR JUST IN
TIME MANUFACTURING.



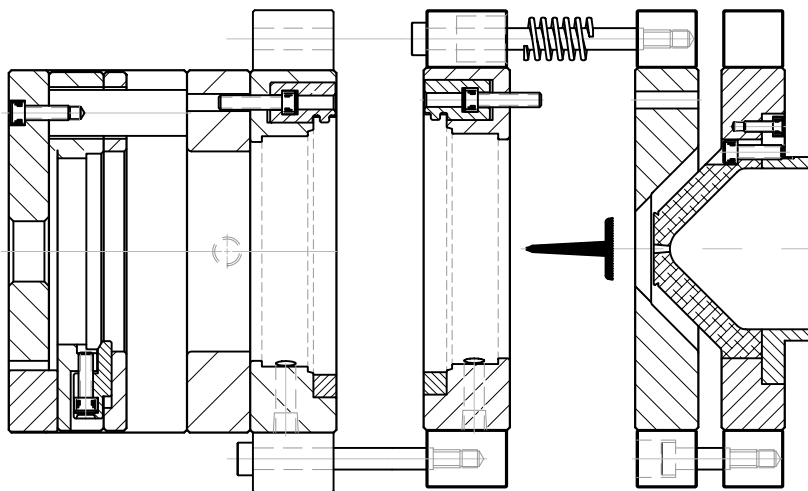
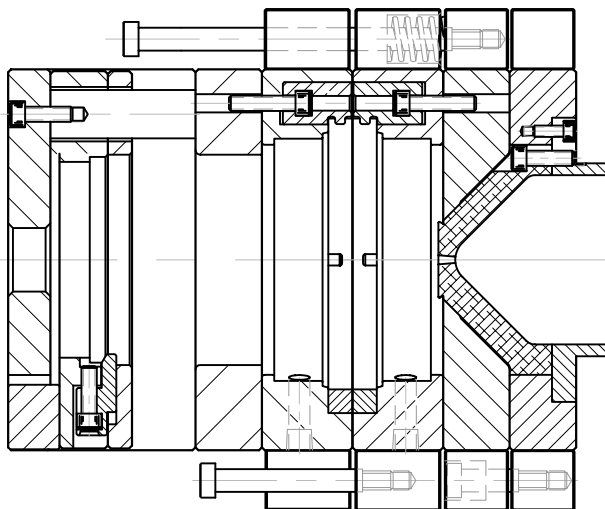
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ROUND MATE® MULTI TIP
HOT MANIFOLD



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ROUND MATE
HOT MANIFOLD



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3 PLATE
EXTENDED NOZZLE DISC