

D-M-E Technical Services



TECHNICAL SERVICES



D-M-E
Every step of the way

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*The lowest-priced mold base
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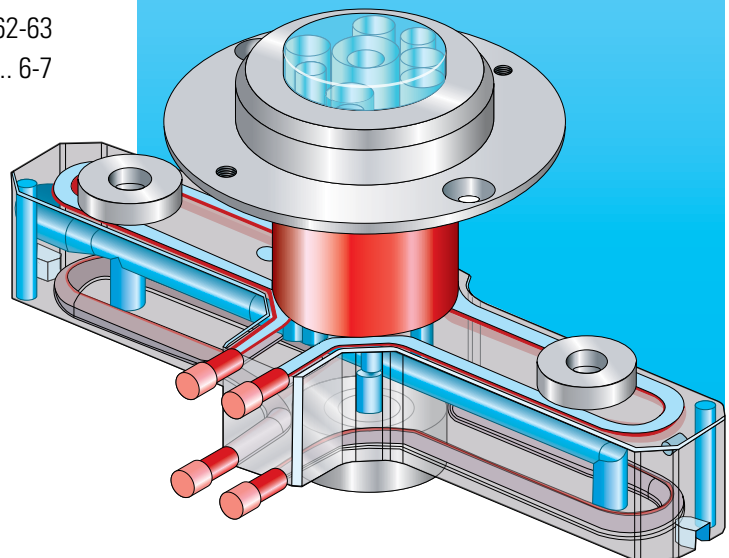
Online Price Guide

Go to www.dme.net/prices for the latest pricing guide.

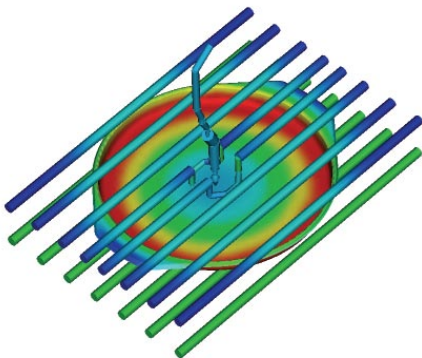
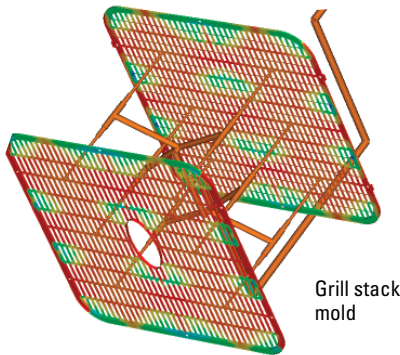
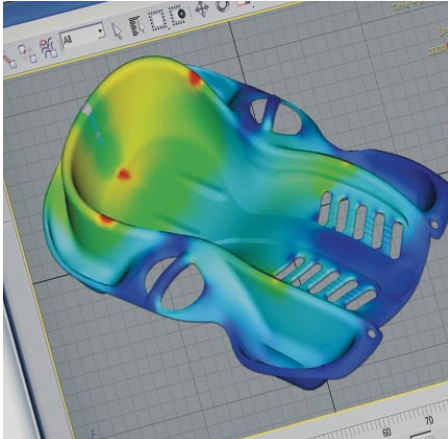
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D-M-E has supported moldmakers, processors and designers around the globe since it innovated the standard mold base in 1942. Today, we offer the industry's broadest range of market-leading products.



Moldflow™ Services — Optimize Part and Mold Design



Comprehensive Analysis and Modeling

With today's shrinking time-to-market window, development speed is essential. As part of its commitment to the molding industry, D-M-E is now offering Moldflow™ analysis to help optimize part and mold design – especially for hot runner molds. D-M-E is the first mold technologies supplier to earn Moldflow's silver certification in this advanced technology.

A Competitive Advantage

Predictive analysis, utilizing Moldflow software, yields tremendous benefits, including:

- Optimize part design
- Reduce time-to-market
- Save cost and time on mold tryouts
- Lower development and production costs
- Provide a framework to establish reputable processes
- Improve product quality
- Decrease cycle times

What is Moldflow?

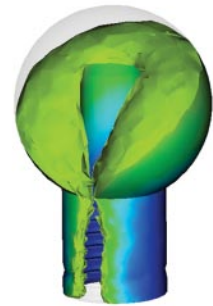
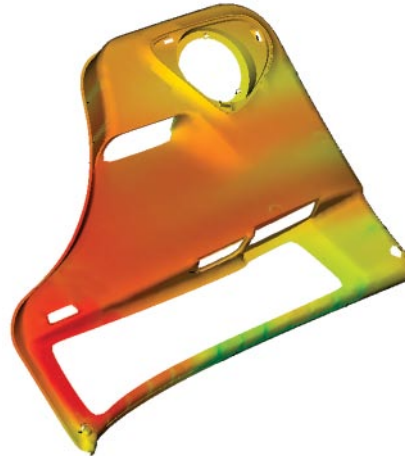
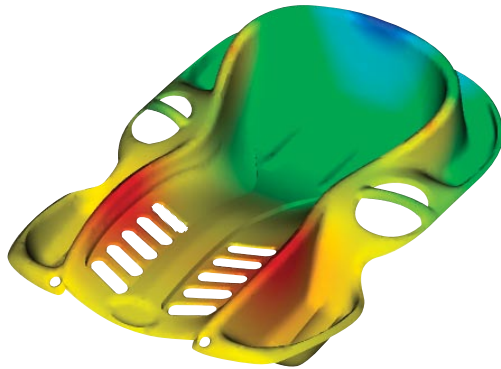
D-M-E uses Moldflow Plastics Insight™ (MPI) software which is an integrated suite of analysis tools that utilize CAD files and apply advanced Finite Element Analysis (FEA) techniques to quickly and easily enable a virtual "what if" design environment before initiating mold construction. MPI provides in-depth part/mold design and process parameter optimization. This is in contrast to Moldflow Plastics Advisor™ (MPA) which is primarily useful for parts with low to medium complexity, conceptual designs, and quick part design validation. D-M-E is a certified, licensed provider of Moldflow analysis services.

Mold Fill Analysis

The Mold Fill module uses predictive technology to simulate the filling process. Key analyses include:

- Optimize the number, size, and location of gates
- Balance the runner system design
- Reduce material stress levels

Moldflow™ Services — Optimize Part and Mold Design



- Predict weld line locations
- Validate pressure and temperature distribution within the mold
- Optimize processing conditions – including melt temperature, injection rate, and cavity pressure

Mold Pack Analysis

Building on the results of a Mold Fill analysis, the Mold Pack module optimizes the packing phase to ensure a uniform packing condition. As an indication of part warpage, volumetric shrinkage is evaluated and the pack pressure profile is optimized. The result is minimized warpage with an improved surface appearance.

Mold Cool Analysis

The Cool Analysis module assesses an existing cooling layout to determine potential molding problems. Steel types, cooling channel sizes, bubblers, baffles, coolant temperatures, and flow rates are all evaluated. Using this analysis, the Mold Cool module recommends practical tooling design changes to ensure uniform cooling. Mold Cool takes into account:

- Number, location, depth, and pitch of cooling channels
- Steel types
- Cooling circuit layouts
- Coolant temperatures and flow rates
- Cycle times

Warp Analysis

Using the results from the Fill and Cool analyses, the Warp Analysis module enables prediction of plastic part shrinkage and warpage. Warp Analysis diagnoses the cause(s) of warping and recommends the appropriate solution, such as gate location changes, design parameter changes, and reduction of wall thickness variations.

MPI 3D

MPI 3D addresses a class of problems previously unsolvable using traditional finite element analysis techniques. In thick-walled parts, molten plastic can flow in all directions. Using a proven methodology based on a solid tetrahedral, finite element volume mesh, MPI 3D enables true, three-dimensional simulations on thick-walled parts.

Where Do I Start?

Contact your D-M-E representative for more information regarding MoldFlow Services. The D-M-E Applications Engineering Department is available to provide a customized MoldFlow analysis and assist you in maximizing the results of your next application.

D-M-E Hot Runner Service Center – Ensuring the Productivity of every Hot Runner System



Full-Service Hot Runner Support

Mold technology leader D-M-E – known for our innovative family of hot runner systems including Galaxy, Meteor, and Stellar – now also provides total support for your hot runner systems. Whether it's a D-M-E system or not, we can repair, reconfigure – even totally rebuild it to help ensure maximum uptime and performance of your system.

A Dedicated Center for Hot Runner Systems

Our new Hot Runner Service Center, located in Madison Heights, Michigan, is exclusively dedicated to supporting your hot runner systems. Staffed by a team whose sole focus is hot runner systems, we're quickly able to get your system operating at maximum efficiency. This group has over three decades of experience installing, assembling, and repairing hot runner systems. And, because we're centrally located, we can get your system back in your shop quickly and cost-effectively. If appropriate, we can also perform many basic operations in one of our D-M-E regional centers – further speeding turnaround.

A Wide Range of Services

D-M-E recognizes the value of your time – that's why we've developed a comprehensive suite of hot runner services to provide a single source for maintenance and optimization of your system. Key services include:

- Repairs – including expedited service
- System cleaning – including complete bake-out
- Total system rebuild
- Re-configuration
- Operator training
- Mold tryouts

Repairs Get You Back Up Quickly

Time is money. When a critical tool is out of commission, productivity is lost and production schedules can be threatened. We understand this at D-M-E. That's why our team of hot runner repair specialists are always available to get you back in service.

Whether you're experiencing leaks, heating issues, flow problems, or would simply like a system bake-out, we'll repair your system quickly and cost-effectively.

Standard turnaround for repairs on systems from 1-12 drops (depending on parts availability for non-D-M-E systems) is 5 working days or less. If your system has over 12 drops, contact us for an estimated turnaround time. And, we offer emergency 24-hour turnaround service.

D-M-E Hot Runner Service Center – Ensuring the Productivity of every Hot Runner System

Rebuilds Ensure Performance

After tens of thousands of cycles you may have noticed your system just doesn't perform the way it used to. Or maybe you've run high-temperature engineered materials and the tolerances just aren't as tight. Key benefits of system rebuilds include:

- Cost savings of at least 40% as compared to new systems
- Extended life for your tool
- Maximizing system uptime and performance
- Improved finished part quality

Whether you need a total system rebuild, or a simple cleaning and inspection D-M-E can help. System rebuilds can be performed on any brand of hot runner system and typically include:

- Complete bake-out cleaning
- Check and replace heaters and thermocouples
- Inspect and correct wiring
- Replace seals and bushings
- Clean or replace nozzle components
- Check all dimensions and re-assemble system

Cost-Effective Reconfiguration

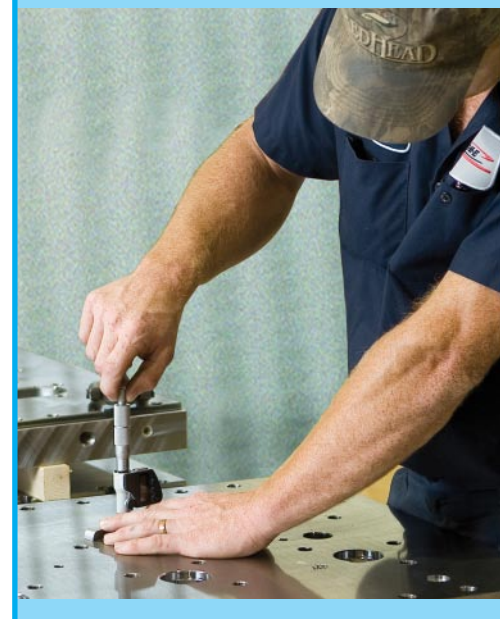
When your process needs change, without a significant tooling change, we can adapt your hot runner to the new process. Whether it's a material switch, or a part design change, D-M-E can help reconfigure your existing system.

Training Maximizes Productivity, Speeds Set-Up

The D-M-E Hot Runner Service Center can provide comprehensive operator training in start-up or prototyping. Our hands-on programs help your operators get up-to-speed, or stay current on hot runner technology.

Mold Tryouts

We also offer mold tryouts at the Hot Runner Service Center. Injection molding machines from 110 to 1,000 tons are available to run your mold and ensure proper performance.



D-M-E Online Tools

Powerful New Online Resources

www.dme.net

- > Download CAD drawings
- > Check pricing
- > Place orders
- > Confirm shipping status
- > Access innovative product documents
- > And more ...

Now the first real-time e-commerce website in the mold technologies industry is even better. The newly redesigned D-M-E website makes it easier to access a full complement of tools and resources designed to improve efficiency for moldmakers, molders, and mold designers. A completely new design makes it even easier to find the information you need quickly and with only a few clicks of your mouse.

Our new web presence is complemented by the industry's broadest range of market-leading products, a customer service team that provides you with unsurpassed knowledge and expertise, and a logistics infrastructure that ensures speed and accuracy across the order-to-shipment continuum. All of these efforts support our goal to be an essential resource to help you meet the unprecedented demands for speed, cost reduction and performance that you face every day.

Services and Products to Help You Every Step of the Way!

■ Online ordering

Place and track orders online. Get free ground freight for orders placed online. Please contact a D-M-E customer service representative to activate this feature for your account; a login ID and password are required.

■ Resource directory

Customers that add their company to this free directory become part of a resource listing their services that can result in new business when users contact them. (See page 61 for more details.)

■ CAD data

Download thousands of D-M-E product geometries in over 80 native and neutral CAD formats. See the next page for details.

■ Promotional items list

View Special Mold Base Lists, updated regularly, and other specials to learn of current promotions.

■ Industry's largest online catalog

Access information on over 13,000 products. View individual pages or entire sections. Pages can be downloaded or printed.

■ Design guides/product application guides

View or download design guides enabling you to use the products correctly, safely, and to the fullest capability.

■ MSDS sheets

Easy access to Material Safety Data Sheets for over 40 products including Steel, Mold Cleaner and Saver, Insulator Sheets and Self-Lubricating Bushings.

■ Easy search tools

Quickly search the entire catalog for specific technical information day or night.

■ Frequently asked questions (FAQ)

A quick-reference guide to frequently asked questions related to mechanical parts such as heat pipes, collapsible cores, and early ejector returns; also temperature control guides, and error code troubleshooting.

■ Plastics University

The D-M-E Plastics University, created in conjunction with Ferris State University, is a great educational resource featuring 8 training modules.

■ D-M-E InStep mold technologies newsletter

An electronic newsletter, featuring essential resources for moldmakers, molders, and mold designers, created with the knowledge and expertise of D-M-E.

D-M-E Online Tools

■ New Product and Service Information

Find out what's new and exciting regarding D-M-E products and service. Information on new products and promotional specials are added frequently.

■ The largest collection of available formats

Whether you need 3D or 2D models, in native or neutral formats, the D-M-E Global Parts Library has the data you're looking for.

■ Easy import speeds design

Directly import D-M-E CAD models into your designs to speed the development process. Advanced compression algorithms ensure efficient download times.

■ The latest data

Access the most current, verified specifications for thousands of D-M-E products, including:

- > A, B and MoldBasics mold bases
- > Heating and cooling components
- > Metric Components
- > Ejector Pins
- > Mold and Die Components
- > Hot Runner Components
- > MUD inserts

■ Easy, powerful search capabilities

A powerful search engine makes finding the needed CAD models quickly and easily a snap.

■ Comprehensive CAD models

Dimensionally correct geometries include exterior envelope data, as well as key mounting features.

■ Flexibility to work the way you work

Customize CAD format preferences to properly configure files for import into your CAD system.

What are you waiting for? With the D-M-E Global Parts Library, you could be working faster and smarter to develop and build mold designs from the simplest to the most complex.

24/7 CAD Files in the Formats You Need

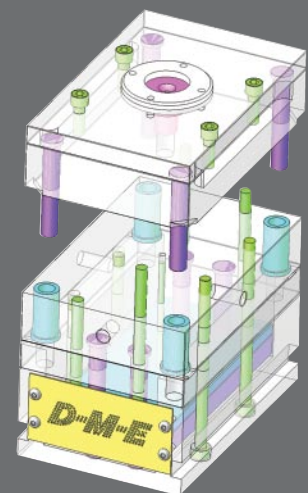
www.dme.net

> Crunching on that last minute design?

> Need CAD data?

Did you know the D-M-E web site offers CAD files for more than 60,000 parts in over 80 different formats?

D-M-E offers mold designers, moldmakers, and molders an easy way to access CAD files in a wide range of formats. Our newly redesigned website features the industry's most robust solution for delivery of CAD data – the D-M-E Global Parts Library. Powered by PARTsolutions™, the D-M-E Global Parts Library gives users real-time access to the critical information they need in most of the formats in use in the moldmaking industry today.



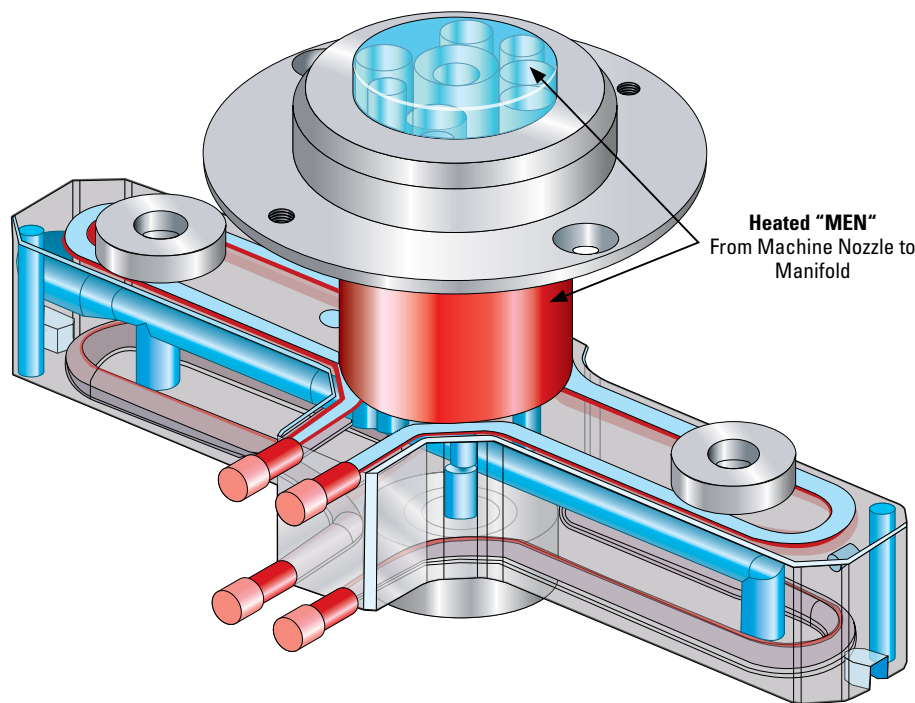
Standard Global Manifold and Components

D-M-E Global Manifolds and Components are standardized worldwide to ensure that even the smallest detail provides operational excellence regardless of where D-M-E hot runner products are used. Whether you're relying on a quick-delivery manifold or an applications-engineered, custom manifold, the D-M-E Global Manifold Standard ensures optimal hot runner performance no matter where in the world it was built.

Key Features of the D-M-E Global Manifold Include:

- Flexible tubular heaters
- Locating rings that fit virtually any injection press platen hole diameters
- Heated Manifold Extension Nozzles that match up to different locating ring diameters and machine nozzle radii
- High-tolerance, press-fit heaters
- Upper and center Manifold supports constructed of high-strength, low-heat conductive titanium that minimizes heat loss and maintains an even heat profile
- J-type thermocouples are black-and-white, coinciding with the IEC 584-3 International Standard
- Flow channel sizes range from 6mm to 16mm

D-M-E customers are assured that D-M-E Manifold Systems are designed and built with a global standard that ensures efficient molding anywhere in the world. And, since replacement parts are identical worldwide, they are readily available wherever your mold is operating, not just where it was built. All D-M-E nozzles, including Galaxy, Stellar, Gate-Mate and the Hot One, perform flawlessly with the D-M-E Global Manifold Standard.



Available in all balanced design layout patterns up to 64 nozzle drops*, including in-line, X, Y, H, Double H & Multiple Level Systems.

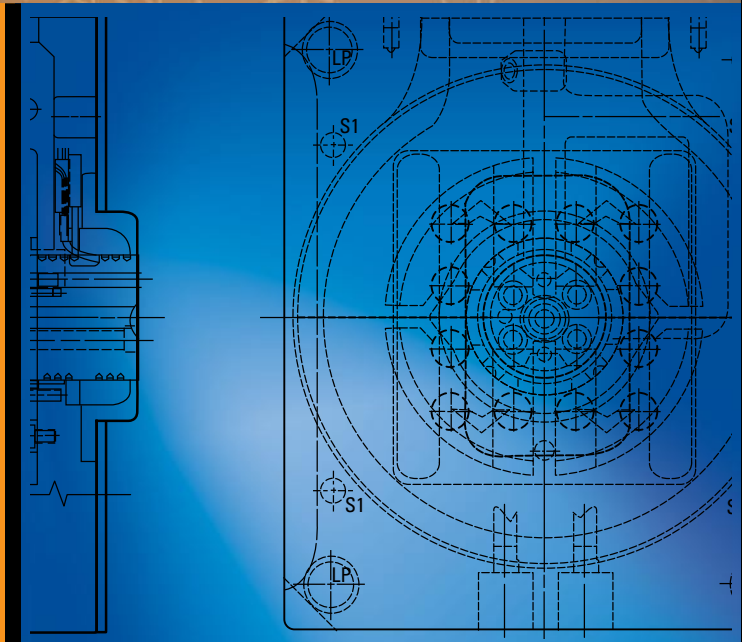
*Contact D-M-E for Higher Cavitation

**MANIFOLD DESIGN, SPECIFICATION & TOLERANCE STANDARDS
HARMONIZED FOR GLOBAL PRODUCT OFFERING
AMERICAS – EUROPE – ASIA – AUSTRALIA / NEW ZEALAND**

U.S. 800-626-6653 ■ Canada 800-387-6600 ■ www.dme.net

D-M-E Customer Design Criteria (CDC) Forms

DESIGN CRITERIA DOCUMENTS
FOR HOT RUNNER SYSTEMS



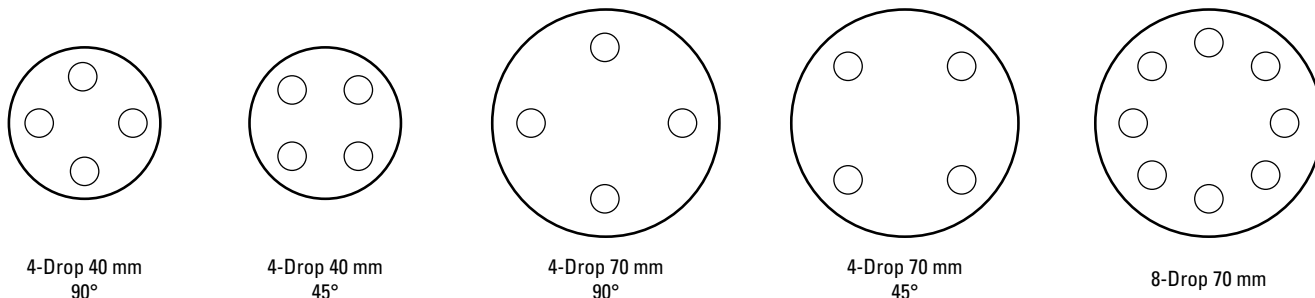
Customer Design Criteria (CDC) Forms

Stellar Quick Delivery Systems – 1

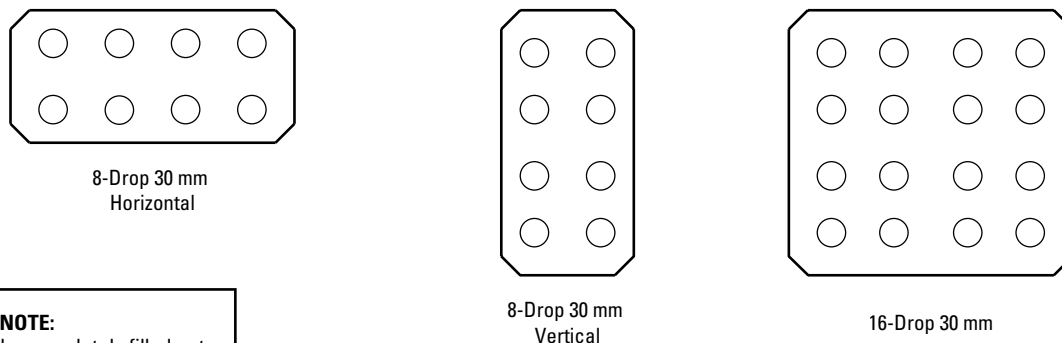
APPLICATIONS ENGINEERING		CUSTOMER DESIGN CRITERIA		Tool delivery is based upon receipt of this completed document at D-M-E.
AE004.20	05-26-04	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL – SEE NOTES ON NEXT PAGE GENERIC NAME: _____ BRAND NAME: _____
Z DIM: (GATE TO TOP OF MOLD STEEL)	CUSTOMER EMAIL ADDRESS:		PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C (SEE NEXT PAGE FOR PART WEIGHT AND FLOW CAPACITIES)	
		FORMAT: <input type="checkbox"/> DXF <input type="checkbox"/> IGES <input type="checkbox"/> DWG		

STELLAR QUICK DELIVERY SYSTEMS

STELLAR 1 ROUND MNAs – MANIFOLD OPTIONS



STELLAR 2 RECTANGULAR MNAs – MANIFOLD OPTIONS

**NOTE:**

This page **MUST** be completely filled out and returned to D-M-E in order to proceed. Please refer to all information on following page prior to completing this form.

Return completed forms to D-M-E Company – Madison Heights, MI.

email address: appl_eng@dme.net

DELIVERY SCHEDULE: Stellar 1 (3-5 days) following receipt of all customer information.

fax #: 248-544-5707

Stellar Quick Delivery Systems – 1

NOTES:

1. These systems are designed to process materials that do not contain fillers or flame retardants.
2. Maximum process temperature = 600° F/315° C.
3. Maximum part weight allowed: SEE CHART BELOW
4. These systems are designed to operate at 240 volt/3-phase.
5. Refer to Stellar MNA Design & Assembly guides for additional information.

GATING STYLE	FLOW CAPACITY IN GRAMS			
	GATE DIAMETER	LOW VISCOSITY MFI >16	MEDIUM VISCOSITY MFI 7-16	HIGH VISCOSITY MFI .02-7
Stellar Point Gate Tip	1.0 mm/0.040 in	12	12	5
	1.5 mm/0.060 in	16	16	12
Stellar Sprue Gate Tip	2.0 mm/0.080 in	40	30	20



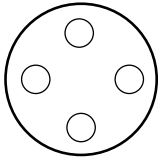
All CDC Forms in this section can be found at:
www.dme.net/CDC

Stellar Quick Delivery Systems – 2

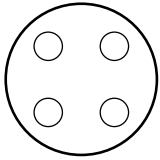
APPLICATIONS ENGINEERING		CUSTOMER DESIGN CRITERIA		Tool delivery is based upon receipt of this completed document at D-M-E.	
AE004.21	05-26-04	*BLUE AREAS ARE FOR D-M-E USE ONLY*			
CUSTOMER NAME:		DATE	ACCOUNT #	VERIFIED BY:	
CONTACT NAME:		PHONE #	FAX #		
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL	
Z DIM: (GATE TO TOP OF MOLD STEEL)		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____	
		FORMAT: <input type="checkbox"/> DXF <input type="checkbox"/> IGES <input type="checkbox"/> DWG		BRAND NAME: _____	
				PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C	

STELLAR QUICK DELIVERY SYSTEMS

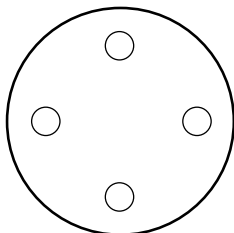
STELLAR 2 ROUND MNAs – MANIFOLD OPTIONS



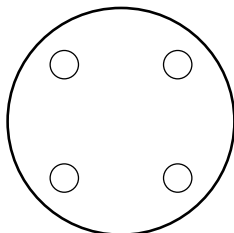
4-Drop 40 mm
90°



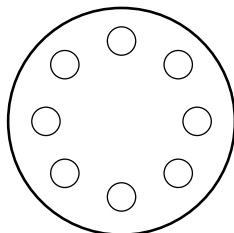
4-Drop 40 mm
45°



4-Drop 70 mm
90°

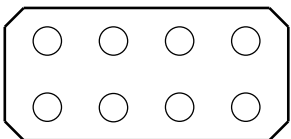


4-Drop 70 mm
45°

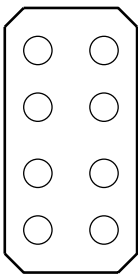


8-Drop 70 mm

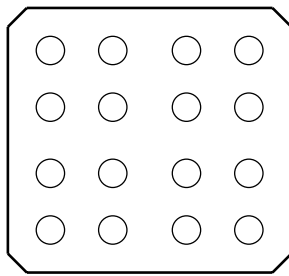
STELLAR 2 RECTANGULAR MNAs – MANIFOLD OPTIONS



8-Drop 30 mm
Horizontal



8-Drop 30 mm
Vertical

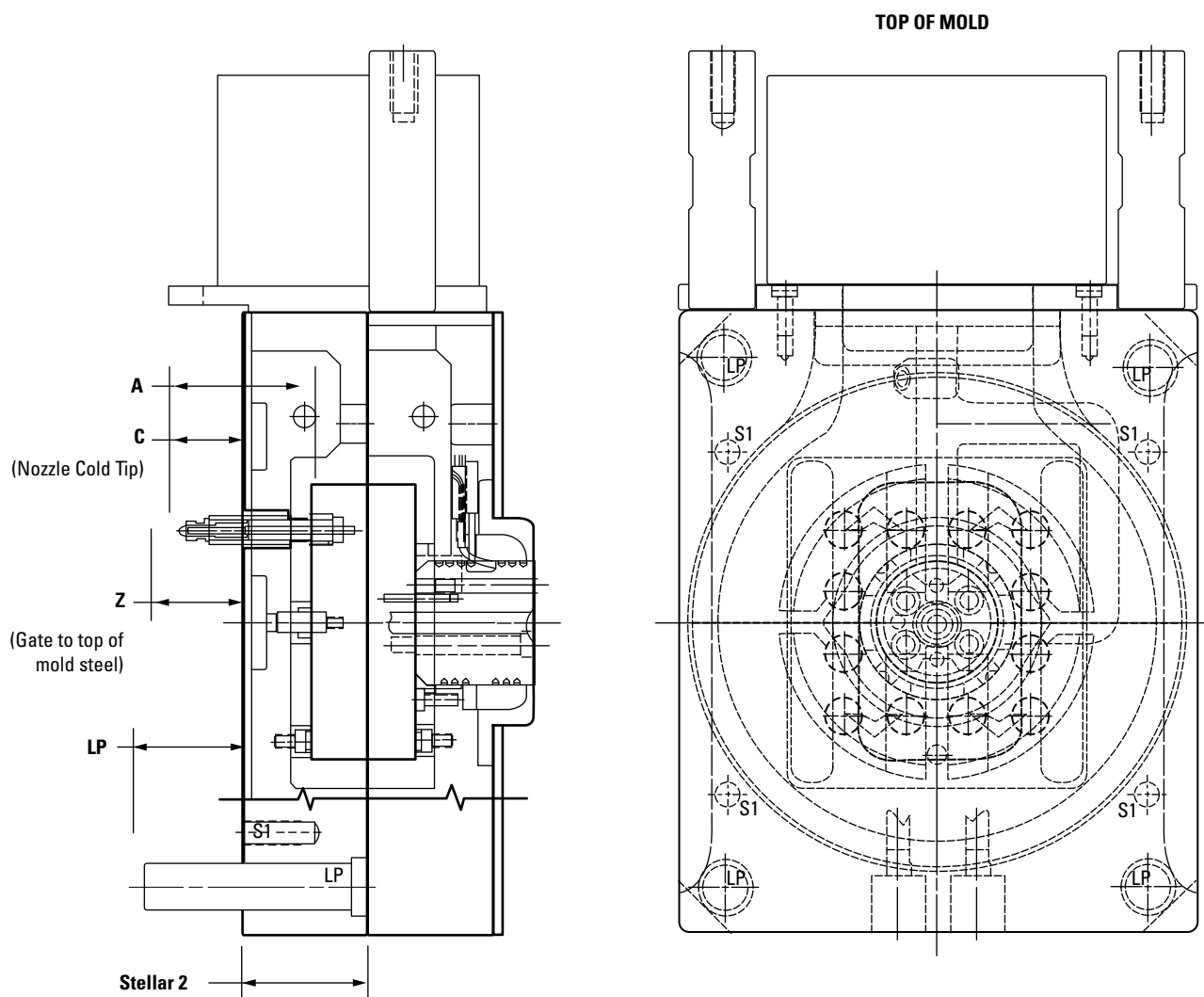


16-Drop 30 mm

NOTE:
This page **MUST** be completely filled out and returned to D-M-E in order to proceed. Please refer to all information on following page prior to completing this form.

Return completed forms to D-M-E Company – Madison Heights, MI.	email address: appl_eng@dme.net fax #: 248-544-5707
DELIVERY SCHEDULE: Stellar 2 (5 days) following receipt of all customer information.	

Stellar Quick Delivery Systems – 2



Fixed Nozzle Plate Thickness
60.32 [2.375]

Metric Calculation

$$Z = C + [(Process\ temp\ ^\circ C - 20) \times (0.00016)] \times A$$

Inch Calculation

$$Z = C + [(Process\ temp\ ^\circ F - 68) \times (0.0000063)] \times A$$

NOZZLE	TIP	A	STELLAR 2 C	STELLAR 2 LP
ITEM NO	ITEM NO			
SXY8065	SXG4010 POINT	65.10	31.12	47.63
SXY8085		85.10	51.12	73.03
SXY8105		105.10	71.12	85.73
SXY4065	SXT1040 SPRUE	65.10	31.12	47.63
SXY4085		85.10	51.12	73.03
SXY4105		105.10	71.12	85.73

NOTE: Dimensions in brackets are in inches. All others are in millimeters.

Stellar Quick Delivery Systems – 2

ROUND ASSEMBLY SELECTION CHART

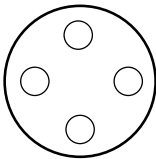
DESCRIPTION	REFERENCE ASSEMBLY NUMBER	MNA	NOZZLE	TIP	LOCATING RING	MANIFOLD EXTENSION NOZZLE	TERMINAL BOX		
ROUND	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.		
4-Drop 40 mm 90 Degree	SRD4004-2-0808P065N	SRD4004	SXY8065	SXG4010 POINT	SXL1101	SXX1010	PTC-8-TB-TS		
	SRD4004-2-0808P085N		SXY8085						
	SRD4004-2-0808P105N		SXY8105						
	SRD4004-2-0808S065N		SXY8065	SXT1040 SPRUE					
	SRD4004-2-0808S085N		SXY8085						
	SRD4004-2-0808S105N		SXY8105						
4-Drop 40 mm 45 Degree	SRD4004-2-0808P065F		SXY8065	SXG4010 POINT				SXX1010	PTC-8-TB-TS
	SRD4004-2-0808P085F		SXY8085						
	SRD4004-2-0808P105F		SXY8105						
	SRD4004-2-0808S065F		SXY8065	SXT1040 SPRUE					
	SRD4004-2-0808S085F		SXY8085						
	SRD4004-2-0808S105F		SXY8105						
4-Drop 70 mm 90 Degree	SRD7004-2-1012P065N	SRD7004	SXY8065	SXG4010 POINT	SXL1101	SXX1010	PTC-8-TB-TS		
	SRD7004-2-1012P085N		SXY8085						
	SRD7004-2-1012P105N		SXY8105						
	SRD7004-2-1012S065N		SXY8065	SXT1040 SPRUE					
	SRD7004-2-1012S085N		SXY8085						
	SRD7004-2-1012S105N		SXY8105						
4-Drop 70 mm 45 Degree	SRD7004-2-1012P065F		SXY8065	SXG4010 POINT				SXX1010	PTC-8-TB-TS
	SRD7004-2-1012P085F		SXY8085						
	SRD7004-2-1012P105F		SXY8105						
	SRD7004-2-1012S065F		SXY8065	SXT1040 SPRUE					
	SRD7004-2-1012S085F		SXY8085						
	SRD7004-2-1012S105F		SXY8105						
8-Drop 70 mm	SRD7008-2-1012P065	SRD7008	SXY8065	SXG4010 POINT	SXX1012	PTC-12-TB-TS			
	SRD7008-2-1012P085		SXY8085						
	SRD7008-2-1012P105		SXY8105						
	SRD7008-2-1012S065		SXY8065	SXT1040 SPRUE					
	SRD7008-2-1012S085		SXY8085						
	SRD7008-2-1012S105		SXY8105						

Stellar Quick Delivery Systems – 3

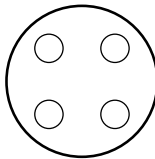
APPLICATIONS ENGINEERING		CUSTOMER DESIGN CRITERIA		Tool delivery is based upon receipt of this completed document at D-M-E.
AE004.22	05-26-04	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL – SEE PAGE 20 NOTES GENERIC NAME: _____ BRAND NAME: _____
Z DIM: (GATE TO TOP OF MOLD STEEL)	CUSTOMER EMAIL ADDRESS:		PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C (SEE PAGE 20 FOR PART WEIGHT AND FLOW CAPACITIES)	
FORMAT: <input type="checkbox"/> DXF <input type="checkbox"/> IGES <input type="checkbox"/> DWG				

STELLAR QUICK DELIVERY SYSTEMS

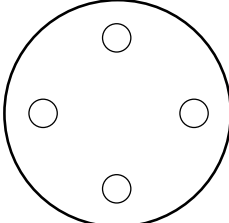
STELLAR 3 ROUND MNAs – MANIFOLD OPTIONS



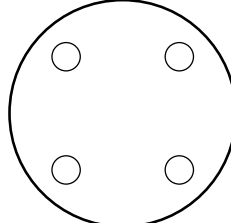
4-Drop 40 mm
90°



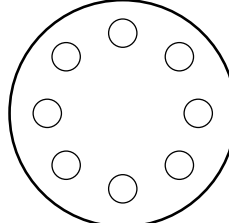
4-Drop 40 mm
45°



4-Drop 70 mm
90°

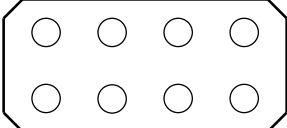


4-Drop 70 mm
45°

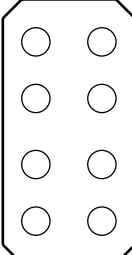


8-Drop 70 mm

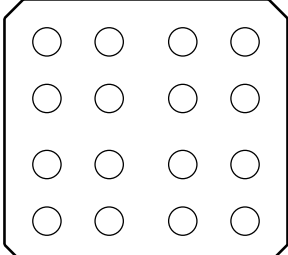
STELLAR 3 RECTANGULAR MNAs – MANIFOLD OPTIONS



8-Drop 30 mm
Horizontal



8-Drop 30 mm
Vertical

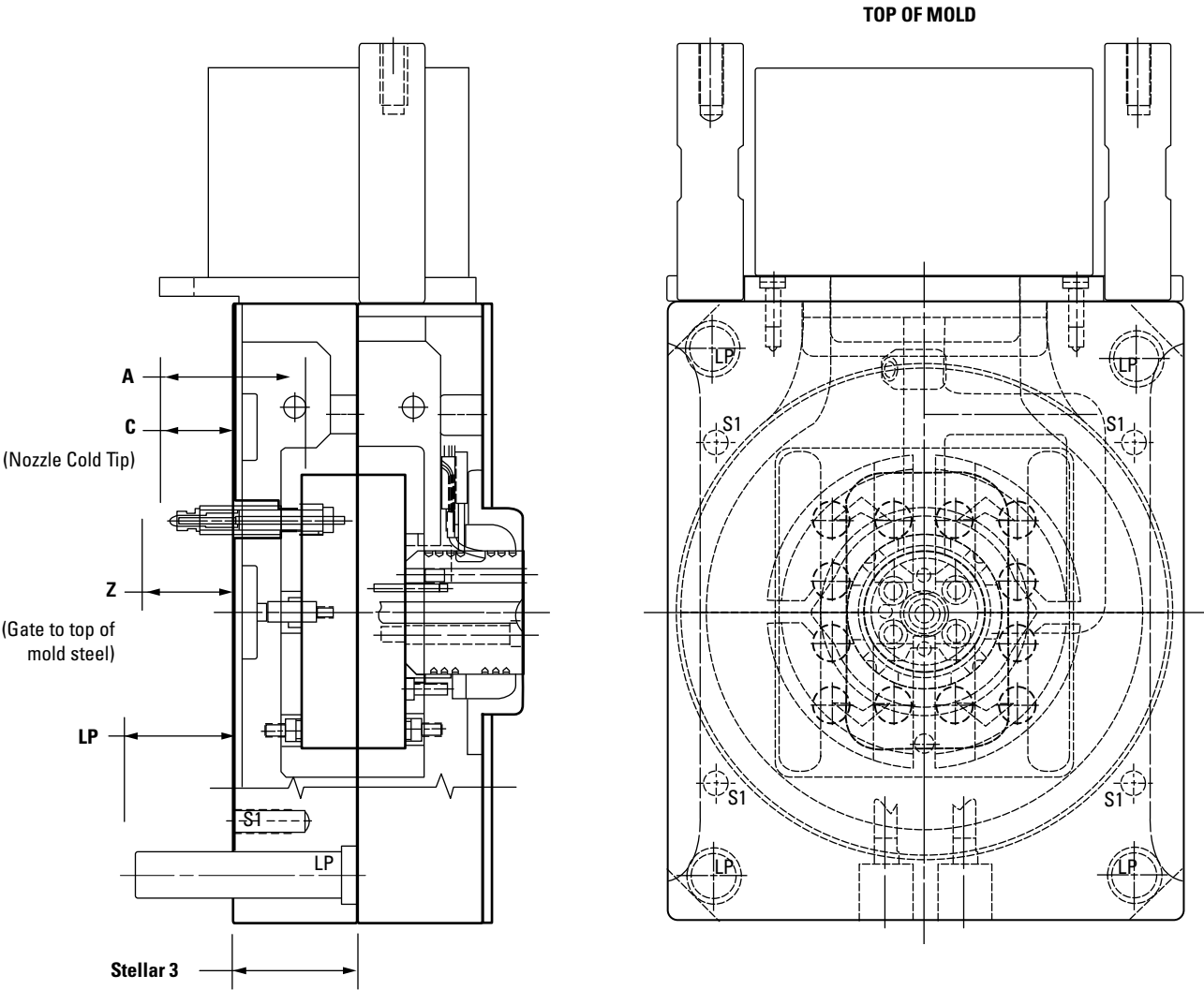


16-Drop 30 mm

NOTE:
This page **MUST** be completely filled out and returned to D-M-E in order to proceed. Please refer to all information on following page prior to completing this form.

Return completed forms to D-M-E Company – Madison Heights, MI.	email address: appl_eng@dme.net fax #: 248-544-5707
DELIVERY SCHEDULE: Stellar 3 (10 days) following receipt of all customer information.	

Stellar Quick Delivery Systems – 3



Variable Nozzle Plate Thickness
MAX = 79.23 [3.125]
MIN = 60.32 [2.375]

Metric Calculation
$Z = C + [(Process\ temp\ ^\circ C - 20) \times (0.00016)] \times A$
Inch Calculation
$Z = C + [(Process\ temp\ ^\circ F - 68) \times (0.000063)] \times A$

NOZZLE	TIP	A	STELLAR 3 C		STELLAR 3 LP	
ITEM NO	ITEM NO		MIN	MAX	MIN	MAX
SXY8065	SXG4010 POINT	65.10	13.00	31.12	28.58	47.63
SXY8085		85.10	32.07	51.12	34.95	73.03
SXY8105		105.10	52.07	71.12	66.68	85.73
SXY4065	SXT1040 SPRUE	65.10	13.00	31.12	28.58	47.63
SXY4085		85.10	32.07	51.12	34.95	73.03
SXY4105		105.10	52.07	71.12	66.68	85.73

NOTE: Dimensions in brackets are in inches. All others are in millimeters.

Stellar Quick Delivery Systems – 3

ROUND ASSEMBLY SELECTION CHART

DESCRIPTION	REFERENCE ASSEMBLY NUMBER	MNA	NOZZLE	TIP	LOCATING RING	MANIFOLD EXTENSION NOZZLE	TERMINAL BOX			
ROUND	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.			
4-Drop 40 mm 90 Degree	SRD4004-3-0808P065N	SRD4004	SXY8065	SXG4010 POINT	SXL1101	SXX1010	PTC-8-TB-TS			
	SRD4004-3-0808P085N		SXY8085							
	SRD4004-3-0808P105N		SXY8105							
	SRD4004-3-0808S065N		SXY8065	SXT1040 SPRUE						
	SRD4004-3-0808S085N		SXY8085							
	SRD4004-3-0808S105N		SXY8105							
4-Drop 40 mm 45 Degree	SRD4004-3-0808P065F		SXY8065	SXG4010 POINT				SXL1101	SXX1010	PTC-8-TB-TS
	SRD4004-3-0808P085F		SXY8085							
	SRD4004-3-0808P105F		SXY8105							
	SRD4004-3-0808S065F		SXY8065	SXT1040 SPRUE						
	SRD4004-3-0808S085F		SXY8085							
	SRD4004-3-0808S105F		SXY8105							
4-Drop 70 mm 90 Degree	SRD7004-3-1012P065N	SRD7004	SXY8065	SXG4010 POINT	SXL1101	SXX1010	PTC-8-TB-TS			
	SRD7004-3-1012P085N		SXY8085							
	SRD7004-3-1012P105N		SXY8105							
	SRD7004-3-1012S065N		SXY8065	SXT1040 SPRUE						
	SRD7004-3-1012S085N		SXY8085							
	SRD7004-3-1012S105N		SXY8105							
4-Drop 70 mm 45 Degree	SRD7004-3-1012P065F		SXY8065	SXG4010 POINT				SXL1101	SXX1010	PTC-8-TB-TS
	SRD7004-3-1012P085F		SXY8085							
	SRD7004-3-1012P105F		SXY8105							
	SRD7004-3-1012S065F		SXY8065	SXT1040 SPRUE						
	SRD7004-3-1012S085F		SXY8085							
	SRD7004-3-1012S105F		SXY8105							
8-Drop 70 mm	SRD7008-3-1012P065	SRD7008	SXY8065	SXG4010 POINT	SXL1101	SXX1012	PTC-12-TB-TS			
	SRD7008-3-1012P085		SXY8085							
	SRD7008-3-1012P105		SXY8105							
	SRD7008-3-1012S065		SXY8065	SXT1040 SPRUE						
	SRD7008-3-1012S085		SXY8085							
	SRD7008-3-1012S105		SXY8105							

Stellar Quick Delivery Systems – 3

RECTANGULAR ASSEMBLY SELECTION CHART

DESCRIPTION	REFERENCE ASSEMBLY NUMBER	MNA	NOZZLE	TIP	LOCATING RING	MANIFOLD EXTENSION NOZZLE	TERMINAL BOX		
RECTANGULAR	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.	ITEM NO.		
8-Drop 30 mm Horizontal	SRC3308-3-1012P065H	SRC3308	SXY8065	SXG4010 POINT	GXL2001	SXX1010	PTC-12-TB-TS		
	SRC3308-3-1012P085H		SXY8085						
	SRC3308-3-1012P105H		SXY8105						
	SRC3308-3-1012S065H		SXY8065	SXT1040 SPRUE					
	SRC3308-3-1012S085H		SXY8085						
	SRC3308-3-1012S105H		SXY8105						
8-Drop 30 mm Vertical	SRC3308-3-1012P065V		SXY8065	SXG4010 POINT					
	SRC3308-3-1012P085V		SXY8085						
	SRC3308-3-1012P105V		SXY8105						
	SRC3308-3-1012S065V		SXY8065	SXT1040 SPRUE					
	SRC3308-3-1012S085V		SXY8085						
	SRC3308-3-1012S105V		SXY8105						
16-Drop 30 mm Version 1	SRC3316-3-1012P065A	SRC3316	SXY8065	SXG4010 POINT			PTC-24TBG-TS		
	SRC3316-3-1012P085A		SXY8085						
	SRC3316-3-1012P105A		SXY8105						
	SRC3316-3-1012S065A		SXY8065	SXT1040 SPRUE					
	SRC3316-3-1012S085A		SXY8085						
	SRC3316-3-1012S105A		SXY8105						
16-Drop 30 mm Version 2	SRC3316-3-1012P065B		SXY8065	SXG4010 POINT					(2) IMB-1200
	SRC3316-3-1012P085B		SXY8085						
	SRC3316-3-1012P105B		SXY8105						
	SRC3316-3-1012S065B		SXY8065	SXT1040 SPRUE					
	SRC3316-3-1012S085B		SXY8085						
	SRC3316-3-1012S105B		SXY8105						

NOTES:

- These systems are designed to process materials that do not contain fillers or flame retardants.
- Maximum process temperature = 600° F/315° C.
- Maximum part weight allowed: SEE CHART BELOW.
- Z dim is determined based on nozzle cold tip length and expansion factor.
- Nozzle plate thickness is determined based upon Z dim.
- Manifold Extension Nozzles have both ¾ and ½ spherical radius.
- These systems are supplied assembled, wired, and tested.
- ø7/8 leader pins are provided at standard locations.
- These systems are designed to operate at 240 volt/ 3-phase.
- S1 screws are ½-13 SHCS.
- Refer to Stellar MNA Design & Assembly guides for additional information.

GATING STYLE	FLOW CAPACITY IN GRAMS			
	GATE DIAMETER	LOW VISCOSITY MFI >16	MEDIUM VISCOSITY MFI 7-16	HIGH VISCOSITY MFI .02-7
Stellar Point Gate Tip	1.0 mm/0.040 in	12	12	5
	1.5 mm/0.060 in	16	16	12
Stellar Sprue Gate Tip	2.0 mm/0.080 in	40	30	20

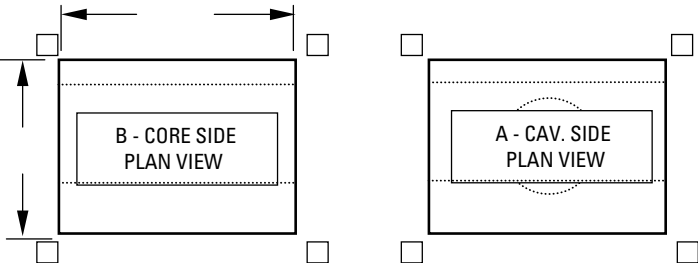
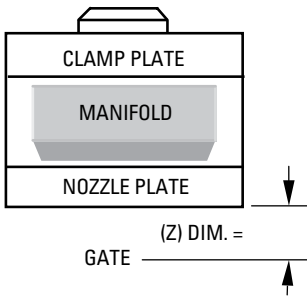
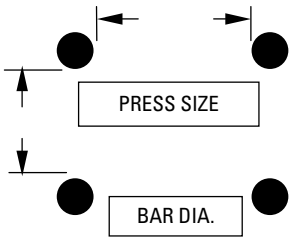
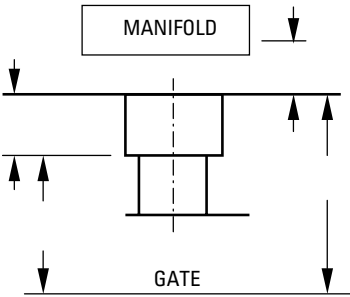
Cool One System

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE-004-3-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL GENERIC NAME: _____ BRAND NAME: _____
D-M-E STAT #	QUOTE #	P.O. #	JOB #	FILLER: _____ PROCESS TEMP: _____
MAXIMUM MOLD HEIGHT:		<h2 style="text-align: center;">COOL ONE SYSTEM</h2> <p>SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX; WATER ENTRANCE & EXIT</p> <p style="text-align: center;">(Z) DIM. =</p> <p style="text-align: center;">GATE</p>		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):				
MOLD BASE SIZE: ADD SIZE				
ASSEMBLY SCREW DIRECTION: ASSEMBLY SCREW LOCATION:				
TYPE OF ALIGNMENT: QUANTITY REQUIRED: <input type="checkbox"/> 2 <input type="checkbox"/> 4				
ASSEMBLY SCREW AND ALIGNMENT DETERMINED BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
CLAMP LEDGE REQUIRED: <input type="checkbox"/> 7/8 <input type="checkbox"/> 1-3/8 OTHER:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:				
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		COMMENTS:		
CUSTOMER REQUESTS CAD DATA				
TYPE: FORMAT: FTP: E-MAIL:				

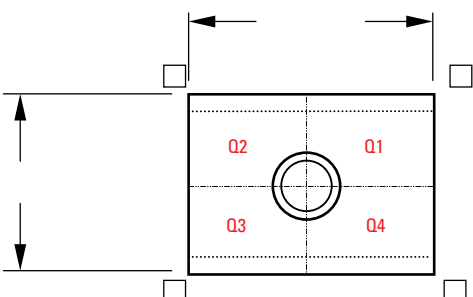
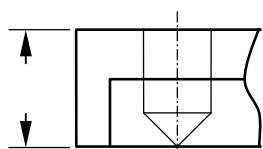
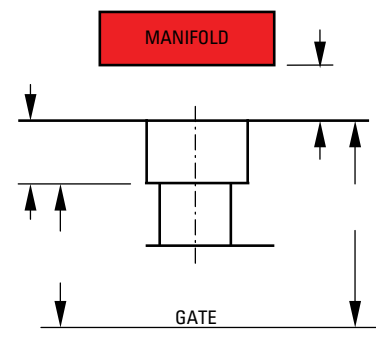
Hot One Package System

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE-004-1-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL
D-M-E STAT #	QUOTE #	P.O. #	JOB #	GENERIC NAME: _____ BRAND NAME: _____ FILLER: _____ PROCESS TEMP: _____
MAXIMUM MOLD HEIGHT:		<h2 style="text-align: center;">HOT ONE PACKAGE SYSTEM</h2> <p>SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX; WATER ENTRANCE & EXIT</p> <p style="text-align: center;">(Z) DIM. =</p> <p style="text-align: center;">GATE</p>		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):				
MOLD BASE SIZE: ADD SIZE				
ASSEMBLY SCREW DIRECTION: ASSEMBLY SCREW LOCATION:				
TYPE OF ALIGNMENT: QUANTITY REQUIRED: <input type="checkbox"/> 2 <input type="checkbox"/> 4				
ASSEMBLY SCREW AND ALIGNMENT DETERMINED BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
CLAMP LEDGE REQUIRED: <input type="checkbox"/> 7/8 <input type="checkbox"/> 1 - 3/8 OTHER:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:				
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		TIP TYPE: (T) DIA. OF SPRUE/RING GATE:		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
CUSTOMER REQUESTS CAD DATA TYPE: FORMAT: FTP: E-MAIL:		COMMENTS:		

Hot One Manifold and Components

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE004-2-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL GENERIC NAME: _____ BRAND NAME: _____
D-M-E STAT #	QUOTE #	P.O. #	JOB #	FILLER: _____ PROCESS TEMP: _____
MAXIMUM MOLD HEIGHT:		HOT ONE MANIFOLD & COMPONENTS		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):		SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX;		
MOLD BASE SIZE: ADD SIZE:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
SKETCH AREA (IF NEEDED)				
				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:		NOZZLE TYPE: TIP TYPE: (T) DIA. OF SPRUE/RING GATE:		FLOW DIA: PRIMARY = SECONDARY = TERNARY = SYMMETRICALLY BALANCED: # OF DROPS =
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		COMMENTS:		
ELECTRONIC DATA REQUIRED: TYPE: FORMAT: FTP: E-MAIL:				

Hot One QDS Manifold and Component System

APPLICATIONS ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:	
AE.004.23	04-01-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*			
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:	
CONTACT NAME:		PHONE #	FAX #	MATERIAL	
<input type="checkbox"/> CHECK TO WAVE VERIFICATION				GENERIC NAME: _____	
				BRAND NAME: _____	
D-M-E STAT #	QUOTE #	P.O. #	JOB #	FILLER: _____	
				PROCESS TEMP: _____	
* MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4		<h2 style="margin: 0;">HOT ONE QDS M&C SYSTEM</h2> <h3 style="margin: 0;">(2&4 DROP)</h3> <p style="margin: 0;">TOP OF MOLD; OFFSET CORNER; OPERATOR SIDE; ELECTRICAL BOX</p> <p style="margin: 0;">DROP LOCATION: Q1> X= , Y= , ZONE #</p> <p style="margin: 0;">DROP LOCATION: Q2> X= , Y= , ZONE #</p> <p style="margin: 0;">DROP LOCATION: Q3> X= , Y= , ZONE #</p> <p style="margin: 0;">DROP LOCATION: Q4> X= , Y= , ZONE #</p> <div style="text-align: center; margin: 10px 0;">  </div> <div style="text-align: center; margin: 10px 0;">  <p style="color: red; font-size: small;">* (GATE) Z-DIM. =</p> </div> <p style="font-size: small; margin-top: 10px;">NOTE: Plan view shown is viewed from top side of tool.</p>			
* TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED					
* OPERATING VOLTAGE: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:					
* PHASE REQUIRED: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE					
MAXIMUM MOLD HEIGHT: MOLD BASE SIZE:					
SKETCH AREA (IF NEEDED) <div style="text-align: center; margin-top: 10px;">  </div>					
ELECTRONIC DATA REQUIREMENT FORMAT: CUSTOMER E-MAIL ADDRESS:		NOZZLE TYPE: TIP TYPE: (T) DIA. OF SPRUE/RING GATE:		FLOW DIA: PRIMARY = SECONDARY = TERNARY = SYMMETRICALLY BALANCED: # OF DROPS =	
<p>*NOTE: All items need to be filled out, with red items being of highest importance, and form emailed back at time of purchase order.</p>					
COMMENTS:					
Return completed form to D-M-E company at: appl_eng@dme.net Electronic version available at D-M-E web site under: D-M-E brochures and application guides.					

Meteor-2 Center Exit Manifold

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		1-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.14	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
MANIFOLD KIT PLUS ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____ BRAND NAME: _____ FILLER: _____ PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C

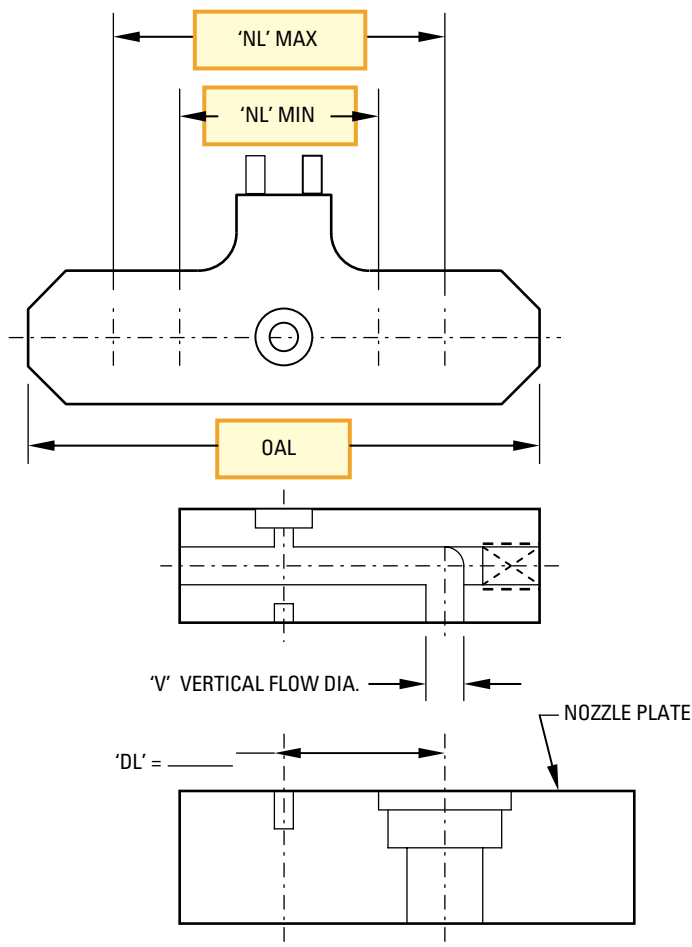
METEOR-2 CENTER EXIT MANIFOLD

Vertical flow diameter machined, end plug and set screw installed.

NOTE:
This page **MUST** be completely filled out and returned to D-M-E in order to proceed.

The vertical flow channel 'V' location will be calculated by D-M-E based on the customer's 'DL' dimension and the material process temperature.

'DL' equals the distance from the centerline of the mold to the actual drop/gate location in the mold.



Return completed form to D-M-E Company – Madison Heights, MI.
See next page for available manifold sizes.

email address: appl_eng@dme.net
fax #: 248-544-5707

Meteor-2 Center Exit Manifold

METEOR-2 CENTER EXIT MANIFOLD MANIFOLD SELECTION CHART

MANIFOLD KIT PLUS ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MCM0100KP	250 EHA 250 CIA Mini Gate-Mate Gate-Mate 4	55	2.165	100	3.937	195	7.677	9	0.354
MCM0150KP		100	3.937	150	5.906	245	9.646		
MCM0200KP		150	5.906	200	7.874	295	11.614		
MCM0300KP	375 EHA 375 CIA Gate-Mate 4	200	7.874	300	11.811	395	15.551	12	0.472
MCM0400KP		300	11.811	400	15.748	495	19.088		
MCM0500KP		400	15.748	500	19.685	595	23.425		

These systems are designed to operate on a 240 volt, 3 phase supply
NOTE: See Meteor system assembly guide for installation details.
 The above chart is for reference purposes only.



All CDC Forms in this section can be found at:
www.dme.net/CDC

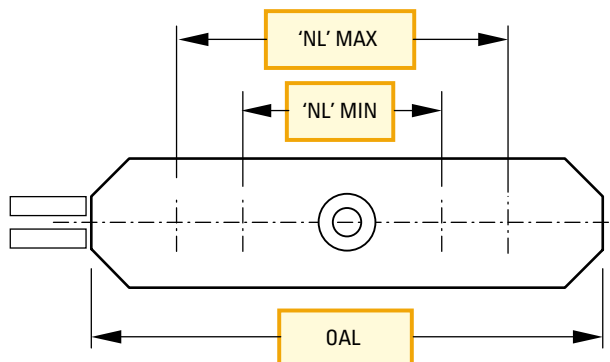
Meteor-2 In-Line End Exit Manifold

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		1-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.13	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
MANIFOLD KIT PLUS ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____
				BRAND NAME: _____
				FILLER: _____
				PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C

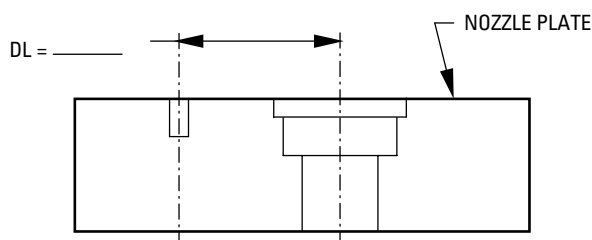
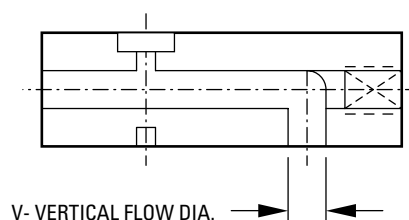
METEOR-2 IN-LINE END EXIT MANIFOLD

Vertical flow diameter machined, end plug and set screw installed.

NOTE:
This page **MUST** be completely filled out and returned to D-M-E in order to proceed.



The vertical flow channel 'V' location will be calculated by D-M-E based on the customer's 'DL' dimension and the material process temperature.



'DL' equals the distance from the centerline of the mold to the actual drop/gate location in the mold.

Return completed form to D-M-E Company – Madison Heights, MI.

See next page for available manifold sizes.

email address: appl_eng@dme.net

fax #: 248-544-5707

Meteor-2 In-Line End Exit Manifold

METEOR-2 IN-LINE END EXIT MANIFOLD
MANIFOLD SELECTION CHART

MANIFOLD KIT PLUS ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MEM0100KP	250 EHA 250 CIA Mini Gate-Mate Gate-Mate 4	55	2.165	100	3.937	195	7.677	9	0.354
MEM0150KP		100	3.937	150	5.906	245	9.646		
MEM0200KP		150	5.906	200	7.874	295	11.614		
MEM0300KP	375 EHA 375 CIA Gate-Mate 4	200	7.874	300	11.811	395	15.551	12	0.472
MEM0400KP		300	11.811	400	15.748	495	19.088		
MEM0500KP		400	15.748	500	19.685	595	23.425		

These systems are designed to operate on a 240 volt, 3 phase supply
NOTE: See Meteor system assembly guide for installation details.
The above chart is for reference purposes only.

CUSTOMER DESIGN
CRITERIA FORMS

CDC

To provide your Meteor™
application specifications,
visit www.dme.net/cdc

All CDC Forms in this section can be found at:
www.dme.net/CDC

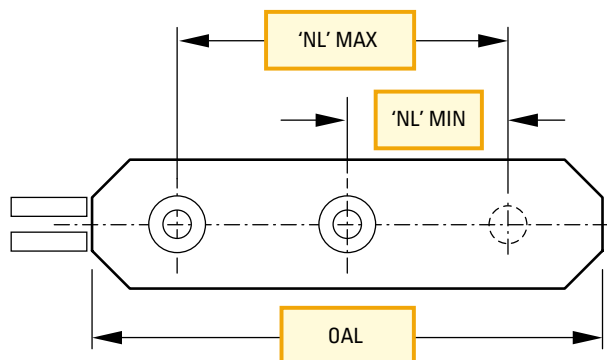
Meteor-2 Single Drop Manifold

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		1-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.19	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
MANIFOLD KIT PLUS ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____
				BRAND NAME: _____
				FILLER: _____
				PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C

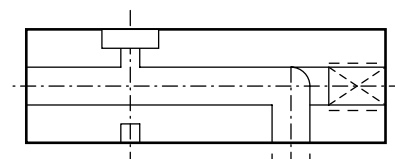
METEOR-2 SINGLE DROP MANIFOLD

Vertical flow diameter machined, end plug and set screw installed.

NOTE:
This page **MUST** be completely filled out and returned to D-M-E in order to proceed.



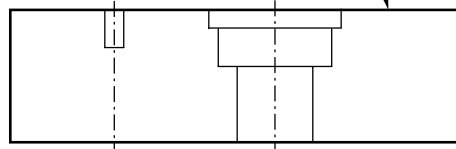
The vertical flow channel 'V' location will be calculated by D-M-E based on the customer's 'DL' dimension and the material process temperature.



V- VERTICAL FLOW DIA.

DL = _____

NOZZLE PLATE



'DL' equals the distance from the centerline of the mold to the actual drop/gate location in the mold.

Return completed form to D-M-E Company – Madison Heights, MI.

See next page for available manifold sizes.

email address: appl_eng@dme.net

fax #: 248-544-5707

Meteor-2 Single Drop Manifold

METEOR-2 SINGLE DROP MANIFOLD
MANIFOLD SELECTION CHART

MANIFOLD KIT PLUS ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MEM0100KPS	250 EHA 250 CIA Mini Gate-Mate Gate-Mate 4	55	2.165	100	3.937	195	7.677	9	0.354
MEM0150KPS		100	3.937	150	5.906	245	9.646		
MEM0200KPS		150	5.906	200	7.874	295	11.614		
MEM0300KPS	375 EHA 375 CIA Gate-Mate 4	200	7.874	300	11.811	395	15.551	12	0.472
MEM0400KPS		300	11.811	400	15.748	495	19.088		
MEM0500KPS		400	15.748	500	19.685	595	23.425		

These systems are designed to operate on a 240 volt, 3 phase supply
NOTE: See Meteor system assembly guide for installation details.
The above chart is for reference purposes only.

Customer Design Criteria Forms | Meteor-2 Single Drop Manifold

CUSTOMER DESIGN
CRITERIA FORMS

CDC

To provide your Meteor™
application specifications,
visit www.dme.net/cdc

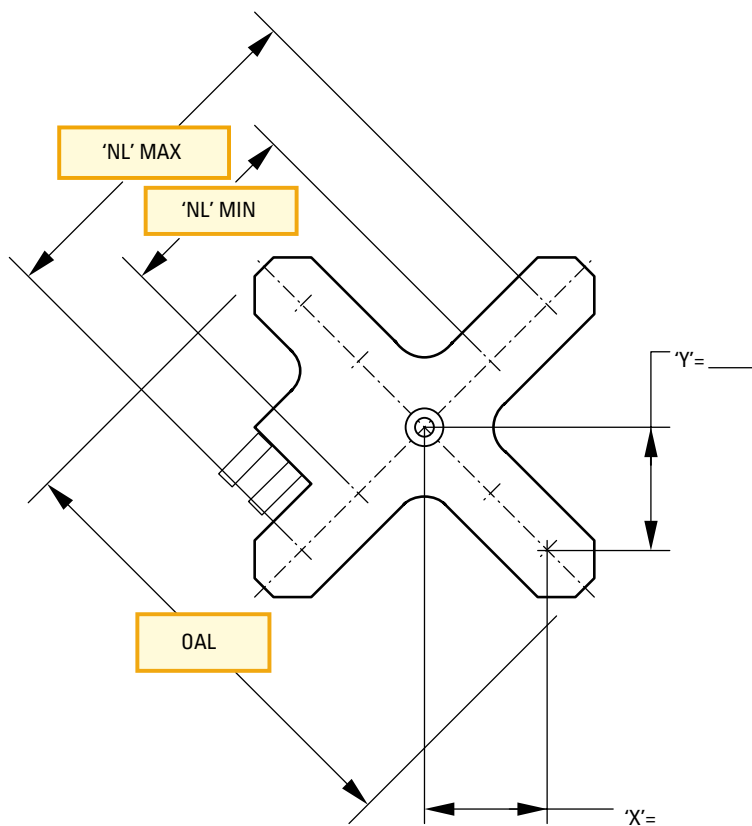
All CDC Forms in this section can be found at:
www.dme.net/CDC

Meteor-2 X-Style Manifold

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		1-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.15	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
MANIFOLD KIT PLUS ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____
				BRAND NAME: _____
				FILLER: _____
				PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C

METEOR-2 X-STYLE MANIFOLD

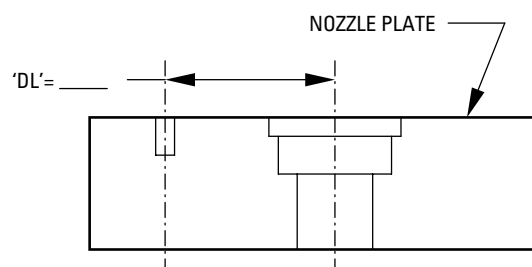
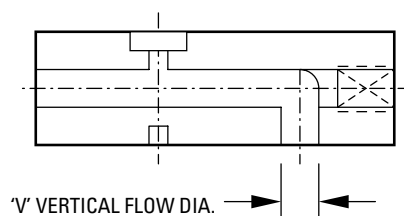
Vertical flow diameter machined, end plug and set screw installed.



NOTE:

This page **MUST** be completely filled out and returned to D-M-E in order to proceed.

The vertical flow channel **'V'** location will be calculated by D-M-E based on the customer's **'DL'** dimension and the material process temperature.



'DL' equals the diagonal distance from the centerline of the mold to the actual drop/gate location in the mold.

Return completed form to D-M-E Company – Madison Heights, MI.

See next page for available manifold sizes.

email address: appl_eng@dme.net

fax #: 248-544-5707

Meteor 2 X-Style Manifold

METEOR-2 CENTER EXIT MANIFOLD
MANIFOLD SELECTION CHART

MANIFOLD KIT PLUS ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MCM0100KP	250 EHA 250 CIA Mini Gate-Mate Gate-Mate 4	55	2.165	100	3.937	195	7.677	9	0.354
MCM0150KP		100	3.937	150	5.906	245	9.646		
MCM0200KP		150	5.906	200	7.874	295	11.614		
MCM0300KP	375 EHA 375 CIA Gate-Mate 4	200	7.874	300	11.811	395	15.551	12	0.472
MCM0400KP		300	11.811	400	15.748	495	19.088		
MCM0500KP		400	15.748	500	19.685	595	23.425		
These systems are designed to operate on a 240 volt, 3 phase supply NOTE: See Meteor system assembly guide for installation details. The above chart is for reference purposes only.									

Customer Design Criteria Forms | Meteor-2 X-Style Manifold



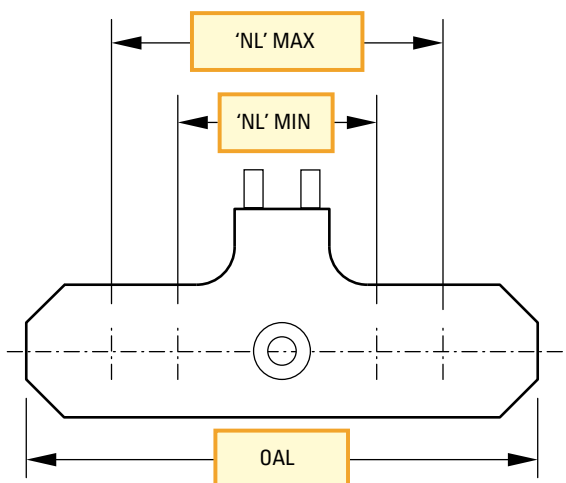
All CDC Forms in this section can be found at:
www.dme.net/CDC

Meteor-3 In-Line Center Exit

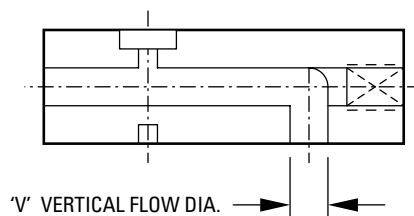
APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		3-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.17	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
HOT HALF ASSEMBLY ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____
				BRAND NAME: _____
				FILLER: _____
				PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C

METEOR-3 IN-LINE CENTER EXIT

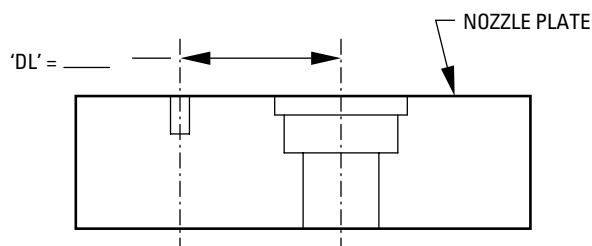
NOTE:
Pages 33 and 34 **MUST** be completely filled out and returned to D-M-E in order to proceed.



The vertical flow channel 'V' location will be calculated by D-M-E based on the customer's 'DL' dimension and the material process temperature.



'DL' equals the distance from the centerline of the mold to the actual drop/gate location in the mold.



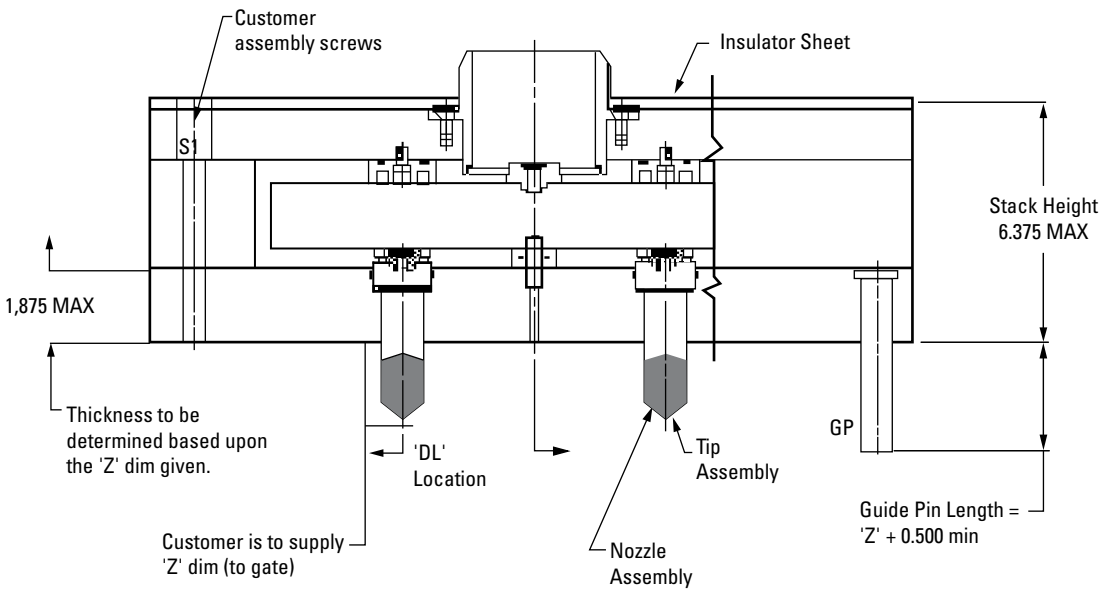
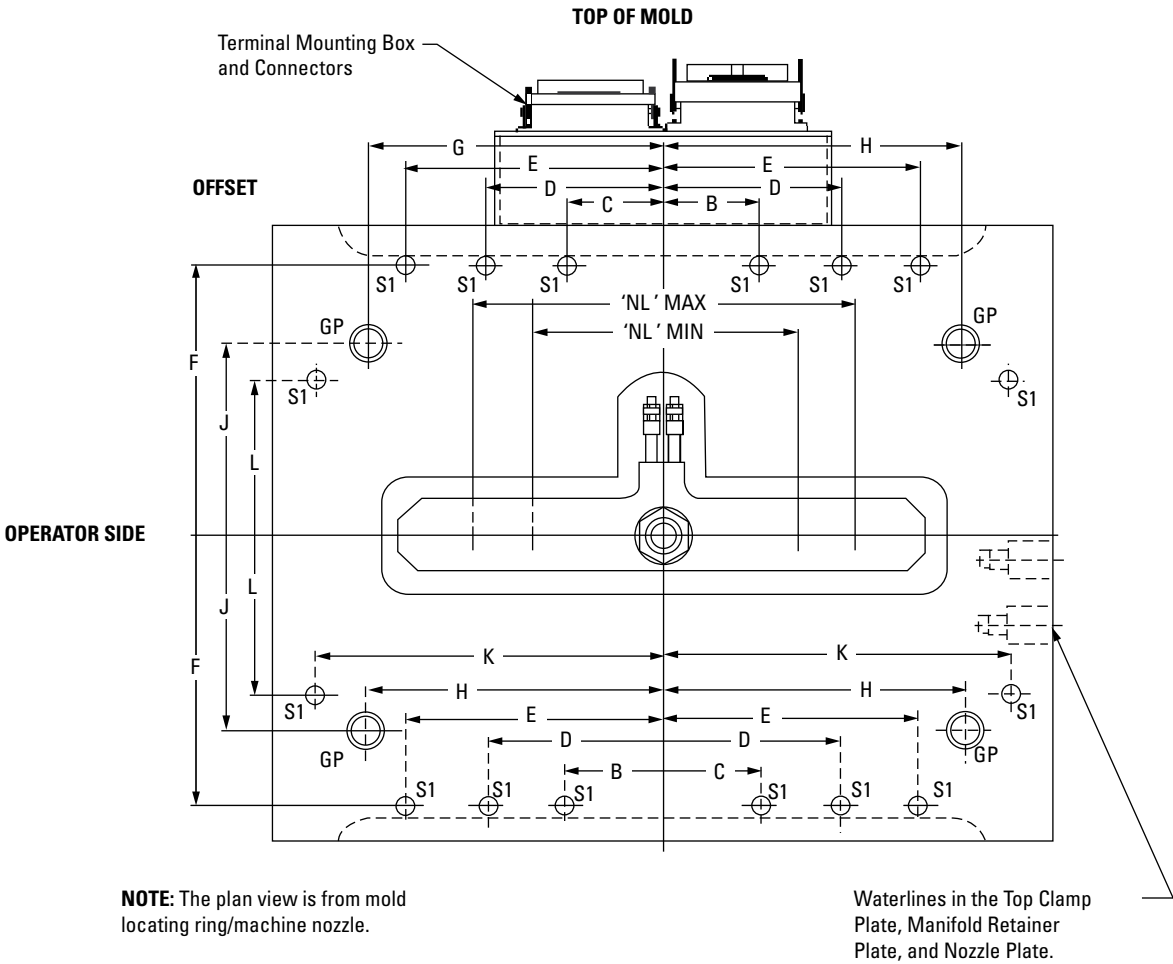
Return completed forms to D-M-E Company – Madison Heights, MI.

See page 35 for available manifold sizes.

email address: appl_eng@dme.net
fax #: 248-544-5707

Meteor-3 In-Line Center Exit

Customer Design Criteria Forms | Meteor-3 In-Line Center Exit



'Z' =	'DL' =	Nozzle Item #	Tip Item #	&	(if needed)
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Meteor-3 In-Line Center Exit

METEOR-3 CENTER EXIT MANIFOLD MANIFOLD SELECTION CHART

HOT HALF ASSEMBLY ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MCM0100KPH	250 EHA 250 CIA Mini Gate-Mate Gate-Mate 4	55	2.165	100	3.937	195	7.677	9	0.354
MCM0150KPH		100	3.937	150	5.906	245	9.646		
MCM0200KPH		150	5.906	200	7.874	295	11.614		
MCM0300KPH	375 EHA 375 CIA Gate-Mate 4	200	7.874	300	11.811	395	15.551	12	0.472
MCM0400KPH		300	11.811	400	15.748	495	19.088		
MCM0500KPH		400	15.748	500	19.685	595	23.425		

NOTES:

- All dimensions are in inches unless otherwise specified.
- ONLY** 250 Series nozzles will be used with manifolds; MCM0100KPH, MCM0150KPH, MCM0200KPH.
- High Performance nozzles (CIA) and wear resistant tips are recommended for materials processing over 500° F and/or any filled material.
- Drop locations to be within the range of 'NL' MIN and 'NL' MAX.
- $\frac{1}{16}$ " diameter waterlines with $\frac{1}{4}$ npt will be machined in the Top Clamp Plate, Manifold Retainer Plate, and Nozzle Plate.
- $\frac{3}{4}$ " diameter guide pins (4) are provided.
- D-M-E Terminal Mounting Box with Connectors is attached to the Nozzle Plate and Manifold Retainer Plate.
- S1 customer assembly screws can be tapped into the mold base from the hot half or from parting line, into the hot half. (Customer preference.)
- Nozzle Seat is supplied as combination type $\frac{1}{2}$ " and $\frac{3}{4}$ " spherical radius.
- All of the hot half systems are supplied assembled, wired, and tested.
- Pages 33 and 34 **MUST** be completely filled out in order to process the tool.
- Email and/or fax completed document to D-M-E appl_eng@dme.net.
- Refer to Meteor Assembly Guide for additional information.
- Wiring into the Terminal Mounting Box will be as shown in the table below.
- These systems are designed to operate at 240 Volt, 3 Phase supply.

HOT HALF ASSEMBLY ITEM #	D-M-E CONTROLLER	WIRING LOCATION FOR NOZZLES AND MANIFOLD					
		ZONE #1	ZONE #2	ZONE #3	ZONE #4	ZONE #5	ZONE #6
MCM0100KPH	5-ZONE	NOZZLE #1	NOZZLE #2	MANIFOLD			
MCM0150KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MCM0200KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MCM0300KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MCM0400KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MCM0500KPH		NOZZLE #1	NOZZLE #2	MANIFOLD TOP	MANIFOLD BTM		

Meteor-3 In-Line Center Exit

MOLD BASE REFERENCE INFORMATION

HOT HALF ASSEMBLY ITEM #	MOLD BASE SIZE	B	C	D	E	F	G	H	J	K	L
MCM0100KPH	1215	—	1.000	—	5.375	4.969	5.4375	5.6250	3.8125	—	—
	1315	—	1.000	—	5.375	5.719	5.4375	5.6250	4.5000	—	—
	1220	—	1.000	—	7.500	4.969	7.5625	7.7500	3.8125	—	—
	1321	—	1.000	—	7.625	5.719	7.9375	8.1250	4.1875	—	—
	1620	—	1.000	—	7.125	6.969	7.5625	7.7500	5.0000	—	—
MCM0150KPH	1220	—	1.000	—	7.500	4.969	7.5625	7.7500	3.8125	—	—
	1321	—	1.000	—	7.625	5.719	7.9375	8.1250	4.1875	—	—
	1620	—	1.000	—	7.125	6.969	7.5625	7.7500	5.0000	—	—
MCM0200KPH	1321	—	1.000	—	7.625	5.719	7.9375	8.1250	4.1875	—	—
	1524	3.625	3.625	—	8.625	6.469	8.4375	8.6250	5.0000	—	—
	1924	3.625	3.625	—	8.625	8.781	8.6875	8.8750	7.0000	—	—
MCM300KPH	1524	3.625	3.625	—	8.625	6.469	8.4375	8.6250	5.0000	—	—
	1924	3.625	3.625	—	8.625	8.781	8.6875	8.8750	7.0000	—	—
	1929	4.562	4.562	—	12.000	8.781	12.1875	12.3750	7.0000	—	—
MCM0400KPH	1826	4.000	4.000	—	10.250	7.969	10.4375	10.6250	6.0000	—	—
	1929	4.562	4.562	—	12.000	8.781	12.1875	12.3750	7.0000	—	—
	2429	4.812	4.812	—	11.750	10.844	11.5625	11.7500	8.5000	13.750	6.750
MCM0500KPH	2429	4.812	4.812	—	11.750	10.844	11.5625	11.7500	8.5000	13.750	6.750
	2435	3.875	3.875	9.625	14.750	10.844	14.6875	14.8750	8.5000	16.750	6.750

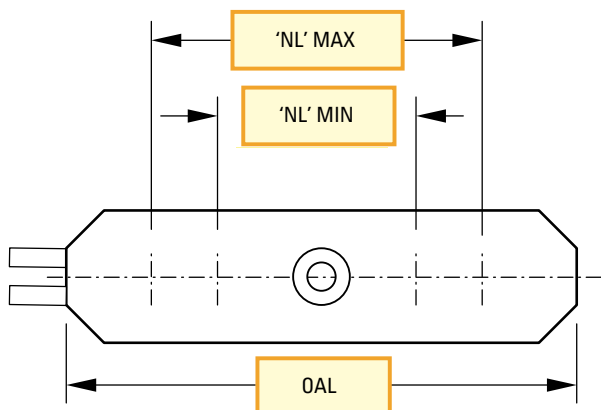
NOTE: S1 screws for 24" wide mold bases require 5/8"-11 S.H.C.S.
All other mold bases require 1/2"-13 S.H.C.S.

Meteor-3 In-Line End Exit

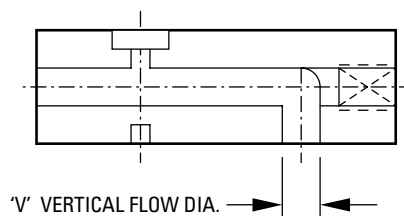
APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		3-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.16	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
HOT HALF ASSEMBLY ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____
				BRAND NAME: _____
				FILLER: _____
				PROCESS TEMP: _____ <input type="checkbox"/> °F <input type="checkbox"/> °C

METEOR-3 IN-LINE END EXIT

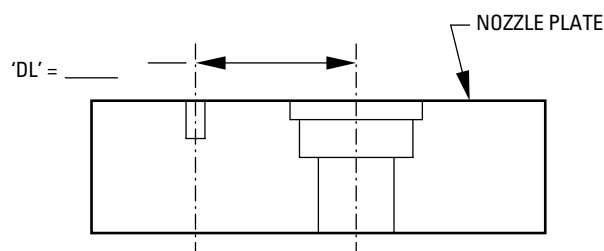
NOTE:
Pages 37 and 38 **MUST** be completely filled out and returned to D-M-E in order to proceed.



The vertical flow channel 'V' location will be calculated by D-M-E based on the customer's 'DL' dimension and the material process temperature.



'DL' equals the distance from the centerline of the mold to the actual drop/gate location in the mold.

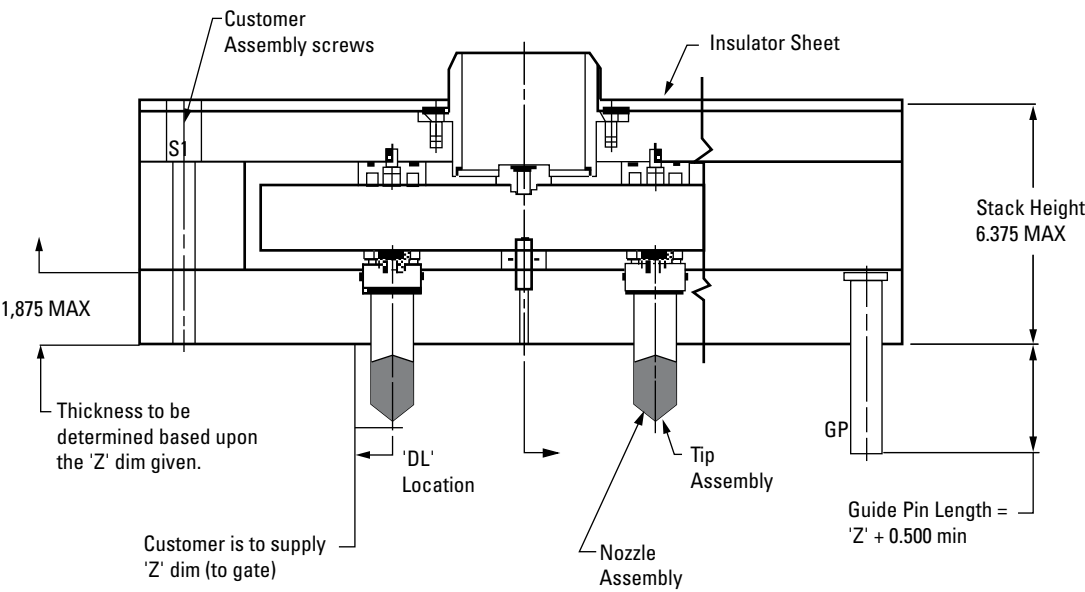
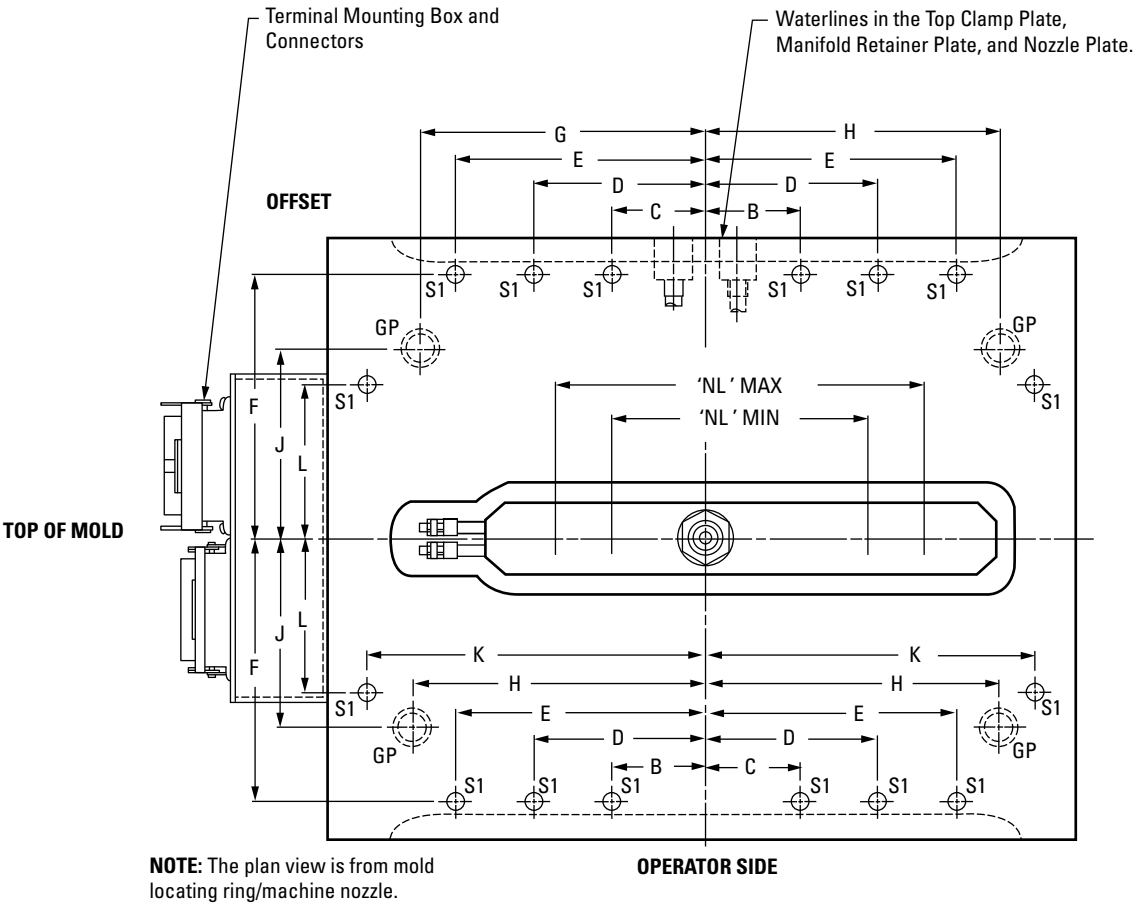


Return completed forms to D-M-E Company – Madison Heights, MI.

See page 39 for available manifold sizes.

email address: appl_eng@dme.net
fax #: 248-544-5707

Meteor-3 In-Line End Exit



'Z' =	'DL' =	Nozzle Item #	Tip Item #	&	(if needed)
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Meteor-3 In-Line End Exit

METEOR-3 END EXIT MANIFOLD MANIFOLD SELECTION CHART

HOT HALF ASSEMBLY ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MEM0100KPH	250 EHA 250 CIA Mini Gate-Mate Gate-Mate 4	55	2.165	100	3.937	195	7.677	9	0.354
MEM0150KPH		100	3.937	150	5.906	245	9.646		
MEM0200KPH		150	5.906	200	7.874	295	11.614		
MEM0300KPH	375 EHA 375 CIA Gate-Mate 4	200	7.874	300	11.811	395	15.551	12	0.472
MEM0400KPH		300	11.811	400	15.748	495	19.088		
MEM0500KPH		400	15.748	500	19.685	595	23.425		

NOTES:

- All dimensions are in inches unless otherwise specified.
- ONLY** 250 Series nozzles will be used with manifolds; MEM0100KPH, MEM0150KPH, MEM0200KPH.
- High Performance nozzles (CIA) and wear resistant tips are recommended for materials processing over 500° F and/or any filled material.
- Drop locations to be within the range of 'NL' MIN and 'NL' MAX.
- 7/16" diameter waterlines with ¼ npt will be machined in the Top Clamp Plate, Manifold Retainer Plate, and Nozzle Plate.
- ¾" diameter guide pins (4) are provided.
- D-M-E Terminal Mounting Box with Connectors is attached to the Nozzle Plate and Manifold Retainer Plate.
- S1 customer assembly screws can be tapped into the mold base from the hot half or from parting line, into the hot half. (Customer preference.)
- Nozzle Seat is supplied as combination type ½" and ¾" spherical radius.
- All of the hot half systems are supplied assembled, wired, and tested.
- Pages 37 and 38 **MUST** be completely filled out in order to process the tool.
- Email and/or fax completed document to D-M-E at appl_eng@dme.net.
- Refer to Meteor Assembly Guide for additional information.
- Wiring into the Terminal Mounting Box will be as shown in the table below.
- These systems are designed to operate at 240 Volt, 3 Phase supply.

HOT HALF ASSEMBLY ITEM #	D-M-E CONTROLLER	WIRING LOCATION FOR NOZZLES AND MANIFOLD					
		ZONE #1	ZONE #2	ZONE #3	ZONE #4	ZONE #5	ZONE #6
MEM0100KPH	5-ZONE	NOZZLE #1	NOZZLE #2	MANIFOLD			
MEM0150KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MEM0200KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MEM0300KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MEM0400KPH		NOZZLE #1	NOZZLE #2	MANIFOLD			
MEM0500KPH		NOZZLE #1	NOZZLE #2	MANIFOLD TOP	MANIFOLD BTM		

Meteor-3 In-Line End Exit

MOLD BASE REFERENCE INFORMATION

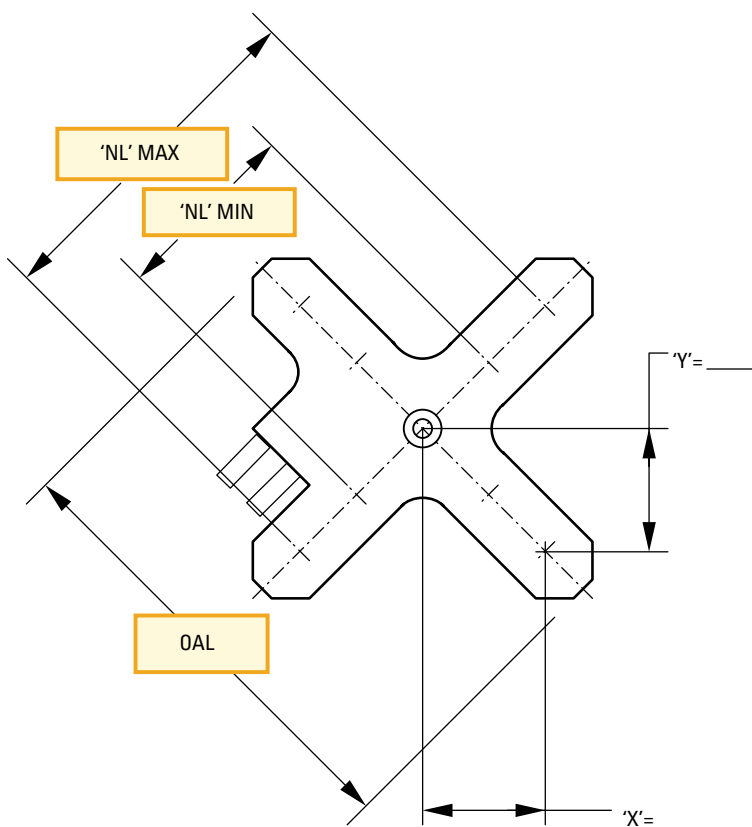
HOT HALF ASSEMBLY ITEM #	MOLD BASE SIZE	B	C	D	E	F	G	H	J	K	L
MEM0100KPH	1215	—	1.000	—	5.375	4.969	5.4375	5.6250	3.8125	—	—
	1315	—	1.000	—	5.375	5.719	5.4375	5.6250	4.5000	—	—
	1220	—	1.000	—	7.500	4.969	7.5625	7.7500	3.8125	—	—
	1321	—	1.000	—	7.625	5.719	7.9375	8.1250	4.1875	—	—
	1620	—	1.000	—	7.125	6.969	7.5625	7.7500	5.0000	—	—
MEM0150KPH	1220	—	1.000	—	7.500	4.969	7.5625	7.7500	3.8125	—	—
	1321	—	1.000	—	7.625	5.719	7.9375	8.1250	4.1875	—	—
	1620	—	1.000	—	7.125	6.969	7.5625	7.7500	5.0000	—	—
MEM0200KPH	1321	—	1.000	—	7.625	5.719	7.9375	8.1250	4.1875	—	—
	1524	3.625	3.625	—	8.625	6.469	8.4375	8.6250	5.0000	—	—
	1924	3.625	3.625	—	8.625	8.781	8.6875	8.8750	7.0000	—	—
MEM0300KPH	1524	3.625	3.625	—	8.625	6.469	8.4375	8.6250	5.0000	—	—
	1924	3.625	3.625	—	8.625	8.781	8.6875	8.8750	7.0000	—	—
	1929	4.562	4.562	—	12.000	8.781	12.1875	12.3750	7.0000	—	—
MEM0400KPH	1826	4.000	4.000	—	10.250	7.969	10.4375	10.6250	6.0000	—	—
	1929	4.562	4.562	—	12.000	8.781	12.1875	12.3750	7.0000	—	—
	2429	4.812	4.812	—	11.750	10.844	11.5625	11.7500	8.5000	13.750	6.750
MEM0500KPH	2429	4.812	4.812	—	11.750	10.844	11.5625	11.7500	8.5000	13.750	6.750
	2435	3.875	3.875	9.625	14.750	10.844	14.6875	14.8750	8.5000	16.750	6.750

NOTE: S1 screws for 24" wide mold bases require 5/8"-11 S.H.C.S.
All other mold bases require 1/2"-13 S.H.C.S.

Meteor-3 X-Style Manifold

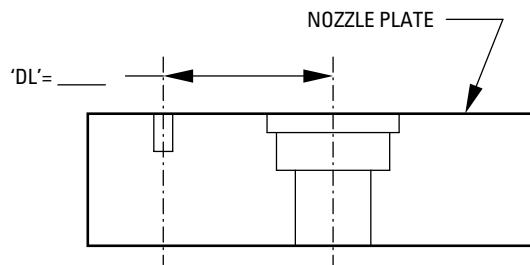
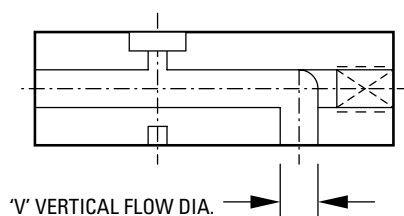
APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		3-Week delivery is based upon receipt of this completed document at D-M-E.
AE004.18	06-20-05	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	ACCOUNT #	SHOP ORDER #:
CONTACT NAME:		PHONE #	FAX #	DELIVERY DATE:
D-M-E STAT #	QUOTE #	P.O. #	JOB #	MATERIAL
HOT HALF ASSEMBLY ITEM #:		CUSTOMER EMAIL ADDRESS:		GENERIC NAME: _____
				BRAND NAME: _____
				FILLER: _____
				PROCESS TEMP: _____ °F <input type="checkbox"/> °C <input type="checkbox"/>

METEOR-3 X-STYLE MANIFOLD



NOTE:
Pages 41 and 42 **MUST** be completely filled out and returned to D-M-E in order to proceed.

The vertical flow channel 'V' location will be calculated by D-M-E based on the customer's 'DL' dimension and the material process temperature.



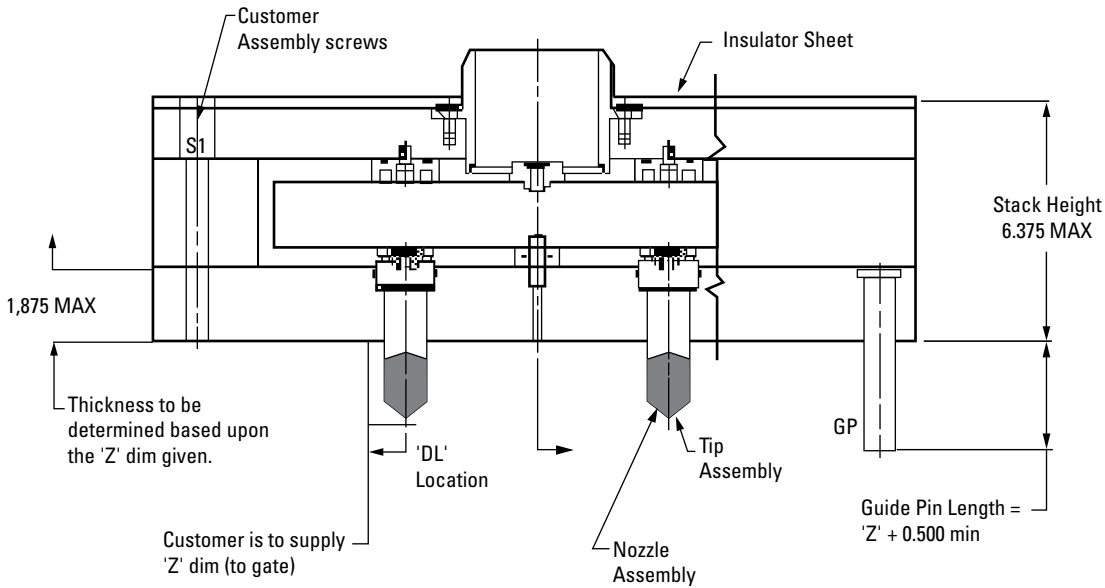
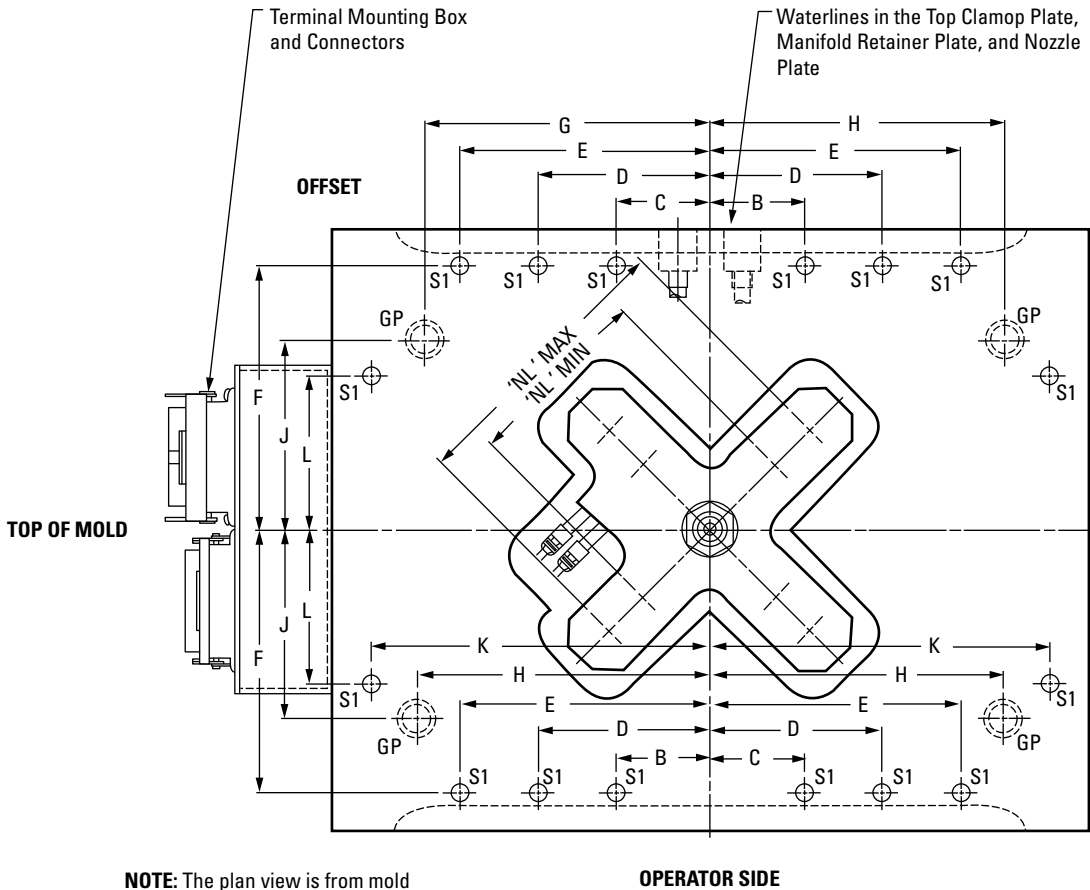
'DL' equals the diagonal distance from the centerline of the mold to the actual drop/gate location in the mold.

Return completed forms to D-M-E Company – Madison Heights, MI.

See page 43 for available manifold sizes.

email address: appl_eng@dme.net
fax #: 248-544-5707

Meteor-3 X-Style Manifold



'Z' =	'DL' =	Nozzle Item #	Tip Item #	&	(if needed)
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Meteor-3 X-Style Manifold

METEOR-3 X-STYLE MANIFOLD MANIFOLD SELECTION CHART

HOT HALF ASSEMBLY ITEM #	NOZZLE SERIES	NL-MIN		NL-MAX		OAL		V-VERTICAL FLOW DIAMETER	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
MXM0100KPH	250 EHA 250 CIA	55	2.165	100	3.937	195	7.677	9	0.354
MXM0150KPH		100	3.937	150	5.906	245	9.646		
MXM0200KPH		150	5.906	200	7.874	295	11.614		
MXM0300KPH	375 EHA 375 CIA	200	7.874	300	11.811	395	15.551	12	0.472

NOTES:

- All dimensions are in inches unless otherwise specified.
- ONLY** 250 Series nozzles will be used with manifolds: MXM0100KPH, MXM0150KPH, MXM0200KPH. ONLY 375 Series nozzles will be used with manifolds: MXM0300KPH.
- High Performance nozzles (CIA) and wear resistant tips are recommended for materials processing over 500° F and/or any filled material.
- Drop locations to be within the range of 'NL' MIN and 'NL' MAX.
- 7/16" diameter waterlines with ¼ npt will be machined in the Top Clamp Plate, Manifold Retainer Plate, and Nozzle Plate.
- ¾" diameter guide pins (4) are provided.
- D-M-E Terminal Mounting Box with Connectors is attached to the Nozzle Plate and Manifold Retainer Plate.
- S1 customer assembly screws can be tapped into the mold base from the hot half or from parting line, into the hot half. (Customer preference.)
- Nozzle Seat is supplied as combination type ½" and ¾" spherical radius.
- All of the hot half systems are supplied assembled, wired, and tested.
- Pages 41 and 42 **MUST** be completely filled out in order to process the tool.
- Email and/or fax completed document to D-M-E at appl_eng@dme.net
- Refer to Meteor Assembly Guide for additional information.
- Wiring into the Terminal Mounting Box will be as shown in the table below.
- These systems are designed to operate at 240 Volt, 3 Phase supply.

HOT HALF ASSEMBLY ITEM #	D-M-E CONTROLLER	WIRING LOCATION FOR NOZZLES AND MANIFOLD					
		ZONE #1	ZONE #2	ZONE #3	ZONE #4	ZONE #5	ZONE #6
MXM0100KPH	5-ZONE	NOZZLE #1	NOZZLE #2	NOZZLE #3	NOZZLE #4	MANIFOLD	
MXM0150KPH		NOZZLE #1	NOZZLE #2	NOZZLE #3	NOZZLE #4	MANIFOLD	
MXM0200KPH		NOZZLE #1	NOZZLE #2	NOZZLE #3	NOZZLE #4	MANIFOLD TOP	MANIFOLD BTM
MXM0300KPH	8-ZONE	NOZZLE #1	NOZZLE #2	NOZZLE #3	NOZZLE #4	MANIFOLD TOP	MANIFOLD BTM

Meteor-3 X-Style Manifold

MOLD BASE REFERENCE INFORMATION

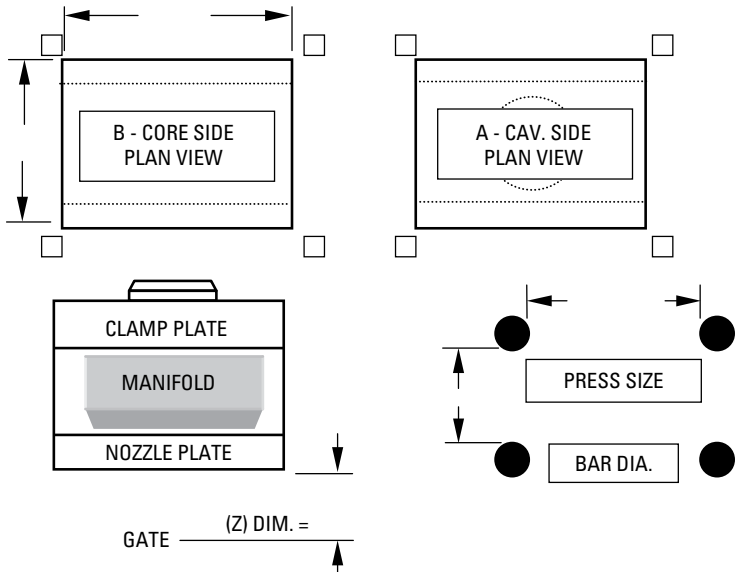
HOT HALF ASSEMBLY ITEM #	MOLD BASE SIZE	B	C	D	E	F	G	H	J	K	L
MXM0100KPH	1518	—	1.000	—	6.312	6.469	5.4375	5.6250	5.2500	—	—
	1616	—	1.000	—	5.125	6.969	4.6875	4.8750	5.1825	—	—
	1620	—	1.000	—	7.125	6.969	7.5625	7.7500	5.0000	—	—
MXM0150KPH	1518	—	1.000	—	6.312	6.469	5.4375	5.6250	5.2500	—	—
	1616	—	1.000	—	5.125	6.969	4.6875	4.8750	5.1825	—	—
	1620	—	1.000	—	7.125	6.969	7.5625	7.7500	5.0000	—	—
MXM0200KPH	1818	—	1.000	—	4.562	7.969	5.1825	6.0000	6.5000	—	—
	1820	—	1.000	—	5.562	7.969	6.8125	7.0000	6.5000	—	—
	1924	3.625	3.625	—	8.625	8.781	8.6875	8.8750	7.0000	—	—
MXM0300KPH	2424	3.875	3.875	—	8.875	10.844	8.1250	8.3125	9.1250	10.8125	6.750
	2429	4.812	4.812	—	11.750	10.844	10.6250	10.8125	9.1250	13.7500	6.750
	2435	3.875	3.875	9.625	14.750	10.844	13.6250	13.8125	9.1250	16.7500	6.750

NOTE: S1 screws for 24" wide mold bases require 5/8-11 S.H.C.S.
All other mold bases require 1/2-13 S.H.C.S.



All CDC Forms in this section can be found at:
www.dme.net/CDC

Multi-Gate Nozzle Package System

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE-004-12-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL
D-M-E STAT #		QUOTE #	P.O. #	GENERIC NAME:
			JOB #	BRAND NAME:
				FILLER:
				PROCESS TEMP:
MAXIMUM MOLD HEIGHT:		MULTI-GATE NOZZLE PACKAGE SYSTEM SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX; WATER ENTRANCE & EXIT 		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):				
MOLD BASE SIZE: ADD SIZE				
ASSEMBLY SCREW DIRECTION: ASSEMBLY SCREW LOCATION:				
TYPE OF ALIGNMENT: QUANTITY REQUIRED: <input type="checkbox"/> 2 <input type="checkbox"/> 4				
ASSEMBLY SCREW AND ALIGNMENT DETERMINED BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
CLAMP LEDGE REQUIRED: <input type="checkbox"/> 7/8 <input type="checkbox"/> 1-3/8 OTHER:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:				
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		COMMENTS:		
CUSTOMER REQUESTS CAD DATA				
TYPE: FORMAT:				
FTP:				
E-MAIL:				

Single Valve Gate Package System

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE-004-6-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL
D-M-E STAT #	QUOTE #	P.O. #	JOB #	GENERIC NAME: _____ BRAND NAME: _____ FILLER: _____ PROCESS TEMP: _____
MAXIMUM MOLD HEIGHT:		SINGLE VALVE GATE PACKAGE SYSTEM SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX; WATER ENTRANCE & EXIT 		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):				
MOLD BASE SIZE: ADD SIZE				
ASSEMBLY SCREW DIRECTION: ASSEMBLY SCREW LOCATION:				
TYPE OF ALIGNMENT: QUANTITY REQUIRED: <input type="checkbox"/> 2 <input type="checkbox"/> 4				
ASSEMBLY SCREW AND ALIGNMENT DETERMINED BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
CLAMP LEDGE REQUIRED: <input type="checkbox"/> 7/8 <input type="checkbox"/> 1-3/8 OTHER:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:				
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		TIP TYPE: FULL BODY TIP DIA: PIN ORIFICE "O" DIA:		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
CUSTOMER REQUESTS CAD DATA		COMMENTS:		
TYPE: FORMAT:				
FTP: E-MAIL:				

Valve Gate Package System

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE-004-4-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL GENERIC NAME: _____ BRAND NAME: _____ FILLER: _____ PROCESS TEMP: _____
D-M-E STAT #	QUOTE #	P.O. #	JOB #	
MAXIMUM MOLD HEIGHT:		<h2>VALVE GATE PACKAGE SYSTEM</h2> <p>SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX; WATER ENTRANCE & EXIT</p> <p>The diagrams include: 1. Plan View B - CORE SIDE: A rectangular outline with a central box labeled 'B - CORE SIDE PLAN VIEW'. 2. Plan View A - CAV. SIDE: A rectangular outline with a central box labeled 'A - CAV. SIDE PLAN VIEW'. 3. Assembly Diagram: A vertical stack of components labeled 'CYLINDER PLT', 'MANIFOLD', and 'NOZZLE PLATE'. 4. Dimensional Diagram: Shows 'PRESS SIZE' and 'BAR DIA.' with arrows indicating dimensions. A 'GATE' dimension is also shown with an arrow pointing to a specific location.</p>		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):				
MOLD BASE SIZE: ADD SIZE				
ASSEMBLY SCREW DIRECTION: ASSEMBLY SCREW LOCATION:				
TYPE OF ALIGNMENT: QUANTITY REQUIRED: <input type="checkbox"/> 2 <input type="checkbox"/> 4				
ASSEMBLY SCREW AND ALIGNMENT DETERMINED BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
CLAMP LEDGE REQUIRED: <input type="checkbox"/> 7/8 <input type="checkbox"/> 1-3/8 OTHER:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:				
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		COMMENTS:		
CUSTOMER REQUESTS CAD DATA				
TYPE: FORMAT: FTP: E-MAIL:				

Valve Gate Manifold and Components

APPLICATION ENGINEERING		CUSTOMER DESIGN CRITERIA		DATE TOOL REQUIRED AT CUSTOMER SITE:
AE-004-5-A	12-02-03	*BLUE AREAS ARE FOR D-M-E USE ONLY*		
CUSTOMER NAME:		DATE	FINALS REC'D	VERIFIED BY:
CONTACT NAME:		PHONE #	FAX #	MATERIAL
D-M-E STAT #	QUOTE #	P.O. #	JOB #	GENERIC NAME: _____ BRAND NAME: _____ FILLER: _____ PROCESS TEMP: _____
MAXIMUM MOLD HEIGHT:		<h2 style="text-align: center;">VALVE GATE MANIFOLD & COMPONENTS</h2> <p>SHOW THE FOLLOWING: TOP OF MOLD; OFFSET CORNER; OPERATOR; LOCATION OF TERMINAL BOX</p>		
MACHINE NOZZLE RADIUS: <input type="checkbox"/> 1/2 <input type="checkbox"/> 3/4 <input type="checkbox"/> SPECIAL ADD SPECIAL SIZE (if needed):				
MOLD BASE SIZE: ADD SIZE:				
MOLD BASE BEING BUILT BY: <input type="checkbox"/> D-M-E <input type="checkbox"/> CUSTOMER				
D-M-E MANUFACTURING LOCATION: <input type="checkbox"/> CMI <input type="checkbox"/> MELROSE PARK				
SKETCH AREA (IF NEEDED) 				
TERMINAL BOX & CONNECTORS: <input type="checkbox"/> 5-ZONE <input type="checkbox"/> 8-ZONE <input type="checkbox"/> 12-ZONE <input type="checkbox"/> D-M-E SUPPLIED <input type="checkbox"/> CUST. SUPPLIED <input type="checkbox"/> D-M-E BRAND <input type="checkbox"/> NON-D-M-E BRAND LIST BRAND IF NON-D-M-E:		NOZZLE TYPE: TIP TYPE: FULL BODY FULL BODY TIP DIA: PIN ORIFICE "O" DIA:		FLOW DIA: PRIMARY = SECONDARY = TERNARY = SYMMETRICALLY BALANCED: # OF DROPS =
OPERATING VOLTAGE AT MOLDERS: <input type="checkbox"/> 208 <input type="checkbox"/> 210 <input type="checkbox"/> 220 <input type="checkbox"/> 230 <input type="checkbox"/> 240 OTHER:		ELECTRICAL ZONE NUMBERING: <input type="checkbox"/> D-M-E STANDARD <input type="checkbox"/> CUSTOMER SUPPLIED CAVITY/NOZZLE NUMBERS		
PHASE REQUIRED AT MOLDERS: <input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> THREE PHASE		COMMENTS:		
ELECTRONIC DATA REQUIRED: TYPE: FORMAT: FTP: E-MAIL:				

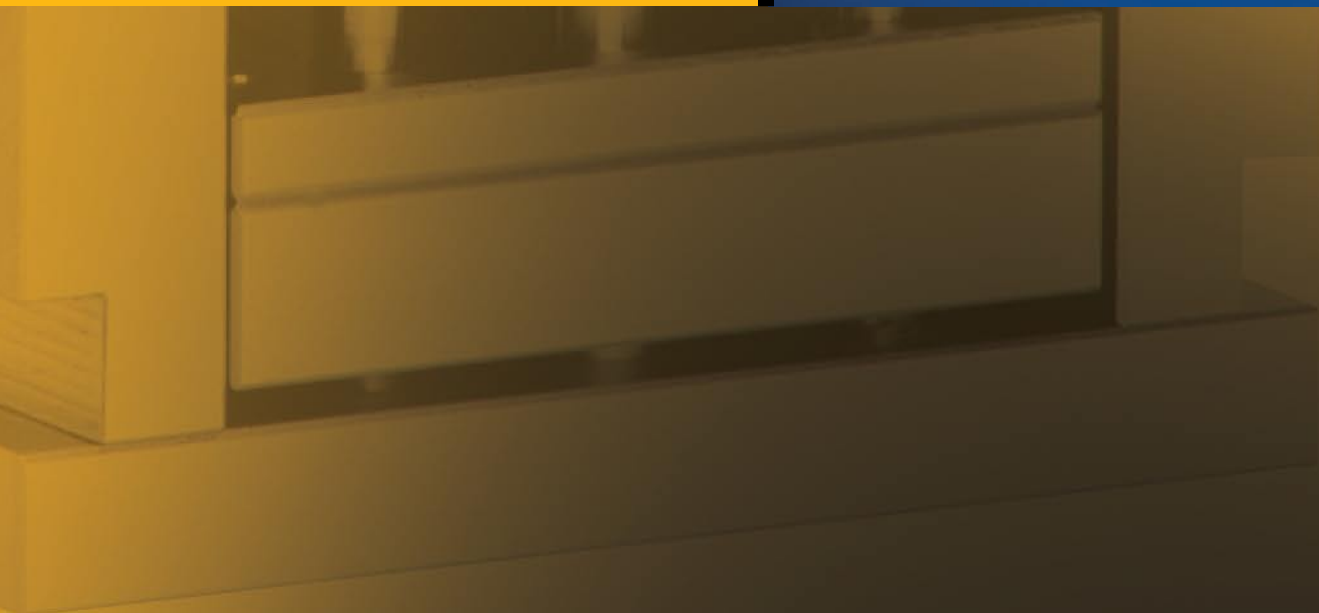


D-M-E Edge Mold Bases

THE LOWEST-PRICED
MOLD BASE ON THE MARKET
IS IN STOCK IN
70 DIFFERENT SIZES



D-M-E Edge Mold Bases



Providing a Competitive Advantage

THE NEW EDGE MOLD BASE GIVES YOUR CUSTOMERS A COMPETITIVE ADVANTAGE

What is the "Edge" concept? It's an A-Series Mold Base with seven features in D-M-E #3 steel with a 30-40% price advantage. And with every Edge Mold Base, you get seven decades of reliable D-M-E quality-assured manufacturing capabilities that includes the absolute best service, price and delivery that will have your customers coming back for more.

D-M-E has supported moldmakers, processors and designers around the globe since it innovated the standard mold base in 1942. Today, we offer the industry's broadest range of market-leading products. In a recent Moldmaking Industry Survey, moldmakers said they needed an edge to better compete. That's why our full featured, ready-to-ship mold base is called the Edge. Essentially, moldmakers named it for us! The Edge gives you the competitive and profitability advantages that D-M-E customers demand.

As you continue to positively impact your operations through process efficiencies, technology enhancements, and automation improvements, the D-M-E Edge Mold Base is with you every step of the way by providing the value, speed and exceptional quality that customers have long expected from the industry's standard-setter in mold technologies. Even our competitors look to us as standard-setters; so much so, that today, competitors still promote their products by comparing them to ours.

Get the Edge Mold Base and you'll have another ingredient for the formula for a successful, growing business, and a partnership with the global mold technologies leader.

FREQUENTLY ASKED QUESTIONS ABOUT D-M-E

Where is the Edge Mold Base manufactured?

The D-M-E Edge Mold Base is manufactured by D-M-E's sister company located in Brazil. D-M-E has had an extensive manufacturing and distributing presence in Brazil for over 20 years. The Edge Mold Base is manufactured using the same stringent quality-assured processes and standards that have been adhered to during the manufacture of D-M-E U.S.-made mold bases for many decades. This manufacturing consistency and repeatability on every continent ensures D-M-E customers that every mold base has the quality steel and construction that makes D-M-E mold bases the highest valued mold bases throughout the world.

I make my own mold bases; can the D-M-E Edge Mold Base make me more competitive?

Yes! With our low U.S. prices, the Edge Mold Base is more than competitive when compared against in-house manufactured bases. In today's marketplace, most moldmakers don't have the luxury of having tool makers and/or apprentices make mold bases. Factoring direct labor costs alone, the D-M-E Edge Mold Base is priced so low that even the most efficient shop will save money by purchasing instead of making.

Does D-M-E offer special machining services?

Yes! D-M-E has the most comprehensive worldwide product offering for in-house machining services! Whether you need simple pocket roughing, 3D contour roughing of core and cavity blocks, or a completely finished mold base that meets your exact specifications and tolerances, D-M-E is the industry leader for complete, comprehensive special machining both locally and globally. No one in our industry offers a wider range of special machining services, and no one in our industry has the decades of machining experience and steel supplier relationships that provide our competitive advantage.

Industry-leading D-M-E Manufacturing, Tolerances and Distribution!
Get the competitive and profitability advantage with the D-M-E Edge!

Advantages and Features

EDGE MOLD BASE ADVANTAGES

70 different mold base assemblies ready for quick delivery

The lowest-priced mold base on the market

Most sizes available for same-day shipment

Seven popular mold base features

Reliable D-M-E quality-assured services, including manufacturing, inspection and distribution

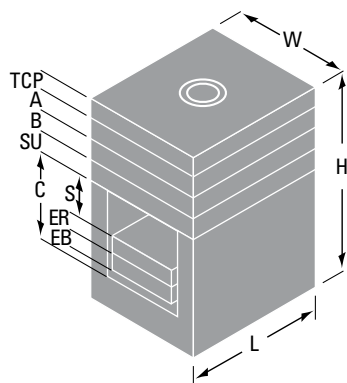


EDGE MOLD BASE FEATURES

- A-Plate, B-Plate and Support plates supplied with D-M-E #3 steel
- Pry slots installed on both sides of "B" plate
- Lift holes installed
- Return pins installed 0.125 inboard to allow for spring pockets
- Leader pin vents machined in the housing under the bushing location
- Guided ejection installed
- Three-piece ejector housing
- Center hole machining included

NOTE: See Standard & Optional Mold Base Features section in the Mold Base Catalog for specifications regarding Edge Mold Base features.

Product Selection Tables



Variables

Below is a list of the variables for the Edge series mold bases and their definitions

- W = Width
 L = Length
 TCP = Top clamp plate thickness
 A = A plate thickness
 B = B plate thickness
 SU = Support plate thickness
 C = Height of the riser
 S = Maximum stroke of the ejector bar
 H = Mold base height
 EB = Ejector bar thickness
 ER = Ejector retainer thickness
 P = Housing riser thickness
 RP_x = Return pin location on the X axis (3 places)
 RP_y = Return pin location on the Y axis (4 places)
 RP_{os} = Return pin offset on the X axis (1 place)
 RP_g = Return pin diameter
 LP_g = Leader pin diameter

7.875 × 7.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA0808-07-07	7.875	7.875	0.875	0.875	2.500	0.813	7.375	111
EDA0808-13-13	7.875	7.875	1.375	1.375	2.500	0.813	8.375	129
EDA0808-17-17	7.875	7.875	1.875	1.875	2.500	0.813	9.375	147
EDA0808-23-23	7.875	7.875	2.375	2.375	3.000	1.313	10.875	167

All Items	W	7.875	EB	1.000	P	1.250	TCP	0.875	RP _x	3.313	RP _y	1.500	LP _g	0.500
	L	7.875	ER	0.500	SU	1.375	RP _{os}	3.188	RP _y	1.500	LP _g	0.750		

7.875 × 11.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA0812-07-07	7.875	11.875	0.875	0.875	2.500	0.813	7.375	174
EDA0812-13-13	7.875	11.875	1.375	1.375	3.000	1.313	8.875	205
EDA0812-17-17	7.875	11.875	1.875	1.875	3.500	1.813	10.375	235
EDA0812-23-23	7.875	11.875	2.375	2.375	3.500	1.813	11.375	262

All Items	W	7.875	EB	1.000	P	1.250	TCP	0.875	RP _x	5.313	RP _y	1.500	LP _g	0.500
	L	11.875	ER	0.500	SU	1.375	RP _{os}	5.188	RP _y	1.500	LP _g	0.750		

9.875 × 8.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1008-07-07	9.875	8.000	0.875	0.875	2.500	0.813	7.375	158
EDA1008-13-13	9.875	8.000	1.375	1.375	2.500	0.813	8.875	181
EDA1008-17-17	9.875	8.000	1.875	1.875	3.500	1.813	10.875	209

All Items	W	9.875	EB	1.000	P	1.438	TCP	0.875	RP _x	3.250	RP _y	2.250	LP _g	0.625
	L	8.000	ER	0.500	SU	1.875	RP _{os}	3.125	RP _y	2.250	LP _g	0.750		

9.875 × 11.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1012-07-07	9.875	11.875	0.875	0.875	2.500	0.813	7.875	235
EDA1012-13-13	9.875	11.875	1.375	1.375	3.000	1.313	9.375	273
EDA1012-17-17	9.875	11.875	1.875	1.875	3.500	1.813	10.875	311
EDA1012-23-23	9.875	11.875	2.375	2.375	3.500	1.813	11.875	344

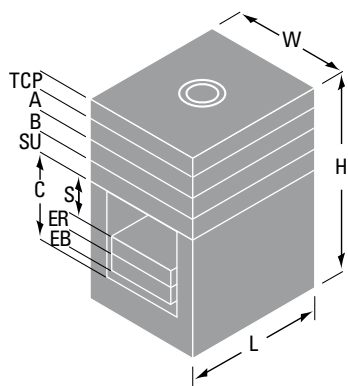
All Items	W	9.875	EB	1.000	P	1.438	TCP	0.875	RP _x	5.188	RP _y	2.250	LP _g	0.625
	L	11.875	ER	0.500	SU	1.875	RP _{os}	5.063	RP _y	2.250	LP _g	0.875		

9.875 × 16.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1016-07-07	9.875	16.000	0.875	0.875	2.500	0.813	7.875	316
EDA1016-13-13	9.875	16.000	1.375	1.375	3.000	1.313	9.375	367
EDA1016-17-17	9.875	16.000	1.875	1.875	3.500	1.813	10.875	418
EDA1016-23-23	9.875	16.000	2.375	2.375	3.500	1.813	11.875	463

All Items	W	9.875	EB	1.000	P	1.438	TCP	0.875	RP _x	7.250	RP _y	2.250	LP _g	0.625
	L	16.000	ER	0.500	SU	1.875	RP _{os}	7.125	RP _y	2.250	LP _g	0.875		

Product Selection Tables



Below is a list of the variables for the Edge series mold bases and their definitions

- W = Width
- L = Length
- TCP = Top clamp plate thickness
- A = A plate thickness
- B = B plate thickness
- SU = Support plate thickness
- C = Height of the riser
- S = Maximum stroke of the ejector bar
- H = Mold base height
- EB = Ejector bar thickness
- ER = Ejector retainer thickness
- P = Housing riser thickness
- RPx = Return pin location on the X axis (3 places)
- RPy = Return pin location on the Y axis (4 places)
- RPos = Return pin offset on the X axis (1 place)
- RPg = Return pin diameter
- LPg = Leader pin diameter

9.875 × 20.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1020-13-13	9.875	20.000	1.375	1.375	3.000	1.313	9.375	459
EDA1020-17-17	9.875	20.000	1.875	1.875	3.500	1.813	10.875	523
EDA1020-23-23	9.875	20.000	2.375	2.375	3.500	1.813	11.875	579
All Items	W 9.875	EB 1.000	P 1.438	TCP 0.875	RPx 9.250	RPg 0.625		
	L 20.000	ER 0.500	SU 1.875	RPos 9.125	RPy 2.250	LPg 0.875		

10.875 × 12.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1112-13-13	10.875	12.000	1.375	1.375	3.000	1.313	9.375	305
EDA1112-17-17	10.875	12.000	1.875	1.875	3.500	1.813	10.875	347
EDA1112-23-23	10.875	12.000	2.375	2.375	3.500	1.813	11.875	384
All Items	W 10.875	EB 1.000	P 1.688	TCP 0.875	RPx 5.250	RPg 0.625		
	L 12.000	ER 0.500	SU 1.875	RPos 5.125	RPy 2.813	LPg 0.875		

10.875 × 14.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1114-13-13	10.875	14.000	1.375	1.375	3.000	1.313	9.375	355
EDA1114-17-17	10.875	14.000	1.875	1.875	3.500	1.813	10.875	405
EDA1114-23-23	10.875	14.000	2.375	2.375	3.500	1.813	11.875	448
All Items	W 10.875	EB 1.000	P 1.688	TCP 0.875	RPx 6.250	RPg 0.625		
	L 14.000	ER 0.500	SU 1.875	RPos 6.125	RPy 2.813	LPg 0.875		

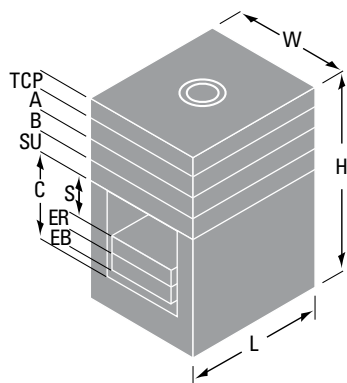
10.875 × 18.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1118-13-13	10.875	18.000	1.375	1.375	3.000	1.313	9.375	457
EDA1118-17-17	10.875	18.000	1.875	1.875	3.500	1.813	10.875	521
EDA1118-23-23	10.875	18.000	2.375	2.375	3.500	1.813	11.875	576
All Items	W 10.875	EB 1.000	P 1.688	TCP 0.875	RPx 8.250	RPg 0.625		
	L 18.000	ER 0.500	SU 1.875	RPos 8.125	RPy 2.813	LPg 0.875		

11.875 × 12.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1212-13-13	11.875	12.000	1.375	1.375	3.000	1.188	9.375	335
EDA1212-17-17	11.875	12.000	1.875	1.875	3.000	1.188	10.375	375
EDA1212-23-23	11.875	12.000	2.375	2.375	3.500	1.688	11.875	422
EDA1212-27-27	11.875	12.000	2.875	2.875	4.000	2.188	13.375	468
All Items	W 11.875	EB 1.125	P 1.688	TCP 0.875	RPx 5.125	RPg 0.750		
	L 12.000	ER 0.500	SU 1.875	RPos 5.000	RPy 3.188	LPg 1.000		

Product Selection Tables



Variables

Below is a list of the variables for the Edge series mold bases and their definitions

- W = Width
 L = Length
 TCP = Top clamp plate thickness
 A = A plate thickness
 B = B plate thickness
 SU = Support plate thickness
 C = Height of the riser
 S = Maximum stroke of the ejector bar
 H = Mold base height
 EB = Ejector bar thickness
 ER = Ejector retainer thickness
 P = Housing riser thickness
 RPX = Return pin location on the X axis (3 places)
 RPY = Return pin location on the Y axis (4 places)
 RPO = Return pin offset on the X axis (1 place)
 RPD = Return pin diameter
 LPD = Leader pin diameter

11.875 × 15.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1215-13-13	11.875	15.000	1.375	1.375	3.000	1.188	9.375	419
EDA1215-17-17	11.875	15.000	1.875	1.875	3.000	1.188	10.375	469
EDA1215-23-23	11.875	15.000	2.375	2.375	3.500	1.688	11.875	527
EDA1215-27-27	11.875	15.000	2.875	2.875	4.000	2.188	13.375	584

All Items	W	11.875	EB	1.125	P	1.688	TCP	0.875	RPX	6.625	RPg	0.750
	L	15.000	ER	0.500	SU	1.875	RPOs	6.500	RPY	3.188	LPg	1.000

11.875 × 20.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1220-13-13	11.875	20.000	1.375	1.375	3.000	1.188	9.375	558
EDA1220-17-17	11.875	20.000	1.875	1.875	3.000	1.188	10.375	625
EDA1220-23-23	11.875	20.000	2.375	2.375	3.500	1.688	11.875	702
EDA1220-27-27	11.875	20.000	2.875	2.875	4.000	2.188	13.375	779

All Items	W	11.875	EB	1.125	P	1.688	TCP	0.875	RPX	9.125	RPg	0.750
	L	20.000	ER	0.500	SU	1.875	RPOs	9.000	RPY	3.188	LPg	1.000

13.375 × 15.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1315-13-13	13.375	15.000	1.375	1.375	3.000	1.063	9.875	505
EDA1315-17-17	13.375	15.000	1.875	1.875	3.000	1.063	10.875	562
EDA1315-23-23	13.375	15.000	2.375	2.375	3.500	1.563	12.375	627
EDA1315-27-27	13.375	15.000	2.875	2.875	4.000	2.063	13.875	692

All Items	W	13.375	EB	1.125	P	1.875	TCP	1.375	RPX	6.625	RPg	0.750
	L	15.000	ER	0.625	SU	1.875	RPOs	6.500	RPY	3.813	LPg	1.000

13.375 × 18.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1318-13-13	13.375	18.000	1.375	1.375	3.000	1.063	9.875	606
EDA1318-17-17	13.375	18.000	1.875	1.875	3.000	1.063	10.875	675
EDA1318-23-23	13.375	18.000	2.375	2.375	3.500	1.563	12.375	752
EDA1318-27-27	13.375	18.000	2.875	2.875	4.000	2.063	13.875	830

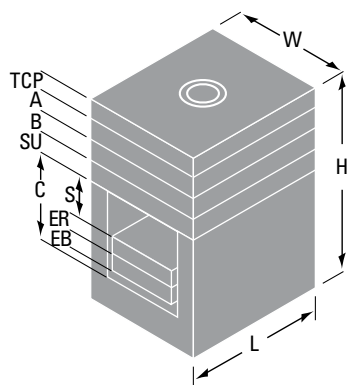
All Items	W	13.375	EB	1.125	P	1.875	TCP	1.375	RPX	8.125	RPg	0.750
	L	18.000	ER	0.625	SU	1.875	RPOs	8.000	RPY	3.813	LPg	1.000

13.375 × 20.750

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1321-17-17	13.375	20.750	1.875	1.875	3.000	1.063	10.875	777
EDA1321-23-23	13.375	20.750	2.375	2.375	3.500	1.563	12.375	867
EDA1321-27-27	13.375	20.750	2.875	2.875	4.000	2.063	13.875	957

All Items	W	13.375	EB	1.125	P	1.875	TCP	1.375	RPX	9.500	RPg	0.750
	L	20.750	ER	0.625	SU	1.875	RPOs	9.375	RPY	3.813	LPg	1.000

Product Selection Tables



Variables

Below is a list of the variables for the Edge series mold bases and their definitions

- W = Width
 L = Length
 TCP = Top clamp plate thickness
 A = A plate thickness
 B = B plate thickness
 SU = Support plate thickness
 C = Height of the riser
 S = Maximum stroke of the ejector bar
 H = Mold base height
 EB = Ejector bar thickness
 ER = Ejector retainer thickness
 P = Housing riser thickness
 RP_x = Return pin location on the X axis (3 places)
 RP_y = Return pin location on the Y axis (4 places)
 RP_{os} = Return pin offset on the X axis (1 place)
 RP_g = Return pin diameter
 LP_g = Leader pin diameter

13.375 × 23.500

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1323-17-17	13.375	23.500	1.875	1.875	3.000	1.063	10.875	881
EDA1323-23-23	13.375	23.500	2.375	2.375	3.500	1.563	12.375	982
EDA1323-27-27	13.375	23.500	2.875	2.875	4.000	2.063	13.875	1084
All Items	W 13.375	EB 1.125	P 1.875	TCP 1.375	RP _x 10.875	RP _g 0.750		
	L 23.500	ER 0.625	SU 1.875	RP _{os} 10.750	RP _y 3.813	LP _g 1.000		

14.875 × 17.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1518-17-17	14.875	17.875	1.875	1.875	3.500	1.563	11.875	790
EDA1518-23-23	14.875	17.875	2.375	2.375	3.500	1.563	12.875	865
EDA1518-27-27	14.875	17.875	2.875	2.875	4.000	2.063	14.375	950
All Items	W 14.875	EB 1.125	P 1.875	TCP 1.375	RP _x 8.063	RP _g 0.750		
	L 17.875	ER 0.625	SU 2.375	RP _{os} 7.938	RP _y 3.875	LP _g 1.250		

14.875 × 23.750

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1524-17-17	14.875	23.750	1.875	1.875	3.500	1.563	11.875	1050
EDA1524-23-23	14.875	23.750	2.375	2.375	3.500	1.563	12.875	1150
EDA1524-27-27	14.875	23.750	2.875	2.875	4.000	2.063	14.375	1262
All Items	W 14.875	EB 1.125	P 1.875	TCP 1.375	RP _x 11.000	RP _g 0.750		
	L 23.750	ER 0.625	SU 2.375	RP _{os} 10.875	RP _y 3.875	LP _g 1.250		

15.875 × 16.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1616-23-23	15.875	16.000	2.375	2.375	3.500	1.563	12.875	825
EDA1616-27-27	15.875	16.000	2.875	2.875	4.000	2.063	14.375	906
All Items	W 15.875	EB 1.125	P 1.875	TCP 1.375	RP _x 7.125	RP _g 0.750		
	L 16.000	ER 0.625	SU 2.375	RP _{os} 7.000	RP _y 4.375	LP _g 1.250		

15.875 × 20.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1620-23-23	15.875	20.000	2.375	2.375	3.500	1.563	12.875	1031
EDA1620-27-27	15.875	20.000	2.875	2.875	4.000	2.063	14.375	1132
All Items	W 15.875	EB 1.125	P 1.875	TCP 1.375	RP _x 9.125	RP _g 0.750		
	L 20.000	ER 0.625	SU 2.375	RP _{os} 9.000	RP _y 4.375	LP _g 1.250		

15.875 × 23.500

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
EDA1623-23-23	15.875	23.500	2.375	2.375	3.500	1.563	12.875	1212
EDA1623-27-27	15.875	23.500	2.875	2.875	4.000	2.063	14.375	1330
All Items	W 15.875	EB 1.125	P 1.875	TCP 1.375	RP _x 10.875	RP _g 0.750		
	L 23.500	ER 0.625	SU 2.375	RP _{os} 10.750	RP _y 4.375	LP _g 1.250		

Get the Edge with D-M-E Mold Components

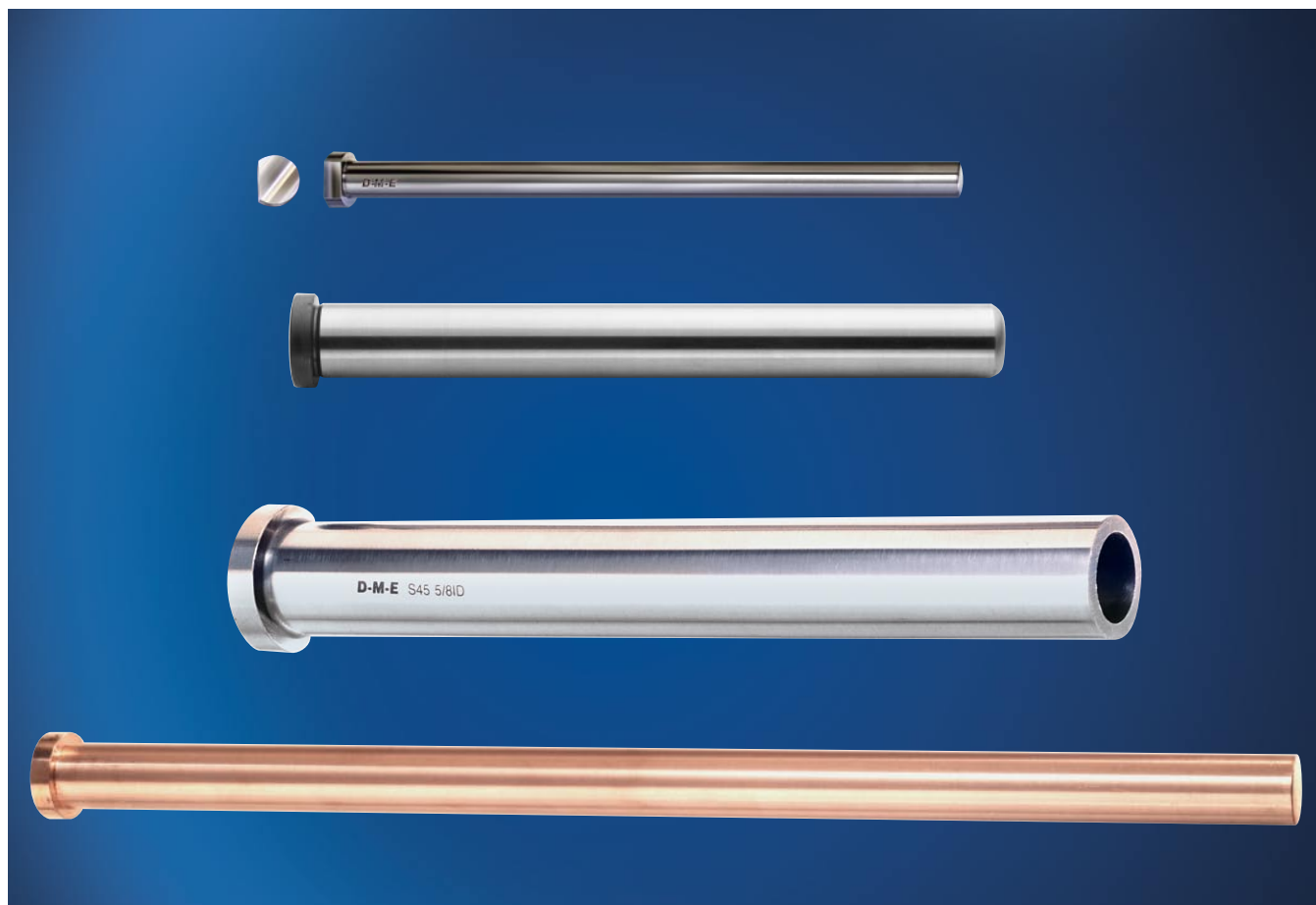
D-M-E has been an innovator in the development of mold technologies ever since it standardized mold base offerings in the 1940s to enable moldmakers to focus their creativity on value-added core and cavity work. D-M-E continues its innovations by introducing new mold components that complement your Edge mold base, or any D-M-E mold base, for that matter.

Here are just a few of the mold components that will give your D-M-E mold base the edge:

Pins, sleeves and blades

A comprehensive line of pins, sleeves and blades – in Inch, DIN and JIS standards – all of which undergo rigorous D-M-E quality assurance testing, are available at competitive prices with fast delivery. From straight, shoulder or keyed ejector pins to nitrided ejector sleeves and close-tolerance ejector blades to core pins, return pins and sprue puller pins, D-M-E has the products that match your application needs.

D-M-E has the broadest selection of market-leading mold technologies available around the globe, with many choices within hundreds of product lines.



Sprue bushings and locating rings

A wide range of hardened, ground and polished sprue bushings and more than a dozen locating ring options are available from D-M-E to prepare for maximum production performance.

Check out the D-M-E Mold Components Catalog for the products that match your application needs.

Mold interlocks

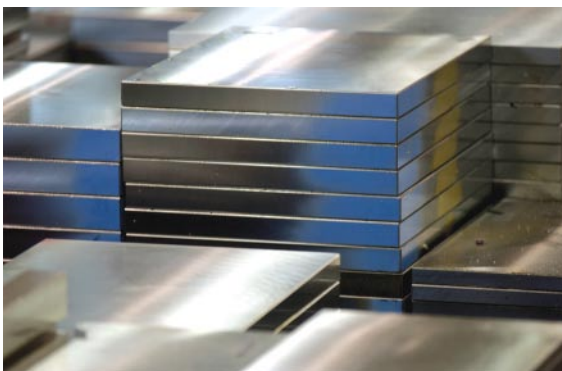
For precise alignment of mold halves, mold plates or individual cavities or cores, D-M-E has a large selection of mold interlocks that are a perfect fit for all of your applications. From the innovative IN2 interlocks that offer interchangeable inserts to a variety of side, top, round and rectangular interlocks, D-M-E has the products to eliminate your mold alignment concerns.

Thousands of other mold components to complement your mold base selection

D-M-E has the broadest selection of market-leading mold technologies available around the globe, with many choices within hundreds of product lines. Our proven knowledge and expertise has made D-M-E the preferred supplier to many of the world's leading companies. Check out the D-M-E Mold Components Catalog for the products that match your application needs.



Quick Delivery Specials Features



D-M-E Standard Mold Bases Included in the QDS Program

- A-Series Mold Bases
- B-Series Mold Bases
- X-Series Mold Bases
- AX-Series Mold Bases
- T-Series Mold Bases
- Cavity Retainer Sets

Steel Types and Plate Thicknesses Included

- D-M-E #1, #2 and #3 steel from $\frac{7}{8}$ " thick to $5\frac{7}{8}$ " thick
- D-M-E #7 steel from $\frac{7}{8}$ " thick to $2\frac{7}{8}$ " thick

No Charge Features

Available on all D-M-E Mold Bases and Cavity Retainer Sets

- 1-piece or 3-piece housing (standard D-M-E rails)
- Ejector housing covers
- Relocate or omit return pins
- Relocate or omit assembly screws (top and/or bottom)
- Relocate or omit assembly screws in ejector set
- Relocate or omit leader pins and bushings
- Relocate or omit center holes
- Relocate or omit stop pins in ejector bar
- Sprue puller pin of your choice
- Machining for all D-M-E sprue bushings and most clamp slots
- Machining for most locating rings

All ship dates are calculated from receipt of final customer information.

Quick Delivery Specials Features

5
 5-DAY
 SHIPPING

Special Mold Bases Shipping in FIVE Working Days

Includes all D-M-E Standard Mold Bases #1, #2 and #3 steel ($7/8"$ to $57/8"$ thick) and #7 steel ($7/8"$ to $27/8"$ thick); and all "no charge" items, plus:

- Machine for and install guided ejection – 2 or 4 places
- Machine for and install support pillars
- Machine for and install additional stop pins
- Machine press knock-out in bottom clamp plate (tap in ejector bar, if required)
- Machine pry bar slots
- Machine leader pin vent slots in rails
- Machine for spring holes
- Drill and tap lifting holes
- Drill and tap safety strap holes (location $\pm 1/32"$)
- Machine for and install extra assembly screws in top and/or bottom
- Machine for and install extra assembly screws in ejector assembly
- Machine for and install added return pins
- Rough mill/bore cavity and core pocket; blind or through (NOTE: $1/2"$ minimum radius required)

7
 7-DAY
 SHIPPING

Special Mold Bases Shipping in SEVEN Working Days

Includes all features specified above in five working days, plus:

- Machine for D-M-E three-piece extension bushings
- Drill and tap horizontal water lines
- Drill water pipe clearance holes
- Drill vertical water lines (excluding o-ring machining)
- Machine for D-M-E angle pin inserts
- Finish mill/bore cavity and core pocket; blind or through (NOTE: $1/2"$ minimum radius required)

11
 11-DAY
 SHIPPING

Special Mold Bases Shipping in ELEVEN Working Days

Includes all features specified above in seven working days, plus:

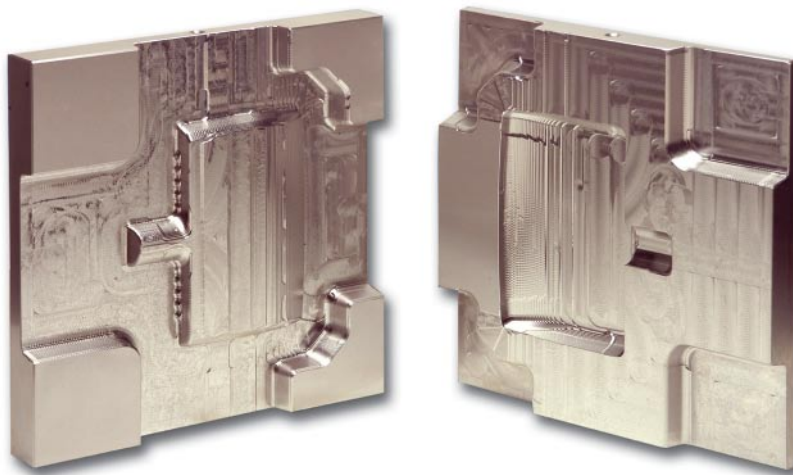
- Machine for D-M-E parting line interlocks
- Provide special thickness plates (maximum plate thickness of $57/8"$ in D-M-E #1, #2 and #3 steels, and $27/8"$ in D-M-E #7 steel)

Contour Roughing Services

Key Advantages of Contour Roughing

- Moldmakers can use this service to extend their in-house capacity, reduce lead time and focus on other high-value machining
- Consistent machining allowance throughout the surface of the cavity block provides even finishing without areas of heavy stock
- D-M-E can provide customers with the CAM program to continue the work where D-M-E left off, saving time and programming expense
- Contour roughing can be bundled with the option to stress-relieve cavity blocks and a custom mold base

At the request of moldmakers, D-M-E has begun to offer contour roughing services. D-M-E can rough mill complex part shapes into mold plates, even for milling that requires large and deep cavities.

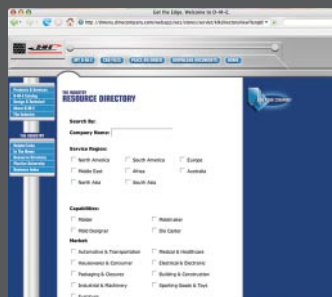


- The Contour Roughing Service begins with complex core and cavity CAD files from customers
- D-M-E programs 3D cavity roughing tool paths that generate a rough milled surface, allowing machining stock for finishing by the customer
- D-M-E uses industry-leading CAM software for programming contour roughing tool paths leaving consistent machining allowance throughout the surface of the cavity block

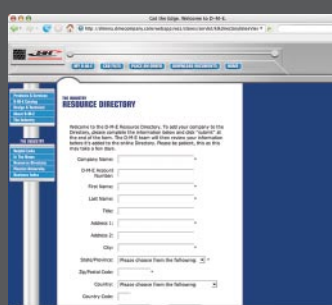
For more details on the Contour Roughing Service, contact your D-M-E representative today.



Resource Directory



Search on multiple parameters to find exactly the resource you need



Want to be included in the directory? It only takes a moment to add your information and it's free

D-M-E's Online Resource Directory

800-626-6653
www.dme.net/resource

D-M-E's new online Resource Directory helps match skills and needs for almost any task that needs doing

Looking for a mold polisher in Tucson? A prototype molding shop in Michigan? A designer in Twin Falls? A diecaster in Alabama? They're all here. The D-M-E website now includes a comprehensive, searchable database of service providers. Indexed to speed searches, this powerful tool connects resources with those who need them.

Comprehensive searchability

Find resources by almost any combination of specialty, geography, or name

The latest information

Access the latest listings in real-time to meet your needs fast

Connect with customers

Great new business resource for service suppliers looking to expand their client base

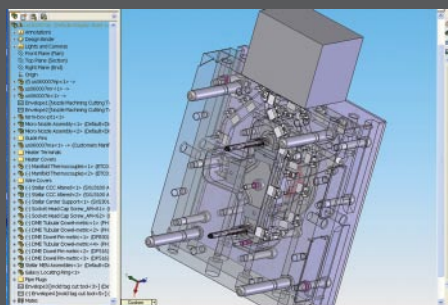
Easy to use

Intuitive user interface makes it easy to quickly find what you're looking for

24/7 access

Find the resources you need when you need them

The D-M-E industry resource directory is just part of our commitment to help ensure moldmakers, molders, and mold designers have a productivity edge. Visit today to find resources. If you're a service provider, add your information to get started; it's free.



"AN ESSENTIAL ONLINE RESOURCE"

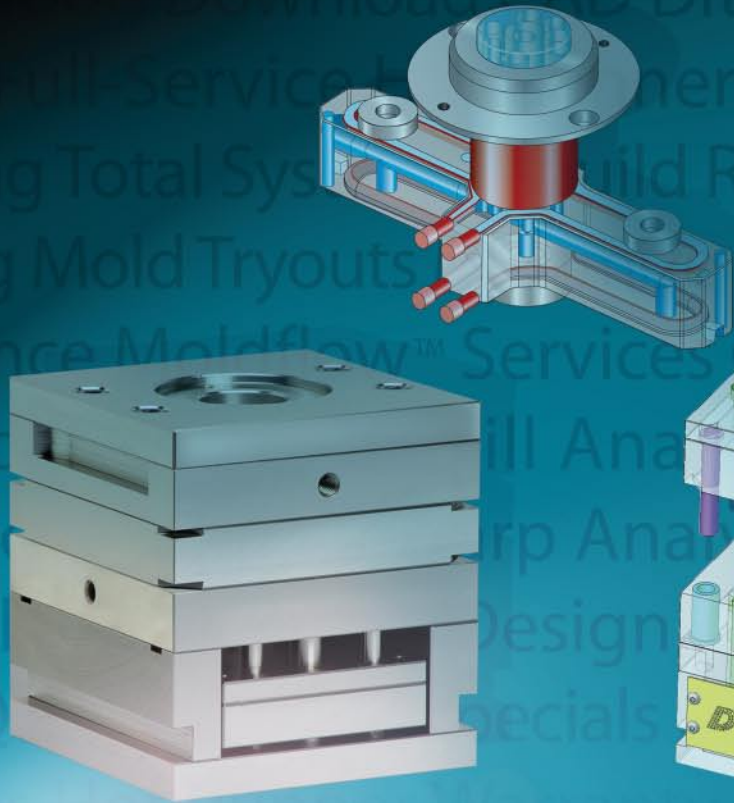
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CAD Files

Place An Order

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D-M-E Technical Services



TECHNICAL SERVICES



D-M-E
Every step of the way

D-M-E American Standard Mold Base Quote Request Form

Page
2 of 2

Company Name: _____ Date: _____

Additional Features – Ships in 5 Working Days

Guided Ejection:

Quantity: _____ Pin Dia.: _____ ☐ System 1 ☐ System 2
☐ Recommended Position ☐ Custom Position: GEx _____ GEy _____
☐ Bronze Bushing ☐ Self-Lubricating Bushing _____

Pry Slots: (4 places each plate)

(NOTE: P = Parting Line NP = Non Parting Line)

☐ TCP: P _____ NP _____
☐ A Plate: P _____ NP _____
☐ B Plate: P _____ NP _____
☐ Support Plate: P _____ NP _____
☐ Housing: P _____ NP _____
☐ _____ P _____ NP _____

Lift Holes: (Prints required if not on center)

☐ TCP: Quantity _____ Dia. _____
☐ A Plate: Quantity _____ Dia. _____
☐ B Plate: Quantity _____ Dia. _____
☐ Support Plate: Quantity _____ Dia. _____
☐ Housing: _____
☐ _____: Quantity _____ Dia. _____
☐ On center _____

☐ Leader Pin Vents:

(NOTE: Designed in all 15" and wider mold bases. When desired, can be specified on smaller molds.)

☐ **Rough Rectangular Pockets:** (Prints required) Length _____ Width _____
☐ Through ☐ Blind (specify depth): _____ Corner Radius (.50 min/1.00 max): _____

(NOTE: Rough Pocket tolerance -.062 per side)

☐ **Knock-out Holes:** (Prints required if not on center) Drill Quantity _____ Tap Quantity _____
☐ **Mold Strap Holes:** (Prints required) Quantity _____
☐ **Spring Pockets:** (Prints required) Quantity _____ Number of Plates _____
☐ **Support Pillars:** (Prints required) Quantity _____ Diameter _____ Style _____

Additional Components: (Prints required)

☐ Lower Assembly Screws: Quantity _____
☐ Upper Assembly Screws: Quantity _____
☐ Ejector Assembly Screws: Quantity _____
☐ Return Pins: Quantity _____
☐ Stop Pins: Quantity _____

Comments: _____

Additional Features – Ships in 7 Working Days (includes features listed in 5 working days)

☐ Extension Bushing (T-Series):

Extension Bushing Item Number: _____ Stripper Bushing: TEB-0001

☐ **Finished Rectangular Pockets:** (Prints required) Length _____ Width _____
☐ Through ☐ Blind (specify depth): _____ Corner Radius (.50 min/1.00 max): _____

(NOTE: Finished pocket tolerance +/- .001)

☐ Waterlines: (Prints required)

Diameter: _____
 Number of Plates with Waterlines: _____
 Total Length of Waterlines (in inches) in Each Plate: _____
 Number of Sides: _____

Comments: _____

Additional Features – Ships in 11 Working Days (includes features listed in 7 working days)

☐ Special Plate Thickness:

Plate to be altered: _____ Thickness: _____

Comments: _____

☐ Parting Line Interlocks (see Mold Components catalog; Print required):

Quantity: _____

Part Numbers: _____

For additional work, contact Customer Service at 800-626-6653 or email drawing files to dme_cad@dme.net

U.S. 800-626-6653 ■ Canada 800-387-6600 ■ www.dme.net

Hot Runner Quote Request Form

**Fax your completed Hot Runner Quote Request Form to 248-544-5707
or call to discuss your application with D-M-E.**

Date:	Account #
Bill to:	Ship to:
Contact name (First & Last):	
Phone #	Fax #
Extension	Email

Please provide the following information:

What is the material?	
Are there any fillers?	
Does it require a color change?	
How many cavities/drops?	
What type of gate is needed?	
Is balance needed?	
What is the part weight?	
What is the wall thickness?	
How far does the nozzle extend into the "A" plate?	
What is the mold base size?	
Is there anything special we should be aware of?	

D-M-E Application Engineering Systems



Powerful performance for multi-cavity applications

Designed to maximize production and shorten set-up and service time, Galaxy systems are tailor-made for high-cavitation molding applications requiring excellent gate cosmetics, such as caps and closures, cosmetic packaging, cutlery, and small medical, electronic and automotive parts.

The D-M-E Applications Engineering Team carefully reviews the requirements of each project and then designs a Galaxy Hot Runner System to optimize molding performance. Each hot half system is fully assembled and tested prior to shipment to ensure maximum reliability, and backed by:

- The best service in the industry
- Global technical support
- Rapid manufacturing capabilities
- Value-added applications engineering



Custom configured for quick delivery

Meteor™ Hot Runner Systems provide a versatile yet economical solution for many hot runner mold designs. Two-drop (in-line) and four-drop (X-style) manifolds are available in sizes to suit a variety of applications. Pre-engineered with accurately machined flow channels, nozzle ports can be freely located anywhere within each manifold's flow channel limits.

Key features include:

- Complete hot half system, fully assembled, wired and tested, ready to bolt onto the mold
- Turnkey solution with optional D-M-E mold base and 5-zone or 8-zone temperature controller
- Industry-leading three-week delivery time



The best solution for precision thermoplastic micromolding

Stellar is based on new D-M-E hot runner system architecture designed to deliver tremendous flexibility to small part and high-cavitation molding. Stellar performs in a broad array of applications — including electrical, electronic, medical, and cosmetic packaging — and processes many demanding engineering resins without property degradation.

Look to Stellar to provide these advantages:

- Modular system design increases application flexibility
- Front-loaded components enable rapid serviceability to maximize uptime and productivity
- Precise heat profiling in all nozzle lengths ensures consistent processing temperatures
- Challenging materials process easily, including amorphous materials such as PET and crystalline materials such as PBT and PA

Hot Runner Warranty



Every step of the way

D-M-E Company

29111 Stephenson Highway, Madison Heights, MI 48071
Tel. 248/398-6000 ■ FAX 248/398-6174

D-M-E Hot Runner Systems and Temperature Controllers are warranted pursuant to D-M-E Company's standard terms and conditions for the time periods set forth below. The warranty (i) covers items sold and shipped (supplied in accordance with orders placed by the customer with D-M-E on or after JULY 1, 2003, (ii) applies only to the original D-M-E customer and, (iii) is not transferable to subsequent owners of the product except as specifically set forth herein (see Transferability below for conditions).

WARRANTY PERIODS APPLICABLE TO SPECIFIED D-M-E PRODUCTS; COVERAGE STARTS UPON DATE OF SHIPMENT:

ITEM	COVERAGE
D-M-E Hot Runner Package Systems (plates designed, machined & assembled by D-M-E, excluding Electrical Parts)	Three (3) years
Galaxy & Stellar Hot Runner Package Systems Only (plates designed, machined & assembled by D-M-E, excluding Electrical Parts)	Plastic leakage within hot runner plates covered for Three (3) years; excluding Gate Detail. (Galaxy & Stellar Hot Runner Package Systems Only)
D-M-E Hot Runner Systems supplied as Manifold and Components Only (neither plates nor assembly supplied by D-M-E, excluding Electrical Parts)	One (1) year
D-M-E Electrical Parts (all heaters and thermocouples)	One (1) year
D-M-E Mold Controls (Temperature, Valve Gate & Cavity Pressure Controls, excluding Fuses & Triacs)	Three (3) years

Replacement or repair will be made at the election of D-M-E; implemented at a D-M-E facility and/or by shipment of replacement parts to the customer for installation and/or return of defective parts to D-M-E for repair.

Transferability:

This warranty may be transferred by the original D-M-E Customer to a subsequent owner of the product *if all of the following conditions exist*: (i) the original D-M-E Customer purchased the product for purposes of re-sale or other immediate transfer and D-M-E was made aware of these purposes at the time of purchase in writing, (ii) within thirty (30) days from the date of invoice, D-M-E is notified in writing of the transfer and provided with the name of the new owner (hereafter "Transferee"), the contact person of the Transferee and the Transferee's address.

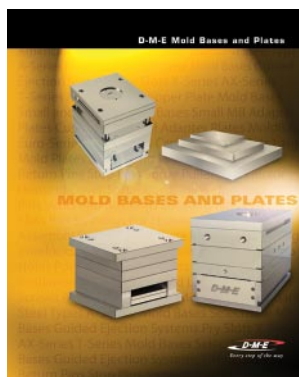
Exclusions:

- Normal wear of the system and components including, but not limited to: Nozzle Tips, Gate Shell Insulators, Nozzle Seal Rings, O-rings, Piston Seals, Valve Stems and Electrical connectors
- Damage to the critical seal-off areas on the manifold, nozzle bodies, or in the mating cavities or cavity inserts caused by improper assembly, operation, disassembly and maintenance
- Wear or damage resulting from corrosion or processing of abrasive/aggressive resins
- Damage due to failure to follow recommended operation and maintenance procedures specified in the D-M-E Hot Runner Manual, Hot Runner Nameplate, Service Bulletins, User Manuals or failure to follow standard industry operation and maintenance procedure
- Damage caused by abuse, neglect, and failure to adhere to D-M-E instructions and operational recommendations
- Damage caused by improper installation, operation and maintenance
- Damage resulting from modifications to the product or component parts, abuse or neglect
- Failure caused by modifications made to the product without the prior written approval of D-M-E
- Damage resulting from operation of products at injection pressures greater than 20,000 psi (1360 bar) on 250, 375, and 625 Series, Gate-Mate 4, Valve Gate, Galaxy and Stellar Systems; unless specifically designed and manufactured for higher pressure applications in agreement with manufacturer
- Damage or failure caused by the product's inability to perform as a component of a system design not supplied by D-M-E
- Operator absence or operator error
- Operator maintenance and training capability
- Electrical interruptions
- Events beyond the control of D-M-E
- Errors or actions by a third party
- Non-compliance with local laws, codes, ordinances or regulations codes or bylaws unless D-M-E is informed of them by our customer at the time of order placement

D-M-E: Your Complete Mold Technologies Provider



**Check Out All of the D-M-E Mold Technology Catalogs
And You'll See Why We're an Essential Resource to Thousands of Customers Worldwide!**



CATALOG: 308 PAGES

D-M-E Mold Bases & Plates

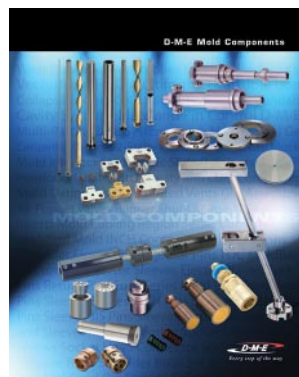
Choose from the world's widest selection of mold bases from uniquely featured, off-the-shelf solutions to full-featured, custom-configured offerings. An array of standard and specially machined mold plate sizes gives you unlimited options.



CATALOG: 156 PAGES

MUD Quick-Change Systems From D-M-E

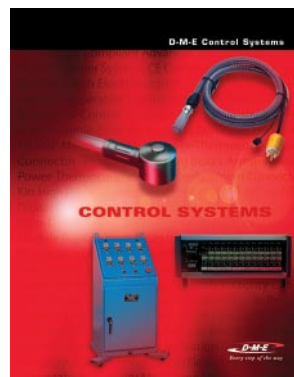
Reduce downtime by as much as 75 percent with an innovative approach to fast production changeovers. Master Unit Die is the leader in quick-change systems and the MUD Catalog offers many systems that will maximize your production volume.



CATALOG: 316 PAGES

D-M-E Mold Components

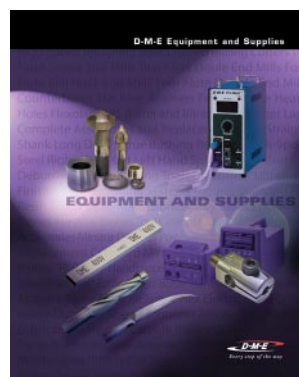
With the largest selection of mold components available around the globe, the D-M-E Mold Components Catalog has the products that will help you meet the unprecedented demands you face for speed, cost reduction and performance.



CATALOG: 76 PAGES

D-M-E Control Systems

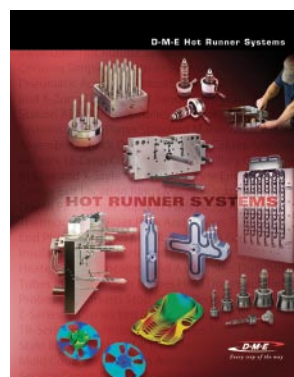
Powerful. Flexible. Affordable. That's what molders want from today's generation of hot runner, valve gate, and process controls, and D-M-E delivers with a broad line of controllers sure to fit the most demanding application.



CATALOG: 76 PAGES

D-M-E Equipment and Supplies

From high-speed cutting tools and finishing and polishing systems to a vast array of maintenance, repair and operation-related products, the D-M-E Equipment and Supplies Catalog is an invaluable resource for mold technology professionals.

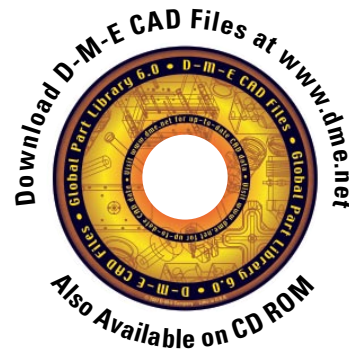


CATALOG: 174 PAGES

D-M-E Hot Runner Systems

Moldmakers, molders and mold designers worldwide look to the D-M-E Hot Runner Systems Catalog for essential hot runner solutions. From best-in-class components to complete, fully-functioning hot half systems, D-M-E has the broadest range of hot runner products and services.

D-M-E, an essential resource to the customers it serves worldwide, offers the industry's broadest range of market-leading products, unsurpassed knowledge and expertise, a global logistics infrastructure that ensures speed and accuracy, and a support organization unrivaled for its ability to assist customers when and where they need it. A complete line of hot runner systems, control systems, mold bases, MUD quick-change mold systems, mold components, moldmaking and molding equipment supplies, and technical services helps customers compete every step of the way.



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