



D-M-E MoldBasics™ Mold Bases

ECONOMICAL MOLD BASES
STOCKED FOR
IMMEDIATE DELIVERY



MoldBasics™ Mold Bases



Features and Applications

Low Cost

Simple Construction

Broad Range of Sizes

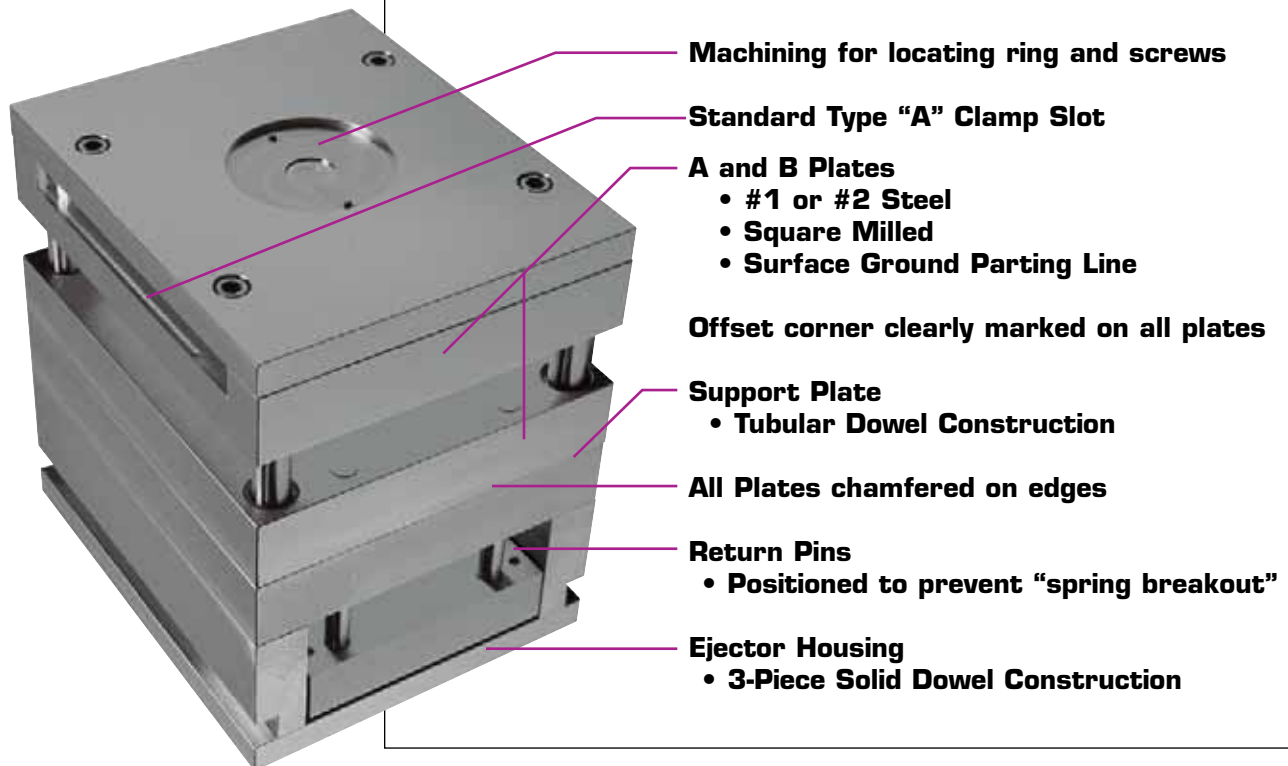
Immediate Availability

D-M-E's new MoldBasics™ line of mold bases is ideal for a variety of applications, including prototype molding and short-runs. Any project that requires a mold base with fewer standard features and a dramatically lower cost is perfect for the MoldBasics series. With MoldBasics, you'll have the flexibility to perform more value-added work and reduce the mold base cost significantly.

Because it's from D-M-E, you can count on the MoldBasics series to deliver reliable, trouble-free performance. And our knowledgeable customer service representatives can help you select the mold base that's just right for your application.

The MoldBasics series mold bases ship the day your order is received — to help you meet critical deadlines. Like all D-M-E products, your satisfaction is guaranteed with all MoldBasics series mold bases.

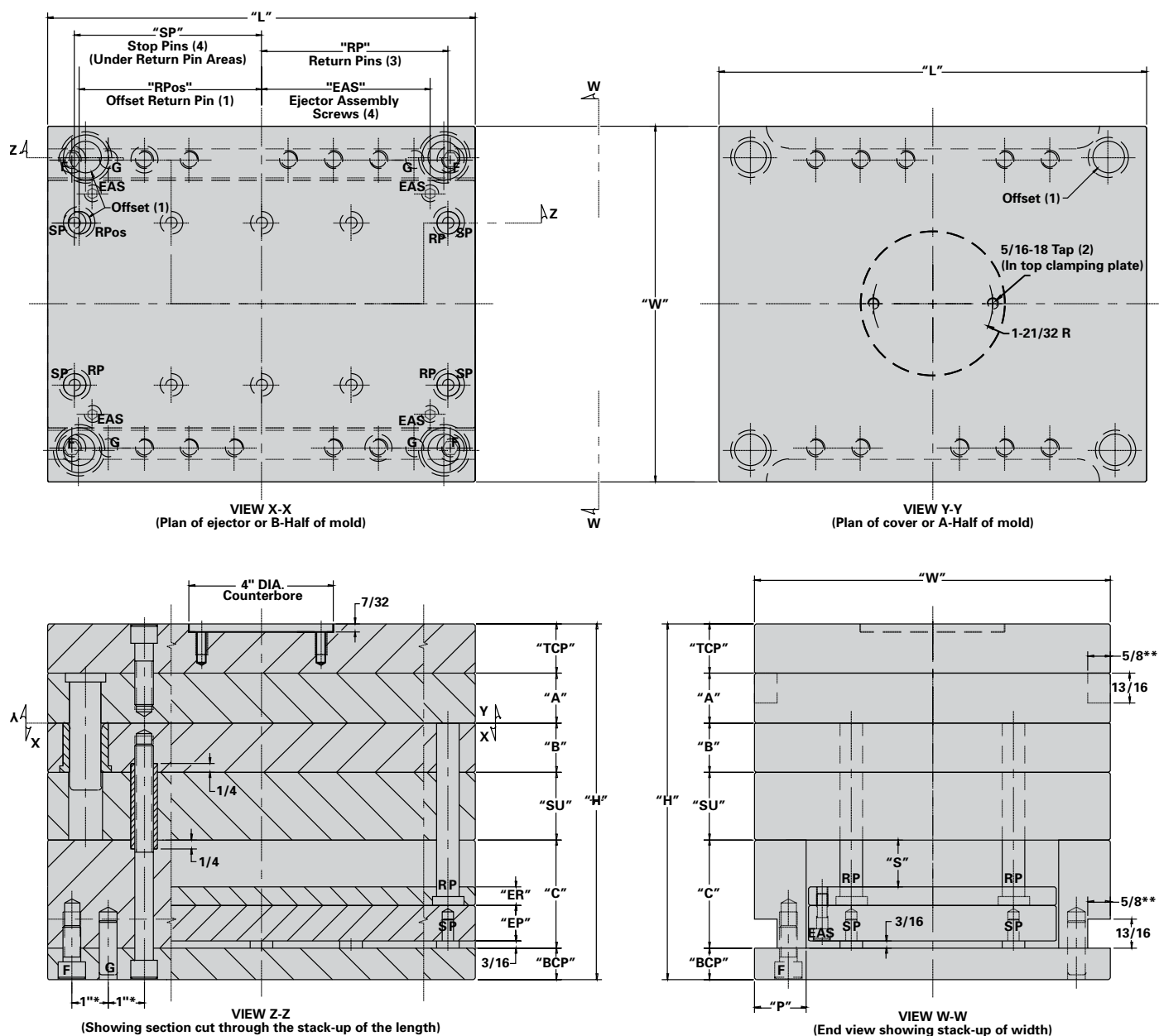
Features



Features

The D-M-E MoldBasics series is available in-stock in a range of popular sizes. This stocking program ensures rapid delivery.

To simplify ordering, this brochure provides key MoldBasics dimensions in nominal sizes from 7.875" x 7.875" up to 15.875" x 23.500". The drawings below provide specific definition of the variables referenced in the product dimension tables. Standard features of the MoldBasics series are also illustrated below.



* For all 9.875 x 8.000 mold bases, dimension is 3/4"
 ** For all 7.875 x 7.875 and 7.875 x 11.875 mold bases, dimension is 1/2"

Mold Base Product Line

D-M-E MoldBasics mold bases are available in a wide range of sizes. To meet the needs of a variety of applications, all sizes are available in both #1 and #2 steel.

Thickness of

A Plate	07	13	17	23	27
B Plate	07	13	17	23	27
0808	◆	◆	◆	◆	
0812	◆	◆	◆	◆	
1008	◆	◆	◆	◆	
1012	◆	◆	◆	◆	
1016	◆	◆	◆	◆	
1020		◆	◆	◆	
1112		◆	◆	◆	
1114		◆	◆	◆	
1118		◆	◆	◆	
1212		◆	◆	◆	◆
1215		◆	◆	◆	◆
1220		◆	◆	◆	◆
1315		◆	◆	◆	◆
1318		◆	◆	◆	◆
1321			◆	◆	◆
1323			◆	◆	◆
1518			◆	◆	◆
1524			◆	◆	◆
1616				◆	◆
1620				◆	◆
1623				◆	◆

No. 1 Steel

D-M-E MoldBasics #1 steel is a medium-carbon (AISI 1045), silicon-killed forging quality steel with approximately 25% greater tensile strength than typical low-carbon warehouse steels. It machines easily, but isn't "sticky," permitting a faster and smoother cut.

No. 2 Steel

D-M-E MoldBasics #2 steel is an AISI 4140-type steel. It is supplied pre-heat-treated to 28-34 Rc (269-321 Bhn). A high-strength steel, it is ideal for cavity and core retainer plates, clamping plates, and support plates in molds and dies.



Item Numbering

MBA 9999 - 99 - 99 - 9

Prefix

MBA — “MB” for MoldBasics, “A” for A Series

Nominal Size

Four numbers for nominal size. No space after prefix.
Note that single-digit nominal sizes begin with a zero
(e.g. “0808” for 8" x 8")

"A" Plate Thickness

Two numbers for plate thickness. Note that single-digit
thicknesses begin with a zero (e.g. “07” for 7/8")

"B" Plate Thickness

Two numbers for plate thickness. Note that single-digit
thicknesses begin with a zero (e.g. “07” for 7/8")

Steel Type

“1” for D-M-E MoldBasics #1 Steel,
“2” for D-M-E MoldBasics #2 Steel

Examples

MBA1008-07-07-2

9.875" x 8.000" mold base with 0.875" A plate and
0.875" B plate of #2 steel.

MBA0808-17-17-1

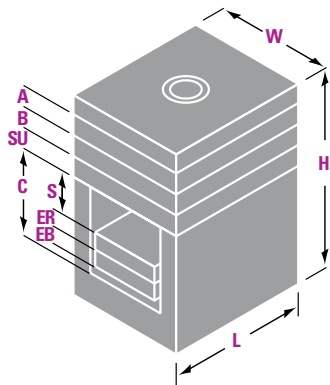
7.875" x 7.875" mold base with 1.875" A plate and
1.875" B plate of #1 steel.

MBA1623-27-27-2

15.875" x 23.500" mold base with 2.875" A plate
and 2.875" B plate of #2 steel.

MoldBasics™

Product Selection Tables



Variables

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

- W** = Width
L = Length
CP = 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

7.875 x 7.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA0808-07-07	7.875	7.875	0.875	0.875	2.500	0.813	7.375	111
MBA0808-13-13	7.875	7.875	1.375	1.375	2.500	0.813	8.375	129
MBA0808-17-17	7.875	7.875	1.875	1.875	2.500	0.813	9.375	147
MBA0808-23-23	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	RPx	3.313	RPg	0.500
	L	7.875	ER	0.500	SU	1.375	RPos	3.188	RPy	1.500	LPg	0.750

7.875 x 11.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA0812-07-07	7.875	11.875	0.875	0.875	2.500	0.813	7.875	174
MBA0812-13-13	7.875	11.875	1.375	1.375	3.000	1.313	8.875	205
MBA0812-17-17	7.875	11.875	1.875	1.875	3.500	1.813	10.375	235
MBA0812-23-23	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	RPx	5.313	RPg	0.500
	L	11.875	ER	0.500	SU	1.375	RPos	5.188	RPy	1.500	LPg	0.750

9.875 x 8.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1008-07-07	9.875	8.000	0.875	0.875	2.500	0.813	7.875	158
MBA1008-13-13	9.875	8.000	1.375	1.375	2.500	0.813	8.875	181
MBA1008-17-17	9.875	8.000	1.875	1.875	3.500	1.813	10.875	209
MBA1008-23-23	9.875	8.000	2.375	2.375	3.500	1.813	11.875	232

ALL ITEMS	W	9.875	EB	1.000	P	1.438	TCP	0.875	RPx	3.250	RPg	0.625
	L	8.000	ER	0.500	SU	1.875	RPos	3.125	RPy	2.250	LPg	0.750

9.875 x 11.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1012-07-07	9.875	11.875	0.875	0.875	2.500	0.813	7.875	235
MBA1012-13-13	9.875	11.875	1.375	1.375	3.000	1.313	9.375	273
MBA1012-17-17	9.875	11.875	1.875	1.875	3.500	1.813	10.875	311
MBA1012-23-23	9.875	11.875	2.375	2.375	3.500	1.813	11.875	344

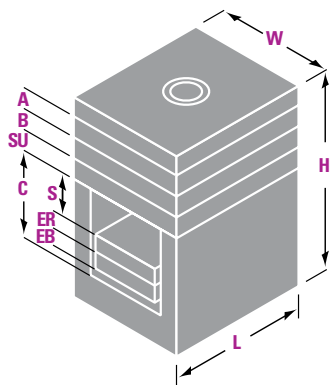
ALL ITEMS	W	9.875	EB	1.000	P	1.438	TCP	0.875	RPx	5.188	RPg	0.625
	L	11.875	ER	0.500	SU	1.875	RPos	5.063	RPy	2.250	LPg	0.875

9.875 x 16.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1016-07-07	9.875	16.000	0.875	0.875	2.500	0.813	7.875	316
MBA1016-13-13	9.875	16.000	1.375	1.375	3.000	1.313	9.375	367
MBA1016-17-17	9.875	16.000	1.875	1.875	3.500	1.813	10.875	418
MBA1016-23-23	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	RPx	7.250	RPg	0.625
	L	16.000	ER	0.500	SU	1.875	RPos	7.125	RPy	2.250	LPg	0.875

Product Selection Tables



9.875 x 20.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)				
MBA1020-13-13	9.875	20.000	1.375	1.375	3.000	1.313	9.375	459				
MBA1020-17-17	9.875	20.000	1.875	1.875	3.500	1.813	10.875	523				
MBA1020-23-23	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 x 12.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)				
MBA1112-13-13	10.875	12.000	1.375	1.375	3.000	1.313	9.375	305				
MBA1112-17-17	10.875	12.000	1.875	1.875	3.500	1.813	10.875	347				
MBA1112-23-23	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 x 14.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)				
MBA1114-13-13	10.875	14.000	1.375	1.375	3.000	1.313	9.375	355				
MBA1114-17-17	10.875	14.000	1.875	1.875	3.500	1.813	10.875	405				
MBA1114-23-23	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

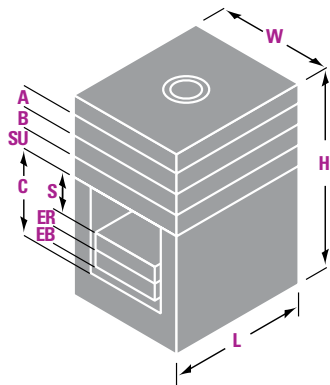
10.875 x 18.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)				
MBA1118-13-13	10.875	18.000	1.375	1.375	3.000	1.313	9.375	457				
MBA1118-17-17	10.875	18.000	1.875	1.875	3.500	1.813	10.875	521				
MBA1118-23-23	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 x 12.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)				
MBA1212-13-13	11.875	12.000	1.375	1.375	3.000	1.188	9.375	335				
MBA1212-17-17	11.875	12.000	1.875	1.875	3.000	1.188	10.375	375				
MBA1212-23-23	11.875	12.000	2.375	2.375	3.500	1.688	11.875	422				
MBA1212-27-27	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 MoldBasics series mold bases and their definitions

- W** = Width
- L** = Length
- CP** = 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

11.875 x 15.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1215-13-13	11.875	15.000	1.375	1.375	3.000	1.188	9.375	419
MBA1215-17-17	11.875	15.000	1.875	1.875	3.000	1.188	10.375	469
MBA1215-23-23	11.875	15.000	2.375	2.375	3.500	1.688	11.875	527
MBA1215-27-27	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 x 20.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1220-13-13	11.875	20.000	1.375	1.375	3.000	1.188	9.375	558
MBA1220-17-17	11.875	20.000	1.875	1.875	3.000	1.188	10.375	625
MBA1220-23-23	11.875	20.000	2.375	2.375	3.500	1.688	11.875	702
MBA1220-27-27	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 x 15.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1315-13-13	13.375	15.000	1.375	1.375	3.000	1.063	9.875	505
MBA1315-17-17	13.375	15.000	1.875	1.875	3.000	1.063	10.875	562
MBA1315-23-23	13.375	15.000	2.375	2.375	3.500	1.563	12.375	627
MBA1315-27-27	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 x 18.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1318-13-13	13.375	18.000	1.375	1.375	3.000	1.063	9.875	606
MBA1318-17-17	13.375	18.000	1.875	1.875	3.000	1.063	10.875	675
MBA1318-23-23	13.375	18.000	2.375	2.375	3.500	1.563	12.375	752
MBA1318-27-27	13.375	18.000	2.875	2.875	4.000	2.063	13.875	830

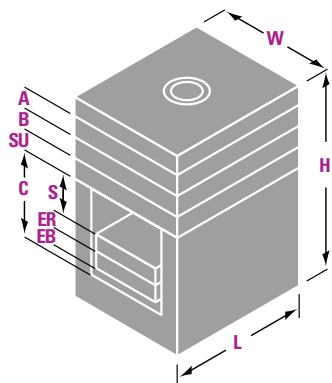
ALL ITEMS	W	13.375	EB	1.125	P	1.875	TCP	1.375	RPx	8.125	RPg	0.750
	L	18.000	ER	0.625	SU	1.875	RPos	8.000	RPy	3.813	LPg	1.000

13.375 x 20.750

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1321-17-17	13.375	20.750	1.875	1.875	3.000	1.063	10.875	777
MBA1321-23-23	13.375	20.750	2.375	2.375	3.500	1.563	12.375	867
MBA1321-27-27	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



13.375 x 23.500

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1323-17-17	13.375	23.500	1.875	1.875	3.000	1.063	10.875	881
MBA1323-23-23	13.375	23.500	2.375	2.375	3.500	1.563	12.375	982
MBA1323-27-27	13.375	23.500	2.875	2.875	4.000	2.063	13.875	1084

ALL ITEMS	W	L	A	B	C	S	H	WEIGHT (LBS)
	13.375	23.500	1.125	1.875	1.375	1.875	10.875	0.750
			0.625	1.875	10.750	3.813		1.000

14.875 x 17.875

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1518-17-17	14.875	17.875	1.875	1.875	3.500	1.563	11.875	790
MBA1518-23-23	14.875	17.875	2.375	2.375	3.500	1.563	12.875	865
MBA1518-27-27	14.875	17.875	2.875	2.875	4.000	2.063	14.375	950

ALL ITEMS	W	L	A	B	C	S	H	WEIGHT (LBS)
	14.875	17.875	1.125	1.875	1.375	1.875	8.063	0.750
			0.625	2.375	7.938	3.875		1.250

14.875 x 23.750

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1524-17-17	14.875	23.750	1.875	1.875	3.500	1.563	11.875	1050
MBA1524-23-23	14.875	23.750	2.375	2.375	3.500	1.563	12.875	1150
MBA1524-27-27	14.875	23.750	2.875	2.875	4.000	2.063	14.375	1262

ALL ITEMS	W	L	A	B	C	S	H	WEIGHT (LBS)
	14.875	23.750	1.125	1.875	1.375	1.875	11.000	0.750
			0.625	2.375	10.875	3.875		1.250

15.875 x 16.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1616-23-23	15.875	16.000	2.375	2.375	3.500	1.563	12.875	825
MBA1616-27-27	15.875	16.000	2.875	2.875	4.000	2.063	14.375	906

ALL ITEMS	W	L	A	B	C	S	H	WEIGHT (LBS)
	15.875	16.000	1.125	1.875	1.375	1.875	7.125	0.750
			0.625	2.375	7.000	4.375		1.250

15.875 x 20.000

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1620-23-23	15.875	20.000	2.375	2.375	3.500	1.563	12.875	1031
MBA1620-27-27	15.875	20.000	2.875	2.875	4.000	2.063	14.375	1132

ALL ITEMS	W	L	A	B	C	S	H	WEIGHT (LBS)
	15.875	20.000	1.125	1.875	1.375	1.875	9.125	0.750
			0.625	2.375	9.000	4.375		1.250

15.875 x 23.500

ITEM NUMBER	W	L	A	B	C	S	H	WEIGHT (LBS)
MBA1623-23-23	15.875	23.500	2.375	2.375	3.500	1.563	12.875	1212
MBA1623-27-27	15.875	23.500	2.875	2.875	4.000	2.063	14.375	1330

ALL ITEMS	W	L	A	B	C	S	H	WEIGHT (LBS)
	15.875	23.500	1.125	1.875	1.375	1.875	10.875	0.750
			0.625	2.375	10.750	4.375		1.250

Polimold Industrial S.A.



Polimold, of São Bernardo do Campo, Brazil, has been a D-M-E partner since 1975. Founded in 1971, Polimold is Latin America's largest manufacturer of mold bases — they also produce and market other plastics and die-casting tooling components.

Utilizing the latest technology, Polimold manufactures to the highest standards for over 7,000 active customers throughout Latin America.

