





Quick link to

Main Website



Quick link to

Master Catalog



Quick link to 3D CAD Link



Quick link to **Videos** 

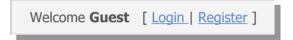
**Note:** When viewing the electronic version, simply click on the image in the right hand corner, and the link will automatically take you to 3D CAD Link.

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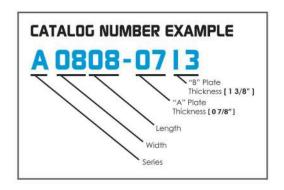


# A SERIES MOLD BASES

This is a standard in the industry that suits a variety of applications. These mold base assemblies lend themselves to through pocket machining.

### WHEN ORDERING PLEASE SPECIFY:

- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Locating Ring Catalog Number
- 4. C, E, O, R Dimensions
- 5. Top Clamp Plate Thickness and Slot Method
- 6. Inboard or Outboard Return Pin Location



TOP CLAMPING PLATE

"A" PLATE

"B" PLATE

SUPPORT PLATE

RISER

LOWER CLAMPING PLATE

See 'Standard Mold Plates' Chart for available sizes

### STANDARD STEEL TYPES







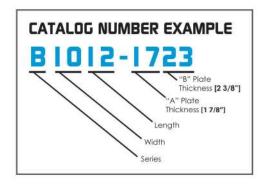


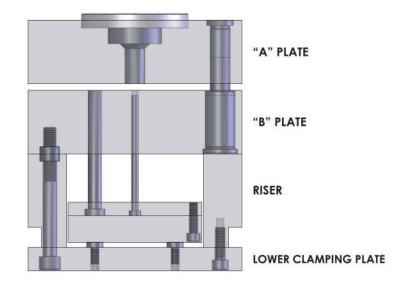
# **B SERIES MOLD BASES**

This popular series does not have top or support plates and is suited for blind pockets. It is also specified when machining cavity/core geometry directly into A/B plates.

### WHEN ORDERING PLEASE SPECIFY:

- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Locating Ring Catalog Number
- 4. C, E, O, R Dimensions
- 5. Top Clamp Slot Method
- 6. Inboard or Outboard Return Pin Location





See 'Standard Mold Plates' Chart for available sizes

### STANDARD STEEL TYPES







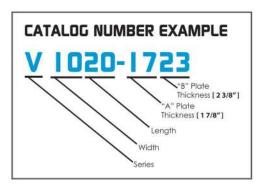


# **V SERIES MOLD BASES**

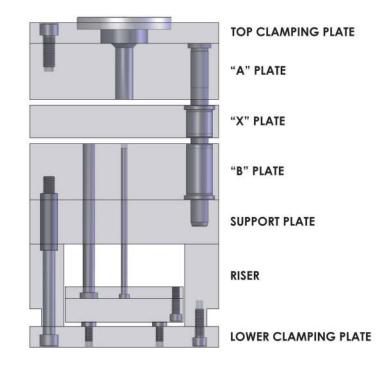
The "V" Series Mold Bases feature a Stripper Plate ("X") located between the "A" and "B" Plates. Based from the "A" Series (pins in "A" Plate), "X" Plate will remain with stationary side.

### WHEN ORDERING PLEASE SPECIFY:

- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Locating Ring Catalog Number
- 4. C, E, O, R Dimensions
- 5. "X" Plate Thickness
- 6. Top Clamp Plate Thickness and Slot Method
- 7. Inboard or Outboard Return Pin Location



See 'Standard Mold Plates' Chart for available sizes



### STANDARD STEEL TYPES









# T SERIES MOLD BASES

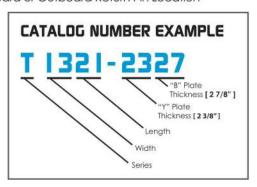
1. "A" Clamp Plate Thickness

1 7/8" for Bases 7 7/8" x 7 7/8" thru 19 1/2" x 35 1/2"

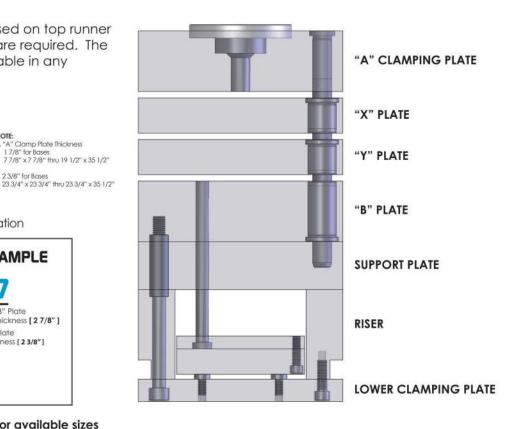
The '3-Plate' design is typically used on top runner molds when two floating plates are required. The "X", "Y" and "B" Plates are available in any thickness you specify.

### WHEN ORDERING PLEASE SPECIFY:

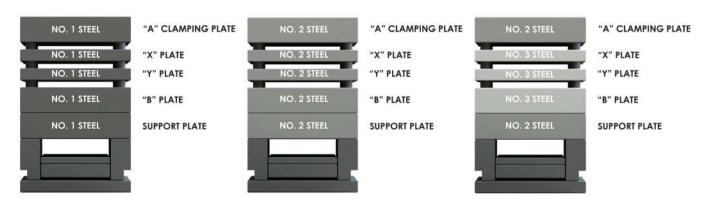
- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Locating Ring Catalog Number
- 4. C, E, O, R Dimensions
- 5. "X" Plate Thickness
- 6. Leader Pin Length
- 7. Top Clamp Slot Method
- 8. Inboard or Outboard Return Pin Location



See 'Standard Mold Plates' Chart for available sizes



### STANDARD STEEL TYPES



NO.1 STEEL ASSEMBLY

NO.2 STEEL ASSEMBLY





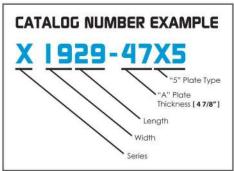


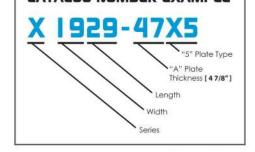
# X SERIES - 5 PLATE MOLD BASES

The "X-5" Series Mold Bases feature a Stripper Plate ("X") located between the "A" and "B" Plates, but without a support plate. With the pins in the "B" Plate, the "X" Plate will remain with the moveable side.

### WHEN ORDERING PLEASE SPECIFY:

- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Locating Ring Catalog Number
- 4. C, E, O, R Dimensions
- 5. "X" Plate Thickness
- 6. Top Clamp Plate Thickness and Slot Method
- 7. Inboard or Outboard Return Pin Location





See 'Standard Mold Plates' Chart for available sizes

# TOP CLAMPING PLATE "A" PLATE "X" PLATE "B" PLATE RISER LOWER CLAMPING PLATE

### STANDARD STEEL TYPES



**NO.1 STEEL ASSEMBLY** 

NO.2 STEEL ASSEMBLY





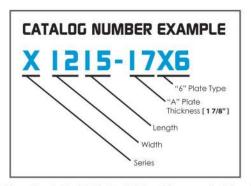


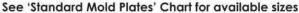
# X SERIES - 6 PLATE MOLD BASES

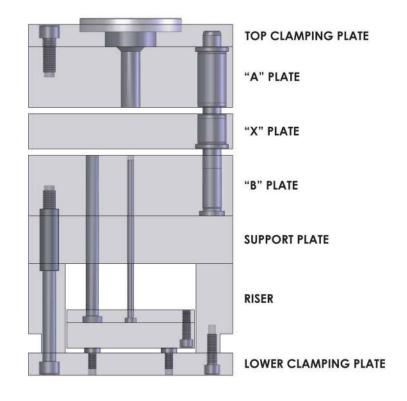
The "X-6" Series Mold Bases feature a Stripper Plate ("X") located between the "A" and "B" Plates. With the pins in the "B" Plate, the "X" Plate will remain with the moveable side.

### WHEN ORDERING PLEASE SPECIFY:

- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Locating Ring Catalog Number
- 4. C, E, O, R Dimensions
- 5. "X" Plate Thickness
- 6. Top Clamp Plate Thickness and Slot Method
- 7. Inboard or Outboard Return Pin Location







### STANDARD STEEL TYPES



NO.1 STEEL ASSEMBLY

**NO.2 STEEL ASSEMBLY** 







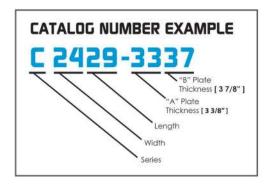
# **CAVITY RETAINER SETS**

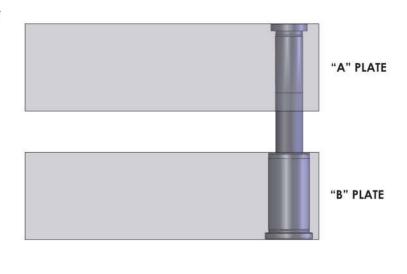
### **CAVITY RETAINER SETS**

These Sets are ideal as replacements for other Cavities and Core Plates on your existing molds. Apply them also when you are constructing your own mold bases - whether for compression or injection molding, or die casting dies.

### WHEN ORDERING PLEASE SPECIFY:

- 1. Quantity and Catalog Number
- 2. Steel Type
- 3. Leader Pin Length





See 'Standard Mold Plates' Chart for available sizes

### STANDARD STEEL TYPES



NO.1 STEEL ASSEMBLY

**NO.2 STEEL ASSEMBLY** 





### CURRENT STOCK

For current stock plate inventory, see website: www.superiordieset.com

## STANDARD STEEL TYPES

### SUPERIOR NO. 1 STEEL

A modified A36 steel with a restricted carbon range that is centered on 1020. It is a hot-rolled mild steel with greater tensile strength than typical low carbon warehouse steels. It has consistent machinability permitting economic stock removal.

### COMPOSITION NO. 1 STEEL

C	.18/.24
Mn	.60/.90
P	.04 Max.
S	.05 Max

### SUPERIOR FORTAL® ALUMINUM



This exclusive 7000 series aluminum alloy offers high strength, light weight, and exceptional machinability. Low residual stress and modulus of elasticity prevents premature deformation. Its uniform cross-section is harder than No.1 steel. The thermal conductivity being greater than steel along with excellent polishing characteristics, makes Fortal a good choice for plastic mold use.

### COMPOSITION FORTAL®

Cu	1.6
Mg	2.5
Cr	.23
Zn	5.6
Al 90	0.07

### OTHER METALS

Superior supplies products in other metals on special order with a variety of machining options. Non-stock materials may require extra lead time.

### SUPERIOR NO. 2 STEEL

An AISI 4130 alloy steel that is supplied heat treated to 300 Bhn (262-321). This holder block quality type of steel has an optimum balance between machinability and hardness while possessing excellent qualities for retainer and back up plate applications.

### COMPOSITION NO. 2 STEEL

C	.27/.33 (.29 Typ
Mn9	01/1.30 (1.15 Typ
	035 Max
	040 Max
Cr	.60/.90 (.75 Typ
Moly	.15/.25 (.20 Typ
Si	.15/.40 (.28 Typ
V	.02Min. (.04 Typ

### SUPERPLAST® STAINLESS STEEL



Superplast® SP Stainless (420 F Mod.) is a new 290-330 Bhn prehardened free machining mold steel. It has been specially designed for plastic mold bases, holders and unetched/ unpolished inserts and dies. Superplast® offers improved machinability, consistency and weldability. Moreover, the special chemistry, based on low Carbon and 12% Chromium content, confers to the steel a good corrosion resistance face to different media. Superplast® Stainless is not designed for highly polished or textured surfaces.

### **COMPOSITION SUPERPLAST®**

C	0.07
S - Max	0.15
	0.10
Cr	12.0

### SUPERIOR NO. 3 STEEL

A premium AISI 4130 alloy steel with reduced sulfur for cleanliness and excellent polishing ability. Supplied at 300 Bhn (262-321), this P20 type steel offers consistent machinability while maintaining superb mechanical properties.

### COMPOSITION NO. 3 STEEL

.24/.35 (.29 Typ.)
.75/1.00 (.90 Typ.)
025 Max.
.15/.40 (.28 Typ.)
.04Min. (.06 Typ.)

### TOOLOX® 44



A low carbon premium alloy steel designed to have high impact strength (Charpy tested @ 20 ft lbs) and low residual stresses and therefore good dimensional stability. At 45 HRc, this steel can be readily machined compared to steels of like hardness. Toolox 44 is formulated to ERS properties and can be polished to a LENS quality finish.

### **COMPOSITION TOOLOX® 44**





### **CURRENT STOCK**

For current stock plate inventory, see website: www.superiordieset.com

### SUPERIOR STANDARD MOLD PLATES

Part No. Catalog	MOLD BASE Actual Size MOLD PLATE THICKNESS (ie. Top, A, B, X Plates)										
Size	W	L	7/a" 07	1 %" 13	1 %" 17	2 %" 23	2 %" 27	3 %" 33	3 %" 37	4 %" 47	5 %" 57
0808	7 1/8	7 1/8	1 2	1 2	123F	123F	123F				
0812	7 1/8	11%	1 2	1 2	123F	123F	123F				
1008	9 1/8	8	1 2	1 2	1 2	1 2	1 2	2	17		
1012	9 %	11%	1 2	1 2	1 2	123F	123F	3 F	3 F		
1016	9 1/8	16	1 2	1 2	1 2	1 2	1 2				
1020	9 1/8	20	1 2	1 2	1 2	1 2	1 2				
1112	10 1/8	12	1 2	1 2	1 2	1 2	1 2				
1114	10 %	14	1 2	1 2	1 2	123F	123F	3 F	3 F		
1118	10 %	18	1 2	1 2	1 2	1 2	1 2				
1123	10 %	231/2	1 2	1 2	1 2	1 2	1 2				
1212	11%	12	1 2	1 2	1 2	1 2	123F	3 F	3 F		
1215	11%	15	1 2	1 2	1 2	1 2	12				
1220	11%	20	1 2	1 2	1 2	1 2	1 2				
1223	11%	231/2	1 2	1 2	1 2	1 2	1 2				
1315	13 %	15	1 2	1 2	1 2	1 2	123F	3 F	3 F		
1318	13 %	18	1 2	1 2	1 2	1 2	123F	3 F	3 F	3 F	
1321	13%	20 ¾	1 2	1 2	1 2	1 2	1 2				
1323	13 %	23 1/2	1 2	1.2	1 2	1 2	1 2				
1326	13%	26		A170-200	110 30000		11/2007		*		
1329	13%	29 1/2									
1518	14%	17 %	1	1 2		1 2			1-		
1524	147/8	23 3/4	1	1.2		1 2					
1529	_	29 1/2							· ·		
1616	15 %	16	1	1.2		1.2	3 F	3 F	3 F	3 F	
1620	15 %	20	1	1 2	2	1 2	2	1		3 <del>-2</del> /1183	ž.
1623	15 1/8	231/2	1	1 2		1 2	( <del></del> )				
1626	15 %	26		7,07					1		
1629	15 %	291/2									
1635	15 1/8	351/2									
1724	161/2	23¾									
1729	161/2	291/2						*			
1818	17 1/8	18	1	1.2		1 2					
1820	17 1/8	20	1	1 2	2	1 2	2				
1823	17 7/8	231/2		1 2		1 2		3 F	3 F	3 F	
1826	17 7/8	26		1 2		1.4		5 1	V 1	0	
1829	17 %	291/2									
1835		351/2									
1924	191/2	233/4	1	1.2	2	1 2		3 F	3 F	3 F	
1929	191/2	291/2		1 4		1 2		3 F	3	3	
1935	191/2	351/2	-						4		
2424	23 3/4			1 2		1 2	3 F	3 F	3 F	3 F	
2424				1 2		1 2	3 1	3 F	3 F	3 1	
	23 3/4										
2435	25 74	JJ 72			a be asset with the	0107. 55	0 51	(III I 0107	000		l
				Blan	chard Thickne	ess + .010/+ .02	U Edge M	1illed + .010/+.	020		
			1 = 10	20 STEEL 2	2 = 4130 HOL	DER BLOCK	3 = 4130 F	2-20 F = FC	ORTAL® ALUM	MINUM	



Steel type indicated for BE FAST air size in stock. If not shown can be made to order. May require special lead time.





### **CURRENT STOCK**

For current stock plate inventory, see website: www.superiordieset.com

### SUPERIOR STANDARD MOLD PLATES

Part No. Catalog	PLATE			RISER "C" HEIGHT			PLATE		AINER KNESS		TOR (NESS					
Size	THK	2.500	3.000	3.500	4.000	4.500	WIDTH	0.500	0.625	1.000	1.125					
0808	1.250	1	1	1	1	1	5.250	1		1						
0812	1.250	1	1	1	1	1	5.250	1		1						
1008	1.438	1	1	1	1	1	6.875	1		1						
1012	1.438	1	1	1	1	1	6.875	1		1						
1016	1.438	1	1	1	1	1	6.875	1		1						
1020	1.438	1	1	1	1	1	6.875	1		1						
1112	1.688	1	1	1	1	1	7.375	1		1						
1114	1.688	1	1	1	1	1	7.375	1		1						
1118	1.688	1	1	1	1	1	7.375	1		1						
1123	1.688	1	1	1	1	1	7.375	1		1						
1212	1.688		1	1	1	1	8.375	1			1					
1215	1.688		1	1	1	1	8.375	1			1					
1220	1.688		1	1	1	1	8.375	1			1					
1223	1.688		1	1	1	1	8.375	1			1					
1315	1.875		1	1	1	1	9.500		1		1					
1318	1.875		1	1	1	1	9.500		1		1					
1321	1.875		1	1	1	1	9.500		1		1					
1323	1.875		1	1	1	1	9.500		1		1					
1326	1.875						9.500									
1329	1.875						9.500									
1518	1.875			1	1	1	11.000		1		1					
1524	1.875			1	1	1	11.000		1		1					
1529	1.875						11.000									
1616	1.875			1	1	1	12.000		1		1					
1620	1.875		1	1	1	1	12.000		1		1					
1623	1.875			1	1	1	12.000		1		1					
1626	1.875						12.000									
1629	1.875						12.000									
1635	1.875						12.000									
1724	1.875						12.625									
1729	1.875						12.625									
1818	1.875			1	1	1	14.000		1		1					
1820	1.875		1	1	1	1	14.000		1		1					
1823	1.875			1	1	1	14.000		1		1					
1826	1.875						14.000									
1829	1.875						14.000									
1835	1.875						14.000									
1924	1.875		1	1	1	1	15.625		1		1					
1929	1.875						15.625									
1935	1.875						15.625									
2424	1.875			1	1	1	19.875		1		1					
2429	1.875						19.875									
2435	1.875						19.875									
	Blanci	hard Thicknes	s + .010/+ .02	20 Edge I	villed + .010/	+.020		Ejecto	r/Retainer L	x W to size						
		1:	= 1020 STEEL				4130 P-20				1 = 1020 STEEL 2 = 4130 HOLDER BLOCK 3 = 4130 P-20 F = FORTAL® ALUMINUM					



Steel type indicated for BE FAST asize in stock. If not shown can be made to order. May require special lead time.



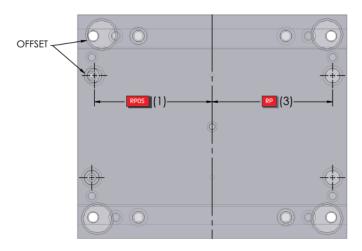
# **RETURN PINS - OUTBOARD**

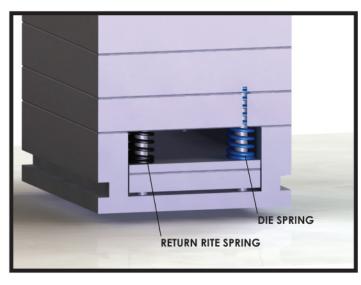
Superior offers two RETURN PIN locations to best suit your mold design requirements. Both locations are considered 'standard' at Superior Die Set and will not affect the price or lead time of the mold base.

Location 'Outboard' puts the pins in the traditional location which offers you the maximum work area inside the mold base. However, when using 'die springs' these locations will cause a break out where the spring pocket meets the outside edge of the mold base. This can be simply solved by using Return Rite™ springs which requires a smaller spring pocket hole and eliminates the break out (see note below).

Special return pin locations are also available upon request.

### **RETURN PIN POSITION**





### **RETURN PIN LOCATIONS**

MOLD BASE SIZE	PIN LOCATION - X DIMENS			
(CATALOG NO.)	OUTBOARD	(TRADITIONAL)		
(LATALUU NU.)	RP 3 - PL	RPOS I - PL		
0808 *	3.3750	3.2500		
0812 *	5.3750	5.2500		
1008	3.3750	3.2500		
1012	5.3125	5.1875		
1016	7.3750	7.2500		
1020	9.3750	9.2500		
1112	5.3750	5.2500		
1114	6.3750	6.2500		
1118	8.3750	8.2500		
1123	11.1250	11.0000		
1212	5.3750	5.2500		
1215	6.8750	6.7500		
1220	9.3750	9.2500		
1223	11.1250	11.0000		
1315	6.8750	6.7500		
1318	8.3750	8.2500		
1321	9.6250	9.5000		
1323	11.0000	10.8750		
1326	12.2500	12.1250		
1329	14.0000	13.8750		
1518	8.2500	8.1250		
1524	11.1250	11.0000		
1529	14.0000	13.8750		
1616	7.2500	7.1250		
1620	9.2500	9.1250		
1623	11.0000	10.8750		
1626	12.2500	12.1250		
1629	14.0000	13.8750		
1635	17.0000	16.8750		
1724	11.1250	11.0000		
1729	14.0000	13.8750		
1818	8.2500	8.1250		
1820	9.2500	9.1250		
1823	11.0000	10.8750		
1826	12.2500	12.1250		
1829	14.0000	13.8750		
1835	17.0000	16.8750		
1924	11.1250	11.0000		
1929	14.0000	13.8750		
1935	17.0000	16.8750		
2424	11.1250	11.0000		
2429	14.0000	13.8750		
2435	17.0000	16.8750		

NOTE: \* Spring break-out will still occur with Return Rite springs on these two mold base sizes due to extreme outboard pin locations.



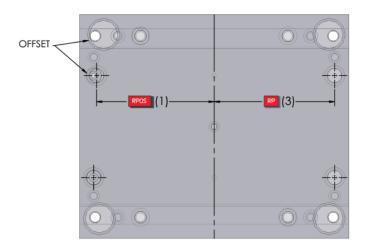
# **RETURN PINS - INBOARD**

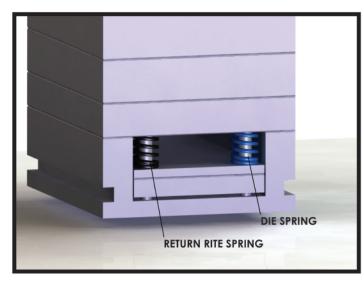
Superior offers two RETURN PIN locations to best suit your mold design requirements. Both locations are considered 'standard' at Superior Die Set and will not affect the price or lead time of the mold base.

Location 'Inboard' puts the pins inward 1/8" from the traditional locations so that spring pocket holes will not break out when using die springs. Return Rite™ springs can also be used in these locations to increase work area in the mold base. For more information regarding Return Rite springs, see our Component section.

Special return pin locations are also available upon request.

### RETURN PIN POSITION





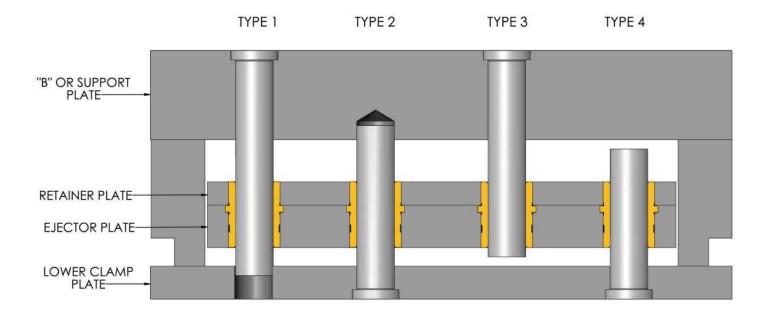
MOLD BASE SIZE	MOLD BASE SIZE PIN LOCATION - X DIMENSIC				
(CATALOG NO.)	INB	OARD			
	RP 3 - PL	RPOS 1- PL			
0808	3.2500	3.1250			
0812	5.2500	5.1250			
1008	3.2500	3.1250			
1012 1016	5.1875 7.2500	5.0625 7.1250			
1020	9.2500	9.1250			
1112	5.2500	5.1250			
1114	6.2500	6.1250			
1118	8.2500	8.1250			
1123	11.0000	10.8750			
1212	5.2500	5.1250			
1215	6.7500	6.6250			
1220	9.2500	9.1250			
1223	11.0000	10.8750			
1315	6.7500	6.6250			
1318	8.2500	8.1250			
1321	9.5000	9.3750			
1323	10.8750	10.7500			
1326	12.1250	12.0000			
1329	13.8750	13.7500			
1518	8.1250	10.8750			
1524	11.0000	13.7500			
1529	13.8750	8.0000			
1616	7.1250	10.7500			
1620	9.1250	12.0000			
1623 1626	10.8750 12.1250	7.0000 13.7500			
1629	13.8750	9.0000			
1635	16.8750	16.7500			
1724	11.0000	10.8750			
1729	13.8750	13.7500			
1818	8.1250	10.7500			
1820	9.1250	12.0000			
1823	10.8750	8,0000			
1826	12.1250	13.7500			
1829	13.8750	9.0000			
1835	16.8750	16.7500			
1924	11.0000	10.8750			
1929	13.8750	13.7500			
1935	16.8750	16.7500			
2424	11.0000	10.8750			
2429	13.8750	13.7500			
2435	16.8750	16.7500			

RETURN PIN LOCATIONS



# **GUIDED EJECTOR SYSTEM - TYPES**

To help align and support ejector plate assemblies during the molding operation, install a Superior Guided Ejector System to all of your mold bases. These systems help eliminate ejector system wear by the use of a leader pin and bushing in the ejector housing. With optional pin installation methods shown below, the bushing is slip-fit in retainer plate and a press-fit in the ejector plate. The locations can be customized to your design or machined to our standard coordinates.

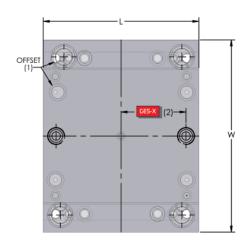


Superior Guided Ejector Systems come with our Bronze Rite™ bushings, which are through-hardened steel with a heavy lining of bronze for maximum lubricity. Or, choose from solid bronze or self lubricating bushing types. Our pins are especially designed with a low profile press-fit not to extend past the lower clamp plate, and only a small radius on the end for positive locating into the support plate.

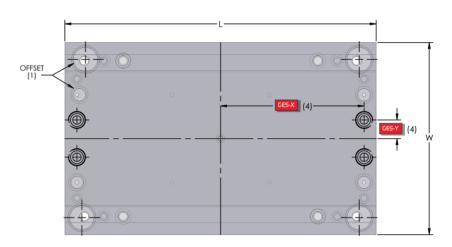
# WHEN ORDERING PLEASE SPECIFY: 1. System Type 2. Pin Diameter 3. Pin Location 4. Bushing Type 5. Quantity



# **GUIDED EJECTOR SYSTEM - LOCATIONS**



"B" PLAN FOR 0808, 0812 & 1008 MOLD BASE SIZE ONLY



"B" PLAN FOR 1012 - 2435 MOLD BASES

### **GUIDED EJECTOR SYSTEM LOCATIONS**

MOLD BASE SIZE	PIN DIAMETER	PIN LOCATION		
(Catalog No.)	(Typically Used)	GES-X	GES-Y	
0808	3/4"	3.0000	Centered	
0812	3/4"	5.0000	Centered	
1008	3/4"	3.0625	Centered	
1012	3/4"	5.0000	1.0000	
1016	3/4"	7.0625	1.0000	
1020	3/4"	9.0625	1.0000	
1112	3/4"	5.0625	1.6250	
1114	3/4"	6.0625	1.6250	
1118	3/4"	8.0625	1.6250	
1123	3/4"	10.8125	1.6250	
1212	7/8"	5.0000	1.7500	
1215	7/8"	6.5000	1.7500	
1220	7/8"	9.0000	1.7500	
1223	7/8"	10.7500	1.7500	
1315	7/8"	6.5000	2.3750	
1318	7/8"	8.0000	2.3750	
1321	7/8"	9.3750	2.3750	
1323	7/8"	10.7500	2.3750	
1326	7/8"	12.0000	2.3750	
1329	7/8"	13.7500	2.3750	
1518	1"	7.8750	2.3750	
1524	1"	10.8125	2.3750	

MOLD BASE SIZE	PIN DIAMETER	PIN LOCATION	
(Catalog No.)	(Typically Used)	GES-X	GES-Y
1529	1"	13.6875	2.3750
1616	1"	6.9375	2.8750
1620	1"	8.9375	2.8750
1623	1"	10.6875	2.8750
1626	1"	11.9375	2.8750
1629	1"	13.6875	2.8750
1635	1"	16.6875	2.8750
1724	1"	10.8125	3.1250
1729	1"	13.6875	3.1250
1818	1"	7.9375	3.8750
1820	1"	8.9375	3.8750
1823	1"	10.6875	3.8750
1826	1"	11.0375	3.8750
1829	1"	13.6875	3.8750
1835	1"	16.6875	3.8750
1924	1"	10.8125	4.6250
1929	1"	13.6875	4.6250
1935	1"	16.6875	4.6250
2424	11/4"	10.6875	6.1250
2429	11/4"	13.5625	6.1250
2435	11/4"	16.5625	6.1250



# **CLAMPING SLOTS**



<sup>\* .500</sup> for Mold Bases 7.875" wide

Available Upon Request: Slots machined through plate length and slots on all four Mold Base sides.







# **BE FAST™ IN YOUR SELECTION!**



### **IMMEDIATE SHIP KIT™**

- FORTAL® aluminum, #2, #3 (P20) steel plates
- #1 steel ejector housing plates
- Ground plates with 0.010 inches finishing stock
- All components, including leader pins, bushings, locating ring, sprue bushing, sprue puller pin, return pins and hardware
- Options: guided ejector components, support pillars, Return-Rite™ springs and more

### **EXPRESS BASE™**

- · Complete mold base assembly
- Be Fast<sup>™</sup> and Cavity Retainer Sets in FORTAL<sup>®</sup> aluminum, #2, #3 (P20) steel plates
- · With or without center holes
- Relocated components





### **QUICK CUSTOM™ BASES**

- Rough pocket machining
- Eye-bolt (handling) holes
- Water lines
- Guided ejector system
- Support pillars
- Return spring pockets
- · Pry slots

### **CAVITY RETAINER SETS**

- A and B cavity retainer plates in FORTAL® aluminum, #2, #3 (P20) steel plates
- Leader Pins and bushing components
- Shipped in Immediate Ship Kits™ or as Express Base™ assemblies





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