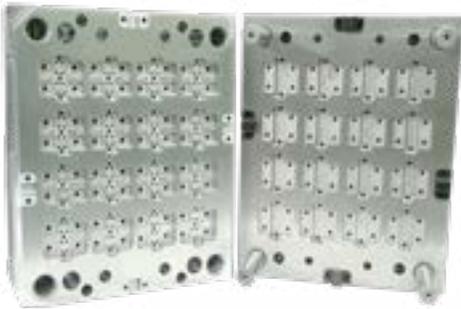




Turn To The Industry Experts

Mold Base Solutions

- Mold Bases
- Insert Steels
- Mold Plate
- Accessories



Standard Mold Bases

PCS Company offers competitive pricing for each Mold Base option. All bases are produced to Industry Standard Tolerances, in climate controlled facilities and on state of the art equipment. 32 standard sizes from 7-7/8" x 7-7/8"-23-3/4" x 35-1/2". Plate thicknesses range from 7/8"- 5-7/8". Available in series A, B, T, AX, 5X and 6X plate stripper series. Steel types available are P20 and Stainless Steel.

- Guided Ejection
- #3 Steel A & B Plates
- Return Pins
- Pry Slots
- Vented Leader Pins
- Interchangeable Plates
- Finished Ground $\pm .001"$



Tool Tip:

Use the PCS Standard Mold Base online configurator for an instant quote.

Start a New Quote | Quotes | Orders

A Series Configurator

Steel Option	<input checked="" type="radio"/> #3 A&B Plates <input type="radio"/> #7 A&B Plates <input type="radio"/> #7 All Plates	
Mold Base Size	88 - 7 7/8 x 7 7/8	55 Frame, 2P/W = 6.26
A Plate Thickness	1.375	
B Plate Thickness	1.375	
C Rail Height	3.000	EJS = 1.213, (SH) = 9.378
Top Insulator	None	
Bottom Insulator	None	
Center Holes	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Center Components	Locating Ring + Sprue Bushing	
Locating Ring	4501 Ø 4" Standard	
Sprue Orifice (Ø)	<input checked="" type="radio"/> 5/32 <input type="radio"/> 7/32 <input type="radio"/> 9/32	
Sprue Radius (R)	<input checked="" type="radio"/> 1/2 <input type="radio"/> 3/4	
Sprue Bushing	2.78 L, U-4602-51"	
Leader Pin	3.25 L, 0.87 PPL, 103-GL"	LD = 1.076
Return Pin	4.563 L, RP-02"	
Guided Ejection	<input checked="" type="checkbox"/> Yes, Include Components & Hol	
Guided Ejection Style	<input checked="" type="radio"/> Style 1, Center <input type="radio"/> Style 2, Offset	
OE Bushing	Solid Bronze, BGEB-750"	
Shuttle Base	<input type="checkbox"/>	
Number of Bases	1	

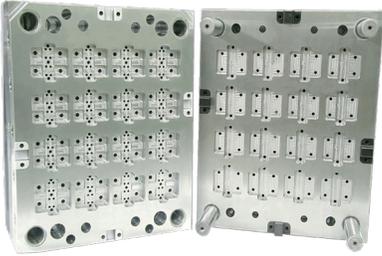
Thicknesses: TC 1.375 | SP 1.375 | BR 0.600 | EP 1.000 | SD 0.1875 | SC 0.075
 Diameters: Sprue Bush Ø3/4 | LP Ø3/4 | RP Ø1/2 | OE Pin Ø3/4
 Other Sizes: Ejector Holes 2X 1/2-13 each in TC and SP
 Mold Base Weight: approx. 147.0 (65.7kg)

Generate CAD



SCAN ME!

Special Mold Bases



Order a custom designed Mold Base fully machined to your specifications. Large Mold Bases and non-standard sizes can be quoted through our partner, LKM. PCS can manufacture up to 23-3/4" x 35-1/2" and LKM can manufacture up to 142" x 157".

PCS Company machines to 3D CAD files and follow Quality ISO9001:2015 guidelines. CMM Reports included with each Mold Base.



Capabilities:

- Drilling
- Advanced Custom Machining
- Slotting
- Saw Cut
- Grinding



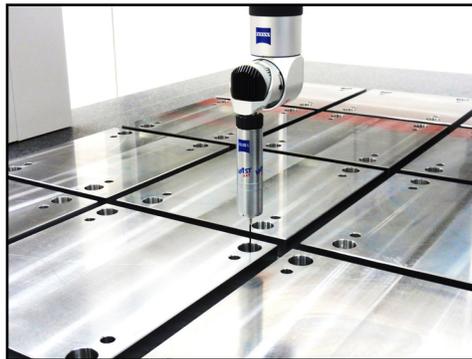
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PCS/LKM® Mold Bases

PCS Company has partnered with LKM® Group to provide quality, large, and custom sized mold bases at a competitive price.



- Materials offered: 1045, P-20, 420 Stainless, H13, NAK55
- Expanded size range: length and width to 157.000", and thickness to 28.000"
- From 2D to Rough 3D Contour machining
- Angle pins and waterlines
- Rough and precision machined pockets



Quality is just as important as quantity. To ensure LKM® steel products meet the high requirements of our customers, LKM® has invested heavily and developed testing capabilities that rivals steel mills:

- Hardness, tensile, impact strength tests
- Chemical composition analysis
- Micro-structure analysis
- Failure analysis
- Metal cutting analysis

Aluminum Mold Bases

PCS Standard Aluminum Mold Bases are precision machined from 7075 aluminum. 23 standard frame size and plate thickness combinations are available. Aluminum mold bases have faster cycle times when compared to pre-hardened P-20 molds. Machining costs and lead-time is dramatically reduced when using an Aluminum Mold Base. Aluminum Mold Bases are made to order, please call PCS for lead time.



Includes:

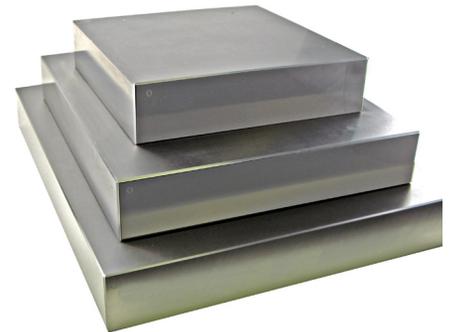
- Top Clamp Plate
- A Plate
- B Plate
- Rails
- Retainer Plate
- Ejector Plate
- Bottom Clamp Plate
- 4 Leader Pins
- 4 Bushings
- 4 Return Pins
- All Assembly Bolts



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Mold Plates & Ejector Housings

Finished Ground Mold Plate options, including Ejector Housings and Blank Rails, are available in all standard PCS sizes and thicknesses across the entire line of PCS Company's standard mold bases. Custom Mold Plate sizes are available upon request. Don't see what you need? We can custom order it!



- Off the shelf availability
- 32 sizes available
- 9 Thicknesses from 5-7/8"



- Bottom, Top, and Support Plates
- Ejector and Retainer
- Housings
- Rails



SCAN ME!

Insert Steels

PCS is now offering 10 different insert steels that come in custom sizes to meet your requirements. All 6 sides of the inserts are square milled with tolerances $+.004 / .000$.



- Nak 55®
- Nak 80®
- PX5®
- DH2F®
- Toolox 33®
- Toolox 44®
- DCMX®
- DHA-World®
- Superplast Stainless®
- S-Star Stainless®



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NAK55 is a 40 HRC pre-hardened, high performance, high precision, mold steel. P-21 Equivalent.

NAK80 is a 40 HRC pre-hardened, high performance, high precision, high polish mold steel. P20 LQ equivalent.

PX5 is a modified P20, high performance, high precision, mold steel. 29-33 HRC.

Superplast® Stainless is a pre-hardened, free-machining, stainless mold steel specially designed for plastic mold bases. 420 Pre-Hard equivalent. 30-34 HRC.

TOOLOX 44 is a new tool steel designed to have high impact and low residual stresses and therefore good dimensional stability. H-13 Type Pre-Hard equivalent. 41-47 HRC.

TOOLOX 33 is a tool steel designed to have low residual stresses and extremely good machinability. 4140 / P20 equivalent. 30-35 HRC.

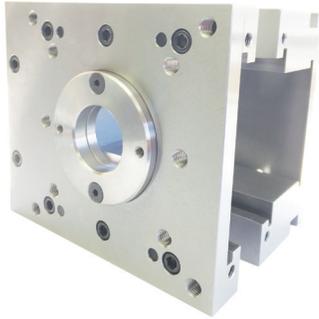
DCMX is a matrix-type cold work tool steel: only fine carbides are distributed in matrix due to optimum alloy design and production process. DCMX shows high performance in service and ease in mold making. S7 equivalent. Can be heat treated to 58-62 HRC.

420 ESR Stainless Steel Stocked in the pre-hardened condition (30-34 HRC) can be heat treated to 50-53 HRC. 420 Annealed equivalent.

DHA-World is a high hardenability and high tough general use hot work die steel. H-13 equivalent. Can be heat treated to 48-52 HRC.

DH2F is a modified H-13, pre-hardened to 37-41 HRC.

F.I.T.S.



Maximize production changeovers and reduce downtime with a more cost effective approach to injection molding. F.I.T.S. replaces the need for standard mold bases by utilizing a frame and interchangeable inserts for short production runs, sampling and prototyping. Compatible with MUD® and RTI® Systems!

- Inserts
- Frames
- Components
- Plates



Tool Tip:

Use the PCS F.I.T.S online configurator for an instant quote.

F.I.T.S.

Step 1: Insert Style

Step 2: Insert Series

Step 3: Plate Thickness
A Plate Thickness
B Plate Thickness

Step 4: Guided Ejection

Step 5: F.I.T.S. Frame (Optional)
Frame Price:

The PCS Configurator allows you to easily configure your F.I.T.S. Insert and place an order. (Please note: Images are for reference only and may not match exactly what you receive.)



Item Number: FTS-0809-221 Total List Price: \$435.71 [ADD TO CART](#)



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Insulator Sheets

PCS Company insulator sheets are made in the U.S.A and are offered in full blank sheets, pre-cut without center locating ring holes and pre-cut with locating ring center holes to fit standard PCS mold bases and others such as DME®. Based on your specific processing application, choose either ¼" or ½" thicknesses. These insulator sheets are asbestos free, oil and moisture resistant plus have high hot compressive strength. PCS Company's insulator sheets are found on injection molds, die casting molds, compression molds, and hot runner systems.

- Blank Full Sheets
- Pre-Cut With Center Hole
- Pre-Cut Without Center Hole
- Special Insulator Sheets (Made to Order)



SCAN ME!



Our Capabilities

We are many things to many people. Our state of the art manufacturing facility is equipped with the latest technology to meet industry demands and mold base requirements. Currently, we offer standard size, off-the-shelf, mold bases that are ready to ship or have additional machining options added to meet your requirements. We also offer full custom machined mold bases based on custom size and configuration up to 35.000" long and thickness to 6.000". Let us ship you your next Standard Mold Base or quote your Custom Mold Base from our Mold Shop.

Through our expanded capabilities with reliable mold partners, we can offer imperial and metric custom mold bases up to 157.000" long, and thickness to 28.000", from 2D to rough 3D rough contour machining, rough and precision machined pockets.

Our Commitment to Quality

You can expect the highest level of quality and service when you order from and work with us. Our ISO 9001:2015 is extremely important to us and we take great pride in the products and services. Our Quality Statement is our commitment to continuous improvement and helps us strive to be better. PCS Company is a leader in the plastics industry through exceptional service and product quality with a keen focus on continual improvement in all we do.



Turn To The Industry Experts