Die Safety Blocks
For Presses and Press Brakes
WHY SAFEGUARD?

According to Occupational Safety and Health Administration (OSHA) statistics, nearly 18,000 workers in metal fabricating plants suffer non-fatal injuries annually in the United States. Even with strict machine and operator safety regulations in place, unguarded hazardous machinery remains a major source of fatalities, amputations and other traumatic injuries in manufacturing plants. A recent survey showed an alarming 50 percent or more of metal fabricating machinery in the United States are not in compliance with the critical safety requirements for guarding outlined by OSHA and the American National Standards Institute (ANSI).

Since 1971, the Fortune 500 and many of North America’s largest manufacturers have depended upon Rockford Systems for customized machine safeguarding solutions to bring their operations into compliance with today’s OSHA regulations, ANSI, RIA and NFPA standards to ensure they are prepared for tomorrow’s safety challenges.
OUR MISSION

Our aim is to enhance the long-term health and quality of life of workers in high-risk occupations, while improving the bottom line of the organizations we serve by increasing compliance, reducing risk, lowering costs, and improving productivity.

ROCKFORD SYSTEMS CAN HELP

At Rockford Systems, we are experts at machine guarding because it has been our sole focus for over 45 years. We stand committed to the prevention of injuries and fatalities. We are here to help insurance agencies, academic institutions, and businesses, large and small, address machine safety challenges and to remove the burden of managing the growing legal complexity of OSHA and ANSI requirements from simple turnkey solutions, to more complex customized solutions.
INTRODUCTION

According to OSHA 29 CFR 1910.217, “The employer shall provide and enforce the use of safety blocks for use whenever dies are being adjusted or repaired in the press.” They are not required during die setting unless die blocks are included in your die setting procedure. They also satisfy the lockout/tagout requirements for isolating mechanical energy.

Die safety blocks are placed between the die punch and holder with the machine stroke up. They are rated to support a static load. The static load represents the combined weight of the press ram, ram components (ram-adjust assembly and connection rod[s] or pitman arm[s]), and the upper die.

In some applications, as many as four safety blocks may be required. This is determined by the size of the press bed and the weight the blocks must support. On larger presses, the total slide weight must then be distributed among the quantity of safety blocks required.

The ram is usually adjustable; therefore, wedges or the adjustable screw device is offered to provide a proper fit. If the die takes up most of the space on the die set, it may be difficult to find a place to insert the block. To avoid accidentally stroking the press or leaving the safety block in the die after use, an electrical power cut-off interlock system should be used.

Note: Electrical interlocking of die safety blocks to the machine’s motor and control circuits is required by ANSI B11.19.

ALUMINUM DIE SAFETY BLOCK SYSTEM

This high-strength die safety block is lightweight and comes in several sizes. The unique shape and mechanical properties of the 6063-T5 material have been calculated according to stringent structural aluminum design analysis standards to provide high strength.

To determine the number of die safety blocks required, the static load each die safety block will support, and the length of each block, please follow the instructions below and on the next page.

1. Determining the static load the die safety block(s) will support:

   The actual static load that the die safety block(s) will support is determined by adding the actual weights of the press slide and slide components (ram-adjustment assembly, connection rod[s] or pitman arm[s], and the upper die).

   If this weight cannot be determined, an approximate static load can be calculated using the information and formulas on the next page.
2. Determining the Die Safety Block Length

With the machine at the top of its stroke; stroke up — adjustment up (S.U.A.U. – see previous page), measure the space between the upper and lower die set plates (not the distance between the bolster and slide). This gives the maximum safety block length. To determine the stroke up — adjustment down (S.U.A.D. – see previous page) measurement, subtract the ram adjustment from the S.U.A.U. figure. This provides the minimum length of the die safety block.

Total Length of Die Safety Block Required ___________

EXCEPTIONS

A. If wedges will be used, subtract 1½” maximum. This is an allowance for variation in the stopping point of the crankshaft or adjustment of the ram.

Total Length of Die Safety Block Required __________

B. When an adjustable screw is added to an octagonal safety block, the minimum length of the aluminum portion of the safety block is as follows:

- For small and medium safety blocks
  2½” plus the size of the adjustable screw device

- For large safety blocks
  3” plus the size of the adjustable screw device

When an adjustable screw device is added to an octagonal safety block and the screw is all the way inside of the safety block, it will add 2” to the overall length of small and medium safety blocks and 21/2” to the overall length of large safety blocks. Therefore, subtract 2” for small or medium blocks and 2½” for large blocks to determine the length of the aluminum portion of the die block.

Example: If the minimum overall length of the small or medium safety block required is 10½” with any size adjustable screw device, the aluminum portion of the safety block would be 8½” (10½” - 2” = 8½”).

Example: If the minimum overall length of the large safety block required is 16” with any size adjustable screw device, the aluminum portion of the safety block would be 13½” (16” - 2½” = 13½”).

Total Length of the Aluminum Portion of the Die Safety Block __________

3. Determining the Size of the Die Safety Block

The size of the die safety block (small, medium, large) is determined by one or both of the following factors:

A. The size of the block itself and the area available in the die. (See static load charts.)

B. The static load capacity of the block (small, medium, large) versus the total static load being supported. (See static load charts.)
X-SHAPED SAFETY BLOCKS

<table>
<thead>
<tr>
<th>SMALL</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 4&quot;</td>
<td>5¼&quot;</td>
</tr>
<tr>
<td>B 1&quot;</td>
<td>1¼&quot;</td>
</tr>
</tbody>
</table>

WEIGHT OF BLOCKS

<table>
<thead>
<tr>
<th>SMALL</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.681 lb/in</td>
<td>1.250 lb/in</td>
</tr>
</tbody>
</table>

To determine the number of safety blocks required, the static load each safety block will support, and the length of each block, please refer to pages 2-3.

The X-shaped safety blocks can be furnished four different ways:

A) Cut to length with a hole and pin for an interlock chain or wedges
B) Cut to length only
C) In a nine-foot length
D) Cut to length with a hole and pin for an interlock chain or wedges and a base plate installed (order base plate separately; see page 6)

MAXIMUM APPROXIMATE STATIC LOAD

<table>
<thead>
<tr>
<th>BLOCK LENGTH</th>
<th>SMALL</th>
<th>MEDIUM</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;-24&quot;</td>
<td>97,000 (48)</td>
<td>203,000 (101)</td>
<td></td>
</tr>
<tr>
<td>24½&quot;-30&quot;</td>
<td>90,000 (45)</td>
<td>189,000 (94)</td>
<td></td>
</tr>
<tr>
<td>30½&quot;-36&quot;</td>
<td>86,000 (43)</td>
<td>171,000 (85)</td>
<td></td>
</tr>
<tr>
<td>36½&quot;-42&quot;</td>
<td>84,000 (42)</td>
<td>169,000 (84)</td>
<td></td>
</tr>
<tr>
<td>42½&quot;-48&quot;</td>
<td>73,000 (36)</td>
<td>165,000 (82)</td>
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</tr>
<tr>
<td>48½&quot;-54&quot;</td>
<td>71,000 (35)</td>
<td>146,000 (73)</td>
<td></td>
</tr>
<tr>
<td>54½&quot;-60&quot;</td>
<td>69,000 (34)</td>
<td>144,000 (72)</td>
<td></td>
</tr>
</tbody>
</table>

*The approximate static loads shown in this chart have a built-in safety factor of two.

† Powder coating available on request—please consult the factory.

U-SHAPED SAFETY BLOCKS

<table>
<thead>
<tr>
<th>SMALL</th>
<th>MEDIUM</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 4½&quot;</td>
<td>5½&quot;</td>
<td>6½&quot;</td>
</tr>
<tr>
<td>B 4&quot;</td>
<td>4½&quot;</td>
<td>5½&quot;</td>
</tr>
<tr>
<td>C 2½&quot;</td>
<td>3½&quot;</td>
<td>4½&quot;</td>
</tr>
</tbody>
</table>

WEIGHT OF BLOCKS

<table>
<thead>
<tr>
<th>SMALL</th>
<th>MEDIUM</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.638 lb/in</td>
<td>0.879 lb/in</td>
<td>1.17 lb/in</td>
</tr>
</tbody>
</table>

To determine the number of safety blocks required, the static load each safety block will support, and the length of each block, please refer to pages 2-3.

The U-shaped safety blocks can be furnished three different ways:

A) Cut to length with a hole and pin for an interlock chain or wedges
B) Cut to length only
C) In a nine-foot length

MAXIMUM APPROXIMATE STATIC LOAD

<table>
<thead>
<tr>
<th>BLOCK LENGTH</th>
<th>SMALL</th>
<th>MEDIUM</th>
<th>LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;-24&quot;</td>
<td>88,500 (44)</td>
<td>126,000 (63)</td>
<td>169,500 (84)</td>
</tr>
<tr>
<td>24½&quot;-30&quot;</td>
<td>87,000 (43)</td>
<td>123,000 (61)</td>
<td>166,000 (83)</td>
</tr>
<tr>
<td>30½&quot;-36&quot;</td>
<td>84,000 (42)</td>
<td>120,500 (60)</td>
<td>162,000 (81)</td>
</tr>
<tr>
<td>36½&quot;-42&quot;</td>
<td>81,500 (40)</td>
<td>117,500 (58)</td>
<td>159,000 (79)</td>
</tr>
<tr>
<td>42½&quot;-48&quot;</td>
<td>79,000 (39)</td>
<td>114,000 (57)</td>
<td>156,000 (78)</td>
</tr>
<tr>
<td>48½&quot;-54&quot;</td>
<td>76,500 (38)</td>
<td>112,000 (56)</td>
<td>152,000 (76)</td>
</tr>
<tr>
<td>54½&quot;-60&quot;</td>
<td>74,000 (37)</td>
<td>108,500 (54)</td>
<td>148,000 (74)</td>
</tr>
</tbody>
</table>

*The approximate static loads shown in this chart have a built-in safety factor of two.

† Powder coating available on request—please consult the factory.
To determine the number of safety blocks required, the static load each safety block will support, and the length of each block, please refer to pages 2-3.

The octagonal safety blocks can be furnished four different ways:

A) Cut to length with a hole and pin for an interlock chain and with an adjustable screw device and/or base plate installed (order adjustable screw device and/or base plate separately; see below and page 6)

B) Cut to length with a hole and pin for an interlock chain or wedges

C) Cut to length only

D) In a nine-foot length

To the approximate static loads shown in this chart have a built-in safety factor of two.

**ADJUSTABLE SCREW DEVICE—FOR USE WITH OCTAGONAL SAFETY BLOCKS ONLY**

This heavy-duty steel screw device is added to the octagonal shaped safety blocks. These screws are needed to prevent any space between the block and die when various dies are used or when the slide is adjusted.

*The approximate static loads shown in this chart have a built-in safety factor of two.*

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**ADJUSTABLE SCREW DEVICE**

<table>
<thead>
<tr>
<th>OCTAGONAL SAFETY BLOCK SIZE</th>
<th>INCHES OF ADJUSTMENT</th>
<th>PART NO.</th>
<th>MAXIMUM APPROXIMATE STATIC LOAD PER ADJUSTABLE SCREW DEVICE IN POUNDS (TONS)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL</td>
<td>2&quot;</td>
<td>KTS-574</td>
<td>106,000 (53)</td>
</tr>
<tr>
<td></td>
<td>4&quot;</td>
<td>KTS-584</td>
<td>102,500 (51)</td>
</tr>
<tr>
<td></td>
<td>6&quot;</td>
<td>KTS-625</td>
<td>98,500 (49)</td>
</tr>
<tr>
<td></td>
<td>8&quot;</td>
<td>KTS-626</td>
<td>94,500 (47)</td>
</tr>
<tr>
<td></td>
<td>10&quot;</td>
<td>KTS-627</td>
<td>91,000 (45)</td>
</tr>
<tr>
<td></td>
<td>12&quot;</td>
<td>KTS-622</td>
<td>87,500 (43)</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>2&quot;</td>
<td>KTS-575</td>
<td>73,000 (36)</td>
</tr>
<tr>
<td></td>
<td>4&quot;</td>
<td>KTS-585</td>
<td>70,000 (35)</td>
</tr>
<tr>
<td></td>
<td>6&quot;</td>
<td>KTS-626</td>
<td>67,000 (33)</td>
</tr>
<tr>
<td></td>
<td>8&quot;</td>
<td>KTS-629</td>
<td>64,000 (33)</td>
</tr>
<tr>
<td></td>
<td>10&quot;</td>
<td>KTS-630</td>
<td>61,000 (30)</td>
</tr>
<tr>
<td></td>
<td>12&quot;</td>
<td>KTS-633</td>
<td>58,000 (29)</td>
</tr>
<tr>
<td>LARGE</td>
<td>6&quot;</td>
<td>KTS-596</td>
<td>189,000 (94)</td>
</tr>
<tr>
<td></td>
<td>8&quot;</td>
<td>KTS-631</td>
<td>181,000 (90)</td>
</tr>
<tr>
<td></td>
<td>10&quot;</td>
<td>KTS-632</td>
<td>174,000 (87)</td>
</tr>
<tr>
<td></td>
<td>12&quot;</td>
<td>KTS-634</td>
<td>167,000 (83)</td>
</tr>
</tbody>
</table>

*The approximate static loads shown in this chart have a built-in safety factor of two.*

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**ADJUSTABLE SCREW DEVICE—FOR USE WITH OCTAGONAL SAFETY BLOCKS ONLY**

This heavy-duty steel screw device is added to the octagonal safety blocks. These screws are needed to prevent any space between the block and die when various dies are used or when the slide is adjusted.

*The approximate static loads shown in this chart have a built-in safety factor of two.*
SAFETY BLOCK BASE

This safety block base can be added to U-shaped, octagonal-shaped, and X-shaped safety blocks. The base adds stability to help prevent the die block from tipping over. Available in 1/2” thick steel or aluminum.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STL-053</td>
<td>MINI BASE</td>
<td>6” X 6”</td>
</tr>
<tr>
<td>STL-049</td>
<td>SMALL BASE</td>
<td>8½” X 8½”</td>
</tr>
<tr>
<td>STL-050</td>
<td>MEDIUM BASE</td>
<td>9½” X 9½”</td>
</tr>
<tr>
<td>STL-051</td>
<td>LARGE BASE</td>
<td>10¾” X 10¾”</td>
</tr>
</tbody>
</table>

SAFETY WEDGES

These wedges prevent hazardous movement of the press slide if a space is created between the block and die when various dies are used or when the slide is adjusted. All cut-to-length wedges are furnished with a 24” chain. Available in aluminum or hardwood.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTS-571</td>
<td>6” ALUMINUM WEDGE</td>
<td>6”</td>
</tr>
<tr>
<td>KTS-572</td>
<td>7” ALUMINUM WEDGE</td>
<td>7”</td>
</tr>
<tr>
<td>KTS-573</td>
<td>8” ALUMINUM WEDGE</td>
<td>8”</td>
</tr>
<tr>
<td>KTS-570</td>
<td>ALUMINUM WEDGE MATERIAL</td>
<td>9’ LENGTH</td>
</tr>
<tr>
<td>KTS-642</td>
<td>HARDWOOD WEDGE</td>
<td></td>
</tr>
</tbody>
</table>

HOLDERS

These holders are designed to accept U-shaped, octagonal, X-shaped, and adjustable safety blocks. They are constructed of heavy-gauge steel and painted safety orange. The holders attach easily to the machine with two 1/4” fasteners. A strap is furnished with each holder to keep the block in place. Safety wedges can also be stored in the holders.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTS-003</td>
<td>8” X 8” X 14”</td>
<td></td>
</tr>
<tr>
<td>KTS-005</td>
<td>10½” X 10½” X 14”</td>
<td></td>
</tr>
<tr>
<td>KTS-019</td>
<td>10½” X 10½” X 24”</td>
<td></td>
</tr>
<tr>
<td>KTS-020</td>
<td>12” X 12” X 30”</td>
<td></td>
</tr>
</tbody>
</table>

LIFTING HANDLE

PART NO. KTS-633

The aluminum lifting handle is a convenient option for all safety blocks that are used frequently.

ELECTRICAL INTERLOCK SYSTEMS

According to ANSI B11.19, safety blocks “shall be interlocked with the machine to prevent actuation of hazardous motion of the machine.” The following interlock systems will satisfy this requirement. The interlock must be interfaced into the control system so that when the plug is pulled, the power to the main drive motor and control is disconnected. If the machine has a mechanical energy source, such as a flywheel, it must come to rest before the die block can be inserted. The interlock system is available in a yellow plug with one contact or an orange plug with two contacts. The interlock system includes the plug, a 24” long chain, a receptacle, and an electrical mounting box.

Part No. KTS-518

One-contact interlock system with 24” chain

Part No. KTS-533

Two-contact interlock system with 24” chain
ADJUSTABLE DIE SAFETY BLOCKS

These adjustable safety blocks feature a tough malleable-iron bell-bottom base, a convenient handle for lifting, and precision-cut acme threads for easy adjustment and extra rigidity. The adjusting screw can be easily adjusted up or down by hand. Turning holes are also provided in the screw neck to facilitate the use of a turning bar, if required.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>CAPACITY IN TONS</th>
<th>LENGTH CLOSED</th>
<th>+ SCREW ADJUSTMENT</th>
<th>LENGTH SCREW ADJUSTMENT UP</th>
<th>BASE DIAMETER</th>
<th>WEIGHT IN POUNDS</th>
<th>SAFETY BLOCK HOLDER PAR NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTS-520*</td>
<td>10</td>
<td>6⅞”</td>
<td>1⅜”</td>
<td>8”</td>
<td>4¼”</td>
<td>8</td>
<td>KTS-003</td>
</tr>
<tr>
<td>KTS-521</td>
<td>10</td>
<td>8¼”</td>
<td>3½”</td>
<td>12¼”</td>
<td>5¼”</td>
<td>10</td>
<td>KTS-003</td>
</tr>
<tr>
<td>KTS-522</td>
<td>10</td>
<td>12¼”</td>
<td>7¼”</td>
<td>20”</td>
<td>6¼”</td>
<td>13</td>
<td>KTS-003</td>
</tr>
<tr>
<td>KTS-523</td>
<td>20</td>
<td>9½”</td>
<td>2³/₄”</td>
<td>12¼”</td>
<td>6¾”</td>
<td>18</td>
<td>KTS-003</td>
</tr>
<tr>
<td>KTS-524</td>
<td>20</td>
<td>11½”</td>
<td>4½”</td>
<td>16”</td>
<td>6½”</td>
<td>22</td>
<td>KTS-003</td>
</tr>
<tr>
<td>KTS-525</td>
<td>20</td>
<td>17½”</td>
<td>9½”</td>
<td>27”</td>
<td>7¾”</td>
<td>35</td>
<td>KTS-005</td>
</tr>
<tr>
<td>KTS-526</td>
<td>24</td>
<td>11¾”</td>
<td>3¼”</td>
<td>15”</td>
<td>7¾”</td>
<td>31</td>
<td>KTS-005</td>
</tr>
<tr>
<td>KTS-527</td>
<td>24</td>
<td>15¼”</td>
<td>6½”</td>
<td>22¼”</td>
<td>7¾”</td>
<td>40</td>
<td>KTS-005</td>
</tr>
<tr>
<td>KTS-528</td>
<td>24</td>
<td>21¼”</td>
<td>12”</td>
<td>33¼”</td>
<td>9¼”</td>
<td>56</td>
<td>KTS-005</td>
</tr>
</tbody>
</table>

*Does not have a handle.
ROCKFORD SYSTEMS’ QUALIFICATIONS
For many years Rockford Systems has been educating corporations throughout the world on machine safeguarding. Every year, hundreds of people attend these seminars. Participants come from a variety of areas including manufacturing, distribution, aerospace, insurance, government, and consulting. They include safety directors, plant managers, maintenance and engineering personnel, setup people, safety specialists, loss-control engineers, and safety consultants. Seminar instructors are very knowledgeable and have many years of experience in the machine tool industry.

MACHINE SAFEGUARDING SEMINAR OVERVIEW
According to safety standards, when a machine creates a hazard to operators and other employees in the machine area, it must be safeguarded. Rockford Systems offers a machine safeguarding seminar to teach people in positions of responsibility how to safeguard the point of operation and other machine hazards to meet these safety standards.

This 2½-day seminar explains how to interpret the performance language of both OSHA (Occupational Safety and Health Administration) and ANSI (American National Standards Institute) standards. Specific machine safeguarding situations are also discussed. Another section of the machine safeguarding seminar provides basic safeguarding guidelines for other metalworking machines using the ANSI B11-series safety standards.

Seminars combine classroom discussion with demonstrations of machines under power. Hands-on experience with these machines and visual aids, including slides and videos, are also used. These teaching methods enable the participants to interpret the OSHA and ANSI standards as they relate to their specific machine applications and production requirements.

DAY-TO-DAY OUTLINE OF SAFEGUARDING SEMINAR

Day 1 8:00 a.m. to 5:00 p.m.
- Welcome, Introduction, and Objectives of Seminar
- Brief History of ANSI, OSHA, and NFPA-79
- Risk Reduction
- OSHA 29 CFR 1910.211, Definitions
- OSHA 29 CFR 1910.212, General Requirements for All Machines and Auxiliary Equipment
- ANSI B11.1-2009 Mechanical Power Presses
- Full-Revolution-Clutch Identification and Control Requirements
- Part-Revolution-Clutch Identification and Control Requirements
- Control Reliability and Brake Monitoring
- Electrical Component Requirements (NFPA-79)
- Hand-Feeding Tools
- Point-Of-Operation Safeguarding—Guards, Devices, Methods
- Design, Construction, Setting, and Feeding of Dies
- Inspection and Maintenance Records
- Instruction to Operators
- Reports of Injuries
- Mechanical Power-Transmission Apparatus (OSHA 1910.219)

Day 2 8:00 a.m. to 5:00 p.m.
- ANSI B11.2 Hydraulic Power Presses
- ANSI B11.3 Power Press Brakes
- ANSI B11.4 Shears
- ANSI B11.5 Iron Workers
- ANSI B11.6 Lathes (Manually Operated)
- ANSI B11.7 Cold Header and Cold Formers
- ANSI B11.8 Drilling, Milling, and Boring Machines
- ANSI B11.9 Grinding Machines
- ANSI B11.10 Metal Sawing Machines
- ANSI B11.11 Gear Cutting Machines
- ANSI B11.12 Roll Forming and Roll Bending Machines
- ANSI B11.13 Automatic Screw/Bar and Chucking Machines
- ANSI B11.14 Coil Slitting Machines/Systems Withdrawn—See ANSI B11.18
- ANSI B11.15 Pipe, Tube, and Shape Bending Machines
- ANSI B11.16 Metal Powder Compacting Presses
- ANSI B11.17 Horizontal Hydraulic Extrusion Presses
- ANSI B11.18 Coil Processing Systems
- ANSI B11.19 Safeguarding Methods (Criteria)
- ANSI B11.20 Integrated Manufacturing (Cells)
- ANSI B11.21 Machine Tools Using Laser Processing (Cutting)
- ANSI B11.22 CNC Turning Centers and Lathes
- ANSI B11.23 Machining Centers—CNC Mills, Drills, Boring
- ANSI B11.24 Transfer Machines
- ANSI/SPI B151.1 Horizontal (Plastic Injection Molding Machines)

Day 2 (Continued)
- BS ISO 14137 and JIS B6360 Electrical Discharge (EDM) Machines
- ANSI B152.1 Hydraulic Die Casting Presses
- ANSI/RIA R15.06–1999 & 2012 Robots and Large Work Envelopes
- OSHA 1910.147 Control of Hazardous Energy Lockout/Tagout

Day 3 8:00 a.m. to 10:00 a.m.
- Machine Demonstrations

SEMINAR MATERIALS
Each person attending this seminar receives a variety of information regarding machine safeguarding which includes reprints of the following:
- Charts and graphs for future reference
- Safeguarding product catalogs
- U.S. Department of Labor memorandums
- Mechanical Power Press Safety Information Card
- Safety Distance Guide Slide Chart
- Folding, Acrylic Copolymer OSHA and ANSI Guard-Opening Scales
- Laminated function-testing checklists for safeguards

Quotes from Past Participants
- The seminar has a lot of information on the safety of presses. Anyone with a press operation needs to attend
- It was what I expected—very informative
- Instructors are very knowledgeable
- I thoroughly enjoyed the seminar and picked up a lot of very valuable information
- Excellent presentation
- Best training I’ve had in years
- The hands-on experience was great
- This seminar is, perhaps, the most comprehensive coverage that I have heard on this subject. The course is a “must” for anyone involved in machinery guarding or operational set-up
SEMINAR REGISTRATION FORM

☐ 2½-Day “Machine Safeguarding” Seminar $995.00/person

Registration for the dates of ____________________________

Company Name ____________________________________________

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City ______________________ State/Province/Region __________ ZIP/Postal Code ____________

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Name ___________________ Title/Position _______________ T-Shirt Size ____________

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Name/Title of person making registration ___________________________ Phone __________________

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☐ Check enclosed payable to Rockford Systems, LLC  Check amount ____________________________

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Enrollments are limited and are taken on a first-come, first-served basis. Maximum class size is 24 people. Please call, mail, e-mail, or fax us to make your reservation.

By Phone:  Call toll-free 1-800-922-7533

By Mail:  Complete and mail the above form to:

Seminar Registrar  Rockford Systems, LLC
5795 Logistics Parkway  Rockford, IL  61109

By E-mail:  Complete and send form at our Web site www.rockfordsystems.com

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B. The prices specified include our regular packaging only. Any special packaging requested by the customer, including special protection for export shipment, will be at the customer’s expense, and the cost of such special packaging shall be in addition to the prices quoted.

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Net in 30 days for equipment and net in 10 days for installation, service, and machine surveys (with approved credit). Machine safeguarding seminar fees are due at the time of service. A 1 1/2% monthly service charge (18% a year) will be added to past-due accounts.

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Customers with established credit may purchase for immediate processing of orders. Customers not previously established with us or suitably rated by D&B must apply for open-account status. Orders received without suitable credit information must be prepaid in full before shipment. MasterCard, Visa, and American Express credit cards are accepted.

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