

**FSG 2011 Die Cutting on Hydraulic Press with Chris Darway**

**STUDENT TOOL LIST**

Saw frame (at least 6" deep to saw 4-5" long blank)  
 1 gross 3/0 saw blades  
 Scribe  
 6" steel ruler  
 Dividers  
 1/16" drill bit  
 Needle file set  
 3-M scrubie  
 240-320 wet/dry paper  
 Rotational bench Pin \*  
 26-18 gauge metals :sterling ,copper, brass ,bronze sheet for punching and forming ,6"X6"  
 Safety goggles  
 4" C-Clamp  
 Bur life

**MATERIALS KIT will include the following:**

| Item                                     | source            | Price          |
|--|-------------------|----------------|
| Rotational Bench Pin*                    | Instructor        | \$60.00        |
| Tool Steel Blanks 3/64"X 3" X18"(Type ?) | Rio               | \$44.95        |
| 3/64"X 3" X18" Oil hardening             | MSC/mscdirect.com | \$41.06        |
| 3/64" X2" X18" Oil hardening             | MSC/mscdirect.com | \$28.85        |
| Acrylic blanks 3"X3"X1/4" each           | Instructor        | \$2.00 a piece |
| Acrylic blanks 3"X3"X1/4" (4)            | Rio               | \$9.95         |

I suggest one steel blank per student. Their choice 2" or 3" wide. This will yield 3-4 blanks  
 I also suggest 4 Acrylic blanks per student.

Approximate class cost

|                               |         |
|-------------------------------|---------|
| Rotational Bench Pin          | \$60.00 |
| 3/64"X 3" X18" Oil hardening  | 41.95   |
| Acrylic blanks 3"X3"X1/4" (4) | 9.95    |
| Blades 1 gross 3/0            | 25.00   |
| Spiral blades 1 dozen         | 5.00    |

\$141.90

