



**PDHonline Course K142 (2 PDH)**

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# **Welding Basics for the Process Engineer**

*Instructor: John C. Huang, Ph.D, PE*

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**PDH Online | PDH Center**

5272 Meadow Estates Drive  
Fairfax, VA 22030-6658  
Phone: 703-988-0088  
[www.PDHonline.com](http://www.PDHonline.com)

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WELDING BASICS FOR THE PROCESS ENGINEER  
FIGURES  
PAGE 1

FIVE BASIC WELDS  
FIGURE 1  
BUTT WELD

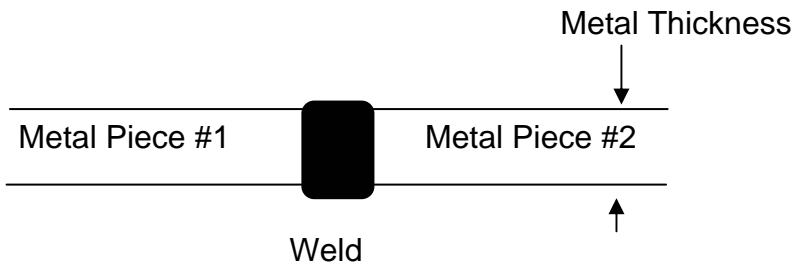


FIGURE 2  
LAP JOINT WELD



FIGURE 3  
"T" WELD

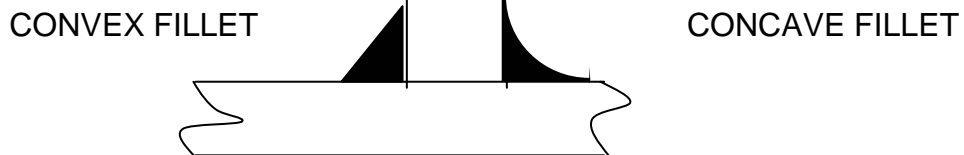


FIGURE 4  
CORNER WELD

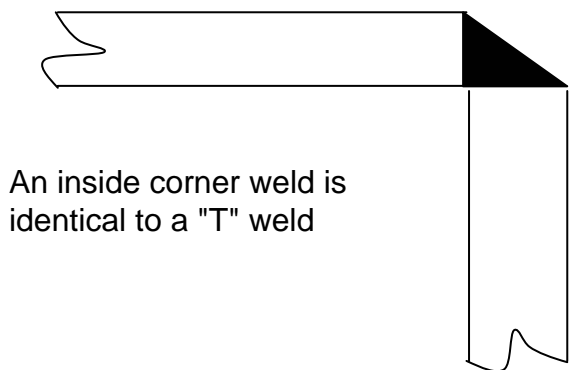
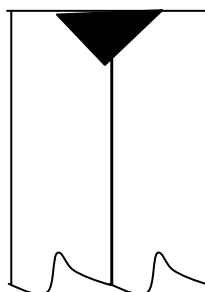


FIGURE 5  
EDGE WELD



PAGE 2  
FIGURE 6  
PLUG WELD

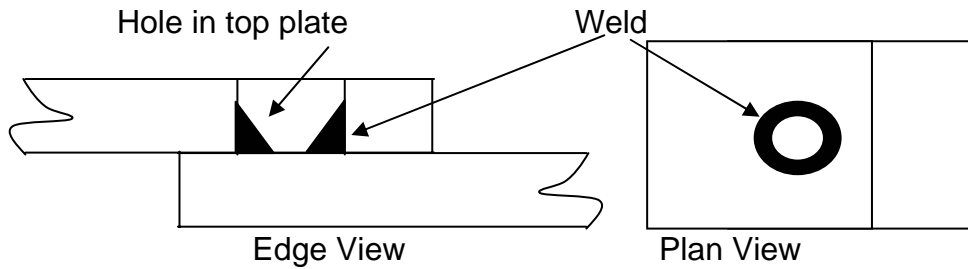


FIGURE 7  
THE FULL PENETRATION WELD

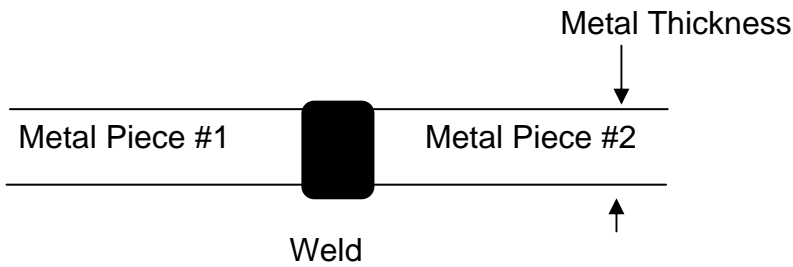


FIGURE 8  
MULTIPLE PASS WELD

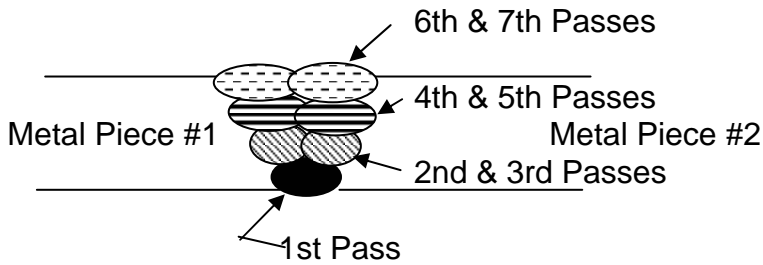
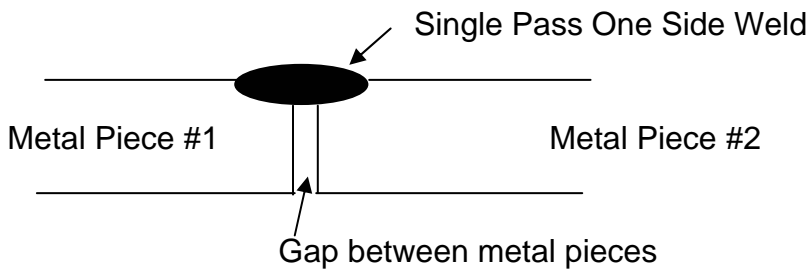


FIGURE 9  
PARTIAL PENETRATION WELDS



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FIGURE 10

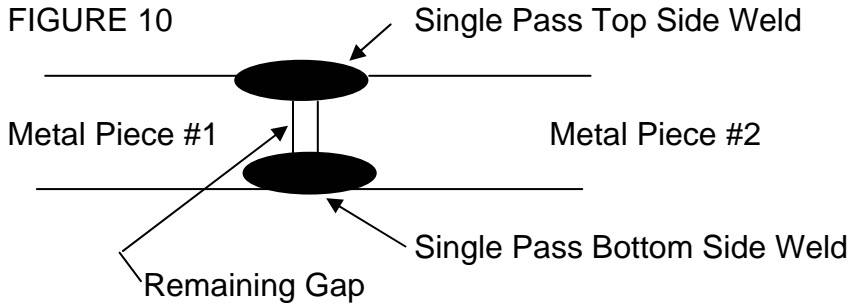


FIGURE 11 THE PIPE WELD  
NO BEVEL WELD

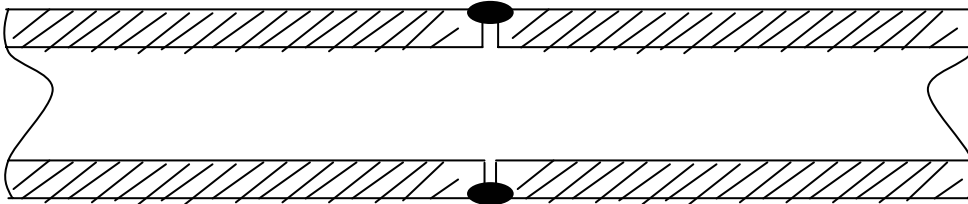
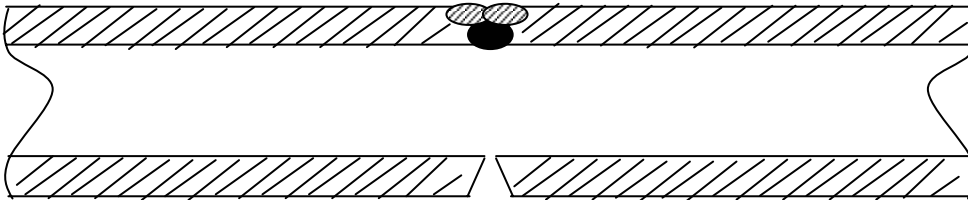


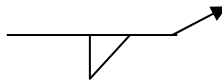
FIGURE 12 BEVELED PIPE WELD  
PIPE BEVELED FOR WELDING



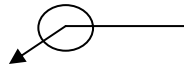
METAL CONFIGURATION SHOWING BEVELS AND ONE SIDE WELDED

FIGURE 13 WELDING SYMBOLS

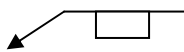
Fillet Weld Arrow Side



Weld All Around



Plug or Slot Weld



V Groove Arrow Side

