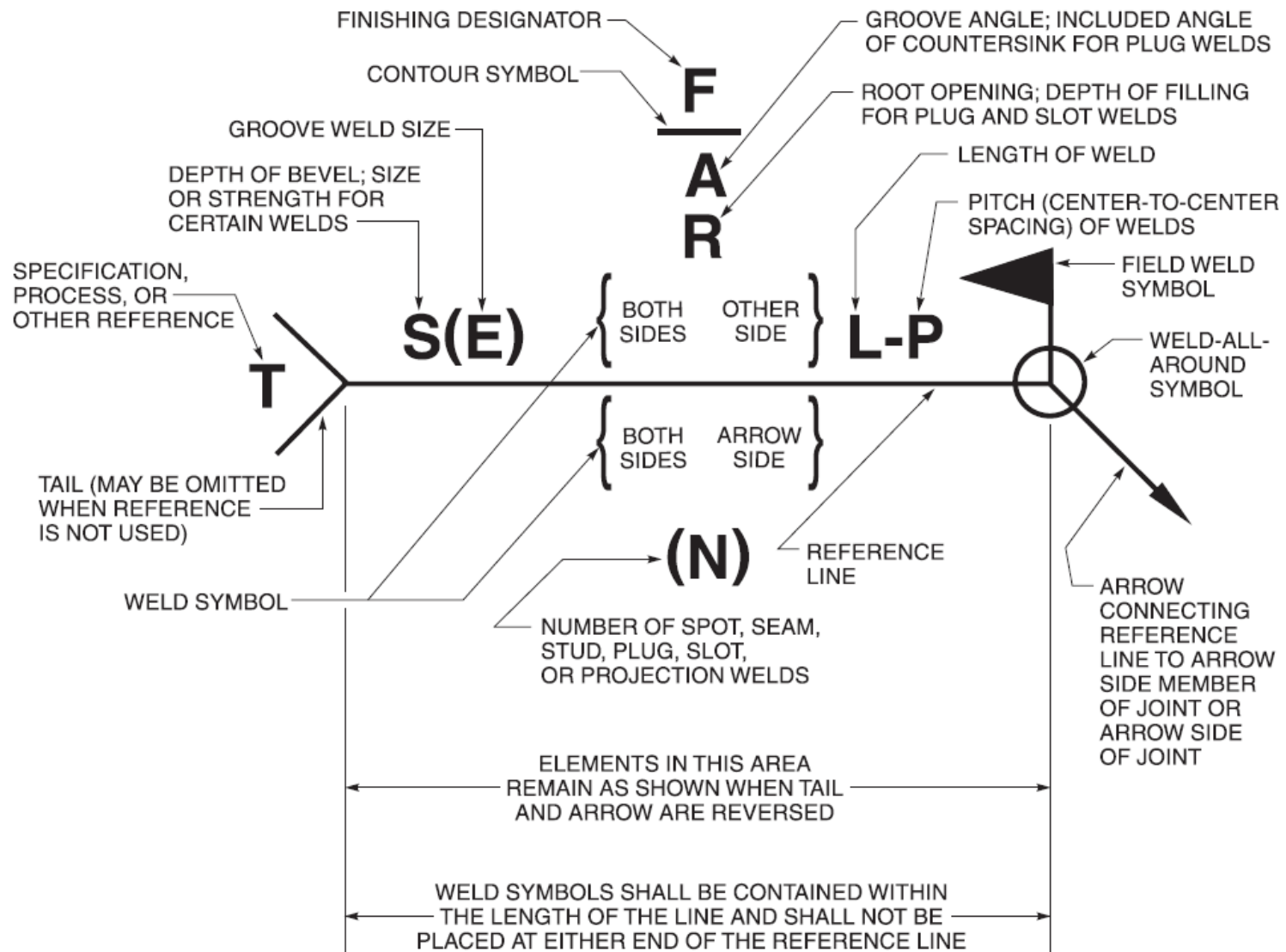



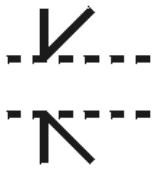
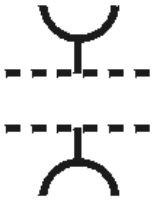


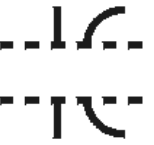

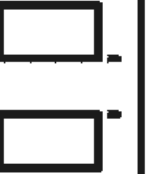









Weld Symbols




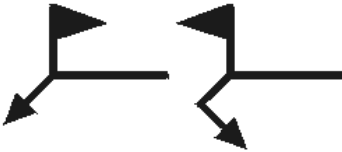

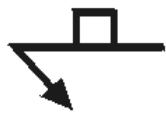
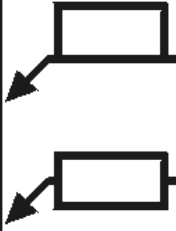



Weld Symbols

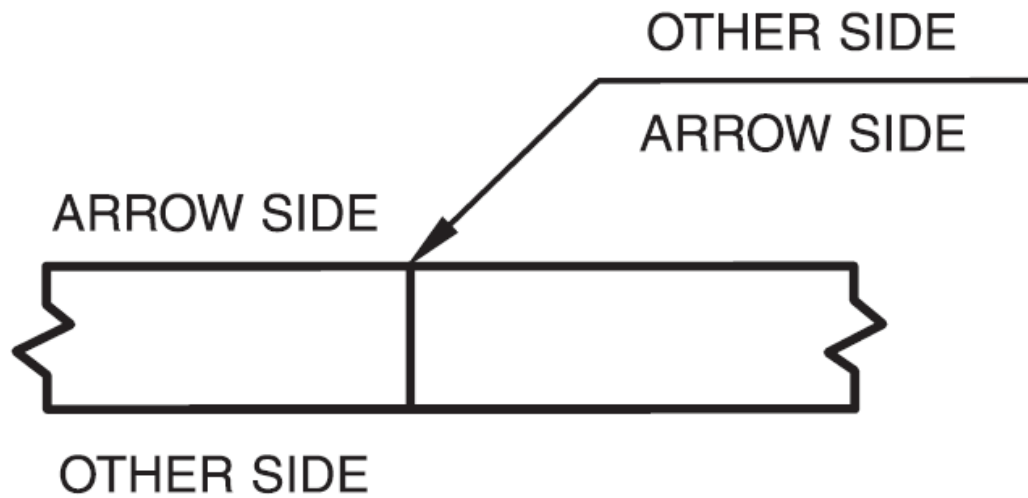
GROOVE WELDS							
Square	Scarf*	V	Bevel	U	J	Flare-V	Flare-Bevel
							

Fillet	Plug or Slot	Stud	Spot or Projection	Seam	Back or Backing	Surfacing	Flange	
							Edge	Corner
								

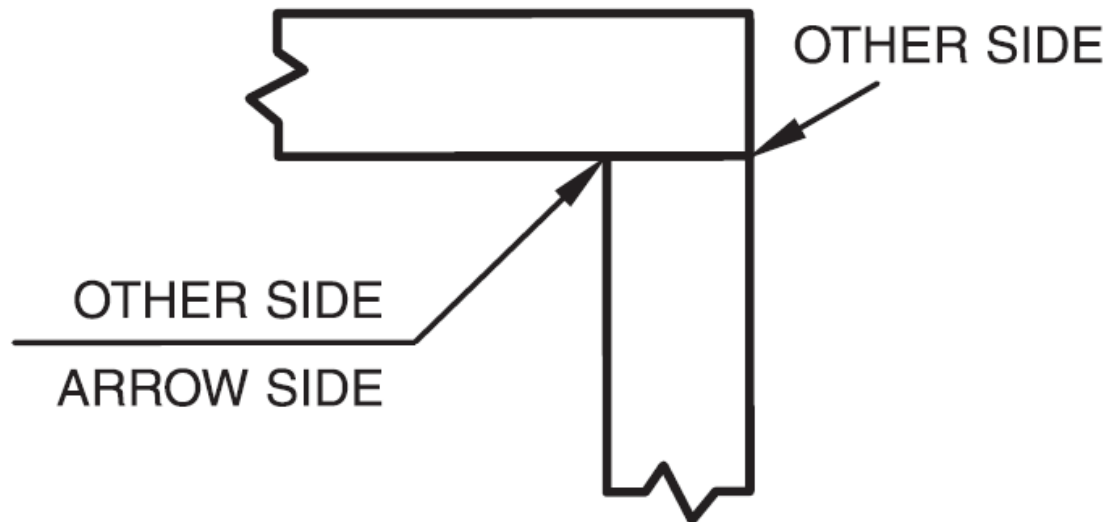
**Used predominantly in brazed joints - see section on Brazing.*

Weld Symbols

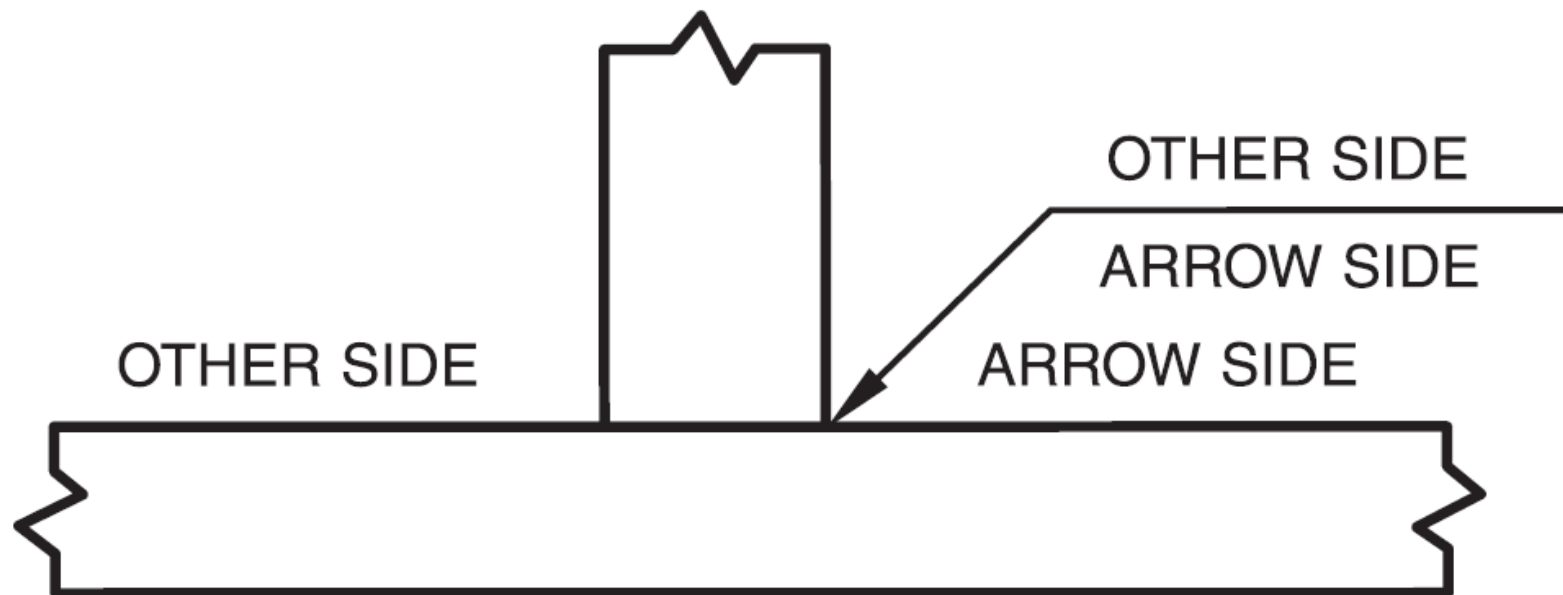
Weld all around	Field Weld	Melt Through	Consumable Insert (Square)	Backing or Spacer (Rectangle)	Contour		
					Flush or Flat	Convex	Concave
							



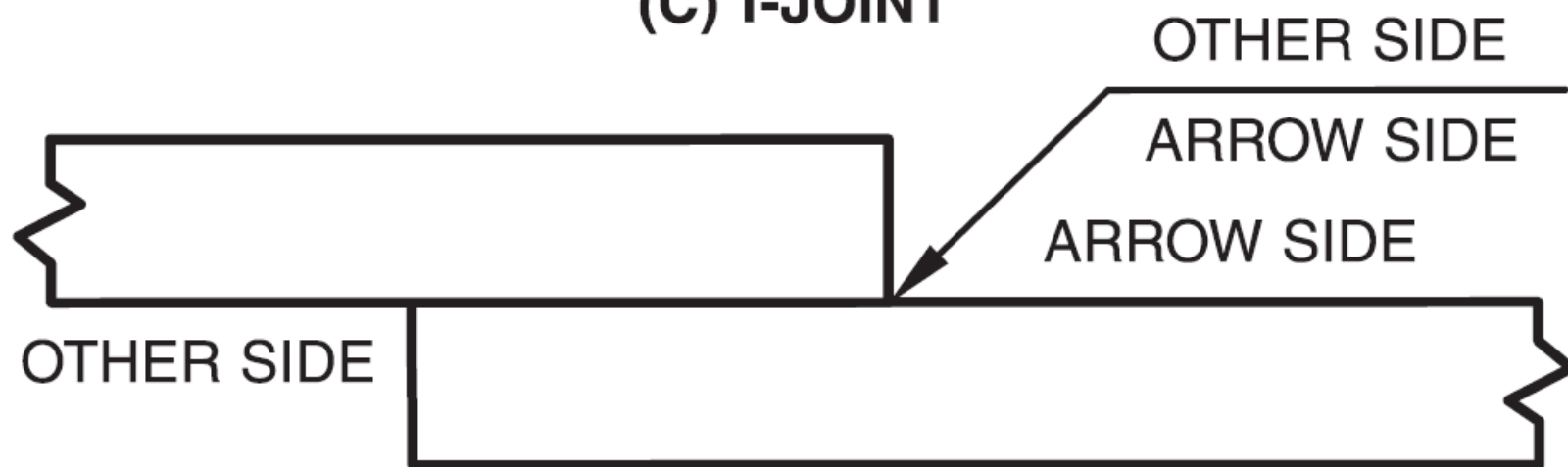
(A) BUTT JOINT



(B) CORNER JOINT

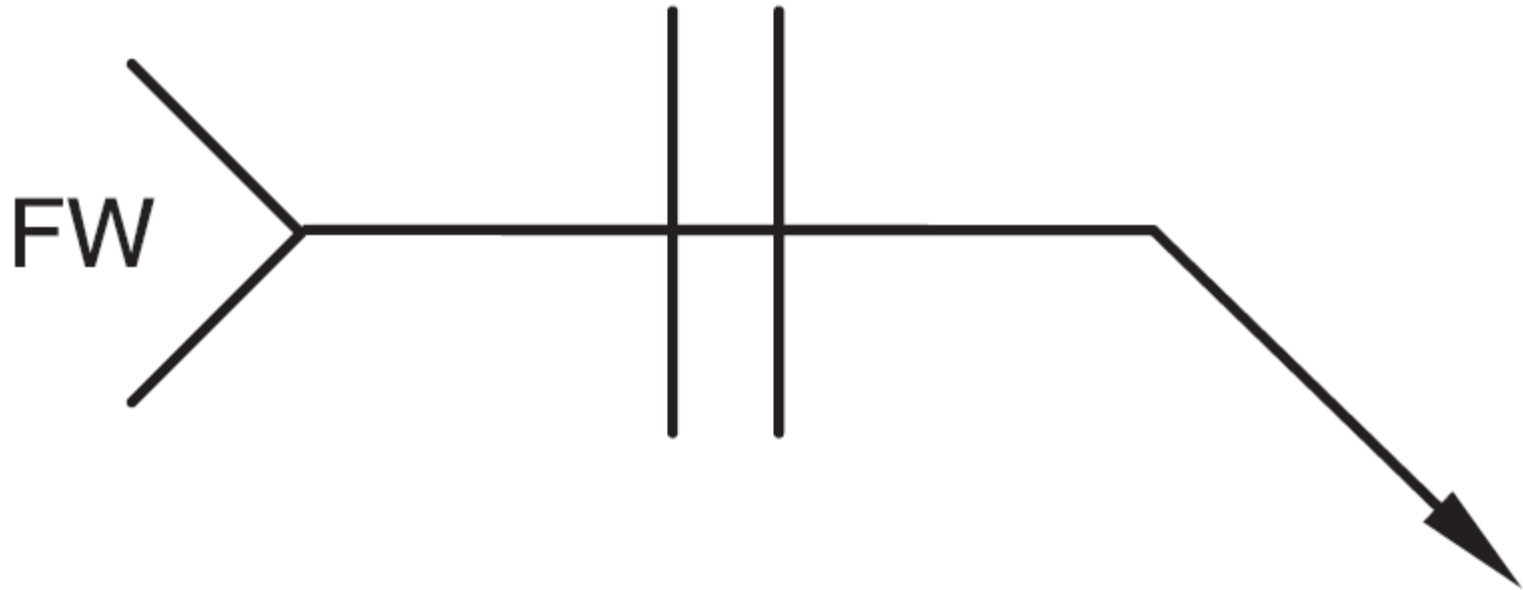


(C) T-JOINT

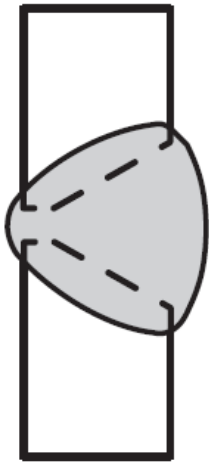


(D) LAP JOINT

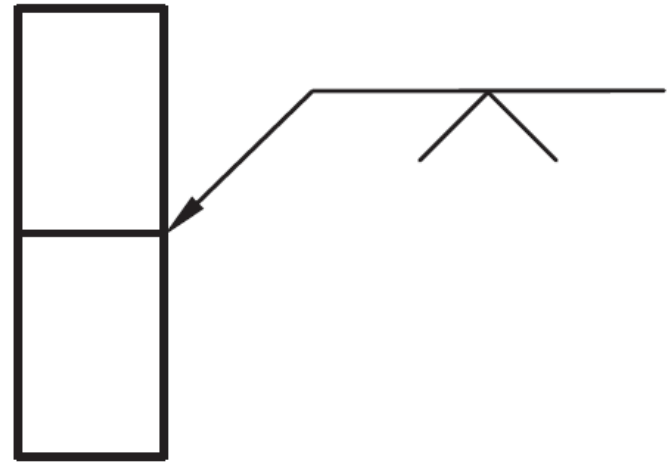
Symbol with no side significance



Symbol with side significance



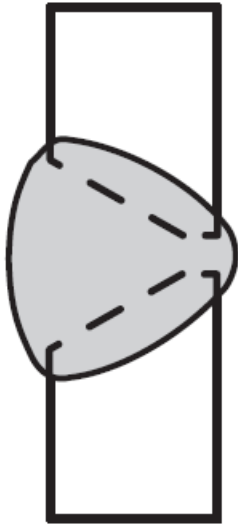
WELD CROSS SECTION



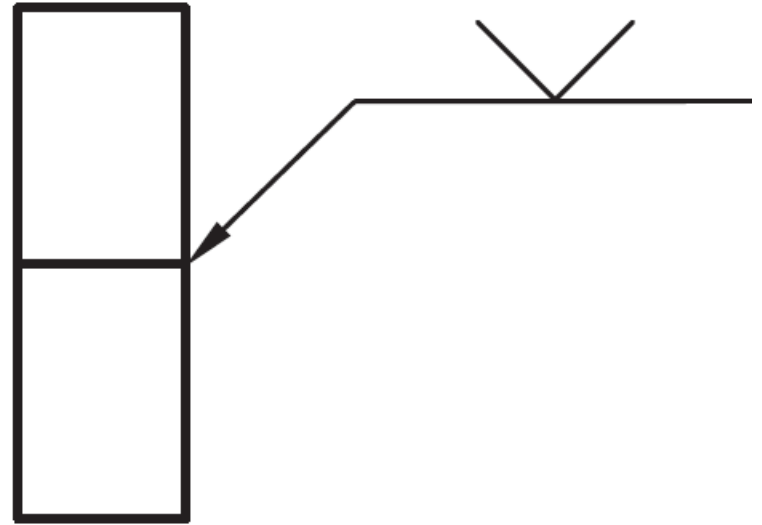
SYMBOL

(A) ARROW-SIDE V-GROOVE WELD SYMBOL

Symbol with side significance



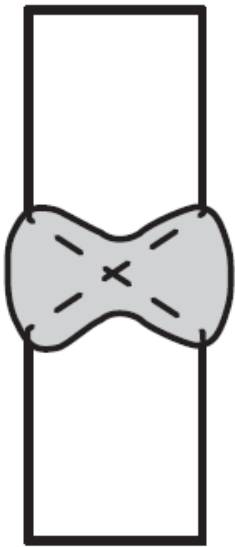
WELD CROSS SECTION



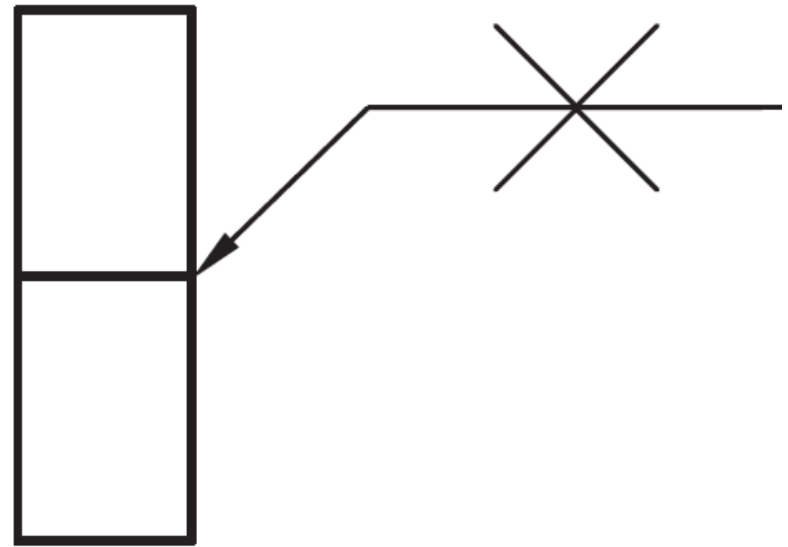
SYMBOL

(B) OTHER-SIDE V-GROOVE WELD SYMBOL

Symbol with side significance

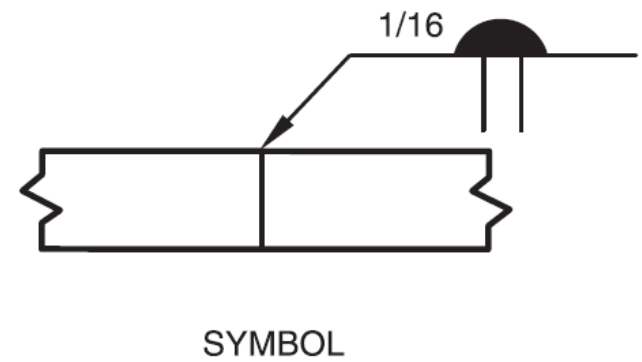
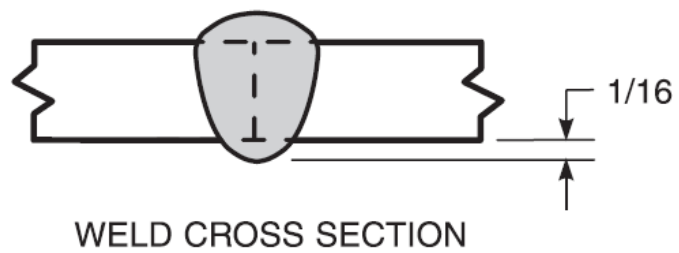


WELD CROSS SECTION

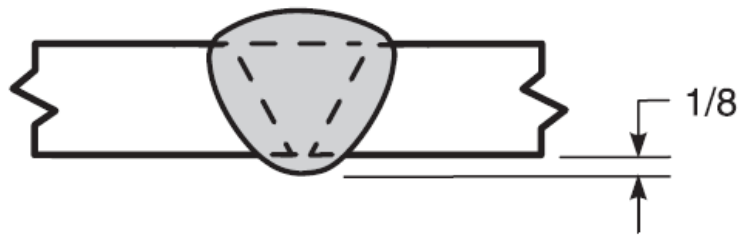


SYMBOL

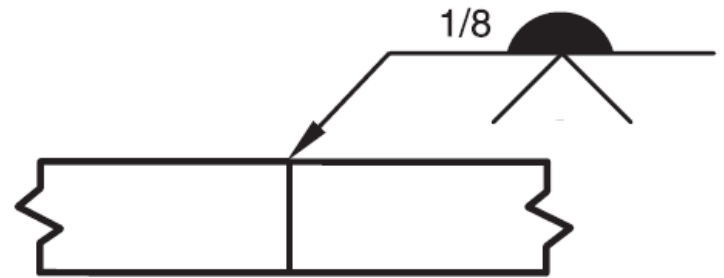
(C) BOTH-SIDES V-GROOVE WELD SYMBOL



(A) SQUARE-GROOVE WELD

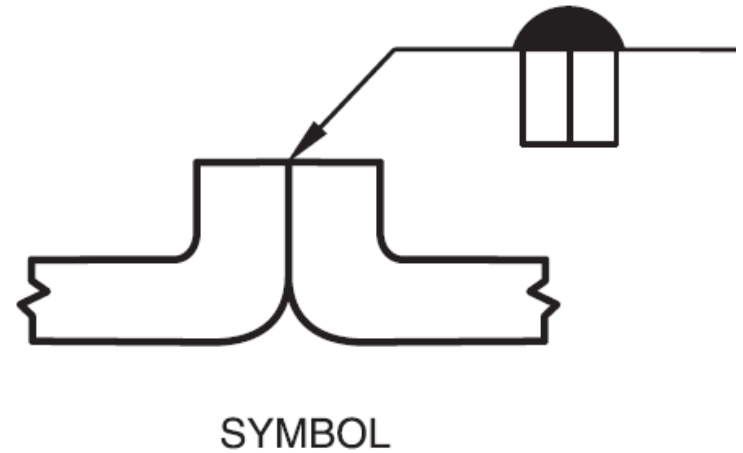
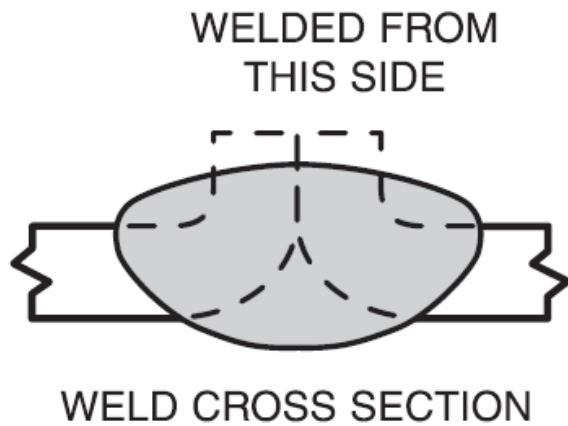


WELD CROSS SECTION






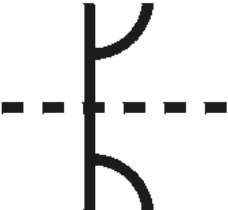

SYMBOL

(C) SINGLE-V-GROOVE WELD



(D) EDGE WELD ON FLANGED BUTT JOINT

Weld Symbols

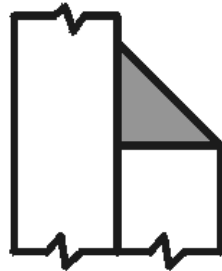
Types of Welds with Accentuated Fusion Faces	Weld Symbols
Square	
Single-V	
GROOVE WELDS	
Single-Bevel	
Double-J	
Double-Flare-Bevel	

Weld Symbols

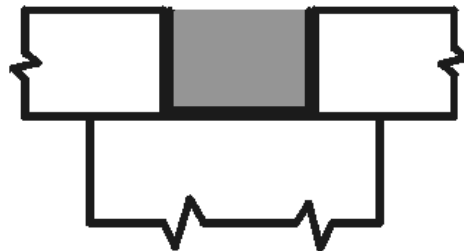
Types of Welds with Accentuated Fusion Faces

Weld Symbols

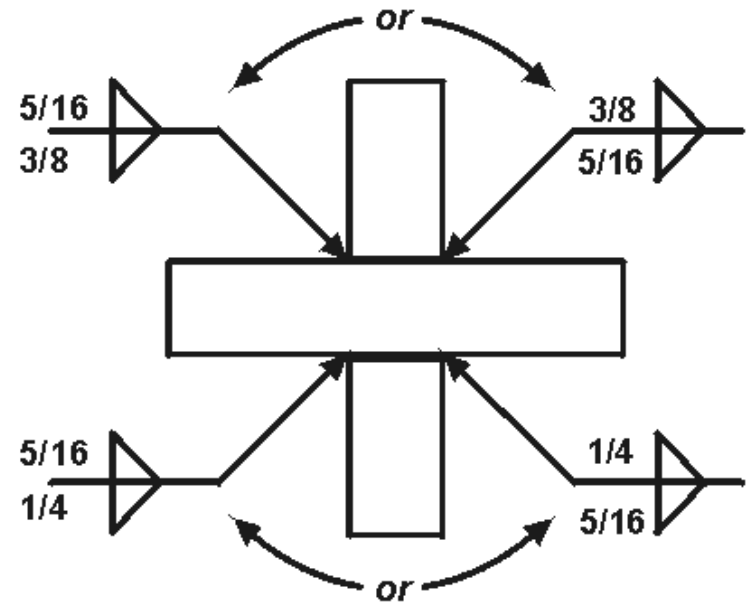
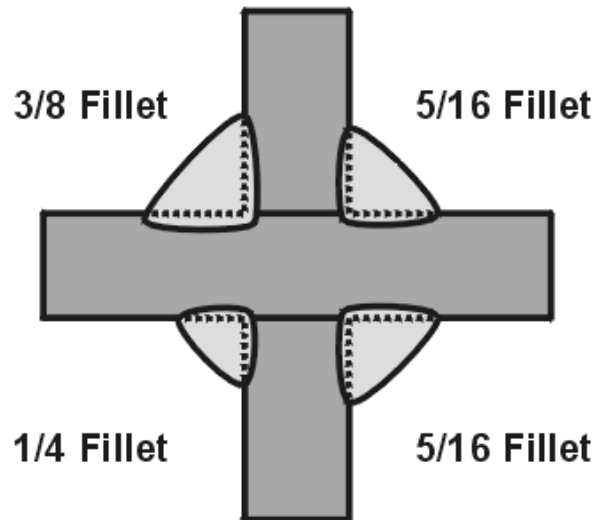
FILLET
WELDS



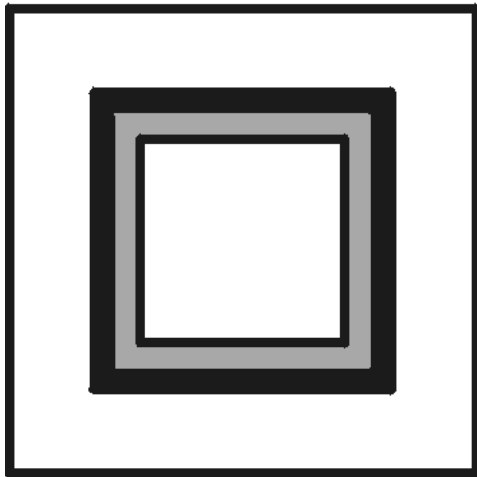
PLUG
WELDS



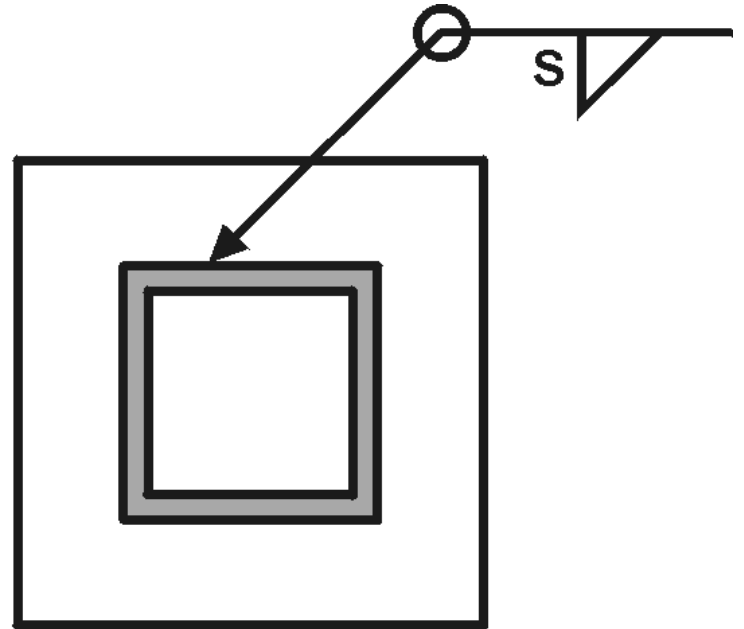
Weld symbols



Weld symbols



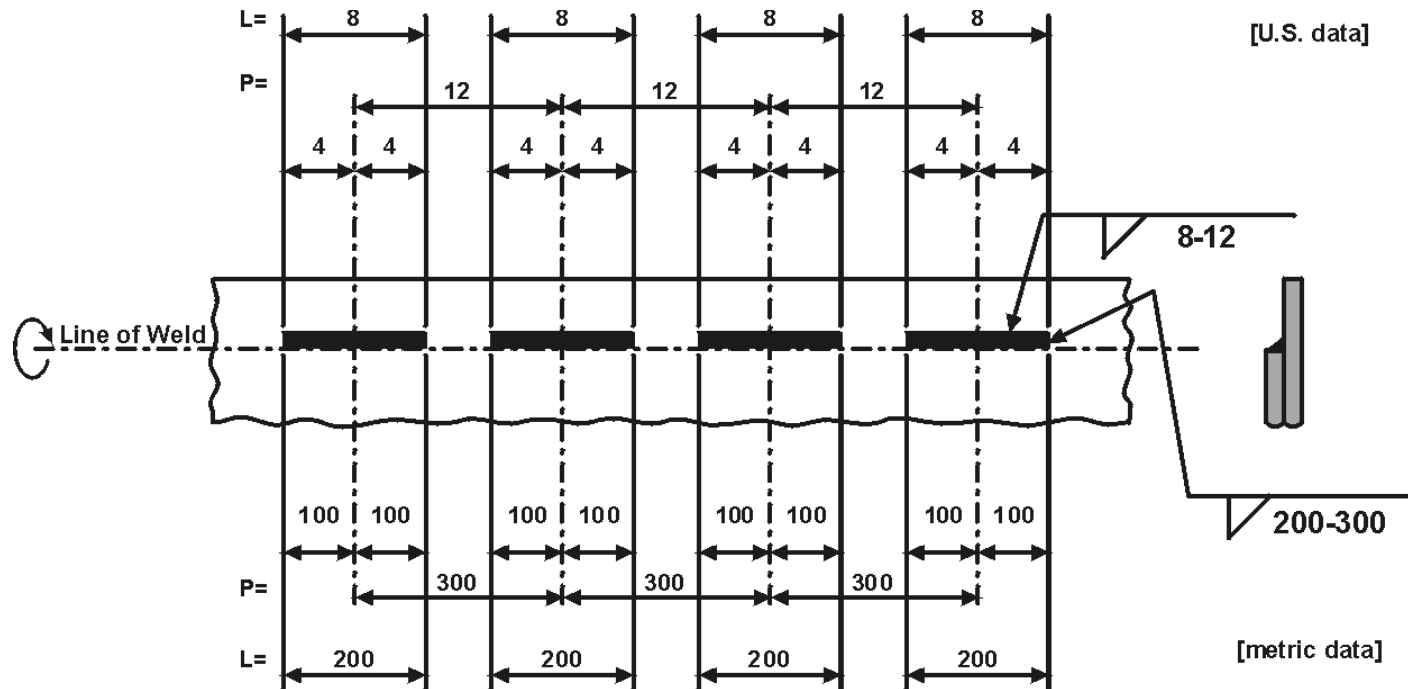
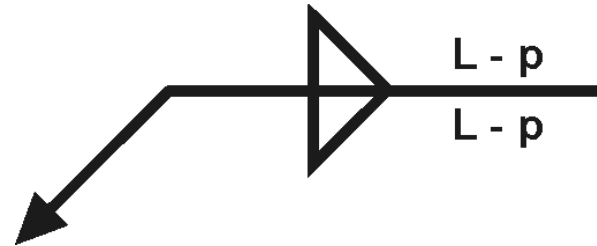
Desired Weld



Required Welding Symbol

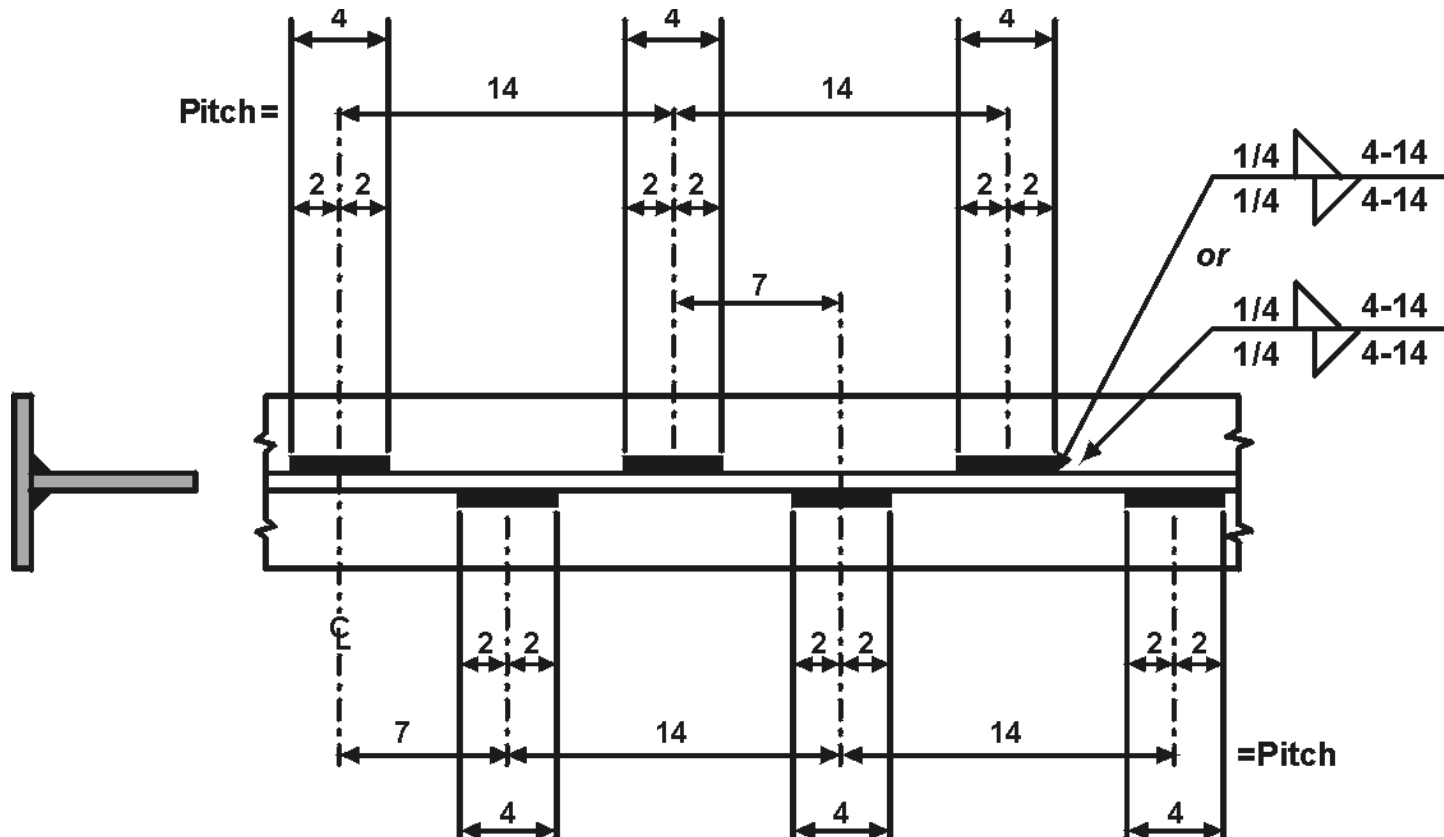
Weld symbols

Stitch (intermittent) Welds



Weld symbols

Stitch Welds



Weld symbols

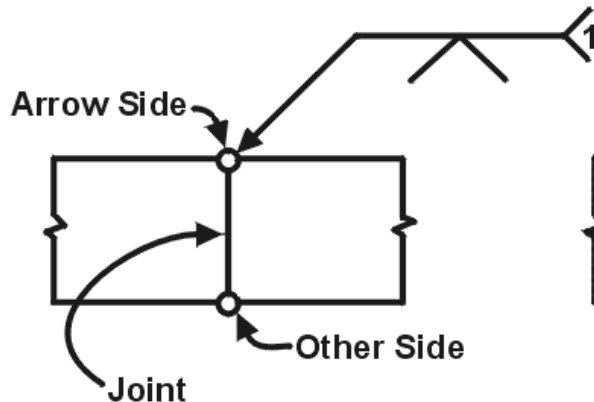
GROOVE WELD IN A BUTT JOINT

Required:

A Single-V-Groove Weld

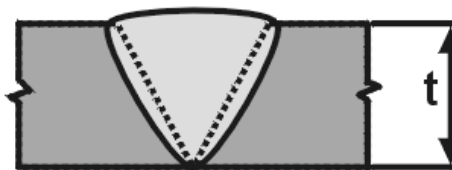


ALTERNATIVE 1:

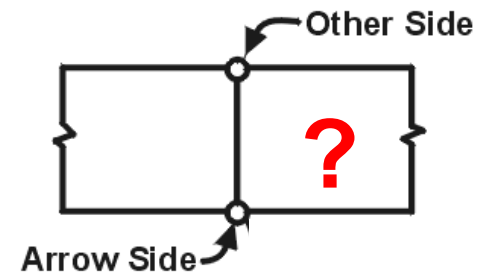


SYMBOL 1

indicates preparation to be made
from the Arrow Side



WELD



Weld symbols

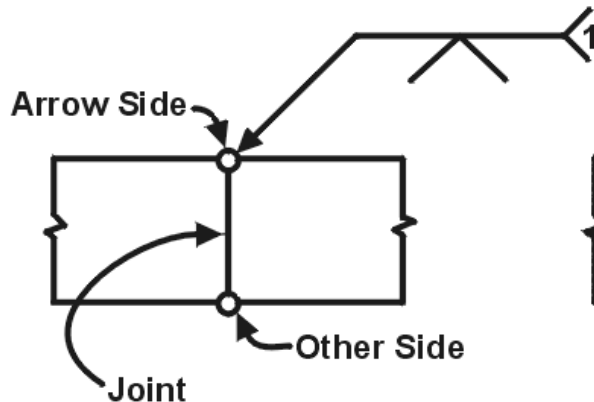
GROOVE WELD IN A BUTT JOINT

Required:

A Single-V-Groove Weld

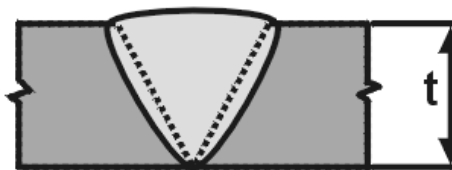


▼ ALTERNATIVE 1:

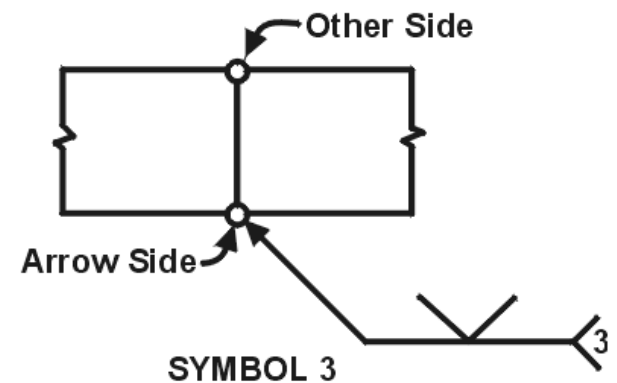


SYMBOL 1

indicates preparation to be made
from the Arrow Side



WELD

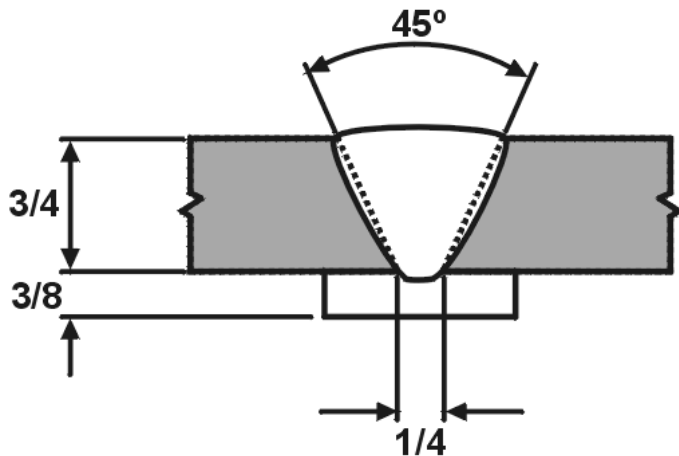


SYMBOL 3

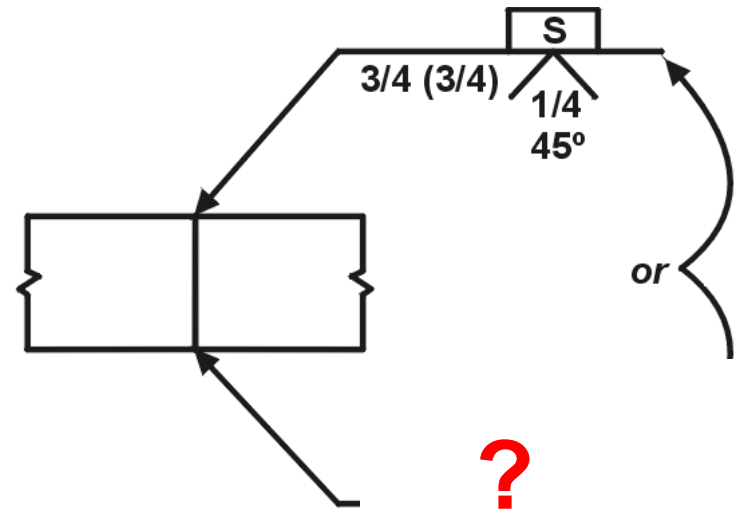
Preparation from the same side
could have been obtained
using Symbol 3 as shown

Weld symbols

Steel Backing



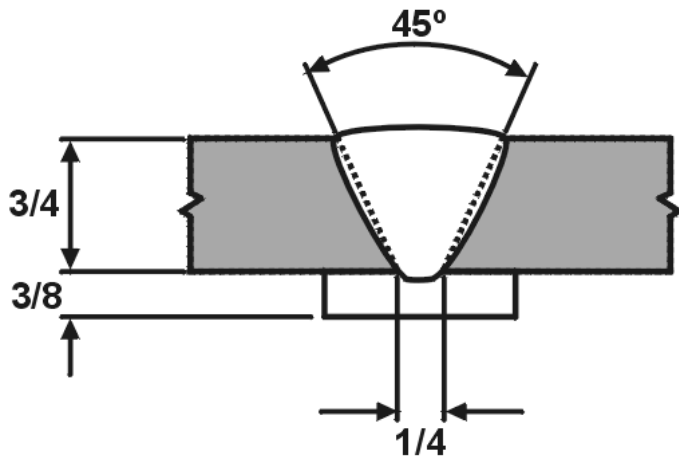
Desired Weld



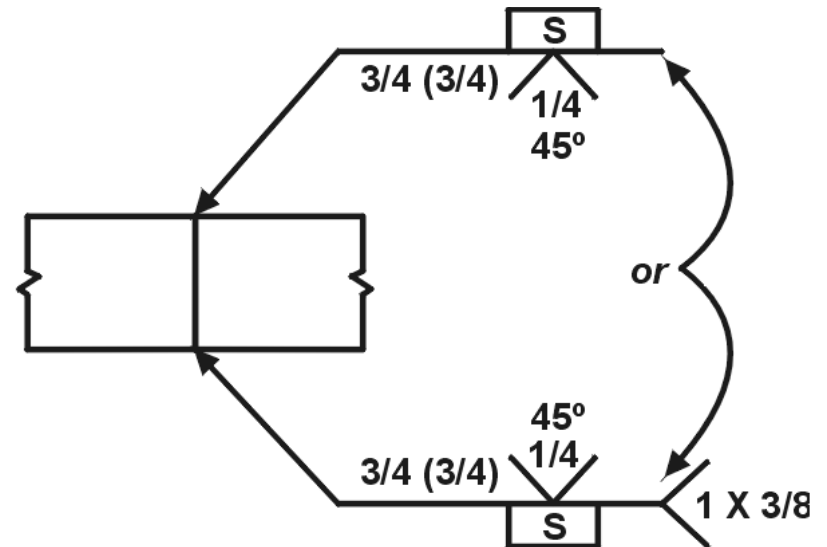
Symbol

Weld symbols

Steel Backing



Desired Weld

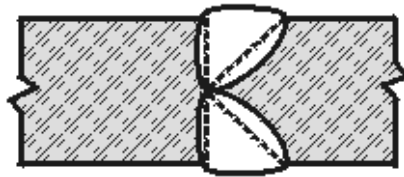


Symbol

Weld symbols

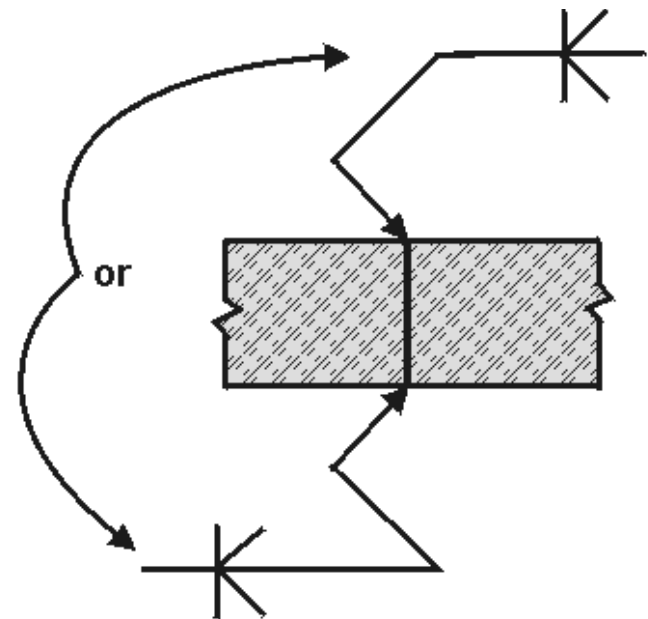
Beveled Member

**DOUBLE-BEVEL-GROOVE WELD IN A BUTT JOINT
WITH THE CHAMFERED MEMBER SPECIFIED**



Desired Weld

Preparation specified on the
right-side member as shown



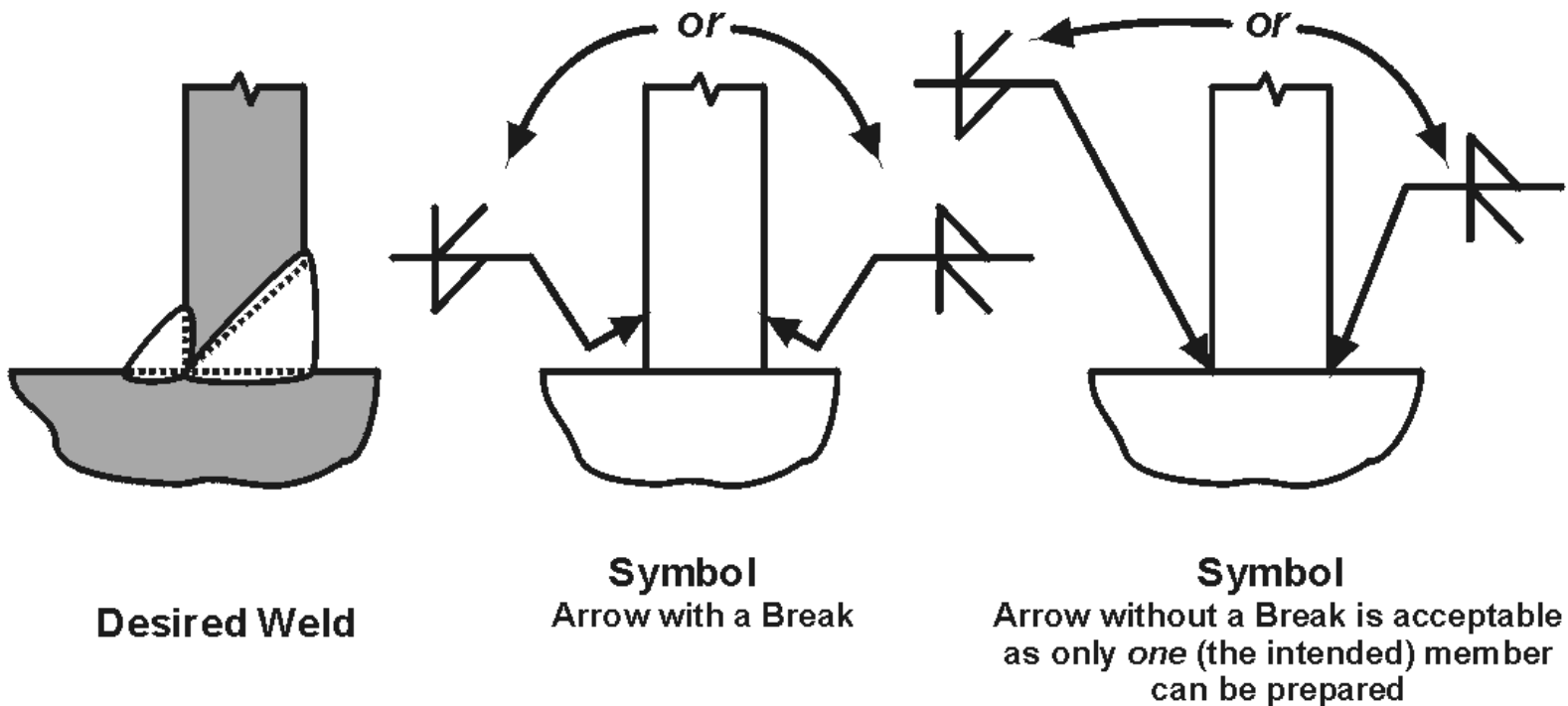
Symbol

The arrows point to the right
member to be chamfered

Weld symbols

Combinations

SINGLE-BEVEL-GROOVE AND A FILLET WELD IN A T-JOINT

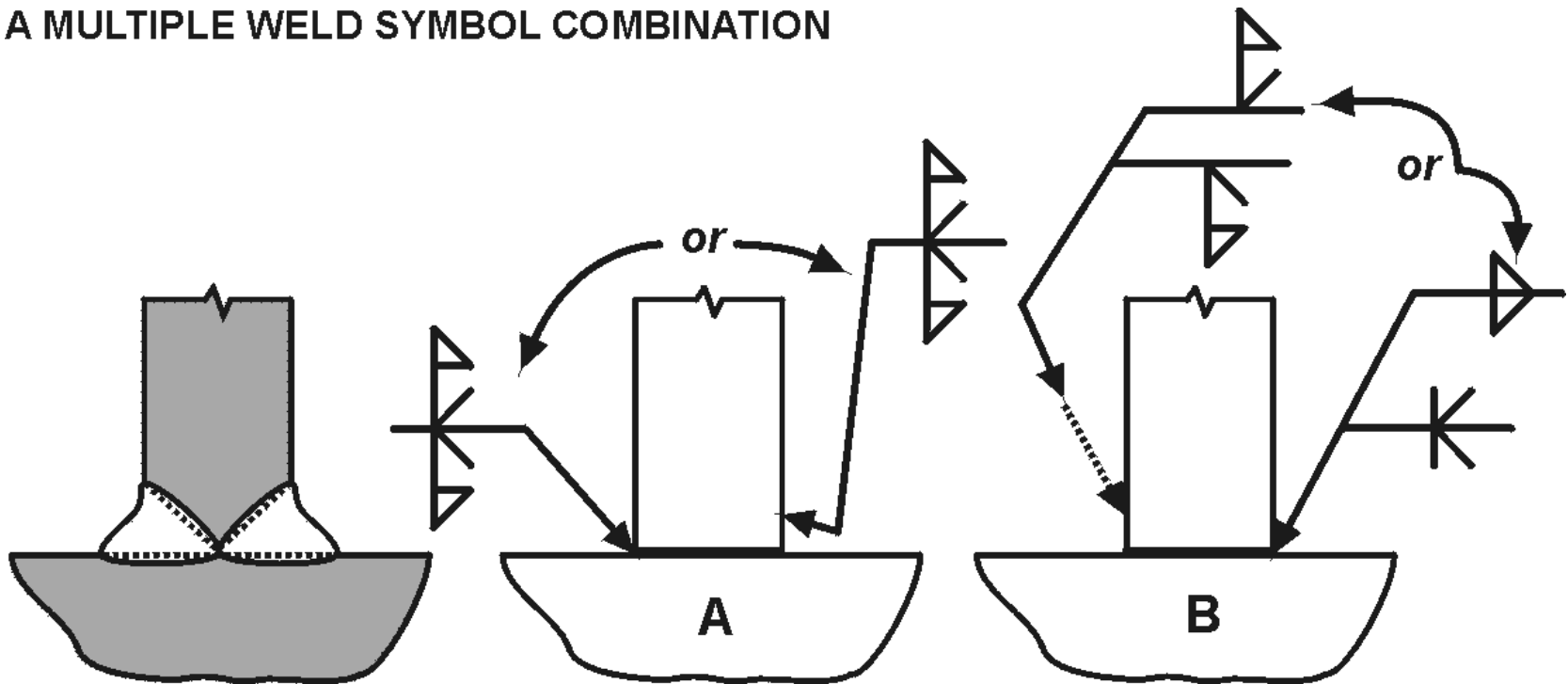


[As a matter of principal, it is recommended to use the arrow with a break]

Weld symbols

Combinations

A MULTIPLE WELD SYMBOL COMBINATION



Desired Weld

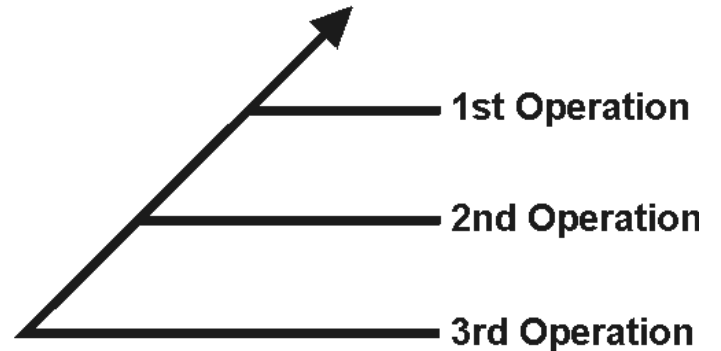
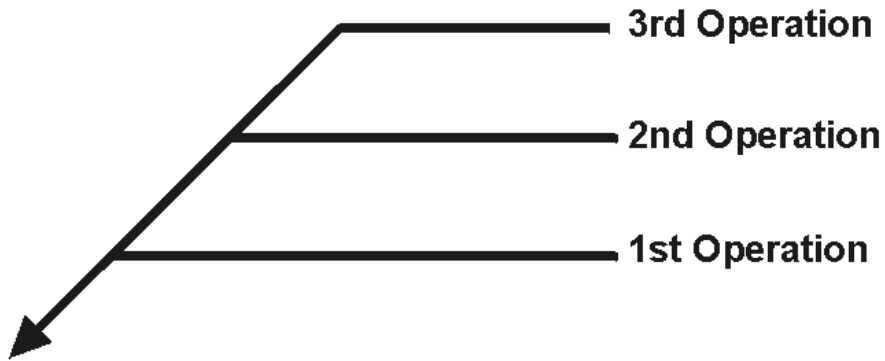
Combined Symbols

A) on Single Reference Line

B) on Multiple Reference Line
(to specify sequence of welding)
[see next heading]

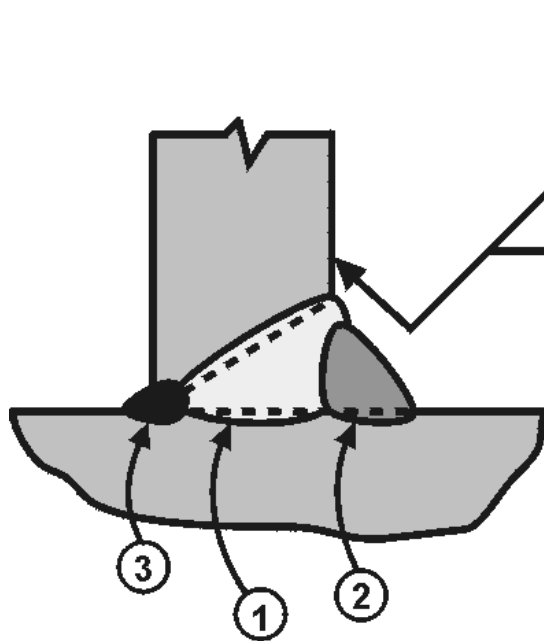
Weld symbols

Weld Order

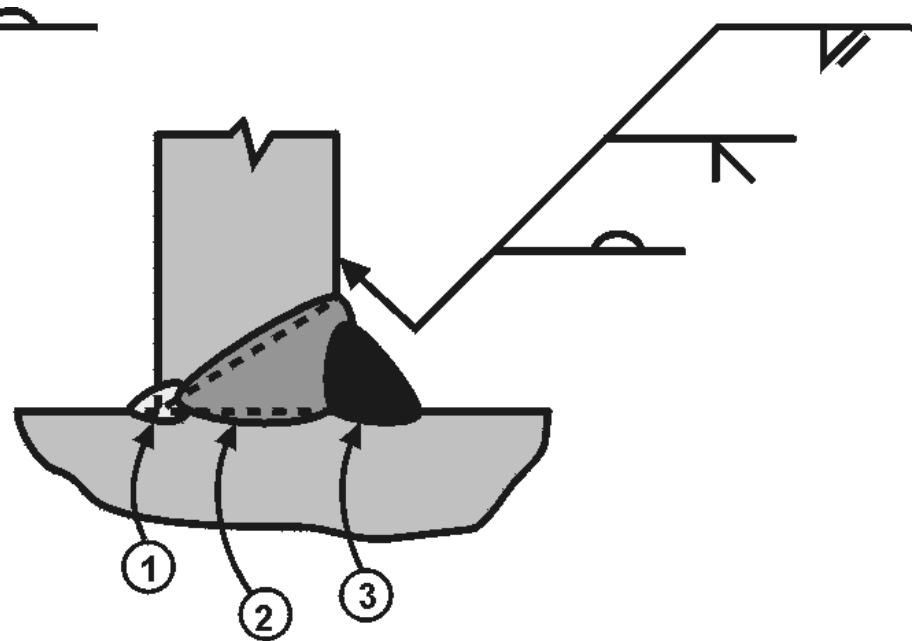


Weld symbols

Weld Order



Desired Weld and Sequence



Desired Weld and Sequence