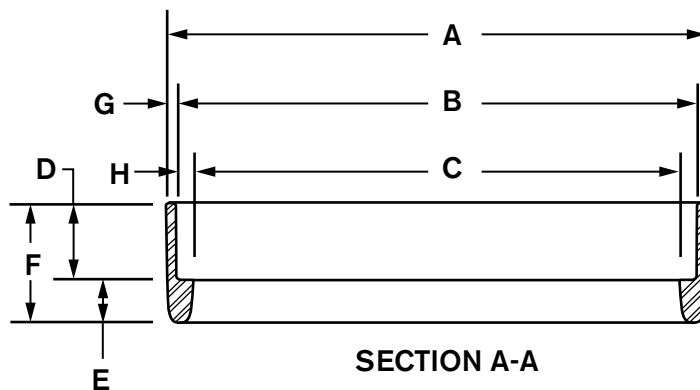
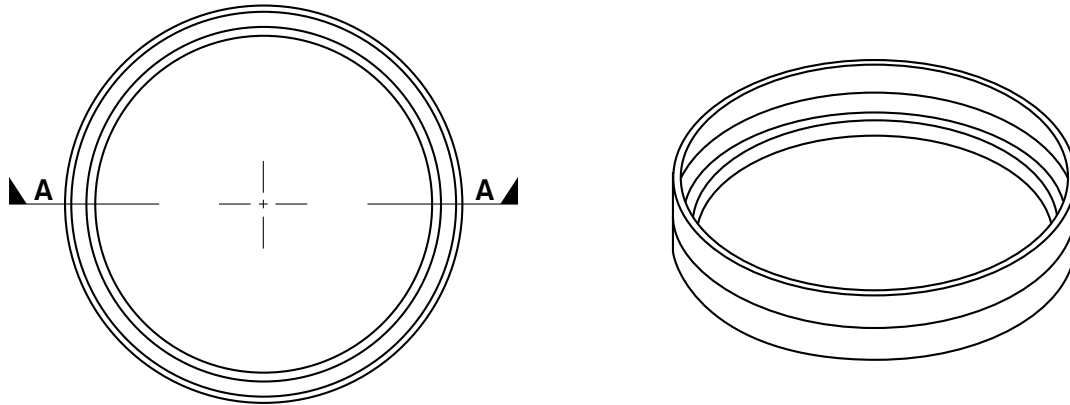


# OUTSIDE CUTTING SHOE

## CS2216

**MATERIAL: CAST STEEL**  
 ASTM A148 90/60 Heat Treated  
 Normal foundry tolerences apply



### Attachment Procedure

1. Hold cutting shoe in close contact with the end of pile.
2. Place a 5/16" fillet or flare weld along the entire top circumference of the cutting shoe utilizing an E70XX low hydrogen electrode or equivalent filler material.

#### Alternatively:

Place 5/16" fillet or flare weld inside the cutting shoe at the interface of shoe shoulder and bottom of pile with an E-70XX low hydrogen electrode or equivalent filler material.

OD	A	B	C	D
16"	17"	16"	15 1/4"	3"

E	F	G	H	wt
2"	5"	1/2"	3/8"	39#



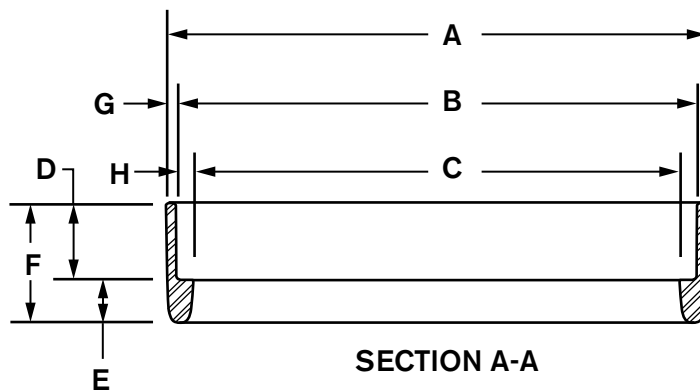
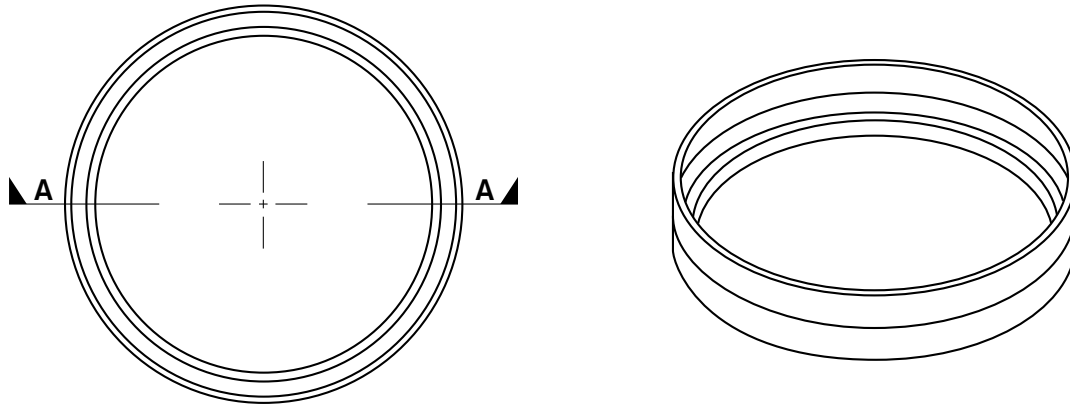
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[www.associatedpile.com](http://www.associatedpile.com)  
 Call Toll Free: 800-526-9047

# OUTSIDE CUTTING SHOE

## CS2220

**MATERIAL: CAST STEEL**  
 ASTM A148 90/60 Heat Treated  
 Normal foundry tolerances apply



### Attachment Procedure

1. Hold cutting shoe in close contact with the end of pile.
2. Place a 5/16" fillet or flare weld along the entire top circumference of the cutting shoe utilizing an E70XX low hydrogen electrode or equivalent filler material.

#### Alternatively:

Place 5/16" fillet or flare weld inside the cutting shoe at the interface of shoe shoulder and bottom of pile with an E-70XX low hydrogen electrode or equivalent filler material.

OD	A	B	C	D
20"	21"	20 3/16"	19"	3"

E	F	G	H	wt
2"	5"	3/8"	1/2"	58#



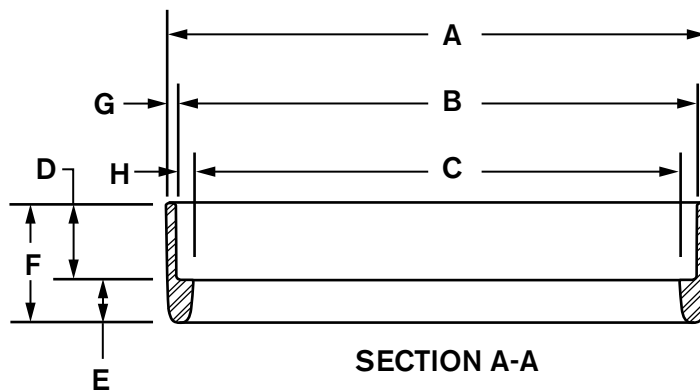
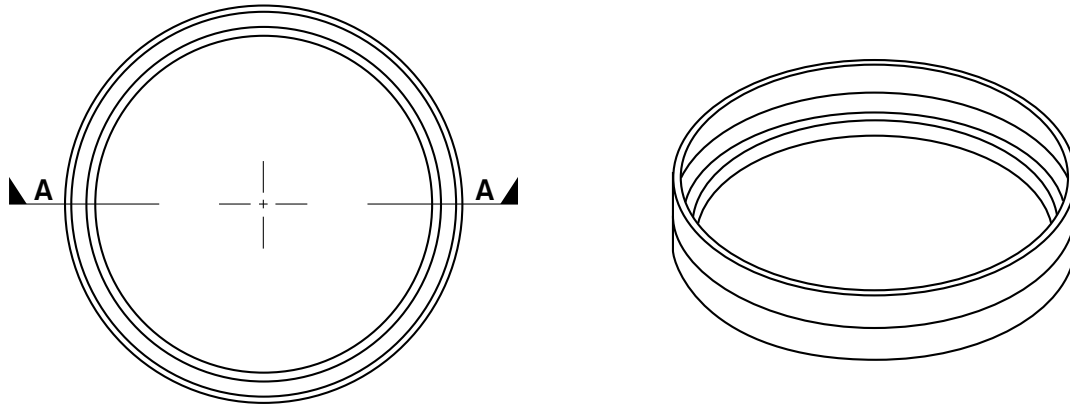
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 Call Toll Free: 800-526-9047

# OUTSIDE CUTTING SHOE

## CS2224

**MATERIAL: CAST STEEL**  
 ASTM A148 90/60 Heat Treated  
 Normal foundry tolerences apply



SECTION A-A

### Attachment Procedure

1. Hold cutting shoe in close contact with the end of pile.
2. Place a 5/16" fillet or flare weld along the entire top circumference of the cutting shoe utilizing an E70XX low hydrogen electrode or equivalent filler material.

#### Alternatively:

Place 5/16" fillet or flare weld inside the cutting shoe at the interface of shoe shoulder and bottom of pile with an E-70XX low hydrogen electrode or equivalent filler material.

OD	A	B	C	D
24"	25"	24 1/4"	22 1/2"	3"

E	F	G	H	wt
2"	5"	1/2"	3/4"	85#



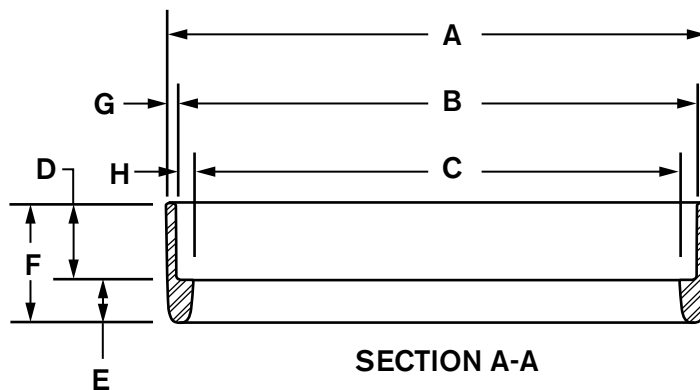
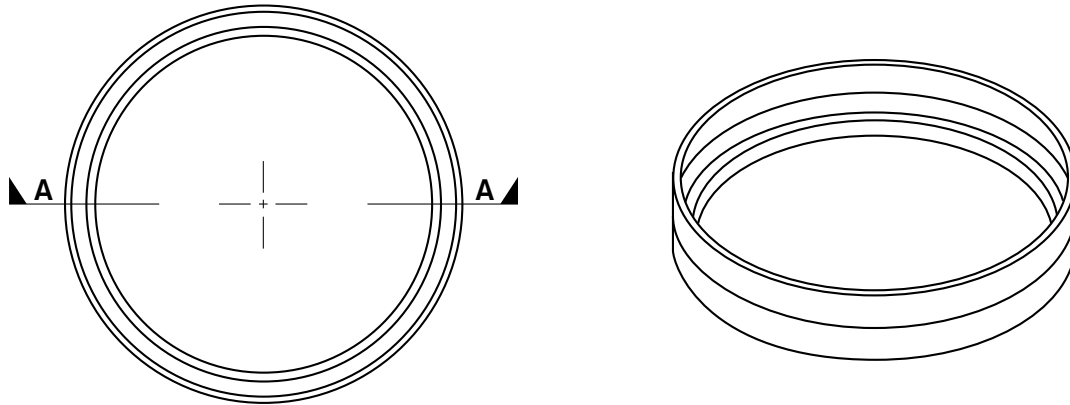
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# OUTSIDE CUTTING SHOE

## CS2230

**MATERIAL: CAST STEEL**  
 ASTM A148 90/60 Heat Treated  
 Normal foundry tolerences apply



### Attachment Procedure

1. Hold cutting shoe in close contact with the end of pile.
2. Place a 5/16" fillet or flare weld along the entire top circumference of the cutting shoe utilizing an E70XX low hydrogen electrode or equivalent filler material.

#### Alternatively:

Place 5/16" fillet or flare weld inside the cutting shoe at the interface of shoe shoulder and bottom of pile with an E-70XX low hydrogen electrode or equivalent filler material.

OD	A	B	C	D
30"	31 1/8"	30 1/8"	28 7/8"	2 3/4"

E	F	G	H	wt
2 1/2"	5 1/4"	1/2"	5/8"	105#



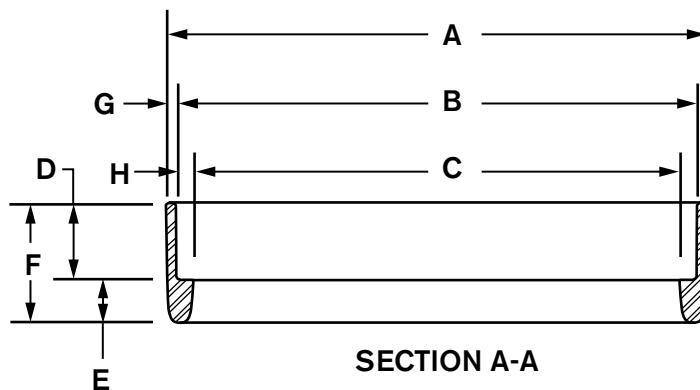
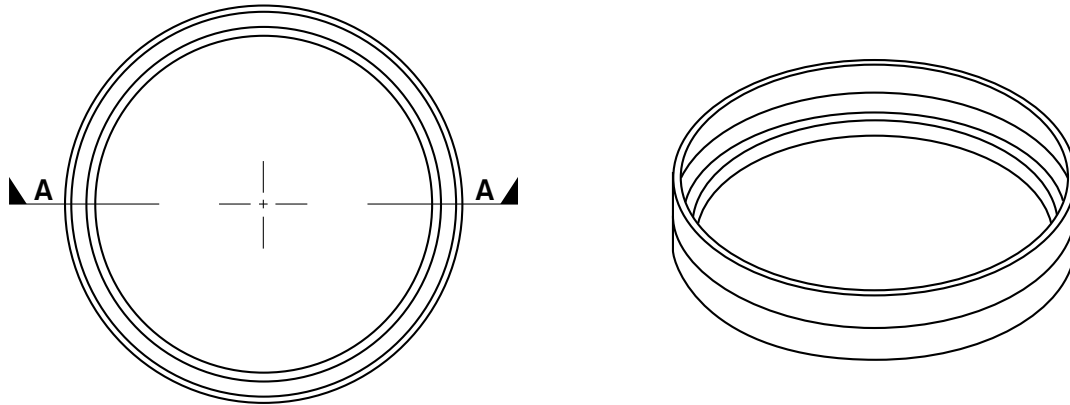
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# OUTSIDE CUTTING SHOE

## CS2236

**MATERIAL: CAST STEEL**  
 ASTM A148 90/60 Heat Treated  
 Normal foundry tolerences apply



### **Attachment Procedure**

1. Hold cutting shoe in close contact with the end of pile.
2. Place a 5/16" fillet or flare weld along the entire top circumference of the cutting shoe utilizing an E70XX low hydrogen electrode or equivalent filler material.

**Alternatively:**

Place 5/16" fillet or flare weld inside the cutting shoe at the interface of shoe shoulder and bottom of pile with an E-70XX low hydrogen electrode or equivalent filler material.

OD	A	B	C	D
36"	37 1/8"	36 1/8"	34 7/8"	2 3/4"

E	F	G	H	wt
2 1/2"	5 1/4"	1/2"	5/8"	150#



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