

# ARC WELD Studs

## Headed Anchor Mild Steel

		BODY DIAMETER			
		1/4	3/8	1/2	5/8
Length	1 1/8	HAC25-112			
	1 3/8		HAC37-137		
	1 5/8		HAC37-162		
	2 1/8		HAC37-212	HAC50-212	
	2 5/8			HAC50-262	
	2 11/16	HAC25-268	HAC37-268		HAC62-268
	3 1/8		HAC37-312	HAC50-312	
	3 3/16				HAC62-318
	3 5/8			HAC50-362	
	4 1/8	HAC25-412	HAC37-412	HAC50-412	
	4 3/16				HAC62-418
	5 5/16			HAC50-531	
	6 1/8		HAC37-612	HAC50-612	
	6 3/16				HAC62-618
	6 9/16				HAC62-656
	8 1/8			HAC50-812	
8 3/16				HAC62-818	
	<b>Min Length</b>	1.125"	1.375"	2.125"	2.687"
	<b>Max Length</b>	Most Sizes are made to order			
Head	<b>Height</b>	.19"	.28"	.31"	.31"
	<b>Diameter</b>	.50"	.75"	1.00"	1.25"
Fillet	<b>Height</b>	.12 ± .02"	.12 ± .02"	.17 ± .02"	.25 ± .02"
	<b>Diameter</b>	.36 ± .02"	.49 ± .02"	.63 ± .02"	.77 ± .02"
<b>After Weld Length Reduction (approx)</b>		.12"	.12"	.12"	.19"

STANDARD ACCESSORIES				
<b>Chuck</b>	CH25	CH37	CH50	CH62
<b>Grip</b>	GS25	GS37	GS50	GS62
<b>Long Grip (inside angle)</b>	GLS25	GLS37	GLS50	GLS62
<b>Foot</b>	FTSS20	FTSS20	FTSS20	FTMS20
<b>Ferrule</b>	25F	37F	50F	62F

MECHANICAL PROPERTIES				
(see appendix for calculation details particularly when comparing different manufacturers)				
<b>Max Yield Tensile</b>	2,454 lb	3,835 lb	5,522 lb	9,817 lb
<b>Max Yield Shear</b>	1,416 lb	2,213 lb	3,186 lb	5,665 lb

Headed Anchors are designed to be welded to flat surfaces or in the fillet or heel of angles. They are used in structural applications. Please note that the standard ferrule is for welding on flat surfaces. If you are going to weld on the fillet or heel of angles, please ask your Image Sales Representative or consult the Factory directly for a different ferrule specification.



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## Headed Anchor Stainless Steel

DRAWN ARC WELD STUD

	BODY DIAMETER			
	1/4	3/8	1/2	5/8
<b>Example Part No.</b>	HAS25-112	HAS37-137	HAS50-212	HAS62-268
<b>Min Length</b>	1.125"	1.375"	2.125"	2.687"
<b>Max Length</b>	Most Sizes are made to order			
<b>Head</b>	<b>Height</b>	.19"	.28"	.31"
	<b>Diameter</b>	.50"	.75"	1.00"
<b>Fillet</b>	<b>Height</b>	.12 ± .02"	.12 ± .02"	.17 ± .02"
	<b>Diameter</b>	.36 ± .02"	.49 ± .02"	.63 ± .02"
<b>After Weld Length Reduction (approx)</b>	.12"	.12"	.12"	.19"

STANDARD ACCESSORIES				
<b>Chuck</b>	CH25	CH37	CH50	CH62
<b>Grip</b>	GS25	GS37	GS50	GS62
<b>Long Grip (inside angle)</b>	GLS25	GLS37	GLS50	GLS62
<b>Foot</b>	Small Split	Small Split	Small Split	Medium Split
<b>Ferrule</b>	25F	37F	50F	62F

MECHANICAL PROPERTIES				
(see appendix for calculation details particularly when comparing different manufacturers)				
<b>Min Yield Tensile</b>	1,473 lb	2,301 lb	3,313 lb	5,890 lb
<b>Min Yield Shear</b>	850 lb	1,328 lb	1,912 lb	3,399 lb

