

# ARC WELD Studs

## No Thread Mild Steel

		BODY DIAMETER						
		1/4	5/16	3/8	1/2	5/8	3/4	
Length	5/8	NTC25-62	NTC31-62	NTC37-62				
	3/4	NTC25-75	NTC31-75	NTC37-75				
	7/8	NTC25-87	NTC31-87	NTC37-87	NTC50-87			
	1	NTC25-1	NTC31-1	NTC37-1	NTC50-1			
	1 1/8	NTC25-112	NTC31-112	NTC37-112	NTC50-112			
	1 1/4	NTC25-125	NTC31-125	NTC37-125	NTC50-125			
	1 3/8	NTC25-137	NTC31-137	NTC37-137	NTC50-137			
	1 1/2	NTC25-150	NTC31-150	NTC37-150	NTC50-150			
	1 5/8	NTC25-162	NTC31-162	NTC37-162	NTC50-162	NTC62-162	NTC75-162	
	1 3/4	NTC25-175	NTC31-175	NTC37-175	NTC50-175	NTC62-175	NTC75-175	
	1 7/8	NTC25-187	NTC31-187	NTC37-187	NTC50-187	NTC62-187	NTC75-187	
	2	NTC25-2	NTC31-2	NTC37-2	NTC50-2	NTC62-2	NTC75-2	
	2 1/4	NTC25-225	NTC31-225	NTC37-225	NTC50-225	NTC62-225	NTC75-225	
	2 1/2	NTC25-250	NTC31-250	NTC37-250	NTC50-250	NTC62-250	NTC75-250	
	2 3/4	NTC25-275	NTC31-275	NTC37-275	NTC50-275	NTC62-275	NTC75-275	
	3	NTC25-3	NTC31-3	NTC37-3	NTC50-3	NTC62-3	NTC75-3	
		MIN L	5/8	5/8	5/8	7/8	1 5/8	1 5/8
		MAX L	Up to 3" is considered a stocking size. Beyond 3" is a custom order.					
Fillet	Height	.12 ± .02"	.12 ± .02"	.14 ± .02"	.17 ± .02"	.25 ± .02"	.32 ± .02"	
	Diameter	.36 ± .02"	.43 ± .02"	.49 ± .02"	.63 ± .02"	.77 ± .02"	.97 ± .02"	
After Weld Length Reduction (approx)		.12"	.12"	.12"	.12"	.19"	.19"	

STANDARD ACCESSORIES						
Chuck	C25	C31	C37	C50	C62	C75
Grip	G25	G31	G37	G50	G62	G75
Foot	FTS20	FTS20	FTS20	FTS20	FTM20	FTM20
Ferrule	25F	31F	37F	50F	62F	75F

MECHANICAL PROPERTIES						
(see appendix tables for calculation details particularly when comparing different manufacturers)						
Min Yield Tensile	2,454 lb	3,835 lb	5,522 lb	9,817 lb	15,340 lb	22,089 lb
Min Yield Shear	1,416 lb	2,213 lb	3,186 lb	5,665 lb	8,851 lb	12,746 lb

No Thread Studs simply do not have any threads. There are many uses for a No Thread Stud which include: stops, handles, locators etc. One item to note on No Thread Studs is that the body is the full dimension. A 1/2" NT is 1/2" in diameter whereas a 1/2" Pitch Diameter Stud is only .446" in diameter in the unthreaded portion.

Many different features can be put into a No Thread Stud such as grooves for retaining clips or springs, cross drilled holes, slots, etc. Contact your Image Sales Representative or the Factory to find out if there may be a special part to meet your application.



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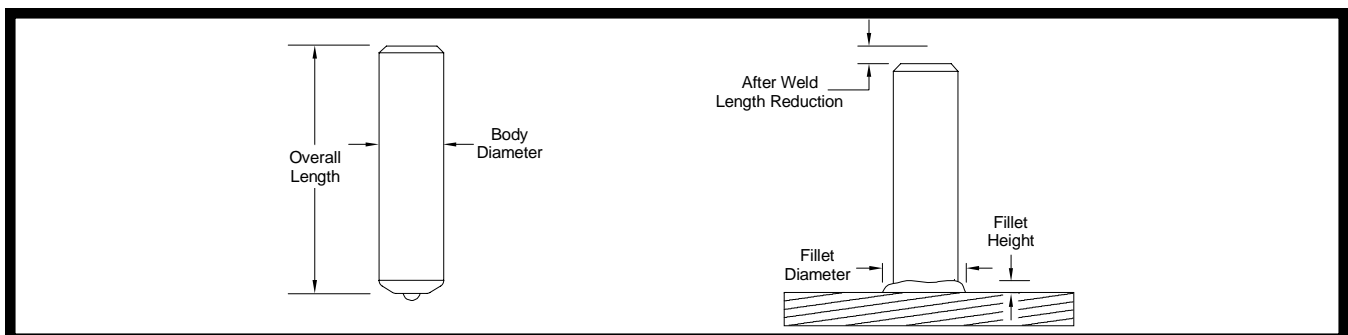
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		BODY DIAMETER					
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	7/8	NTS25-87	NTS31-87	NTS37-87	NTS50-87		
	1	NTS25-1	NTS31-1	NTS37-1	NTS50-1		
	1 1/8	NTS25-112	NTS31-112	NTS37-112	NTS50-112		
	1 1/4	NTS25-125	NTS31-125	NTS37-125	NTS50-125		
	1 3/8	NTS25-137	NTS31-137	NTS37-137	NTS50-137		
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Ferrule	25F	31F	37F	50F	62F	75F

MECHANICAL PROPERTIES						
(see appendix tables for calculation details particularly when comparing different manufacturers)						
Min Yield Tensile	1,473 lb	2,301 lb	3,313 lb	5,890 lb	9,204 lb	13,254 lb
Min Yield Shear	850 lb	1,328 lb	1,912 lb	3,399 lb	5,311 lb	7,647 lb



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