



ARC STUD WELDING SYSTEM SELECTION GUIDE

Full capability

POWER	STUD WELD BASE DIAMETER RANGE	WELDING AREA IS...	THESE SYSTEMS CAN MEET YOUR REQUIREMENTS					
			HBS					
			<u>ARC 110</u> (Visar 650)	<u>ARC 110 Gas</u> (Visar 650)	<u>ARC 800</u>	<u>IT 1002</u>	<u>VISAR 1200</u>	<u>IT 2002</u>
SINGLE PHASE	12 GA - 3/8"	Local or Large						
	3/8" - 1/2"							
3 PHASE	12 GA - 5/16"	Local						
	5/16" - 1/2"	Local						
	1/2" - 5/8"	Local						
	5/8" - 7/8"	Local						
	7/8" - 1"	Large or Multi-level						
NO AC POWER AVAILABLE	1/2" - 1 1/4"	Remote	FIELD DIESEL					

POWER	STUD WELD BASE DIAMETER RANGE	WELDING AREA IS...	THESE SYSTEMS CAN MEET YOUR REQUIREMENTS				
			PRO-WELD				
			<u>ARC 656</u>	<u>ARC 800</u>	<u>ARC 1200</u>	<u>ARC 1850</u>	<u>ARC 3000</u>
SINGLE PHASE	12 GA - 3/8"	Local or Large					
	3/8" - 1/2"						
3 PHASE	12 GA - 5/16"	Local					
	5/16" - 1/2"	Local					
	1/2" - 5/8"	Local					
	5/8" - 7/8"	Local					
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NO AC POWER AVAILABLE	1/2" - 1 1/4"	Remote	FIELD DIESEL				

A rule-of thumb is the base metal must be a minimum of 1/3 the diameter of the stud or the weld process will burn through the base material. This is not an exact specification and when in doubt consider the stud diameter, base thickness, material, power requirements and plunger of the stud.

www.sunbeltstudwelding.com

Sunbelt Stud Welding, Inc
6381 Windfern Road
Houston, Texas 77040-4915



1-800-462-9353
713-939-8903
fax 713-939-9013