

FRICTION WELDING SUITABILITY CHART

	Vanadium	Titanium Alloys	Titanium	Steel, free cutting	Cast Steel	Steel, Austenitic	Steel, high alloyed	Steel, alloyed	Steel, not alloyed	Nickel Alloys	Nickel	Magnesium	Copper	Hard Metal sinterized	Cast Iron	Iron Sintered	Bronze	Aluminum Alloys	Aluminum	
Aluminum			■			■	■	■	■		■		■					■	■	■
Aluminum Alloys													■					■		
Bronze					■			■	■								■			
Iron Sintered																■				
Cast Iron								■	■						■					
Hard Metal sinterized																				
Copper						■	■	■	■				■							
Magnesium			■									■								
Nickel			■					■	■		■									
Nickel Alloys					■	■	■	■	■	■										
Steel, not alloyed		■	■	■	■	■	■	■	■											
Steel, alloyed		■	□	■	■	■	■	■												
Steel, high alloyed	■	■	■		■		■													
Steel, Austenitic			■			■														
Cast Steel					■															
Steel, free cutting				■																
Titanium			■																	
Titanium Alloys		■																		
Vanadium																				

■ Can be Friction Welded

■ May be Friction Welded

□ Unsuitable for Friction Welding

□ No documented cases available

The data contained in this table are as known from the state of art.
 The result of a welding is subject to several other parameters that must be verified on each individual project.