

## DESIGN APPLICATION



### ***Defense***

Armor plate technology  
Complex joint design  
Rigid x-ray standards

<u>WELDING APPLICATION</u>	<u>SPECIAL CONSIDERATIONS</u>	<u>COMMON BASE ALLOYS</u>	<u>WELDING ALLOY SELECTION (Most Commonly Used)</u>
ARMOR PLATE	Impact Strength & Strength-to-Weight Ratio	5083 to 5083 7039 to 7039 2519 to 2519	5356 5356 2319
MISSILES	Strength-to-Weight Ratio	2014 to 2014 2219 to 2219	4145 2319 - 2nd 4145
MILITARY BRIDGES	Strength-to-Weight Ratio	7039 to 7039	5356

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