

DESIGN APPLICATION



Containers

Defect free production welding technology
Special alloys for specific environments

<u>WELDING APPLICATION</u>	<u>SPECIAL CONSIDERATIONS</u>	<u>COMMON BASE ALLOYS</u>	<u>WELDING ALLOY SELECTION (Most Commonly Used)</u>
FRAME EXTRUSION & BODY SHEET	Strength-to-Weight Ratio & Forming	6061 to 6061	5356
		5454 to 5454	5356
		5086 to 5086	5356
		5052 to 5052	5356
PRESSURE VESSEL	Strength	5456 to 5456	5556 - 2nd 5183
STRUCTURAL TANKS	Economics & Strength	5086 to 5086	5356
MARINE & CRYOGENIC TANKS	Temperature & Strength	5083 to 5083	5183
CHEMICAL STORAGE	Chemical (acids), Processing (food), H ₂ O ₂ Corrosion, & Strength	1060 to 1060	4043
		1100 to 1100	4043
		3003 to 3003	4043
		5254 to 5254	5654

AlcoTec Wire Corporation