



# Shield-Bright 308L

FCAW

Shield-Bright 308L is an all-position flux cored wire for welding types 301, 302, 304, 304L, 308 and 308L of stainless steel. May be used for welding types 321 and 347 if service temperature does not exceed 260°C. The low carbon content minimises carbide precipitation. Ferrite values will be lower as impact toughness increases. Carbon content 0.04% maximum. Shield-Bright 308L is designed primarily for all position welding. Either pure CO<sub>2</sub> or mixed gas (75% Argon/25% CO<sub>2</sub>) can be used.

## Welding Current

DC (+)

## Shielding Gas

CO<sub>2</sub> or 75% Argon/25% CO<sub>2</sub>

PACKING/ORDERING INFORMATION			
Part Number	Dia (mm)	Carton Weight (kg)	Pallet Weight (kg)
VacPac			
35BA12248V	1.2	12.5	787.5
35BA16248V	1.6	12.5	787.5

CLASSIFICATIONS	APPROVALS	TYPICAL ALL WELD METAL COMPOSITION (%)			TYPICAL MECH. PROPERTIES ALL WELD METAL					
		Gas	CO <sub>2</sub>	75%Ar/25%CO <sub>2</sub>	As Welded CO <sub>2</sub>	As Welded 75%Ar/25%CO <sub>2</sub>				
<u>SFA/AWS A5.22</u>	ABS E308LT1-1	C	0.024	0.004	Yield Stress, Mpa	As Welded	As Welded			
E308LT1-1/E308LT1-4	LR 304L S					CO <sub>2</sub>	75%Ar/25%CO <sub>2</sub>			
<u>EN 12073</u>	DNV 308L MS					400	445			
T19 9 L P C 2	NK KS308LG (C)				Si	0.7	19.5	Tensile Strength, MPa	570	620
T19 9 L P M 2	KR RW308LG (C)				Cr	19.2	19.5	Elongation, %	50	42
		Ni	10.0	10.0	Charpy V	Test temp, °C	Impact Values*			
		FN	5	5		90	49			

