FILLER METAL SELECTION TABLE FOR STAINLESS STEEL WELDING

PROPERTIES / PRODUCTS	308L-16	308L-17	309L-16	309L-17	310 –16	316L-16	316L-17	316 L-VD	316L-HS	416 Jet
Tensile strength (x 1000 psi)	>78	>78	>81	>81	>80	>81	>81	>81	>81	90
Elongation (%)	>35	>35	>35	>35	>30	>35	>35	>30	>30	40
Vertical down welding								1		
High-recovery										✓
Thin sections					2	2				1
No "popping"slag									1	
Welding of 304 – 304L stainless	1	1	2	2						
Welding of 308 – 308L stainless	1	1	2	2						
Welding of 321 stainless	1	1	2	2						
Welding of 347 stainless	1	1	2	2						
Welding of 310 stainless					1					
Welding of 316 – 316L stainless						1	1	1	1	1
Welding of 317L stainless						1	1	1	1	1
Welding of 309 – 309L stainless			1	1						
Welding of 318 stainless						1	1	1	1	1
Paper mills	For all applications in these industries, consult the FSH Welding Canada Technical Department.									
Hospitals										
Petroleum										
Breweries										
Dairy industries										

1 = Most efficient product(s) ; ✓ = Recommended product(s)

Note:

This table is not exhaustive; other products may be suitable for certain applications and/or characteristics. Consult the **FSH Welding Canada** Technical Department.

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