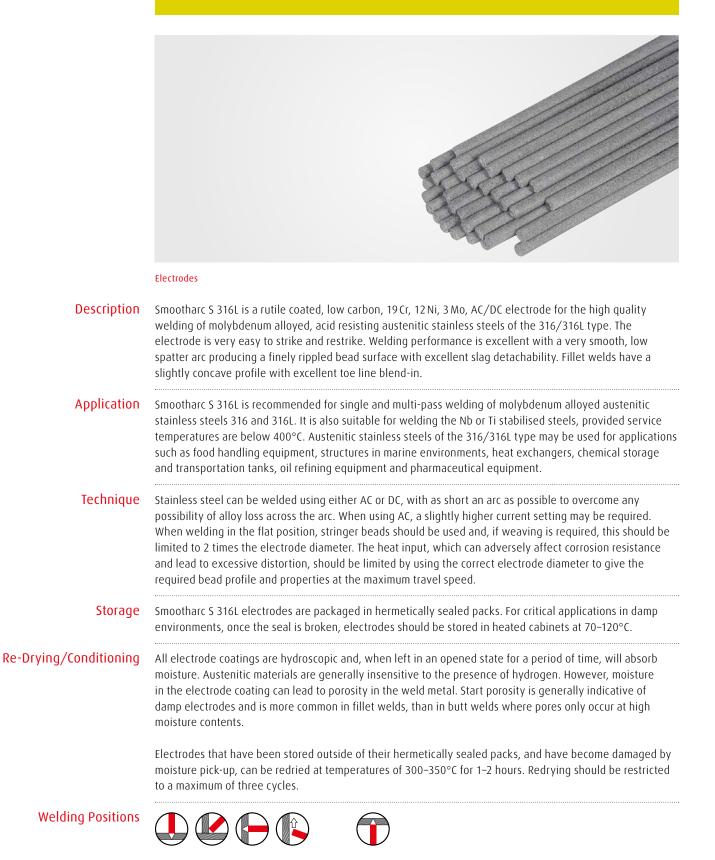
→ Technical Data Sheet



Smootharc[™] S 316L MMA Electrodes, Stainless Steel



WARNING

Welding can give rise to electric shock, excessive noise, eye and skin burns due to the arc rays, and a potential health hazard if you breathe in the emitted fumes and gases. Read all the manufacturer's instructions to achieve the correct welding conditions and ask your employer for the Safety Data Sheets. Refer to www.boc.com.au or www.boc.co.nz

Specifications	Coating type	Rutile	Rutile					
	Classifications	AWS/A	AWS/ASME-SFA A5.4 E316L-17					
		AS/NZS 4854 B-ES316L-17						
	Welding current	AC, OCV 50V or DC+						
	,							
Chemical Composition, wt%		С	Si	Mn	Cr	Ni	Мо	
– All Weld Metal	ТурісаІ	0.02	0.76	0.71	17.9	11.6	2.6	
	Ferrite content FN 6 (WRC-92)							
Mechanical Properties		Typical (as welded)						
– All Weld Metal	Yield strength	490 MPa						
	Tensile strength	600 MPa						
	Elongation	32% min						
	Impact energy, CVN	55J @ -20°C						
		45J @ -120°C						
Packaging Data	Diameter	2.5 mm		3.2 mm			4.0 mm	
	Part No.	188162	188162VP 188163VP		VP	188164VP		
	Length (mm)	300		350		350		
	Weight packet (kg)	1.7		2.0		2.0		
	Quantity (per pack) approx.	92		56		38		
Welding Parameters	Diameter	2.5 mm		3.2 mm		4.0 mm		
	Current range (A)	40-80		80-120 10		100-16	100-160	
	Voltage (V)	29		29 30				
Deposition Data	Diameter	2.5 mm		3.2 mm 4.0 mm		4.0 mm		
	Weld metal kg/electrodes kg	0.64		0.64 0.65				
	No. of electrodes/weld metal kg	85		44 30				
	Weld metal kg/hour arc time	1.1		1.5 2.1				
	Burn off time/electrode (s)	35		43 56				



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