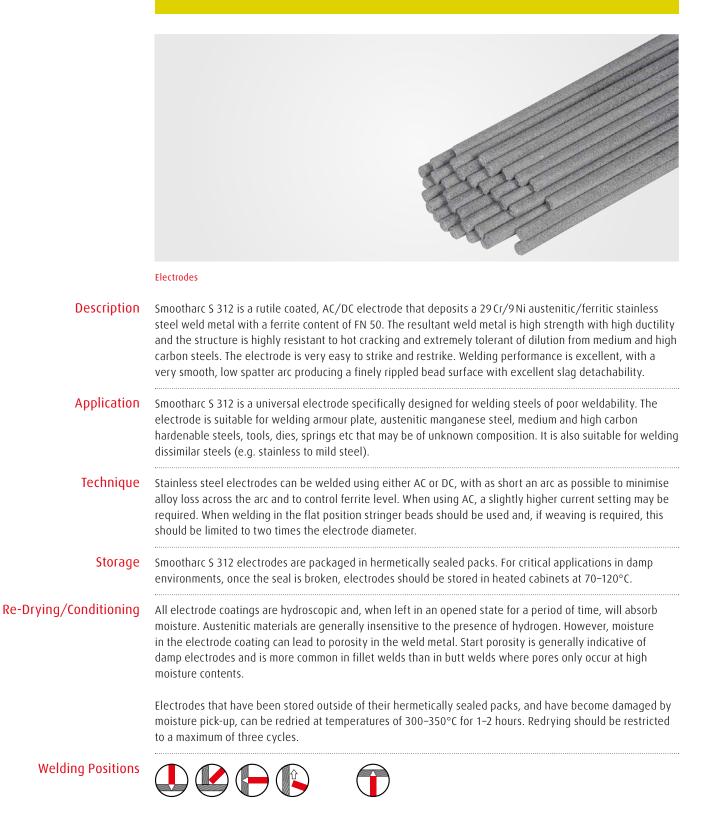
→ Technical Data Sheet



Smootharc[™]S 312 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					
	Classifications		AWS/ASME-SFA A5.4 E312-17				
			AS/NZS 4854 A-E 29 9 R 32				
	Welding current	AC, OCV 50V or DC+					
	Scaling temperature	Approx. 1100°C in air					
Chemical Composition, wt%		ſ	Si	Mn	Cr	Ni	
– All Weld Metal	ТурісаІ	<u> </u>	0.96	0.79	28.86	8.91	
	Ferrite content FN 9 (WRC-92)	0.12	0.70	0.77	20.00	0.71	
Mechanical Properties		Typical (as welded)					
– All Weld Metal	Yield strength	590 MPa					
	Tensile strength	760 MPa					
	Elongation	25% min					
Packaging Data	Diameter	2.5 mm			4.0 mm		
	Part No.	188122VI	188122VP 188123VP		188124VP		
	Length (mm)	300			350		
	Weight packet (kg)	1.7 2.0		2.0			
	Quantity (per pack) approx.	153 94			62	62	
Welding Parameters	Diameter	2.5 mm		3.2 mm		<u>4.0 mm</u>	
	Current range (A)	40-80		80-120	100-160		
	Voltage (V)	25		26 27			
Deposition Data	Diameter	2.5 mm		3.2 mm	4.0 m	m	
	Weld metal kg/electrodes kg	0.64		0.64	<u> </u>		
	No. of electrodes/weld metal kg	<u> </u>		47	31		
	Weld metal kg/hour arc time	<u> </u>		1.5	2.1		
	Burn off time/electrode (s)	<u> </u>		$\frac{1.5}{51}$ $\frac{2.1}{55}$			
		٦C UC					



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