

DURALLOY®

PRODUCT DATA CONSUMABLES

DURALLOY® 316L

Duralloy 316L is designed for welding all chromium-nickel steels with low or medium carbon content as well as titanium and niobium stabilised chromium-nickel steels of the 18 Cr 8Ni type.

Duralloy 316L is a smooth running Rutile high alloy extra-low carbon electrode. It has good striking and restriking with excellent slag removal and very low spatter levels.

CLASSIFICATION

AWS A5.4	AS/NZS
E316L-16	4854-B

TYPICAL ALL WELD METAL COMPOSITION (Wt%)

C	Si	Mn	P	S	Cr	Ni	Mo
0.03	0.03	1.51	0.024	0.011	18.7	12.4	2.34

TYPICAL MECHANICAL PROPERTIES OF DEPOSITED METAL

Tensile Strength N/mm2 (kgf/mm2)	Elongation %	Creep-rupture (as welded, X N/mm2)	Strength 1,000h Kgf/mm2
		650C	732C
560 (57)	46	140 (14)	57 (5.8)