

## SUPERALLOY 1750

Superalloy 1750 is specially designed electrode, which yields Inconel type deposit. The weld deposit possesses an excellent ability to resist oxidation and wear at high temperature. Thermal stability of the weld deposit is a key feature that makes it able to withstand stresses developed due to thermal shock and thermal cycling.

### Applications:

Joining of various types of stainless steels, Ni-base alloys, dissimilar joints, especially austenitic to ferritic steel, reactor vessels, welding of joints in nuclear engineering, welding of cryogenic steels, anti-wear and anti-corrosion surfacing of furnace components, heat treatment furnaces and fixtures, making transition joints, gate valves in freon gas plants and similar applications.

### Procedure:

Clean weld area. Remove fatigued metal. Preheat is not necessary, unless very heavy sections are involved. This can be used with a short arc or contact. Use reverse polarity.

<b><u>Technical Data</u></b>	:	<b>SUPERALLOY 1750</b>		
Size (mm)	:	2.5	3.15	4.0
Recommended Welding Current (Amps)	:	60 - 80	80 – 120	110 – 150
Hardness (As deposited)	:	21 HRc.		
(Work hardened)	:	42 HRc		
Coating colour	:	Grey		
Tip colour	:	Silver		

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