

SUPERALOY 1001

Special alloy formulation designed to produce hard coating which resists “softening” at elevated temperature service combined with low coefficient of friction. Excellent weldability. Non Magnetic coating will not gall, score or seize in service. Ideal for applications involving metal to metal contact. Deposits can be ground to close tolerance to a smooth, highly polished finish.

Applications:

Can be used on steels, stainless steels, cast iron, nickel and nickel alloys. Recommended uses include all applications where frictional and abrasive wear are severe. Other applications include cams, screws, ceramic die cutters, patterns, dies, tools etc.

Procedure:

Clean surface by grinding, use the electrode on AC/DC+. Hold short arc and deposit stringer beads. Use back step and staggered welding sequence. Chip slag between passes.

Technical Data

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Hardness at 20 ⁰ C	:	RC 52-57	
Hardness at 600 ⁰ C	:	RC 42 (approx)	
Coating Color	:	Grey	
Tip Color	:	Dark Blue	
Size (mm), Ø	:	3.15	4.00
Recommended Welding Current (Amps)	:	70-100	90-120

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