

Exaton 16.5.1

Exaton 16.5.1 is a filler material for joining EN 1.4418 and similar steels; it is also used for overlay welding. The weld metal has excellent resistance to cavitation and is used typically for shafts, propellers, pumps and valves in for example, hydro power generation. It is used for SAW welding paired with Exaton Flux 15W.

Specifiche

Classificazioni	EN ISO 14343-A : S 16 5 1
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Tipo di lega	Austenitic/Martensitic/Ferritic - 16% Cr - 5% Ni - 1% Mo - Low C
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Proprietà tensili tipiche

Stato	Resistenza allo snervamento	Resistenza alla trazione	Allungamento
PWHT 4 hour(s) 590 °C	470 MPa	850 MPa	22 %

Proprietà prova Charpy con intaglio a V

Stato	Temperatura di prova	Valore tenacità
PWHT	20 °C	80 J

Typical Wire Composition %

C	Mn	Si	S	P	Ni	Cr	Mo	V	Al
0.01	1.4	0.3	0.009	0.015	5.5	16.2	1.0	0.04	0.006

Typical Wire Composition %

Cu	N	Nb	Ti	Co
0.01	0.02	0.01	0.01	0.03