

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.

Tekniska data

Klassificeringar	EN ISO 14343-A : S 16 5 1
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Legeringstyp	Austenitic/Martensitic/Ferritic - 16% Cr - 5% Ni - 1% Mo - Low C
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Typiska mekaniska värden

Villkor	Sträckgräns	Brottgräns	Förlängning
PWHT 4 hour(s) 590 °C	470 MPa	850 MPa	22 %

Slagseghetsdata Charpy V

Villkor	Provningsstemperatur	Slagseghet
PWHT	20 °C	80 J

Trådens sammansättning %

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

Trådens sammansättning %

Cu	N	Nb	Ti	Co
0.01	0.02	0.01	0.01	0.03