

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.

Specificaties

Classificaties	EN ISO 14343-A : S 16 5 1
Legering Type	Austenitic/Martensitic/Ferritic - 16% Cr - 5% Ni - 1% Mo - Low C

Typische Mechanische Eigenschappen

Conditionering	Rekgrens	Treksterkte	Rek
PWHT 4 hour(s) 590 °C	470 MPa	850 MPa	22 %

Kerfslageigenschappen

Conditionering	Testtemperatuur	Kerfslagwaarde
PWHT	20 °C	80 J

draad samenstelling

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

draad samenstelling

Cu	N	Nb	Ti	Co
0.01	0.02	0.01	0.01	0.03