

Shield-Bright 2507

Shield-Bright 2507 is an all-position stainless steel cored wire designed for welding duplex stainless steel resulting in beautiful beads with excellent slag removal. It can deposit metal of 25% Cr-9% Ni-3.5% Mo-0.25% N. Shield-Bright 2507 is used in duplex stainless steels such as UNS S32520, S32550, S32750, S32760, S32900, JIS 329J4L.

Specifications

Classifications	AWS A5.22 : E2553T1-G
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Typical Tensile Properties

Yield Strength	Tensile Strength	Elongation
100% CO₂		
628 MPa	863 MPa	28 %

Typical Weld Metal Analysis %

C	Mn	Si	S	P	Ni	Cr	Mo	N	Ferrite FN
100% CO₂									
0.03	1.10	0.55	0.008	0.010	9.5	25.0	3.75	0.22	40-65