

308S92

TIG (GTAW)

SOLID WIRE FOR TIG

PRODUCT DESCRIPTION

Solid wire for TIG

STAINLESS STEELS

CLASSIFICATIONS

AWS A5.9M	ER308L
ISO 14343-A	19 9 L
ISO 14343-B	SS308L
APPROVALS	TÜV

ASME IX QUALIFICATION

QW432	F-No 6
QW442	A-No 3

CHEMICAL COMPOSITION (WIRE WT %)

	C	Mn	Si	S	P	Cr	Ni	Mo	Cu	FN
Min.	--	1.0	0.30	--	--	19.5	9.0	--	--	3
Max.	0.025	2.0	0.65	0.020	0.030	21.0	11.0	0.3	0.3	12
Typical	0.01	1.7	0.4	0.01	0.015	20	10	0.1	0.15	10

ALL-WELD MECHANICAL PROPERTIES

As welded	Typical
Tensile strength [MPa]	605
0.2% proof strength [MPa]	465
Elongation (%) 4d	35
5d	33
Impact ISO-V(J) -130°C	110
-196°C *	80
Hardness cap/mid (HV)	200/220

* For applications requiring cryogenic toughness see data sheet B-37.

TYPICAL OPERATING PARAMETERS

Shielding gas	Current	Diameter (mm)	Parameters
Argon	DC-	2.4	100A, 12V

PACKAGING DATA

Diameter (mm)	Weight (kg)	Packaging	Item number
1.0	5	PE TUBE	T308S92-10
1.2	5	PE TUBE	T308S92-12
1.6	5	PE TUBE	T308S92-16
2.0	5	PE TUBE	T308S92-20
2.4	5	PE TUBE	T308S92-24
3.2	5	PE TUBE	T308S92-32

All information in this data sheet is accurate to the best of our knowledge at the time of printing. Please refer to www.specialalloys.eu for any updated information.