



PRODUCT DATA SHEET

STAINLESS STEEL TIG WIRE

316LSI TIG



SUMMARY

- > A stainless steel TIG wire
- > For joining 316, 316L grades
- > Shielding gas – Argon
- > Polarity – Dc -

CLASSIFICATION

- > AS/NZS ISO 14343-B-SS316LSI
- > AWS A5.9: ER316LSI

DESCRIPTION AND APPLICATION

Low carbon 19Cr/12Ni/2.5Mo type filler rod recommended for TIG or oxy-acetylene welding of 316 and 316L stainless steels. Recommended for general purpose welding of common 300 series stainless steels such as 302, 304 and 304L and ferritic stainless alloys including 410 and 430.

This TIG wire is ultra low carbon and higher silicon content which improves the fluidity of the filler metal during welding.

Suitable for joining 316, 316L grades. Suitable for 301, 302, 304, 304L stainless steels.

TYPICAL ALL WELD METAL CHEMICAL ANALYSIS

C	Mn	Si	Cr	Ni	Mo
0.01	1.50	0.92	18.60	11.60	2.60

TYPICAL ALL WELD METAL MECHANICAL ANALYSIS

Tensile Strength	600 MPa
Elongation	38%

PACKAGING DATA

WIRE SIZE (MM)	PACK SIZE AND TYPE	PART NO.
0.9	1kg packet	TIGSS316LSI09V
1.2	1kg packet	TIGSS316LSI12V
1.6	1kg packet	TIGSS316LSI16V
2.0	1kg packet	TIGSS316LSI20V
2.4	1kg packet	TIGSS316LSI24V
3.2	1kg packet	TIGSS316LSI32V

The information contained or otherwise referenced herein is presented only as "typical" without guarantee or warranty, and Weldwell expressly disclaims any liability incurred from any reliance thereon. Typical data is obtained when welded and tested in accordance with the AWS and or AS/NZS specification. Other tests and procedures may produce different results. No data is to be construed as a recommendation for any welding condition or technique by Weldwell.

Issue CA - May 2019