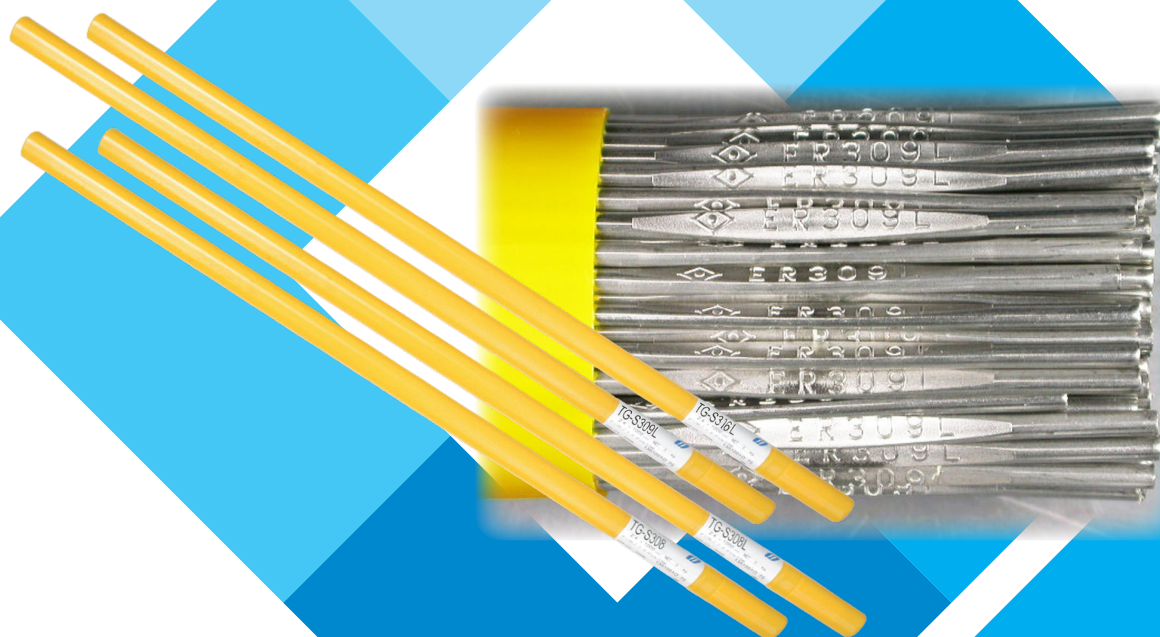


PREMIARC™ TG-S308 / TG-S308L , PREMIARC™ TG-S309L / TG-S316L

TIG Welding Rod for Stainless Steel



Application

Brand	Application
PREMIARC TG-S308	Suitable for 304 type of stainless steel
PREMIARC TG-S308L	Suitable for 304L type of stainless steel
PREMIARC TG-S309L	For dissimilar-metal joint and under laying on ferritic steels for overlaying stainless steel weld metals
PREMIARC TG-S316L	Suitable for 316L type of stainless steel



PREMIARC™**TG-S308 /****PREMIARC™****TG-S309L /****PREMIARC™****TG-S308L ,****PREMIARC™****TG-S316L****KOBELCO****Available sizes and unit weight**

Dimension (mm)	1.6	2.0	2.4	3.2
Length (mm)	1,000			
Weight / package (kg)	5			

T G - S 3 0 8 : A W S A 5 . 9 E R 3 0 8
 T G - S 3 0 8 L : A W S A 5 . 9 E R 3 0 8 L
 T G - S 3 0 9 L : A W S A 5 . 9 E R 3 0 9 L
 T G - S 3 1 6 L : A W S A 5 . 9 E R 3 1 6 L

Typical chemical composition of wire rod (%)

Brand	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
PREMIARC TG-S308	0.05	0.46	1.89	0.02	0.01	9.69	20.00	0.05	0.07
PREMIARC TG-S308L	0.01	0.43	1.86	0.02	0.01	9.95	19.85	0.05	0.07
PREMIARC TG-S309L	0.01	0.41	1.84	0.02	0.01	13.68	23.28	0.03	0.04
PREMIARC TG-S316L	0.01	0.41	1.74	0.02	0.01	12.29	19.22	2.19	0.11

Typical mechanical properties of all-weld-metal (Shielding gas: Argon)

Brand	0.2% OS (MPa)	TS (MPa)	El (%)	IV (J)
PREMIARC TG-S308	410	580	42	39 (-196U °C)
PREMIARC TG-S308L	420	590	45	78 (-196U °C)
PREMIARC TG-S309L	410	570	38	110 (0U °C)
PREMIARC TG-S316L	390	550	43	49 (-196U °C)

OS : Offset strength / TS : Tensile strength / El : Elongation / IV : Impact value

DISCLAIMER

• Information in this booklet such as chemical compositions and mechanical properties is typical or example for explaining the features and performance of our products, and it does not guarantee otherwise specified.
 • Information contained herein is subject to change without notice. Please kindly contact KOBELCO for latest information.

**For Technical Consultation, please contact Technical Service.****KOBELCO MIG WIRE (THAILAND) CO., LTD.****Head Office and Factory**

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