TEMPO B 70 S

Standards

TS EN ISO 18275-A	: E 55 6 2 NiMo BT 42 H5
EN ISO 18275-A	: E 55 6 2 NiMo BT 42 H5
AWS A5.5	: E 9018 - G H4

Chemical Composition of Weld Metal % (Typical)

C	Si	Mn	Ni	Mo
0.07	0.2	0.6	2.4	0.4

Mechanical Properties

Yield Strength (N/mm^2)	Tensile Strength (N/mm^2)	Impact Strength (ISO-V/-60°C)	Elongation ($L_0=5d_0$) (%)	Heat Treatment
min. 550	620-780	min. 47 J	min. 18	560-600°C / 1 h / 300°C (air)

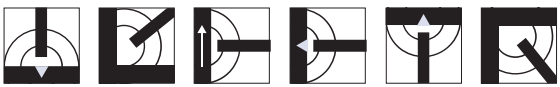
Typical Base Material Grades

- S380N-S500N, S355NH-S460NH, S380NL-500NL
- Fine grained, high alloyed steels and steel castings
- API 5L: X52, X56, X60, X65, X70

Features and Applications

- Suitability for use in welding of high-strength, fine-grained steels
- High ductility and high resistance to cracking obtained in welding fine-grained steels
- Suitability for use in welding of materials with service temperatures between -60°C and +350°C
- Requirement of re-drying for minimum 2 hours at the temperatures between 300°C and 350°C

Welding Positions



Current Type

D.C. (+)

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Welding Current (A)	Weight g / 100 pcs
3010100570	2.50 x 350	3/32 x 14”	80 - 110	2320
3010100573	3.20 x 350	1/8 x 14”	100- 140	3670
3010100576	4.00 x 450	5/32 x 18”	130 - 190	6790
3010100579	5.00 x 450	3/16 x 18”	190 - 240	10130

Approvals: CE, ABS, SEPRO