

DATA SHEET FOR WELDING CONSUMABLES

**BTS 70S3**



Type	: Gas Shielded Arc Welding Rods	
Standard	: EN 440 G 2 Si / AWS 5.18 ER 70 S-3	
Welding Position	: PA, PE, PF, PG	
Current Type	: D.C. (-)	
Dimensions and packaging:	Ø x l ( mm )	Weight (Kg)
	1.6x1000	5-15
	2.0x1000	5-15
	2.4x1000	5-15
	3.2x1000	5-15

Features
<ul style="list-style-type: none"> <li>• Welding of thin walled parts.</li> <li>• Root pass welding.</li> <li>• For making galvanized coating.</li> <li>• TIG welding of tubes and pipes.</li> </ul>

Chemical Composition of welding wire (%):										
	C	Si	Mn	P	Ni	Cr	Mo	S	V	Cu
(Typ)*	0.1	0.6	1.2	-	-	-	-	-	-	-
Mechanical Properties:										
Tensile Strenght N/mm <sup>2</sup> : 530-680										
Yield Strenght N/ mm <sup>2</sup> : min. 460										
Elongation (Lo=5 do) % : min. 24										
Impact Strenght (ISO-W -40 °C) : min. 47										
* : Typical wire composition										

Base Material	: S235J2G3, S355J2G3, P235T2, P355T2, L210NB, L290MB, L360MB
-	P235G1TH, P255G1TH, P235GH, P355GH, S235JRS1, S235J4S, S315G1S, S355G3S, P255NH, P355NH, GE200, GE300