

7024

HIGH PERFORMANCE WELDING ROD WITH POWDER IRON AND RUTHENIC COVERING FOR FAST, ECONOMICAL WELDS IN LOW CARBON STEEL. IT IS USED IN FLAT WELDS AND IN FILLET WELDS.

CLASSIFICATION A.W.S: E-7024

IDENTIFICATION: GREY COATING

APPLICATIONS: Among the possible applications of this welding rod are low pressure vessels, light steel structures, cargo cars, mining equipment and machinery, T-beams, H-beams and I-beams, thick steel plates, tilling machines, railway cars and bridges. Its slag is easy to remove and it usually peels off. This electrode helps to decrease costs since it reduces production time and consequently, labour time used in welding.

CHARACTERISTICS AND PROCEDURE: This is a welding rod with powder iron covering. It is specially suitable for fast, safe welds in low and medium carbon steel in flat position and in horizontal fillet welds. It has a balanced formula that gives it outstanding welding capabilities. Fusion is smooth and fast, high performance and with very little splatter. The resulting weld seam is optimal, pore and slag free and looks perfect, resembling those achieved with automated welding.

TENSILE RESISTANCE:	5,100 - 5,490 KG./CM2 (72,522 A 78,068 PSI)
ELASTIC LIMIT:	4,500 - 4,800 KG./CM2 (63,990 A 68,256 PSI)
ELONGATION IN 5 cm:	22-26%
IMPACT RESISTANCE:	N/A
BRINELL HARDNESS:	180 BHN.
POSITIONS:	FLAT AND HORIZONTAL
CURRENT:	AC or DC REVERSE POLARITY

FILLER METAL CHEMICAL ANALYSIS %					SIZES	AMPERAGE
C	Mn	P	S	Si		
0.08	1.10	0.03	0.03	0.40	3.25 mm - 1/8"	140-190
					4.0 mm - 5/32"	180-250
					5.0 mm - 3/16"	230-305