



PT. Bumi Teknik Utama
PROFESSIONAL INDUSTRIAL EQUIPMENTS

Jakarta
Semarang
Surabaya
Balikpapan



Product Catalog
2018 - 2019 *Version 2*



E

WELDING CONSUMABLES

Our Company

Established in 1968 as CV. Timur Raya, and later renamed to PT. Bumi Teknik Utama in 2004, with offices in Jakarta, Semarang, Surabaya, and Balikpapan. Our divisions are Welding Machines division, Welding Accessories division, Welding Consumable division, Tools & Power Tools division, Panel & Hand Tools, Retail division and Service & Support division.

In order to serve our customers better, we established Bumi Distribution Center in Cengkareng and we are planning to open more branches in different provinces and cities in the nationwide.

50 years of industrial experience and utilizing a strong backbone of the latest computerized system, such as online "SAP" ERP system, Business Intelligence and Bumi Intranet, give us the advantageous of fast working collaboration, knowledge, analyze and expertise that contributes greatly to the benefit of our customers.

As one of the fastest growing companies in the industry, we believe Human Capital is one of the company's main pillars. Which we pay lots of attention and investment in the recruitment and talent development program.

Our Customers : Metal Fabricators, Automotive Industry, Shipyard, Power Plant, Mechanical & Electrical, Oil, Gas, Mining and all related supporting Industries.

Our Products : High quality and reliable lifting, cutting, bevelling, grinding, welding, drilling, punching, bending, fastening and related products.



Our Vision : To be the leader in the professional industrial equipments by giving quality products and better after sales services.

Our Mission : To equip our Customers with reliable, durable and efficient Professional Industrial Equipments. Together with preventive and corrective services that fulfill the needs and expectations of our customers and business partners.

Our Core values :

- Treating our customers with respect and faith.
- We grow through creativity, invention and innovation
- We integrate honesty, discipline and commitment into all business aspects.

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CONTENT

Group Name	Brand	Item Name	Page
Welding Wire	KOBEWEL	Flux Cored Wire - E71T-1	E 1



Flux Cored - Welding Wire - E71T-1



- E71T-1 is an all-position rutile flux cored wire designed to be used with CO² gas. It can be used on all-position welds with both single and multiple pass welds on mild steel and low alloy steels
- It is widely used for shipbuilding, storage vessels, structural fabrication, machinery and piping, etc.

NOTE ON USAGE :

1. Use DC (+) polarity.
2. Maintain a higher welding speed in order to get enough penetration in the down hand welding position.

Standard Designation to :

AWS A5.20	E71T-1
JIS Z3313	YFW-C50DR
GB	E501T-1
ABS, BV, DNV-GL, LR, RINA, NK, CCS	

Average Analysis of Wire (wt%) :

Weld Metal Analysis :

Carbon (C)	≤ 0.18
Manganese (Mn)	≤ 1.75
Silicon (Si)	≤ 0.90
Phosphorus (P)	≤ 0.030
Sulphur (S)	≤ 0.030

Mechanical Properties of all-weld metal

Yield Strength	≥ 375 N/mm ²
Tensile Strength	490 - 660 N/mm ²
Impact Strength (IV) (-20°C)	78 J min
Elongation	≥ 22 %

Suggested Welding Parameters

Parameter	Diameter 1.2
Voltage (Volt)	25 ~ 40
Current (Amp)	130 ~ 300
W.F.S. (cm/min)	460 ~ 1000
Stickout (mm)	15 ~ 20
Flow Rate (l / min)	15 ~ 25

Certificate



Lloyd's Register



ABS



Det Norske Veritas



Bureau Veritas



RINA



Nippon Kaiji Kyokai



China National Accreditation of Registrars



China Classification Society

Item Code	Item Name	Pack	Roll	Kg
301.01.001	Flux Cored Wire E71T-1, Ø 1.2 mm	1 box	1 roll	15 Kg
		1 pallet	72 rolls	1080 Kg

NOTES

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.

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