



**WELDING OEM EXPERT**

**OEM EXPERTO EN SOLDADURAS**



# TecMig (TM WELDING (WUHAN) CO.,LTD)

an **ISO9001** approved manufacturer, offering a complete range of welding rods & welding wires, annual production capacity is **50,000 Tons**. They are manufactured & tested according to **AWS & EN ISO & AS/NZS** standards and main products are **CE / UKCA / CPR** approved.

TecMig has been manufacturing for international welding materials manufacturers, professional welding companies and comprehensive tools & hardware supermarkets under their private brands for almost **30 years**. And our team helped many international companies to start their own welding materials brands from zero and witnessed their growth and successes.

This is why TecMig is called **“The unsung hero behind many international welding brands”**.

## Factory Pics





# International Approvals:



# International exhibitions we attend:







# 100% Replacement Guarantee

\*\*\* If mass products proven not compliant with AWS standards  
or different from the samples we provided before



# TecMig Better Quality Comes From:

## 1, Advanced Formulas:

Technologies from Japan or top manufacturers in China

<b>E6013 VD</b> ● Excellent vertical down welding performance // Top #92 Australian rutile used Stronger arc force increases welding efficiency	SFA/AWS A5.1 E6013 ISO2560-A-E38 0 R1 11 GB/T 5117 E4313
<b>E6011 Super Arc</b> ● ● High current welding capability (135A for 3.2mm) German cellulose "Arbocell®"	SFA/AWS A5.1 E6011 ISO2560-A-E38 0 C 2 1 GB/T5117 E4311
<b>E7018 Super Arc</b> ● 30% iron powder used brings higher deposition rate Special alloy improves re-arc performance & toughness of bead	SFA/AWS A5.1 E7018 ISO2560-A-E42 3 B 1 2 GB/T5117 E5018
<b>ENi-CI</b> ● Ni99, machinable bead with higher Ni content (≥96%) Easy slag removal	SFA/AWS A5.15 ENi-CI ISO 1071-E C Ni-CI 1 GB/T10044 EZNi-1
<b>ENiFe-CI</b> ● Ni55, non-machinable bead with higher Ni content (≥53%) Easy slag removal	SFA/AWS A5.15 ENiFe-CI ISO 1071-E C NiFe-CI 1 GB/T10044 EZNiFe-1

TecMig E7018 Bead  
and Slag removal



Very easy slag removal of  
Ni55 & Ni99





## 2, Selected Raw Materials:

Wire rods: Makes 75% - 95% of the welding rods & wires

From major manufacturers in China with controlled Sulphur / Phosphorus content to minimize crack possibility



Rutile: The key of high quality welding rods & flux cored wires

**Australian Rutile** with 85-95% TiO<sub>2</sub> to ensure good weldability & vertical down position welding performance



Cellulose: the most important material for E6010 & E6011 manufacturing

**German cellulose** (Arbocel®) with better anti-heat performance available so our E6011 can weld at higher current (135A for 3.2mm) and higher efficiency





### 3, TecMig Quality Management:



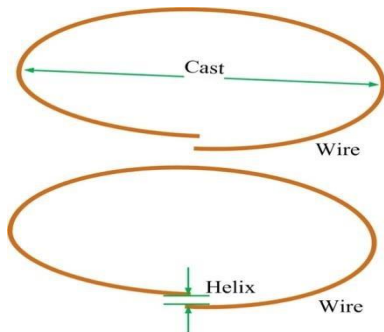
Experienced workers inspecting the eccentricity of welding rods which is very important for stability of arc.  
Frequency: all the time



2 Workers picking out those rods with damages in the coating to ensure each piece of rods perfect  
Frequency: all the time



Weldability testings carried out to ensure good welding performance of each batch.  
Frequency: Each batch



Testing of helix & cast of the wires to ensure good feedability  
Frequency: each bobin



Testing of cooper coating thickness ( $\approx 0.2\mu\text{m}$ ) / firmness / evenness with microscope ( $\times 40$ )  
Frequency: each batch




Mechanical properties & chemical composition testings to ensure all products comply with AWS standards.  
Frequency: each batch

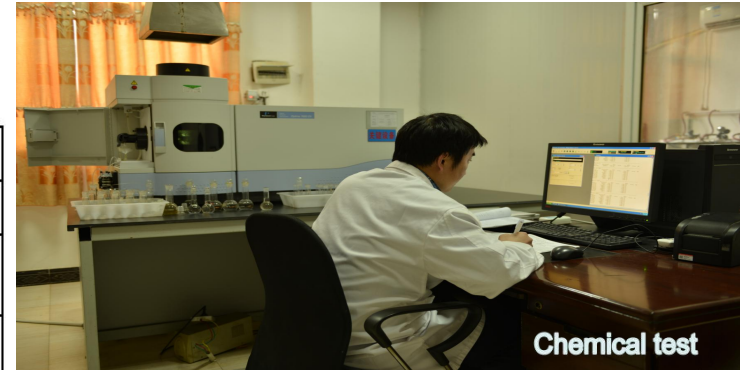


## 4, Batch Testings:

Weldabilities / Mechanical properties / Chemical compositions tested according to AWS / EN ISO standards  
Mill Test Certificate will be issued for each batch of products

TecMig The pro's choice		MILL TEST CERTIFICATE										
EN 13479:2004												
Our Inv. (Ref) No. 8206483	DATE OF ISSUE Aug 7, 2024	CERT NO. 24080701										
Produced By: TM Welding (Wuhan) Co.,LTD	Consigned To:											
BRAND MARK TRUPER	CLASSIFICATION: AWS A5.1 E6013											
PART NO. 14360	BATCH NO. 8206483	DIA./PACK 2.5mm*350mm*1kg	NET WEIGHT 21120 KGS									
			MFG. DATE Aug 7th, 2024									
CHEMICAL COMPOSITION												
ACUTAL VALUES ACC. EN10204 3.1												
REQUIREMENT	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	Nb	Fe
BATCH NO	≤0.20	≤1.00	≤1.20	≤0.040	≤0.010	≤0.30	≤0.20	≤0.30	≤0.08	~	~	
8206483	0.029	0.35	0.48	0.010	0.0083	0.011	0.021	0.008	0.004	~	~	
MECHANICAL PROPERTIES												
STANDARDS	TENSILE STRENGTH (MPa)		YIELD STRENGTH (MPa)		ELONGATION (%)		IMPACT VALUE (J @0°C)					
	≥430		≥330		≥22		≥27					
BATCH NO.												
8206483	462		390		24.5		67 76 70					
REPORTED STRENGTH VALUES ARE STATISTICAL DATA DERIVED FROM ROUTINE TESTING OF THE ITEM IN QUESTION.												
This is to certify that the welding consumable conforms to the above standard.												
ISSUED BY:	FUNCTION:		DATE:									
	QA MANAGER		Aug 7, 2024									

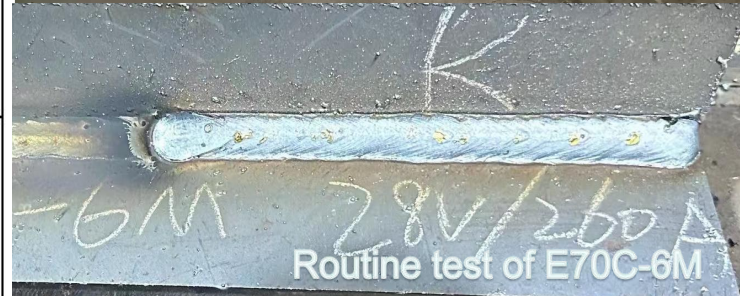
ADD: 305 of B4, Financial Harbor, East Lake High Tech Development Zon, Wuhan430000, China



Chemical test



Mechanical test



Routine test of E70C-6M



















































## 5, Consisitent Improvements:

TecMig always research in international brand products like:

**ESAB / KOBELCO/ INDURA/ AGA/ NIHONWELD/ WIPWELD/LINCOLN/ YAWATA**

So we can always improve our products

 6013 7018 Royal Askaynak Magnum Hyun...	2024/3/13 21:52	 7016 Hydrogen Test TecMig	2025/6/10 15:37
 6013 TM VS ESAB	2024/3/13 21:53	 7018 Hydrogen Test TecMig	2024/9/2 8:51
 6013 VD TecMig Vs Powerweld	2024/7/17 10:33	 Bauker & TecMig E6011	2024/4/26 10:51
 Cast Iron rods - Ocean weld & YH & JT	2024/9/2 13:59	 Bauker & TecMig E7018	2024/4/26 10:58
 Dengfeng welding rods	2024/3/13 21:52	 BESTER 6013 & TecMig E6013VD	2024/10/30 12:00
 E70C-6M Testing	2024/3/13 21:53	 E7016 (Sample TECMIG ) 16012025 jan 2025	2025/1/17 15:43
 E70C-6M Testing pics	2024/3/13 21:53	 GEMINI E6013 & Tecmig E6013LF	2024/8/23 11:48
 E71T-1 Test	2024/3/13 21:53	 MH & Tecmig E6011	2024/4/11 16:43
 E71T-1 Weldability YH & LT & FRN	2024/3/13 21:52	 MOST 6013 & Tecmig E6013LF	2024/10/30 8:54
 E71T-11 Test	2024/3/13 21:53	 Nantong YANGWEI Steel Electrode E6011-...	2025/6/3 11:49
 E6011	2024/3/13 21:53	 NIHONWELD -TECMIG-SOUDOWELD E6011	2025/5/21 10:00
 E6011 Ocean weld & TecMig	2024/12/17 16:57	 PIR.TEC SPO 6013 & Tecmig E6013VD	2024/11/11 11:04
 E6011 TM Vs E6013-B	2025/6/27 9:57	 PIR.TEC STN 6013 & Tecmig E6013LF	2024/11/11 10:55
 E6013 Comparision with Atlantic	2024/3/13 21:53	 RD-26 & Tecmig E6013VD	2024/8/23 11:38
 E6013 Normal LF VD Type	2024/3/13 21:53	 Royal & Tecmig E6011	2024/4/11 16:43
 E7018 New Formula Japan	2025/6/9 17:23	 Royal & Tecmig E7018	2024/4/11 16:43
 EM70C-6M H4 Video	2025/6/27 9:57	 SOLWELD & Tecmig E6011	2024/4/11 16:43
 ER70S-6 Solid welding wire test	2024/3/13 21:53	 TECMIG & STONE BRIGE E6013	2024/5/21 15:56
 FRN & YC & FRM SS FCAW	2024/3/13 21:51	 TecMig E71T-11 VS International brand	2024/10/30 18:32
 INDURA ESAB AGA INFER E6011	2024/3/13 21:51	 Tianqiao 6013 & Tecmig E6013	2024/11/5 10:32
 INDURA ESAB TECMIG E7018	2024/3/13 21:51	 SS Rod HN - YH - JT	2025/2/8 9:07
 INFRA Product test	2024/3/13 21:51	 TQ 6013 & Tecmig E6013	2024/11/4 16:23
 SS & Cast iron Powerweld & TecMig	2024/6/24 15:07	 TQ 7018 6011 & Tecmig 7018 6011	2024/11/4 16:15
 SS FCW (Gas type and gasless)	2024/3/13 21:51	 XG 6011 Test	2022/3/15 20:08

Test reports can be offered on your requests



# Various Packaing Options Available:

To cater for different demands from different customers



150/250/350kg Drum Wires



25-250kg Coil SAW wires



K450 SAW Wires



Tig rods 5kg square tube



Welding Rods  
2kg Plastic Tube



Vacuum & Shrink Wrap  
for Spool Wires



1kg Cast Iron Vacuum Pack



Mig wires 1kg Clamshell



Welding Rods  
10 pcs Clamshell



Welding Rods  
1kg Plastic Bag



Welding Rods  
0.5kg Square Tube



Tig Rods 1kg  
Hanging Tube



Welding Rods Vacuum Pack





**Starting your private brand welding business  
with TecMig is so easy !!!**



# Just replace “TecMig” with your private brand




**STEEL ELECTRODES**

**E6013**

**3/32" (2.5mm)**

**AWS A5.1**

**Net Weight: 5kg**

**Description:**  
 Low fume type general purpose rutile welding electrodes for welding of low carbon steel structures;

**Features:**  
 30% less welding fume;  
 Excellent bead appearance with easy slag removal; All positional welding; Ideal for machines with low open circuit voltage;

**OPERATING CURRENT:** AC/DC + 70-105A





# Just replace “TecMig” with your private brand on TecMig’s full sets of professional docs to make your own docs



GP ROUTE TYPE STEEL WELDING ROD

E6013 LF



SIZE

AMPS

2.5mm

60-90A

3.2mm

80-130A

4.0mm

150-190A

5.0mm

180-250A

TecMig

The pro's choice

BEST SELLER

CE

ISO 9001

CLASSIFICATION

AWSA5.1 E6013  
EN ISO2560-A E38 0 R 1 2

PACKING SPECIFICATION

\*1kg PE bag  
\*5kg Cardboard Box

CURRENT TYPE

AC/DC+

CHEMICAL COMPOSITIONS (Wt%), ALL WELD METAL, TYPICAL

C	Mn	Si	S	P
0.05	0.36	0.23	0.012	0.015

MECHANICAL PROPERTIES, ALL WELD METAL, TYPICAL

Condition	Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)	Charpy V notch (J)
AW	435	485	28	-30°C 72



Note: ① Re-dry it at 150°C for 50-60 minutes if it is damp.

TYPICAL APPLICATIONS

1. Sheet metal  
2. General Fabrication

CHARACTERISTICS

1. Medium to shallow penetration  
2. 1. 45% high content of #85 ensures better weldability  
3. Can weld galvanized steel

AVAILABLE SIZES (DIA./LENGTH)

2.5mm\*350mm  
3.2mm\*350mm  
4.0mm\*400mm  
5.0mm\*400mm

EQUIVALENT TO

Lincoln Fleetweld 37  
Esab Sureweld 6013  
Hyundai S-6013.LF  
Kiswel KR-3000  
Indura 6013

## Data Sheet

Technical Data Sheet

TecMig

The pro's choice

Safety Data Sheet  
(SDS)

In accordance with GHS Rev.6 and The EU CLP REGULATION(EC)No 1272/2008

Product information:

Product name: MILD STEEL WELDING ELECTRODES  
Supplier: TM Welding (Wuhan) Co.,Ltd  
Issue Date: 06/07/2023

Test Requested:

As specified by the client, to edit Safety Data Sheet(SDS) for the submitted sample.

Page 1 / 7

Report No: 23WXPD02601

## MSDS/ SDS

Material Safety Data Sheet

TecMig

The pro's choice

MILL TEST CERTIFICATE

EN 13479:2004

Our Inv. (Ref) No.

8206483

DATE OF ISSUE

Aug 7, 2024

CERT NO.

24080701

Produced By:

TM Welding (Wuhan) Co., LTD.

Consigned To:

BRAND MARK

TRUPER

CLASSIFICATION:

AWSA5.1 E6013

PART NO.	BATCH NO.	DIA/PACK	NET WEIGHT	MFG. DATE
14360	8206483	2.5mm*350mm*1kg	21120 KGS	Aug 7th, 2024

CHEMICAL COMPOSITION

REQUIREMENT	C	Si	Mn	P	S	Ni	Cr	Mo	V	Cu	Nb	Fe
BATCH NO.	8206483	0.029	0.35	0.48	0.010	0.0083	0.011	0.021	0.008	0.004	-	-

MECHANICAL PROPERTIES

STANDARDS	TENSILE STRENGTH (MPa)	YIELD STRENGTH (MPa)	ELONGATION (%)	IMPACT VALUE (J @0°C)	
BATCH NO.	8206483	462	390	24.5	67 76 70


REPORTED STRENGTH VALUES ARE STATISTICAL DATA DERIVED FROM ROUTINE TESTING OF THE ITEM IN QUESTION.

This is to certify that the welding consumable conforms to the above standard.

ISSUED BY:

FUNCTION:

DATE:



QA MANAGER

Aug 7, 2024

ADD: 306 of B4, Financial Harbor, East Lake High Tech Development Zone, Wuhan 430085, China

## MTC

Mill Test Certificate



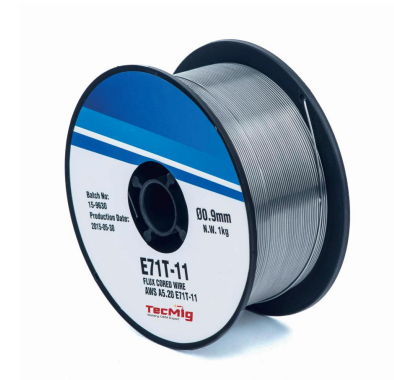
# Value Added Service:

## 1, Welding rods sample bags with your own brand

1000 pcs of plastic bag with your private brand for rods samples


















## 2, High quality products photos for posters or website use





### 3, PSI Service:

In-house or 3rd party preshipment inspection

名称	修改日期	类型	大小
 26593 111570 Master Carton sticker	2025/3/13 9:49	JPG 图片文件	3,347 KB
 26593 111573 Inner box sticker	2025/3/13 9:46	JPG 图片文件	3,146 KB
 26593 111573 master carton sticker	2025/3/13 9:47	JPG 图片文件	3,383 KB
 26593 111571 Inner box sticker	2025/3/13 9:47	JPG 图片文件	2,979 KB
 26593 SF-13 VENDOR SELF-INSPECTION R...	2025/3/12 14:36	XLS 工作表	30,818 KB
 26839 111573 Master Carton Sticker	2025/3/13 9:46	JPG 图片文件	2,660 KB
 26839 SF-13 VENDOR SELF-INSPECTION R...	2025/3/12 14:36	XLS 工作表	26,250 KB
 Cored Wires Test Report 26593	2025/3/12 9:44	WPS PDF 文档	120 KB
 Cored Wires Test Report 26593	2025/3/11 19:06	XLSX 工作表	115 KB
 Cored Wires Test Report 26839	2025/3/12 9:44	WPS PDF 文档	120 KB
 Cored Wires Test Report 26839	2025/3/11 19:06	XLSX 工作表	115 KB
 Electrodes Test Report 26593	2025/3/12 9:44	WPS PDF 文档	119 KB
 Electrodes Test Report 26593	2025/3/11 19:06	XLSX 工作表	114 KB
 Electrodes Test Report 26839	2025/3/12 9:44	WPS PDF 文档	111 KB
 Electrodes Test Report 26839	2025/3/11 19:06	XLSX 工作表	107 KB



# Flexiable Payment Terms:

1, T/T: 30% deposit + 70% balance payment before container arrival

Better than many other suppliers in China as we allow late 70% payment for 7-60 days

2, Irrevocable L/C at sight

Improve cash flow for buyers

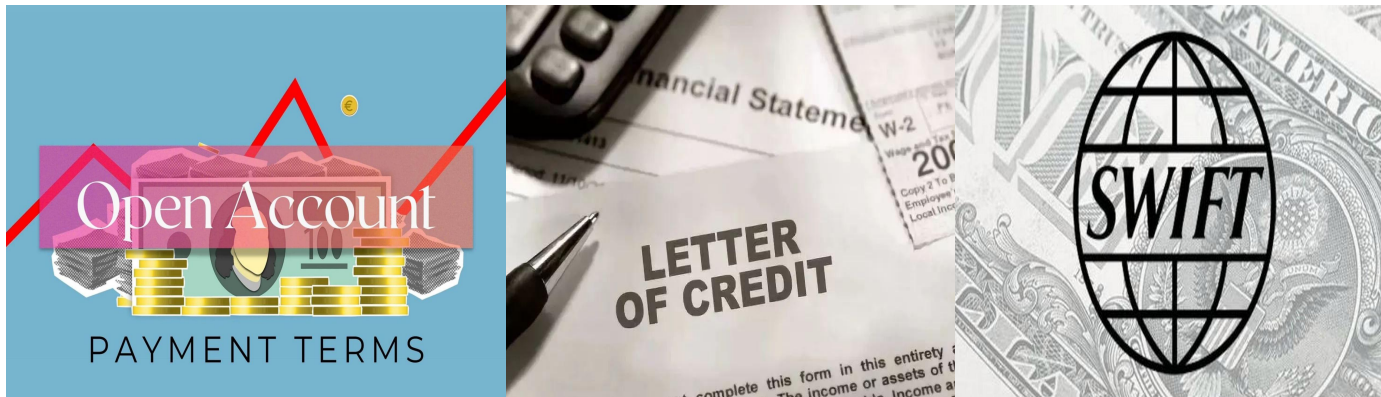
USD10 per Ton extra cost

3, Irrevocable L/C 60 days

Improve cash flow for buyers

5% extra costs

4, DP / Trust Receipt and more





**Professional products and services**  
are what TecMig is always seeking after