

# **HYPER** **ARC**™ **16TC**

**SUPERIOR WELDING ELECTRODES**

LE CRUSHER  
A-PAGOS

**NOT ALL ELECTRODES  
ARE MADE EQUAL.**

**UNIMIG®**

# HYPERARC™ 16TC

## SUPERIOR WELDING ELECTRODES

Not all electrodes are made equal. Our all-new twin coated HYPERARC 16TC™ Low Hydrogen Electrode offers total performance and features excellent arc stability, low spatter levels and easy slag removal. Suitable for structural, earth moving equipment, maintenance, and piping. The Hyperarc 16TC electrode will cover every job you need where quality and performance matter.

### FEATURES

### BENEFITS

✓ High arc stability	• Focused stable Arc
✓ Easy arc strike and restrike	• Easier to use
✓ All positional (except vertical down)	• Positional versatility
✓ Easy slag removal	• Less clean-up
✓ Low spatter	• Less downtime
✓ Smooth bead appearance	• Professional results
✓ High arc force	• Increases penetration
✓ Vacuum sealed packaging	• Reduces contamination and wastage



## TWIN-COAT TECHNOLOGY

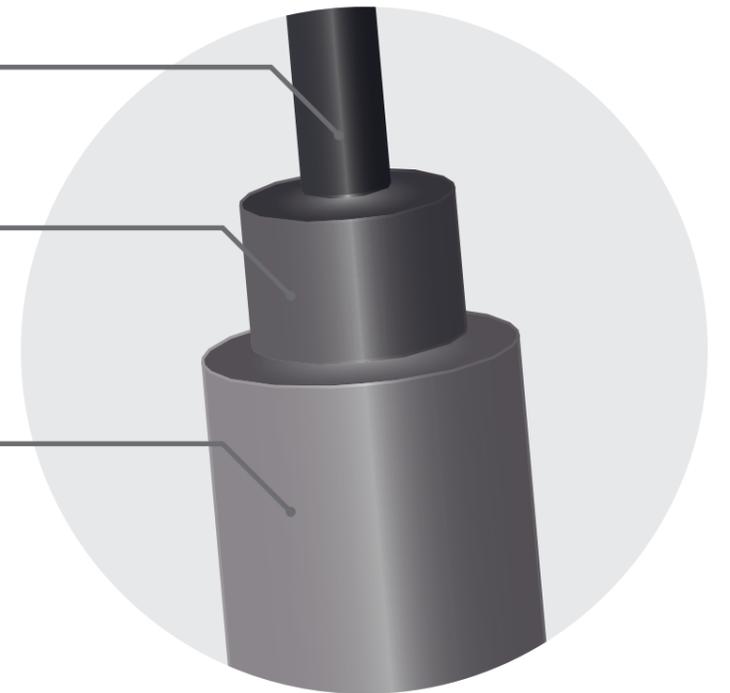
**CORE WIRE**

**INNER LAYER**

The inner layer provides the stability and focus of the arc.

**OUTER LAYER**

The outer layer provides the shielding layer that protects the arc.



**STANDARD SINGLE COATED ELECTRODE**

- Less concentrated arc.
- Less arc force.
- Less stability at lower currents.



**HYPERARC 16TC™ TWIN-COATED ELECTRODE**

- ✓ Superior arc stability.
- ✓ Easy strike and restrike.
- ✓ Greater stability at lower currents.



## ALL POSITIONAL (EXCEPT VERTICAL DOWN)

The HYPERARC 16TC is a very versatile electrode as its all positional (except vertical down) making it the perfect electrode when on site or when positional and procedural requirements call for quality welds in different environments.



## EASY RELEASING SLAG

The slag on the HYPERARC 16TC is easily removed, it forms with the glassy appearance only a true twin coated electrode can provide. This means less clean up, a better presented bead profile as well as less downtime.



## VACUUM SEALED

Each packet of HYPERARC 16TC's comes vacuum sealed and supplied in 2kg packets. This ensures the electrodes are dry and ready to use straight out of the packet, as well as reducing wastage in unused electrodes.



## EASY RE-STRIKE

The Hyperarc 16TC is an easy striking electrode, re strikes are just as easy. Easy arc striking assists beginners and seasoned welding professionals taking away the frustration of hard to strike electrodes.



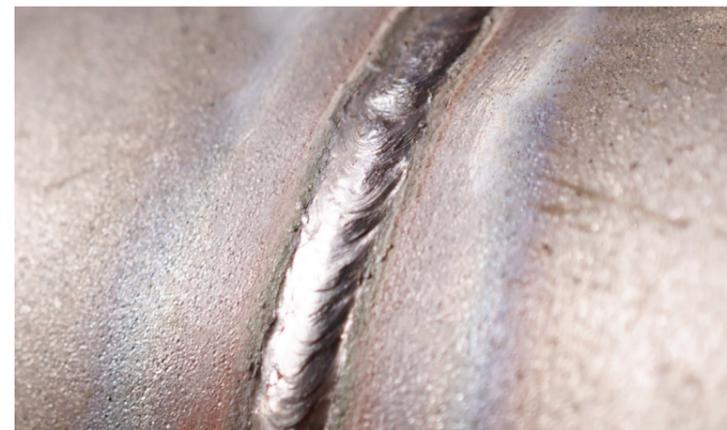
## AC AND DC COMPATIBLE

Adding to their versatility the HYPERARC 16TC is compatible with both AC and DC power sources. This ensures that whatever machine you are taking on site you will be able to weld comfortably knowing the electrodes have capabilities to be used with both.



## LOW HYDROGEN - 7016

The Hyperarc 16TC twin coated electrode is a 7016 Low Hydrogen electrode. You can rest assured that it has been tested and meets all the requirements and standards. Certified to AS/NZS ISO 4855: B E4916 A U H10 and AWS A5.1: E7016.



## LOW SPATTER

The HYPERARC 16TC produces welds that are clean and produce minimal spatter. This adds to a smoother bead appearance and less downtime due to cleaning away slag and spatter.

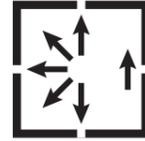


## USE ON LOW AMPS

The Hyperarc 16TC has a very stable and concentrated arc, this assists in maintaining a focused arc at high and even low amperage settings. Low amperage settings are where it's harder to maintain a stable arc. The Hyperarc 16TC will give you the consistent arc you require to get the job done.

# HYPERARC 16TC™

7016 TWIN-COATED LOW-HYDROGEN ELECTRODE



## SUMMARY

- ✓ Excellent arc stability
- ✓ High penetration
- ✓ Less spatter and easy releasing slag
- ✓ Concentrated arc



## CLASSIFICATION

- ✓ AS/NZS ISO 4855: B E4916 A U H10
- ✓ AWS A5.1: E7016

## APPROVALS

- ✓ Lloyds Register of Shipping
- ✓ ABS
- ✓ DNV

## DESCRIPTION

The HYPERARC 16TC is a Twin Coated 7016 Low Hydrogen electrode. With its all positional capabilities (except vertical down) it is the optimum choice when high quality welding is required.

## OPERATING DATA

ELECTRODE SIZE (MM)	ELECTRODE LENGTH (MM)	CURRENT RANGE
2.6	350	50-90A
3.2	350	80-130A
4.0	400	110-180A

## TYPICAL CHEMICAL COMPOSITION (%)

C	Mn	Si	P	S
0.060	0.804	0.411	0.023	0.016

## TYPICAL MECHANICAL ANALYSIS

Yield Stress	470 MPa
Tensile Strength	583 MPa
Elongation	29%
Impact Test	93J @ -20°C

## TYPICAL APPLICATIONS

- ✓ Structural Steel Fabrication
- ✓ Pressure Vessel welding
- ✓ Pipe welding
- ✓ Repair work for Agriculture and machinery
- ✓ Earthmoving equipment repairs
- ✓ Layering, "Buttering"

## PACKAGING INFO

ELECTRODE SIZE (MM)	WEIGHT (KG)	SKU
2.6	1kg (Handy Pack)	U63006
2.6	2kg (Vacuum Seal)	U63008
3.2	1kg (Handy Pack)	U63007
3.2	2kg (Vacuum Seal)	U63009
4.0	2kg (Vacuum Seal)	U63010



The information referenced on this page is based on typical weld data without guarantee or warranty, UNIMIG will not be liable for any reliance on this data. For detailed product data, refer to the relevant batch certificate available from UNIMIG.



**HEAD OFFICE:**

112 Christina Rd,  
Villawood NSW 2163

PH: (02) 9780 4200  
FAX: (02) 9780 4210

EMAIL: [sales@unimig.com.au](mailto:sales@unimig.com.au)

**QLD OFFICE:**

180 Kerry Rd,  
Archerfield QLD 4108

PH: (07) 3333 2855  
FAX: (07) 3274 5829

EMAIL: [qld@unimig.com.au](mailto:qld@unimig.com.au)

**VIC OFFICE:**

91 Yellowbox Dr,  
Craigieburn VIC 3064

PH: (03) 8682 9911  
FAX: (03) 9333 7867

EMAIL: [vic-sales@unimig.com.au](mailto:vic-sales@unimig.com.au)

**WA OFFICE:**

26 Sustainable Ave,  
Bibra Lake WA 6163

PH: (08) 6363 5111  
FAX: (08) 9417 4781

EMAIL: [wasales@unimig.com.au](mailto:wasales@unimig.com.au)