

CIGWELD

AN **ESAB** BRAND

WeldSkill 16HS

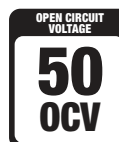
“ WeldSkill Electrode
handy-packs for all of
your smaller projects ”

FEATURES

- Fully Basic Hydrogen Controlled E4816 / E7016 Type Electrode
- Excellent Operator Appeal in All Positions
- Ideal for Fill and Capping Passes
- Excellent Impact Toughness to -30°C



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WELDSKILL 16HS

WELDSKILL 16HS is a basic, hydrogen controlled electrode that deposits weld metal in the 550MPa class. It gives excellent operator appeal in all welding positions, except vertical-down and exhibits a smooth, penetrating arc with excellent bead appearance and shape. The full covering slag is easy to control and remove. WELDSKILL 16HS is a versatile hydrogen controlled electrode, giving excellent all round arc performance and reliable impact toughness to -30°C.

WELDSKILL 16HS is designed for fillet and butt welding jobs where “hydrogen control” is required and the emphasis is on operator appeal. It is also recommended for more critical applications where low temperature impact toughness to -30°C is required.

Typical applications include pressure vessel fabrication, bridge and ship building and equipment repair and maintenance work.

CLASSIFICATIONS

AS/NZS 4855: B E4916 U A H10
AWS/ASME-SFA A5.1: E7016 H8.

SPECIFICATIONS

Diameter (mm)	Current Range (amps)	
	Min	Max
2.5 & 3.2	90	130

TYPICAL MECHANICAL PROPERTIES

Yield Stress	480 MPa
Tensile Strength	570 MPa
Elongation	25%
CVN Impact Values	125J av @ -20°C 100J av @ -30°C

TYPICAL ALL WELD METAL ANALYSIS

C: 0.08% Mn: 1.10% Si: 0.65% S: 0.009% P: 0.019%

TYPICAL DIFFUSIBLE HYDROGEN LEVELS TO AS3752

5.0 - 6.0 mls of hydrogen / 100gms of deposited weld metal*

* Reconditioned for 2 hours maximum @ 300°C.

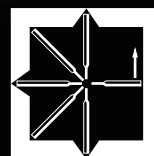
FEATURES

WeldSkill 16HS Welding Electrodes

- Fully Basic Hydrogen Controlled E7016 Type Electrode.
- Excellent Operator Appeal in All Positions.
- Ideal for Fill and Capping Passes.
- Excellent Impact Toughness to -30°C.

ORDERING INFO

Part No.	Size	Pack Size	Carton
WEL0225	2.5mm	20 rods	20 x 20 rods
WEL1025	2.5mm	1kg	12kg - 12 x 1kg
WEL0232	3.2mm	15 rods	20 x 15 rods
WEL1032	3.2mm	1kg	12kg - 12 x 1kg



All positional -
except vertical
down welding



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In the interest of continuous improvements, CIGWELD Pty Ltd ABN 56 007 226 815 (An ESAB Brand) reserves the right to change specifications or design on any of its products without prior notice.

WE RECOMMEND GENUINE CIGWELD PRODUCTS

BIGGEST RANGE, BEST QUALITY & GUARANTEED PERFORMANCE

