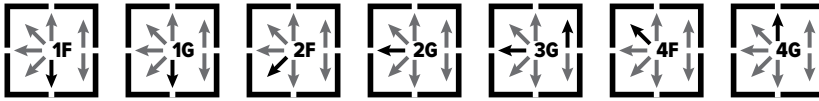


LOW-HYDROGEN

HYPERARC 7018



Summary

HYPERARC 7018 is a hydrogen-controlled iron powder electrode developed for all-position welding, excluding the vertical down position. Its formulation supports high deposition rates, making it suitable for applications that require significant weld buildup.

Typical Applications

- Construction and infrastructure projects
- Shipbuilding and marine component fabrication
- Heavy industrial machinery and equipment
- Storage tanks and pressure vessel manufacturing
- Power generation structures
- Pipeline fabrication and repair
- Offshore platforms and structures
- Structural framework in architectural projects

Classification

- AS/NZS 4855: B - E49 18 A U H4

Standards

- AWS/ASME SFA5.1: E7018
- AS/NZS 4855: B-E49 18A U H4
- AWS A5.1 E7018-1

Approvals

- Lloyds Register of Shipping
- ABS
- DNV

Packaging Info

SKU	ELECTRODE SIZE	WEIGHT	DESCRIPTION
U63011	2.6mm	2kg	HYPERARC 7018 LOW-HYDROGEN ELECTRODES 2.6MM 2KG
U63012	3.2mm	2kg	HYPERARC 7018 LOW-HYDROGEN ELECTRODES 3.2MM 2KG
U63013	24.0mm	2kg	HYPERARC 7018 LOW-HYDROGEN ELECTRODES 4.0MM 2KG

Operating Polarity

- AC & DCEP

Operating Data

ELECTRODE SIZE	WELDING CURRENT RANGE
2.6mm	50A-90A
3.2mm	80A-130A
4.0mm	110A-180A

Typical Chemical Composition (%)

C	Mn	Si	P	S
0.070	1.490	0.240	0.023	0.009
Ni	Cr	Mo	V	
0.020	0.060	0.009	0.009	

Typical Mechanical Analysis

YIELD STRENGTH	518
TENSILE STRENGTH	592
ELONGATION	29
TEST TEMP. (°C)	-45
ABSORBED ENERGY	109