

PRODUCT DATA SHEET

Afrox Cobalarc 9

Afrox Cobalarc 9 is a complex carbide type hardfacing electrode containing molybdenum and vanadium. The deposited weld metal consists of primary carbide needles in a matrix of carbide/austenite eutectic. The material is highly resistant to abrasive wear with high-impact loading. The electrode is suitable for use in the downhand position only, deposits relief check and should be limited to two layers only.

Applications

Cobalarc 9 is suitable for use on railway tampers, sizing screens, dredger buckets and lips, augers, rolling mill guides and pump impellers.

Classifications

DIN	8555	E10-UM-60-GP (nearest)
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Typical Chemical Analysis (All weld metal)

% Carbon	4,0 - 5,0	% Chromium	25,0 - 29,0
% Manganese	1,0 - 1,5	% Molybdenum	2,0 min
% Silicon	1,5 max	% Vanadium	1,0 max

Typical Hardness

Matrix	55 - 65 HRc
Carbides	1 500 HV

Packing Data

(AC DC+/- 70 OCV min)

Diameter (mm)	Electrode Length (mm)	Current (A)	Pack Mass (kg)	Item Number
3,15	350	100 - 145	5,0	W075593
4,0	450	160 - 200	5,0	W075594
5,0	450	160 - 240	5,0	W075595

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For more information contact the Aprox Customer Service Centre Tel: 0860 02 02 02
E-mail: customer.service@afrox.linde.com Website: www.afrox.com

