

Finalloys

The Final Welding Solution



**TOUGH BUILD UP
ALLOY FOR STEELS
OFFERING SUPERIOR
COMPRESSION AND
IMPACT RESISTANT
HFC - 443**

FINALLOY HFC - 443 AC - DC (EITHER

SPECIAL FEATURES

- SUPER TOUCH YET-FULLY MACHINABLE ALLOY.
- NON-CRACKING EVEN ON THIK BUILD UPS.
- HIGHEST COMPRESSIVE STRENGTH
- NO SPATTER NON-POROUSDEPOSIT.

**INTERNATIONAL
SPECIFICATIONS**

**NONE APPLICABLE TO THIS
PROPRIETARY PRODUCT**

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*The
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PRODUCT OF USA

APPLICATIONS

- Building up gears.
- Building up shafts.
- Overlaying skip-hoist cable sheaves.
- Sludge pump shafts.
- Building up drilling rig clutch face.
- Chain sprockets.
- Ni-hard slurry pumps & shells.

MECHANICAL PROPERTIES OF HFC-443

Undiluted Weld Metal

Hardness

Maximum Value up to:

ROCKWELL C33 - 38

BRINALL 310 - 350

VICKERS 340 - 380

ELECTRODE PACKAGING & DIMENSIONS FOR FINALLOY HFC 443

Diameter (mm)	1/8	5/32 (4.0)	3/16 (5.0)
Length (mm)	14" (350)	14" (350)	14" (350)
Electrodes / lb	12	8	6
Electrodes / kg	26	18	13

WELD METAL ANALYSIS (Typical Weight % for HF 441)

C	Mn	Si	S	P	Cr	Ni	Mo	V	W	Cb	Fe
.29	2.37	.61	0.016	.012	1.0	.08	.03	.03	.01	.01	Bal.

Flux color – Dark grey

Finalloys (FZE)

SAIF - ZONE
P O Box 514168 SHARJAH
UNITED ARAB EMIRATES.



Finalloy HFC - 443