

AI-1732

Specifications

DIN 8555 | DIN EN 14700

MF 10-45-CGT | T Fe 14-45-CGT

Description and Applications

AI-1732 is a tubular wire for hardfacing applications, resistant to wear and corrosion. The deposit is Cr- Ni- Mo alloyed and is used for corrosive as well as abrasive wear. **AI-1732** can be used as a substitution for Stellite 6 where high temperature operation is not critical. The alloy can be additionally machined with carbide tools.

Applications include: Press screws and kneader for meat processing and feeding stuff industry, chemical industry, palm oil screws, conveyer screws.

Typical Weldmetal Analysis

C	Mn	Si	Ni	Cr	Mo	Fe
1.9	1.0	1.0	3.0	28.0	0.8	Bal

Mechanical Properties of Weldmetal

	As Welded
Hardness	41-44 HRC
Shielding Gas	98% Ar + 2% O ₂ or 100% Ar

Welding Parameters

Diameter (mm)	Current type	Amps
1.2	DC(+)	150-220
1.6	DC(+)	180-300

15 kg Spools

Welding Positions

(1G, 1F) Downhand/flat position, (2F) Horizontal position, (2G) Horizontal vertical position

Disclaimer

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