

Triten T-34 is a highly engineered hardfacing alloy in the form of a tubular wire. When properly applied, it results in a high-chromium cast iron deposit with hard chromium carbides in a strong austenitic matrix. This is ideal for hardfacing components that are subject to severe abrasive wear and moderate impact.

Details

- Metal-cored wire
- Open-arc or gas-shielded
- 2-3 layers can be applied
- Cutting with plasma torch is recommended
- Stress-relief cracking is normal and will occur

Applications

- Hardfaced plate and pipe
- Mining and construction equipment
- Material transport conveyors, chutes, and ducting
- Scraper and grade blades

Properties

Carbon	Chromium	Molybdenum	Silicon	Vanadium	Hardness
~ 5%	~ 20%	~ 3%	~ 1%	~ 1%	58 – 64 HRC

Parameters

Wire Diameter		Amperage		Voltage		Stick-out		Shielding Gas (if used)
1.6 mm	1/16"	~ 250	160 – 320	~ 26	24 – 30	~ 25 mm	~ 1"	Ar / CO ₂ Mix or 100% CO ₂
2.4 mm	3/32"	~ 350	250 - 450	~ 28	26 - 32	~ 30 mm	~1-1/4"	
2.8 mm	7/64"	~ 425	350 - 550	~ 29	26 - 32	~ 30 mm	~1-1/4"	