

QUADCHROME 441NM

- Excellent Metal to Metal Wear
- Welds Manganese to Steel
- Cuts with a Torch
- High Tensile Strength (124,000 PSI)
- Work Hardness to 48Rc
- Will not Stress Crack
- Unequaled Resistance to Impact, Scoring, Galling & Roll-Over

DESCRIPTION

Quadchrome 441NM I recommended for joining and overlay of all manganese steels including dissimilar metal combinations. It is especially effective in metal to metal wear applications where high compressive strength, plastic range and polishing characteristics are a must. Quadchrome 441NM does not exhibit the roll-over (mushrooming) common to overlays with work hardening characteristics. It is machinable in its welded state as it work hardens to 48Rc through impact and compression.

TYPICAL APPLICATIONS

- Railroad Tracks
- Steel Mill Coil Guide Liners
- Clutch and Clutch Crabs
- Mantles
- Frogs and Switches
- Horn Guides
- End Mill Hobs
- Rolls

TECHNICAL DATA

Tensile Strength: 124,000 PSI (2" Bar) Yield Strength: 91,000 PSI
Elongation: 42% Hardness as Welded: 18-20Rc
Work Hardened: 48Rc Current: AC/DC +(+/- 30%)
Amps: 75 120 140 160 Settings: +/- 25%

AVAILABILITY

Inches: 3/32 1/8 5/32 3/16
mm: 2.4 3.2 4.0 4.8