

## TECHNICAL DATA SHEET

 **Starweld 493**

**AC / DC +**

### HARDFACING

#### Description :

Very high-recovery (190%) slag-free electrode with complex chromium and niobium carbides for hardfacing mild steel, low alloy steel, stainless steel and manganese steel parts subjected to severe abrasion, heat and moderate impacts.

#### Characteristics :

- Very high recovery electrode (190 %)
- Good-looking deposit
- Slag-free deposit
- Excellent abrasion resistance
- Good heat and corrosion resistance, up to 450°C (850°F)
- Smooth and regular fusion

DEPOSIT RATING SCALE	
ABRASION	1 2 3 4 5 6 7 8 9 10
IMPACT	1 2 3 4 5 6 7 8 9 10
HEAT	1 2 3 4 5 6 7 8 9 10
CORROSION	1 2 3 4 5 6 7 8 9 10

#### Mechanical properties :

- Polarity AC / DC +
- Hardness (as-welded) : 65 HRC

A maximum of two passes is allowed. Clean surface of all oil, grease and dirt. Remove damaged metal with **STARWELD 512**. If more than 2 passes are required, use **STARWELD 595** or **595S** as a layer; preheat base metal if necessary; allow to cool slowly.

+ **Diamètre**  
+ **Ampérage**

3.2 mm  
130 A

4.0 mm  
160 A

5.0 mm  
230 A

#### Applications :

Mixer blades, refractory press screws, plow blades, scrapers, bucket teeth, gate valves, ore crushers, wear plates, etc.

**1 800 361 9097**

 **Starweld**