

TECHNICAL DATA SHEET

 **Starweld 445**

AC / DC+

TOOLS SURFACING

Description :

Superior high-alloy electrode in the high-speed steel category for hardfacing, building up and manufacturing tool steels. Excellent heat and metal-to-metal frictional wear resistance

Characteristics :

- Good hardness up to 560°C (1040°F)
- Excellent all-position weldability
- Good resistance to impacts and abrasion
- Dense and porosity-free deposits
- Deposits can be heat-treated

DEPOSIT RATING SCALE										
METAL / METAL	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
ABRASION	1	2	3	4	5	6	7	8	9	10

Mechanical properties :

- Polarity AC / DC +
- Hardness (as-welded) : 62 - 65 HRC

Note : For a cushion, we recommend using **Starweld 660** to avoid flaking. A maximum of two passes is permitted.

- + **Diameter**
- + **Amperage**

2.5 mm
75 A

3.2 mm
105 A

Applications :

Excellent for building up cutting and machining tools, cold shear blades, threaders, milling tools, drills, drill bits, sharp edges, debarking tools, punching dies, stamping dies, etc.

1 800 361 9097

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