



# Elgaloy Hard 30

REPAIR & MAINTENANCE

Other

Date: 05/30/2013  
Revision: 14

## Description:

Elgaloy Hard 30 deposits a martensitic type weld metal with a hardness of around 35 HRC. Suitable as a build-up material or buffer layer under a harder weld metal. The deposit has moderate abrasion resistance, very good impact resistance and is machinable. Also available as a self-shielded flux cored wire, Elgaloy Hard R 30.

## Applications:

Rails, roller guides, mill rolls, track wheels, tractor rolls and idler wheels etc.

## Welding positions:



## Coating type:

Basic

## Metal recovery:

120%

## Redrying temperature:

350 °C, 2h

## Hardness as welded:

360 - 430 HB, 380 - 450 HV 10

## Welding current:

DC+, AC

## Chemical composition, wt.%

|         | C    | Si  | Mn  | Cr  |
|---------|------|-----|-----|-----|
| Min     | 0,11 | 0,4 | 0,6 | 2,3 |
| Typical | 0,13 | 0,6 | 0,8 | 2,8 |
| Max     | 0,15 | 0,8 | 1,0 | 3,3 |

## Classification:

EN 14700

E Fe1

## Approvals:

## Product data:

| Dim.mm  | Product code | Current A |  |  |
|---------|--------------|-----------|--|--|
| 3,2x450 | 70303210     | 100-140   |  |  |