

# 1.6523 EN 10084 (Euronorm)

## Standards

EN 10084

Case hardening steels - Technical delivery conditions

## Chemical composition

<b>C</b>	0.17 - 0.23	<b>Si</b>	< 0.4	<b>Mn</b>	0.65 - 0.95	<b>P</b>	< 0.025
<b>S</b>	< 0.035	<b>Cr</b>	0.35 - 0.70	<b>Mo</b>	0.15 - 0.25	<b>Ni</b>	0.4 - 0.7
<b>Fe</b>	Rest						

## Properties

By EN 10084

*Austenitizing: 920 °C ( 30 - 35 min)*  
*Carburizing: 880 - 980 °C*  
*Core-hardening: 860 - 900 °C*  
*Case-hardening: 780 - 820 °C*  
*Tempering: 150 - 200 °C (1h minimum)*

+A

**Hardness HBW: < 212**

+TH

**Hardness HBW: 161 - 212**

+FP

**Hardness HBW: 149 - 194**