

## PRECISION GROUND FLAT STOCK

### MATERIAL:

#### BS 1407

C= 1.1  
Si= 0.22  
Mn= 0.37  
Cr= 0.43  
P= < 0.45  
S= < 0.45

#### 1.2210, 115 Cr V3

C=1.10 ÷ 1.25  
Si= 0.15 ÷ 0.30  
Mn= 0.20 ÷ 0.40  
Cr= 0.50 ÷ 0.80  
V= 0.07 ÷ 0.12  
P= < 0.03  
S= < 0.03



LENGHT: 1000 mm

Example of designation:  
**CSS 3 x 1000**

Silver steel  
Ground bar  
1000 mm  
**CSS**



Diameter	Description	Price VAT excl. Euro x100	% Price Change 1	2	Package
13,00	<b>CSS 13 X 1000</b>	<b>42,00</b>	-	-	1

### FEATURES

Supplied: annealed  
Hardness HB 207-237  
Tensile strenght 700 / 850 N/mm2

### DIAMETER TOLERANCE

> 25 mm +0 / 0,015  
< 25 mm +0 / 0,025

**MATERIAL:** BS 1407 o 1.2210, 115 Cr V3 according to stock availability

### SURFACE FINISH

Roughness < 0,6 micron

### THERMAL TREATMENT:

#### Hardening

In case of low carbon level, heat slowly up to 760-800 °C.

In case of high carbon level, maintain on minimum temperature. Leave the temperature uniforms. Then harden in well stirred (agited) water. Hardness reached after hardening: about 65-68 HRC. The approximate quench hardness is 65 to 68 Rc.

#### TEMPERING

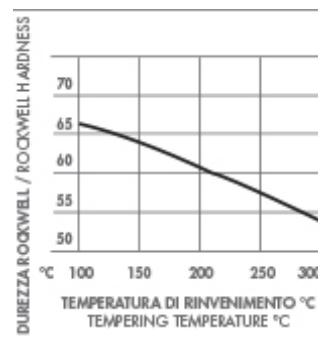
Proceed with temperatures between 180 °C and 350 °C according to the usage needs and referring to the tempering curve (see below).

### PACKAGING

Bars are protected from corrosion by applying a solution of lanolin.  
In addition, all bars are carefully packed to prevent damage during handling and transport.

### APPLICATIONS

Gauges, spindles, pins, various tools, punches, points, moulds accessories, e.t.c.



Technical informations are indicative and can be updated.

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