



**C15**  
Non-alloy steel for general purposes

(W. NR. 1.0401)

**CHEMICAL COMPOSITION:** (heat analysis according to the EN 10277-2:2008 standard)

	C %	Si %	Mn %	P %	S %
FROM	0,12	-	0,30	-	-
TO	0,18	0,40	0,80	0,045	0,045

**\*MECHANICAL FEATURES:** (according to the EN 10277-2:2008 standard)

Thickness mm	Rolled + peeled rolled (+SH)		Cold drawn (+C)		
	hardness HB	Rm (MPa)	Rp <sub>0,2</sub> minimum values (MPa)	Rm (MPa)	A <sub>5</sub> % minimum values
≥5≤10			380	500 - 800	7
>10≤16			340	480 - 780	8
>16≤40	98 - 178	330 - 600	280	430 - 730	9
>40≤63	98 - 178	330 - 600	240	380 - 670	11
>63≤100	98 - 178	330 - 600	215	340 - 600	12

\* Delivery condition: as rolled

**PROPERTIES:**

**Weldability:**

It is a soft carbon-steel, easily cold machinable and weldable without any particular precautions.

**Improved machinability:**

Upon request it can be supplied with improved machinability with Pb (lead) addition, for example Pb=0,15% ÷ 0,35%

**Notes:**

**CORRESPONDENCE WITH OTHER STANDARDS ( purely as an indication ):**

<b>UNI 7846</b> C15	<b>DIN 17210</b> CK15	<b>AFNOR 35-551</b> XC12
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