

	<b>40CrV4</b> Special alloy steel	/
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**CHEMICAL COMPOSITION:** (Trafileria Mauri internal analysis)

	C %	Si %	Mn %	P %	S %	Cr %	Ni %	Mo %	Al %	V
FROM	0,36	0,15	0,45	-	-	0,75	-	-	0,005	0,11
TO	0,40	0,40	0,65	0,035	0,035	0,85	0,20	0,10	0,020	0,15

**\* MECHANICAL FEATURES:**

Thickness mm	Annealed + peeled rolled (+A +SH )	annealed + cold drawn ( +A+C )
	hardness HB maximum values	hardness HB maximum values
≥5≤10	-	295
>10≤16	-	285
>16≤40	241	280
>40≤63	241	270
>63≤100	241	270

\* Delivery condition: soft annealed.

**PROPERTIES:**

**Weldability:**

Due to the medium-high carbon content it can be welded with some precautions.  
It is particularly sensitive to cracks in the heat altered zone.

**Hardenability:**

Steel grade with limited hardenability; if suitably treated in convenient sizes (till a thickness of 50-60 mm) it can give very good results.

**Notes :**