



34CrMo4

Special alloy steel

(W.NR. 1.7220)

CHEMICAL COMPOSITION: (analysis according to the EN ISO 683-2:2018 standard)

	C %	Si %	Mn %	P %	S %	Cr %	Mo %	Cu%
FROM	0,30	0,10	0,60	-	-	0,90	0,15	-
TO	0,37	0,40	0,90	0,025	0,035	1,20	0,30	0,40

* MECHANICAL FEATURES: (according to the EN 10277:2018 standard) not provided for

Thickness mm	annealed + cold drawn (+A+C)
	hardness HB maximum values
$\geq 5 \leq 10$	-
$> 10 \leq 16$	-
$> 16 \leq 40$	-
$> 40 \leq 100$	-

* Delivery condition: soft annealed.

PROPERTIES :

Weldability:

Low weldability; this steel grade can be welded only with suitable precautions.

Hardenability:

Steel grade with medium carbon content showing a poor hardenability; sensitive to notching and to quenching cracks.

Notes :

CORRESPONDENCE WITH OTHER STANDARDS (purely as an indication) :

UNI 7845 35CrMo4	DIN 17200 34CrMo4	AFNOR 35-552 34CD4	AISI-SAE 4135
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