



34CrMoS4

Special alloy steel

(W.NR. 1.7226)

CHEMICAL COMPOSITION: (analysis according to the EN 10083-3 standard)

	C %	Si %	Mn %	P %	S %	Cr %	Mo %
FROM	0,30	-	0,60	-	0,020	0,90	0,15
TO	0,37	0,40	0,90	0,025	0,040	1,20	0,30

* MECHANICAL FEATURES: (according to the UNI 10233-5 standard)

Thickness mm	annealed + cold drawn (+A+C)
	hardness HB maximum values
$\geq 5 \leq 10$	290
$> 10 \leq 16$	280
$> 16 \leq 40$	275
$> 40 \leq 100$	270

* 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	DIN 17200	ISO 683-1	AFNOR 35-552	AISI-SAE
35CrMo4	34CrMoS4	34CrMoS4	34CD4u	4135