

STEELS COMPARISON TABLE



This table contains steelgrades which are known but no longer up to date or are present only in manufacturers' specifications. For each of them, an alternative steelgrade, among the ones codified by EN 10297-1, with similar features is suggested.

EN 10297-1	Delivery condition	UNI Norm	DIN Norm	AFNOR Norm	Special steels*
Steelgrade					
E235	Untreated (+AR)	7729 Fe 360	1629 St 37.0	TU 37b	
E275			1629 St. 44.0		
E315					
E355	Untreated (+AR)	7729 Fe 510	1629 St. 52.0	TU 52b	Mecaval 136M VM355M
E470					20MnV6 MW450
E275K2	Normalized (+N)		1630 St. 44.4N		
E355K2			1630 St. 52.4N		
E420J2			17179 StE 420		
E460K2			17179 StE 460		MW450M
E590K2	Quenched and tempered (+QT)				MW450K
E730K2					FGS78WV
C22E	Normalized (+N) Quenched and tempered (+QT)		17204 Ck22(N) 17204 Ck22(V)		
C35E			17204 Ck35(N) 17204 Ck 35(V)		
C45E			17204 Ck45(N) 17204 Ck45(V)		
C60E			17204 Ck60(N) 17204 Ck60(V)		
38Mn6					
41Cr4	Quenched and tempered (+QT)		17204 41Cr4(V)		
25CrMo4			17204 25CrMo4(V)		
30CrMo4					
34CrMo4			17204 34CrMo4(V)		
42CrMo4			17204 42CrMo4(V)		
36CrNiMo4			17204 36CrNiMo4(V)		
30CrNiMo8			17204 30CrNiMo8(V)		
41NiCrMo7-3-2					
C10E	Annealed (+A) +TH ¹ +FP ² Normalized (+N)				
C15E					
C15R					
16MnCr5					
16MnCrS6					
20NiCrMo2-2					
20NiCrMoS2-2					

*Steels according to manufacturers' specifications, not foreseen by any norm.

¹ Heat treatment required to achieve a hardness value within a specified range.

² Heat treatment required to produce a ferritic and pearlitic structure and to achieve a hardness value e within a specified range.