

STANDARD REFERENCE:
 EN 10263-2: 2017

RODACCIAI REFERENCES AND COMPARABLE STANDARDS

EUROPE		ITALY	GERMANY		FRANCE	UK	USA
EN 10263-2: 2001		(UNI 7356 - 74)	(DIN 1654-2: 89)		(NF A 35-564: 83)	-	ASTM
Grade	N°		Werkstoff	N°			
(C10C)	(1.0214)	CB 10 FF	QSt 36 - 3	1.0214	XC 10 FF	-	-

CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

C	Si/ max	Mn	P / max	S / max	Al
0,08÷0,12	0,10	0,30÷0,50	0,025	0,025	0,020÷0,060

MECHANICAL PROPERTIES

Size mm	Untreated (+U) or Untreated + Peeled (+U +PE)		Spheroidized (+AC) or as Treated + Peeled (+AC +PE)		Cold Drawn (+U +C)		Cold Drawn + Spheroidized + Skin Passed (+U +C +AC + LC)		Spheroidized + Cold Drawn (+AC +C)	
	R _m (MPa) max	Z (%) min	R _m (MPa) max	Z (%) min	R _m (MPa) max	Z (%) min	R _m (MPa) max	Z (%) min	R _m (MPa) max	Z (%) min
≥2 ≤5	-	-	-	-	-	-	410	68	-	-
>5 ≤10	430	60	380	70	520	58	400	68	470	63
>10 ≤40	430	60	380	70	510	58	400	68	460	63
>40 ≤100	430	60	380	70	-	-	-	-	-	-

WORKING TEMPERATURES RECOMMENDED

Operation	Hot forgings deformation	Soft annealing
°C	850÷1100	650÷700

