

STANDARD REFERENCE:
UNI EN 10083-3: 2006 (Hot-rolled products)

RODACCIAI REFERENCES AND COMPARABLE STANDARDS

EUROPE		ITALY	GERMANY		FRANCE	UK	USA
UNI EN 10083-3: 2006		(UNI 7845-78)	(DIN 17200-86)		(NF A 35-552-86)	(BS 970 pt.3-96)	ASTM A 29
Grade	N°		Werkstoff	N°			
-	-	-	-	-	-	-	-

CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

	Europe	C	Si	Mn	P / max	S	Cr	B	Ni / max
46CrB2	-	0,42÷0,50	0,15÷0,40	0,60÷0,90	0,035	0,20÷0,40	0,30÷0,60	0,0010÷0,0050	0,30

MECHANICAL PROPERTIES - AS ROLLED CONDITION

Size mm	HB max to condition:		Quenched and tempered (+QT)				
	Soft annealing (+A)		R _{p0,2} (MPa) min	R _m (MPa) min	A ₅ (%) min	Z (%) min	KV (J) min
≤ 16	223		650	900÷1100	12	35	-
> 16 ≤ 40	223		550	800÷950	14	40	35
> 40 ≤ 100	223		400	650÷800	15	45	35
> 100 ≤ 160	223		-	-	-	-	-
> 160 ≤ 250	223		-	-	-	-	-