

**STANDARD REFERENCE:**

EN 10025-2: 2004 (Hot-rolled products) | EN 10277-2: 2008 (Bright products)

**RODACCIAI REFERENCES AND COMPARABLE STANDARDS**

EUROPE		ITALY	GERMANY	FRANCE	UK	USA
EN 10025-2: 2004 EN 10277-2: 2008		(UNI 7070 - 72)	(DIN 17100-80)	(NF A 35-501-83)	(BS 4360 - 90)	ASTM A 29
Grade	N°		Werkstoff	N°		
(E335+S) (E335GC)	(1.0060) (1.0543)	(Fe 590+S)	(St 60-2+S)	(1.0060)	(A 60 - 2 +S)	-

**COMPOSIZIONE CHIMICA (ANALISI DI COLATA) (%)**

C	Si / max	Mn / max	P / max	S	N / max
0,37÷0,45	0,50	1,40	0,045	0,080÷0,120	0,011

**CARATTERISTICHE MECCANICHE LAMINATI**

Size mm	R <sub>p 0,2</sub> (MPa) min	R <sub>m</sub> (MPa)	A <sub>5</sub> (%) min
≤16	335	570÷710	16
>16 ≤40	325	570÷710	16
>40 ≤63	315	570÷710	15
>63 ≤80	305	570÷710	14
>80 ≤100	295	570÷710	14
>100 ≤150	275	550÷710	12
>150 ≤200	265	540÷710	11
>200 ≤230	255	540÷710	11

**CARATTERISTICHE MECCANICHE FINITI A FREDDO**

Size mm	as Rolled + Turned (+SH)		Cold Drawn (+C)		
	Hardness HB	R <sub>m</sub> (MPa)	R <sub>p 0,2</sub> (MPa) min	R <sub>m</sub> (MPa)	A <sub>5</sub> (%) min
≥5 ≤10	-	-	540	700÷1050	5
>10 ≤16	-	-	480	680÷970	6
>16 ≤40	169÷211	570÷710	390	640÷930	7
>40 ≤63	169÷211	570÷710	340	620÷870	8
>63 ≤100	169÷211	570÷710	295	570÷810	8

**TEMPERATURE DI LAVORAZIONE CONSIGLIATE**

Operation	Hot forgings deformation	Soft annealing
°C	900÷1150	650÷700

rev. 10/2018

Mark Rodacciai

Download APP

**SPECIAL STEELS**  
**FOR STRUCTURAL PRODUCTS**
**RE60S**
