

Hot rolled round steel bars

Commercial Department

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QUALITY STANDARDS APPLICABLE TO EACH TYPE

SIDERURGICA SEVILLANA S.A. can manufacture round bars for the following uses:

- A. For general uses
- B. For cold calibration
- C. For treatments
- D. For springs

A. For general uses

AE 235	UNE 36080/85
AE 275	UNE 36080/85
AE 355	UNE 36080/85
St 44.2	DIN 17100/80
St 52.3	DIN 17100/80
G 43 B	BS 4360/1986
G 50 C	BS 4360/1986
E 28.2	NF A 35501/81
E 36.3	NF A 35501/81
S 235 JR	UNE EN 10025
S 275 JR	UNE EN 10025
S 355 JO	UNE EN 10025
S 275 JR	BS EN 10025
S 355 JO	BS EN 10025
S 275 JR	NF EN 10025
S 355 JO	NF EN 10025

B. For cold calibration

St 37,2	DIN 17100
St 37 K	UNI
St 52,3	DIN 17100
St 52	UNI
F 1110 (F111)	UNE 36011-75
F 1140 (F114)	UNE 36011-75
Fe 360 B	EN 10025/90 KZ
Fe 510 C	EN 10025/90 KZ

C. For treatments

- Special, quality carbon steels (from Ck 15 to Ck 70).
- Low and medium chrome, chrome-molybdenum, chrome-vanadium, etc. steel alloys.

According to the standards: DIN 17200 - NF A 35-552 - UNE 36011 - UNE 36012 and others.

D. For springs

55 Si 7	DIN 17221
65 Si 7	DIN 17221
55 Cr 3	DIN 17221
50 Cr V 4	DIN 17221

In all cases, the usual manufacturing dimensions and tolerances correspond to those described in standards DIN 1013 and UNE 36541.

TABLE OF WEIGHTS AND SIZES OF ROUND BARS

Diameter mm	Weight kg/m	Cross section mm ²	Sup. Pint. m ² /m
8	0,395	0,503	0,025
10	0,617	0,785	0,031
12	0,888	1,13	0,038
14	1,21	1,54	0,044
16	1,58	2,01	0,050
18	2,00	2,54	0,056
20	2,47	3,14	0,063
22	2,98	3,80	0,069
25	3,85	4,91	0,079
30	5,55	7,07	0,094
32	6,31	8,04	0,100
36	7,99	10,2	0,113
40	9,85	12,6	0,126
45	12,5	15,9	0,141
50	15,4	19,6	0,157
55	18,7	23,8	0,173
60	22,20	28,27	0,188

The dimensions and tolerances comply with the standards: DIN 488 - UNE 36068

COMMERCIAL DEPARTMENT

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