



QUALITY	36SMnPb14	Wr. 1.0765
REFERENCE NORM HOT ROLLED STEEL PRODUCTS		ISO 683-4
REFERENCE NORM BRIGHT STEEL PRODUCTS		UNI EN 10277

CHEMICAL COMPOSITION (%)

C (max.)	Si (max.)	Mn (max.)	P (max.)	S	Pb
0,32 ÷ 0,39	0,40	1,30 ÷ 1,70	0,060	0,10 ÷ 0,18	0,15 ÷ 0,35

MECHANICAL PROPERTIES HOT ROLLED STEEL PRODUCTS (ISO 683-4)

Size (mm)	Rm (MPa)	Rp0,2 (MPa)	A5 (%) min.	KV -20°C (J) min.	HBW max.
5 ≤ t ≤ 10	580 ÷ 770				225
10 < t ≤ 16	580 ÷ 770				225
16 < t ≤ 40	560 ÷ 750				219
40 < t ≤ 63	560 ÷ 740				216
63 < t ≤ 100	550 ÷ 740				216

MECHANICAL PROPERTIES BRIGHT STEEL PRODUCTS (UNI EN 10277)

Size (mm)	(+SH) HOT ROLLED + PEELED		(+C) COLD DRAWN		
	Hardness (HBW) Max.	Rm (MPa)	Rp0,2 (MPa) Min.	Rm (MPa)	A5 (%) min.
5 ≤ t ≤ 10			500	660 ÷ 960	6
10 < t ≤ 16			440	620 ÷ 920	6
16 < t ≤ 40	219	560 ÷ 750	390	600 ÷ 900	7
40 < t ≤ 63	216	560 ÷ 740	360	580 ÷ 840	8
63 < t ≤ 100	216	550 ÷ 740	340	560 ÷ 820	9

Indicative values based on current regulations.