1050 A (A 5)
ASTM: 1050

Other designations
France : A 5
Germany : Al 99,5
ASTM : 1050 A
Euronorm : Al 99,5

Applications areas
Boiler making, metal frames, interior and exterior fittings, signalling panels, stamped pieces, chemical and food industries.

Steel properties
Weldability: excellent. Cold forming and drawing properties: excellent. Machinability: average. Can be anodised. Good natural behaviour in ambient environment.

Chemical composition
according to EN 573-3 / in %

Si	Fe	Cu	Mn	Mg	Zn	Each other	Al
≤ 0,25	≤ 0,40	≤ 0,05	≤ 0,05	≤ 0,05	≤ 0,07	≤ 0,03	99,5 % min.

Mechanical properties
H 24 temper

U.T.S. MPa	Y.S. 0.2% MPa	Elongationsub50 mm min. % 0,3 ≤ e ≤ 0,5 mm	Elongationsub50 mm min. % 3 < e ≤ 6 mm
105-145	≥ 75	3	8

H 14 temper

U.T.S. MPa	Y.S. 0.2% MPa	Elongationsub50 mm min. % 0,3 ≤ e ≤ 1,5 mm
105-145	≥ 85	2

H 111 temper

U.T.S. MPa	Y.S. 0.2% MPa	Elongationsub50 mm min. % 0,5 ≤ e ≤ 1,5 mm
65-95	≥ 20	22

Physical Properties

Thermal conductivity (20 °C)	Coeff. of thermal expansion (20-100 °C)	Young modulus
W/(m.K)	$K^{(-1)}$	MPa
231	$23,6.10^{-6}$	69 000

Available stock
Cold rolled sheets
H 111
NF EN 485