

Datasheet

Description

Conc. red., DIN2616/EN10253-1
S235, certificate 2.2

Main data

168.30 x 4.50 / 88.90 x 3.20

D	168.30 mm
S1	4.50 mm
d	88.90 mm
S2	3.20 mm
L	140.00 mm



Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: S235

Mat. grade: 1.0037

C	Si	Mn	P	S	Cr	Cu	Mo	Nb	Ni	Ti	V	Others
0.17		1.40	0.045	0.045								N

Mechanical properties

Short name: S235

Mat. grade: 1.0037

Upper yield strength reH or Rp0.2 min for wallthicknesses T in mm, N/mm2 at room temperature		Tensile strength Rm for wallthickn. T in mm, N/mm2 at room temperature		Elongation A at room- temperature, min.%		Min. impact energy KV in J	
T<=16	16<T<=60	T<=16	16<T<=60	Longit.	Transv.	Longit.	Transv.
235	225	360-500	360-500	25	25		

Sources: EN 10253, DIN 17175, DIN 2528, DIN 1629, Stahlschlüssel, ASTM