

Datasheet

Description

Conc. red., DIN2616/EN10253-2-B
St35.8/I, certificate 3.1

Main data

42.40 x 2.60 / 25.00 x 2.00 mm

D	42.40 mm
S1	2.60 mm
d	25.00 mm
S2	2.00 mm
L	50.00 mm



Chemical analysis (heat) in % of mass

(one content=max. value)

Short name: St35.8/I

Mat. grade: 1.0305

C	Si	Mn	P	S	Cr	Cu	Mo	Nb	Ni	Ti	V	Others
0.17	0.35	0.80	0.040	0.040								

Mechanical properties

Short name: St35.8/I

Mat. grade: 1.0305

Upper yield strength reH or Rp0.2 min for wallthicknesses T in mm, N/mm ² at room temperature		Tensile strength Rm for wallthickn. T in mm, N/mm ² 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	360-480	360-480	25	23		34

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