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Technical Certificate of products of Zafar Steel complex



STANDARD : INSO 3132

Steel grade : S 400

Chemical composition

Element	MIN	MAX
C	0.28	0.37
P	0.00	0.045
S	0.00	0.045
Si	0.15	0.600
Cr	0.00	0.300
CU	0.00	0.300
Mn	0.50	1.60
Ni	0.00	0.300
CEV	-	

Mechanical properties

Bending	Elongation %	Rm/ ReH	Peak point Rm (Mpa)	yield ReH (Mpa)
≤ 16 : 3 d ≥ 18 : 6d	Min : 16	Min : 1.25	Min : 600	Min : 400

Mass per unit length

Diameter mm	Area mm ²	Mass $\frac{kg}{m}$	Deviation %
8	50.3	0.395	± 8
10	78.5	0.617	± 6
12	113	0.888	± 6
14	154	1.21	± 5
16	201	1.58	± 5
18	254	2.00	± 5
20	314	2.47	± 5
22	380	2.98	± 5
25	491	3.85	± 4
28	616	4.84	± 4
32	804	6.31	± 4

Ribb shape



IMS



ISO 9001:2015



ISO 45001:2018



ISO 14001:2015

