

Technical Data Sheet
Hot Rolled Carbon and Low Alloy Steel bars
Grade A2 (A340)

Size: 8-32 mm

Delivery Standard: INSO 3132, GOST 5781

Shape:



1-Dimensional Properties

Nominal Diameter	Nominal Cross Area	1m bar weighth	12m bar weighth	Transverse rib (mm)		Longitudinal rib (mm)		Rib spacing
d	$A_n(\text{mm}^2)$	(kg/m)	w (kg)	b_1	h_1	b_2	h_2	c (mm)
8	50.3	0.367-0.423	4.408-5.072	0.8-1.6	0.52	1	1.2	4.8-6.6
10	78.5	0.585-0.647	7.022-7.762	1.0-2.0	0.65	1.3	1.5	5.5-7.5
12	113	0.844-0.932	10.123-11.189	1.2-2.4	0.78	1.5	1.8	6.1-8.3

2-Chemical Analysis

Grade	Standard	C	Si	Mn	P (max)	S (max)
A2	INSO 3132	≤ 0.32	≤ 0.6	≤ 1.3	0.045	0.045

(All are maximum values)

3-Mechanical Properties

Grade	Symbol	Yield Strength	Tensile Strength	Elongation (%)		
		ReH, N/mm ²	R _m , N/mm ²	A ₅	A ₁₀	A _{gt}
A2	A340	340	500	18	10	-

(All are minimum values)

