



RAYHANA
GENERAL TRADE

Rebars Technical Specifications

Chemical Composition

Mechanical Specifications

Dimensions & Mass

AJ 340 (equivalent to ASTM A 615 grade 40)



Chemical Composition

Designation	Maximum percentage of elements composition							
	C	Si	Mn	P	S	Cr	Ni	Cu
AJ 340	0.32	0.6	1.3	0.045	0.05	0.05	0.3	0.3

Mechanical Specifications

ISIRI 3132	GOST 5781	ASTM A 615	Min. Yield Stress (N/mm ²)	Min. Tensile Stress (N/mm ²)	Min. Elongation (%) ISIRI 3132
AJ 340	A 2	Grade 40	340	500	15

Dimensions & Mass

Nominal Diameter (mm)	Nominal Cross-sectional Area (mm ²)	Mass per Length (Kg/m)	Permissible Deviation (%)
8	50.3	0.395	8 ±
10	78.5	0.616	6 ±
12	113	0.888	6 ±
14	154	1.21	5 ±
16	201	1.58	5 ±
18	254	2	5 ±
20	314	2.47	5 ±
22	380	2.98	5 ±
25	491	3.85	4 ±
28	616	4.83	4 ±
32	804	6.31	4 ±

AJ 400 (equivalent to ASTM A 615 grade 60)



Chemical Composition

Designation	Maximum percentage of elements composition							
	C	Si	Mn	P	S	Cr	Ni	Cu
AJ 400	0.37	0.6	1.6	0.045	0.05	0.05	0.3	0.3

Mechanical Specifications

ISIRI 3132	GOST 5781	ASTM A 615	Min. Yield Stress (N/mm ²)	Min. Tensile Stress (N/mm ²)	Min. Elongation (%) ISIRI 3132
AJ 400	A 3	Grade 60	400	600	12

Dimensions & Mass

Nominal Diameter (mm)	Nominal Cross-sectional Area (mm ²)	Mass per Length (Kg/m)	Permissible Deviation (%)
8	50.3	0.395	8 ±
10	78.5	0.616	6 ±
12	113	0.888	6 ±
14	154	1.21	5 ±
16	201	1.58	5 ±
18	254	2	5 ±
20	314	2.47	5 ±
22	380	2.98	5 ±
25	491	3.85	4 ±
28	616	4.83	4 ±
32	804	6.31	4 ±

AJ 500 (equivalent to ASTM A 615 grade 75)



Chemical Composition

Designation	Maximum percentage of elements composition							
	C	Si	Mn	P	S	Cr	Ni	Cu
AJ 500	0.4	0.6	1.8	0.045	0.05	0.05	0.3	0.3

Mechanical Specifications

ISIRI 3132	GOST 5781	ASTM A 615	Min. Yield Stress (N/mm ²)	Min. Tensile Stress (N/mm ²)	Min. Elongation (%) ISIRI 3132
AJ 500	A 4	Grade 75	500	650	8

Dimensions & Mass

Nominal Diameter (mm)	Nominal Cross-sectional Area (mm ²)	Mass per Length (Kg/m)	Permissible Deviation (%)
8	50.3	0.395	8 ±
10	78.5	0.616	6 ±
12	113	0.888	6 ±
14	154	1.21	5 ±
16	201	1.58	5 ±
18	254	2	5 ±
20	314	2.47	5 ±
22	380	2.98	5 ±
25	491	3.85	4 ±
28	616	4.83	4 ±
32	804	6.31	4 ±