



Ahan Asa

Sections & Steel Products Catalog

Edition: September 2026

www.ahanassa.com · 031-35134



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Rebar

Plain Rebar S240 (A1)

Standard: INSO 3132

Grade: S240 (market A1 / plain rebar)

Name in the Iranian market: میلگرد

Size	Diameter (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
Ø10	10	12000	0.617	7.398
Ø12	12	12000	0.888	10.654
Ø14	14	12000	1.208	14.501
Ø16	16	12000	1.578	18.94
Ø18	18	12000	1.998	23.971
Ø20	20	12000	2.466	29.594
Ø22	22	12000	2.984	35.809
Ø25	25	12000	3.853	46.24
Ø28	28	12000	4.834	58.004
Ø32	32	12000	6.313	75.76
Ø36	36	12000	7.99	95.884
Ø40	40	12000	9.865	118.375
Ø50	50	12000	15.413	184.961

Ribbed Rebar Aj340 (A2)

Standard: INSO 3132

Grade: Aj340 (market A2)

Name in the Iranian market: میلگرد

Size	Diameter (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
Ø8	8	12000	0.395	4.735
Ø10	10	12000	0.617	7.398
Ø12	12	12000	0.888	10.654
Ø14	14	12000	1.208	14.501
Ø16	16	12000	1.578	18.94
Ø18	18	12000	1.998	23.971
Ø20	20	12000	2.466	29.594
Ø22	22	12000	2.984	35.809
Ø25	25	12000	3.853	46.24
Ø28	28	12000	4.834	58.004



Size	Diameter (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
Ø32	32	12000	6.313	75.76

Ribbed Rebar Aj400 (A3)

Standard: INSO 3132

Grade: Aj400 (market A3)

Name in the Iranian market: میلگرد

Size	Diameter (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
Ø8	8	12000	0.395	4.735
Ø10	10	12000	0.617	7.398
Ø12	12	12000	0.888	10.654
Ø14	14	12000	1.208	14.501
Ø16	16	12000	1.578	18.94
Ø18	18	12000	1.998	23.971
Ø20	20	12000	2.466	29.594
Ø22	22	12000	2.984	35.809
Ø25	25	12000	3.853	46.24
Ø28	28	12000	4.834	58.004
Ø32	32	12000	6.313	75.76

Ribbed Rebar Aj500 (A4)

Standard: INSO 3132

Grade: Aj500 (market A4)

Name in the Iranian market: میلگرد

Size	Diameter (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
Ø10	10	12000	0.617	7.398
Ø12	12	12000	0.888	10.654
Ø14	14	12000	1.208	14.501
Ø16	16	12000	1.578	18.94
Ø18	18	12000	1.998	23.971
Ø20	20	12000	2.466	29.594
Ø22	22	12000	2.984	35.809
Ø25	25	12000	3.853	46.24
Ø28	28	12000	4.834	58.004
Ø32	32	12000	6.313	75.76

Beams

IPE Beam

Standard: EN 10365

Grade: S235JR

Name in the Iranian market: تیرآهن

Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
IPE 80	46	80	3.8	5.2	5	12000	6	72
IPE 100	55	100	4.1	5.7	7	12000	8.1	97.2
IPE 120	64	120	4.4	6.3	7	12000	10.4	124.8
IPE 140	73	140	4.7	6.9	7	12000	12.9	154.8
IPE 160	82	160	5	7.4	9	12000	15.8	189.6
IPE 180	91	180	5.3	8	9	12000	18.8	225.6
IPE 200	100	200	5.6	8.5	12	12000	22.4	268.8
IPE 220	110	220	5.9	9.2	12	12000	26.2	314.4
IPE 240	120	240	6.2	9.8	15	12000	30.7	368.4
IPE 270	135	270	6.6	10.2	15	12000	36.1	433.2
IPE 300	150	300	7.1	10.7	15	12000	42.2	506.4
IPE 330	160	330	7.5	11.5	18	12000	49.1	589.2
IPE 360	170	360	8	12.7	18	12000	57.1	685.2
IPE 400	180	400	8.6	13.5	21	12000	66.3	795.6
IPE 450	190	450	9.4	14.6	21	12000	77.6	931.2
IPE 500	200	500	10.2	16	21	12000	90.7	1088.4
IPE 550	210	550	11.1	17.2	24	12000	106	1272
IPE 600	220	600	12	19	24	12000	122	1464

IPN / INP Beam

Standard: EN 10365

Grade: S235JR

Name in the Iranian market: تیرآهن

Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Toe radius (mm)	Flange slope (%)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
IPN 80	42	80	3.9	5.9	3.9	2.3	14	12000	5.9	70.8
IPN 100	50	100	4.5	6.8	4.5	2.7	14	12000	8.3	99.6
IPN 120	58	120	5.1	7.7	5.1	3.1	14	12000	11.1	133.2
IPN 140	66	140	5.7	8.6	5.7	3.4	14	12000	14.3	171.6



Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Toe radius (mm)	Flange slope (%)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
IPN 160	74	160	6.3	9.5	6.3	3.8	14	12000	17.9	214.8
IPN 180	82	180	6.9	10.4	6.9	4.1	14	12000	21.9	262.8
IPN 200	90	200	7.5	11.3	7.5	4.5	14	12000	26.2	314.4
IPN 220	98	220	8.1	12.2	8.1	4.9	14	12000	31.1	373.2
IPN 240	106	240	8.7	13.1	8.7	5.2	14	12000	36.2	434.4
IPN 260	113	260	9.4	14.1	9.4	5.6	14	12000	41.9	502.8
IPN 280	119	280	10.1	15.2	10.1	6.1	14	12000	47.9	574.8
IPN 300	125	300	10.8	16.2	10.8	6.5	14	12000	54.2	650.4
IPN 320	131	320	11.5	17.3	11.5	6.9	14	12000	61	732
IPN 340	137	340	12.2	18.3	12.2	7.3	14	12000	68	816
IPN 360	143	360	13	19.5	13	7.8	14	12000	76.1	913.2
IPN 380	149	380	13.7	20.5	13.7	8.2	14	12000	84	1008
IPN 400	155	400	14.4	21.6	14.4	8.6	14	12000	92.4	1108.8
IPN 450	170	450	16.2	24.3	16.2	9.7	14	12000	115	1380
IPN 500	185	500	18	27	18	10.8	14	12000	141	1692
IPN 550	200	550	19	30	19	11.9	14	12000	166	1992
IPN 600	215	600	21.6	32.4	21.6	13	14	12000	199	2388



Angle Bar

Equal Angle

Standard: EN 10056-1

Grade: S235JR

Name in the Iranian market: نبشی

Size	Width (mm)	Height (mm)	Thickness (mm)	Root radius (mm)	Toe radius (mm)	Nominal weight (kg/m)
50X50X5	50	50	5	7	3.5	3.77
60X60X6	60	60	6	8	4	5.42
75X75X7	75	75	7	9	4.5	7.93
80X80X8	80	80	8	10	5	9.63
100X100X10	100	100	10	12	6	15

Channel

UPE

Standard: EN 10365

Grade: S235JR

Name in the Iranian market: ناودانی

Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Nominal weight (kg/m)
UPE 80	50	80	4	7	10	7.9
UPE 100	55	100	4.5	7.5	10	9.8
UPE 120	60	120	5	8	12	12.1
UPE 140	65	140	5	9	12	14.5
UPE 160	70	160	5.5	9.5	12	17
UPE 180	75	180	5.5	10.5	12	19.7
UPE 200	80	200	6	11	13	22.8

UPN

Standard: EN 10365

Grade: S235JR

Name in the Iranian market: ناودانی

Size	Width (mm)	Height (mm)	Web thickness (mm)	Flange thickness (mm)	Root radius (mm)	Toe radius (mm)	Flange slope (%)	Nominal weight (kg/m)
UPN 80	45	80	6	8	8	4	8	8.6
UPN 100	50	100	6	8.5	8.5	4.5	8	10.6
UPN 120	55	120	7	9	9	4.5	8	13.4
UPN 140	60	140	7	10	10	5	8	16
UPN 160	65	160	7.5	10.5	10.5	5.5	8	18.8
UPN 180	70	180	8	11	11	5.5	8	22
UPN 200	75	200	8.5	11.5	11.5	6	8	25.3

Box Section

Rectangular Hollow Section (RHS)

Standard: EN 10219-2

Grade: S235JRH

Name in the Iranian market: قوطی

Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
60×40×2.5	40	60	2.5	5	2.5	6000	3.6	21.6
60×40×3	40	60	3	6	3	6000	4.25	25.5
60×40×4	40	60	4	8	4	6000	5.45	32.7
80×40×3	40	80	3	6	3	6000	5.19	31.1
80×40×4	40	80	4	8	4	6000	6.71	40.3
80×40×5	40	80	5	10	5	6000	8.13	48.8
100×50×3	50	100	3	6	3	6000	6.6	39.6
100×50×4	50	100	4	8	4	6000	8.59	51.6
100×50×5	50	100	5	10	5	6000	10.48	62.9
100×50×6	50	100	6	12	6	6000	12.27	73.6
120×60×4	60	120	4	8	4	6000	10.48	62.9
120×60×5	60	120	5	10	5	6000	12.84	77
120×60×6	60	120	6	12	6	6000	15.1	90.6
120×80×4	80	120	4	8	4	6000	11.73	70.4
120×80×5	80	120	5	10	5	6000	14.41	86.5
120×80×6	80	120	6	12	6	6000	16.98	101.9
140×80×5	80	140	5	10	5	6000	15.98	95.9
140×80×6	80	140	6	12	6	6000	18.87	113.2
140×80×8	80	140	8	20	12	6000	23.9	143.4
150×100×5	100	150	5	10	5	6000	18.33	110
150×100×6	100	150	6	12	6	6000	21.69	130.2
150×100×8	100	150	8	20	12	6000	27.67	166
160×80×5	80	160	5	10	5	6000	17.55	105.3
160×80×6	80	160	6	12	6	6000	20.75	124.5
160×80×8	80	160	8	20	12	6000	26.41	158.5
180×100×5	100	180	5	10	5	6000	20.69	124.1
180×100×6	100	180	6	12	6	6000	24.52	147.1
180×100×8	100	180	8	20	12	6000	31.43	188.6
200×100×5	100	200	5	10	5	6000	22.26	133.6
200×100×6	100	200	6	12	6	6000	26.4	158.4



Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
200×100×8	100	200	8	20	12	6000	33.95	203.7
200×100×10	100	200	10	25	15	6000	41.26	247.6
250×150×6	150	250	6	12	6	6000	35.82	214.9
250×150×8	150	250	8	20	12	6000	46.51	279
250×150×10	150	250	10	25	15	6000	56.96	341.8
300×200×6	200	300	6	12	6	6000	45.24	271.5
300×200×8	200	300	8	20	12	6000	59.07	354.4
300×200×10	200	300	10	25	15	6000	72.66	436

Nominal mass to EN 10219-2; the actual weight of a bar may be higher depending on the mill.

Square Hollow Section (SHS)

Standard: EN 10219-2

Grade: S235JRH

Name in the Iranian market: قوطی

Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
40×40×2.5	40	40	2.5	5	2.5	6000	2.82	16.9
40×40×3	40	40	3	6	3	6000	3.3	19.8
40×40×4	40	40	4	8	4	6000	4.2	25.2
50×50×2.5	50	50	2.5	5	2.5	6000	3.6	21.6
50×50×3	50	50	3	6	3	6000	4.25	25.5
50×50×4	50	50	4	8	4	6000	5.45	32.7
50×50×5	50	50	5	10	5	6000	6.56	39.4
60×60×3	60	60	3	6	3	6000	5.19	31.1
60×60×4	60	60	4	8	4	6000	6.71	40.3
60×60×5	60	60	5	10	5	6000	8.13	48.8
60×60×6	60	60	6	12	6	6000	9.45	56.7
80×80×3	80	80	3	6	3	6000	7.07	42.4
80×80×4	80	80	4	8	4	6000	9.22	55.3
80×80×5	80	80	5	10	5	6000	11.27	67.6
80×80×6	80	80	6	12	6	6000	13.21	79.3
100×100×4	100	100	4	8	4	6000	11.73	70.4
100×100×5	100	100	5	10	5	6000	14.41	86.5
100×100×6	100	100	6	12	6	6000	16.98	101.9
100×100×8	100	100	8	20	12	6000	21.39	128.3
120×120×5	120	120	5	10	5	6000	17.55	105.3



Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
120×120×6	120	120	6	12	6	6000	20.75	124.5
120×120×8	120	120	8	20	12	6000	26.41	158.5
120×120×10	120	120	10	25	15	6000	31.84	191.1
150×150×6	150	150	6	12	6	6000	26.4	158.4
150×150×8	150	150	8	20	12	6000	33.95	203.7
150×150×10	150	150	10	25	15	6000	41.26	247.6
200×200×8	200	200	8	20	12	6000	46.51	279
200×200×10	200	200	10	25	15	6000	56.96	341.8
200×200×12	200	200	12	36	24	6000	65.99	395.9

Nominal mass to EN 10219-2; the actual weight of a bar may be higher depending on the mill.

Sheet & Plate

Hot Rolled Plate S235JR

Standard: EN 10029

Grade: S235JR

Name in the Iranian market: ورق

Size	Width (mm)	Thickness (mm)	Length (mm)	Nominal weight (kg/m ²)	Nominal weight per sheet (kg)
8×1500×6000	1500	8	6000	62.8	565.2
8×2000×6000	2000	8	6000	62.8	753.6
10×1500×6000	1500	10	6000	78.5	706.5
10×2000×6000	2000	10	6000	78.5	942
12×1500×6000	1500	12	6000	94.2	847.8
12×2000×6000	2000	12	6000	94.2	1130.4
15×1500×6000	1500	15	6000	117.75	1059.75
15×2000×6000	2000	15	6000	117.75	1413
20×1500×6000	1500	20	6000	157	1413
20×2000×6000	2000	20	6000	157	1884
25×1500×6000	1500	25	6000	196.25	1766.25
25×2000×6000	2000	25	6000	196.25	2355
30×1500×6000	1500	30	6000	235.5	2119.5
30×2000×6000	2000	30	6000	235.5	2826
35×1500×6000	1500	35	6000	274.75	2472.75
35×2000×6000	2000	35	6000	274.75	3297
40×1500×6000	1500	40	6000	314	2826
40×2000×6000	2000	40	6000	314	3768
50×1500×6000	1500	50	6000	392.5	3532.5
50×2000×6000	2000	50	6000	392.5	4710
60×1500×6000	1500	60	6000	471	4239
60×2000×6000	2000	60	6000	471	5652

Hot Rolled Plate S355JR

Standard: EN 10029

Grade: S355JR

Name in the Iranian market: ورق



Size	Width (mm)	Thickness (mm)	Length (mm)	Nominal weight (kg/m ²)	Nominal weight per sheet (kg)
8×1500×6000	1500	8	6000	62.8	565.2
8×2000×6000	2000	8	6000	62.8	753.6
10×1500×6000	1500	10	6000	78.5	706.5
10×2000×6000	2000	10	6000	78.5	942
12×1500×6000	1500	12	6000	94.2	847.8
12×2000×6000	2000	12	6000	94.2	1130.4
15×1500×6000	1500	15	6000	117.75	1059.75
15×2000×6000	2000	15	6000	117.75	1413
20×1500×6000	1500	20	6000	157	1413
20×2000×6000	2000	20	6000	157	1884
25×1500×6000	1500	25	6000	196.25	1766.25
25×2000×6000	2000	25	6000	196.25	2355
30×1500×6000	1500	30	6000	235.5	2119.5
30×2000×6000	2000	30	6000	235.5	2826
35×1500×6000	1500	35	6000	274.75	2472.75
35×2000×6000	2000	35	6000	274.75	3297
40×1500×6000	1500	40	6000	314	2826
40×2000×6000	2000	40	6000	314	3768
50×1500×6000	1500	50	6000	392.5	3532.5
50×2000×6000	2000	50	6000	392.5	4710
60×1500×6000	1500	60	6000	471	4239
60×2000×6000	2000	60	6000	471	5652

Hot Rolled Sheet S235JR

Standard: EN 10051

Grade: S235JR

Name in the Iranian market: ورق

Size	Width (mm)	Thickness (mm)	Length (mm)	Nominal weight (kg/m ²)	Nominal weight per sheet (kg)
2×1000×2000	1000	2	2000	15.7	31.4
2×1250×2500	1250	2	2500	15.7	49.062
2×1500×6000	1500	2	6000	15.7	141.3
3×1000×2000	1000	3	2000	23.55	47.1
3×1250×2500	1250	3	2500	23.55	73.594
3×1500×6000	1500	3	6000	23.55	211.95
4×1000×2000	1000	4	2000	31.4	62.8
4×1250×2500	1250	4	2500	31.4	98.125
4×1500×6000	1500	4	6000	31.4	282.6

Size	Width (mm)	Thickness (mm)	Length (mm)	Nominal weight (kg/m ²)	Nominal weight per sheet (kg)
5×1000×2000	1000	5	2000	39.25	78.5
5×1250×2500	1250	5	2500	39.25	122.656
5×1500×6000	1500	5	6000	39.25	353.25
6×1000×2000	1000	6	2000	47.1	94.2
6×1250×2500	1250	6	2500	47.1	147.187
6×1500×6000	1500	6	6000	47.1	423.9

Hot Rolled Sheet S355JR

Standard: EN 10051

Grade: S355JR

Name in the Iranian market: ورق

Size	Width (mm)	Thickness (mm)	Length (mm)	Nominal weight (kg/m ²)	Nominal weight per sheet (kg)
2×1000×2000	1000	2	2000	15.7	31.4
2×1250×2500	1250	2	2500	15.7	49.062
2×1500×6000	1500	2	6000	15.7	141.3
3×1000×2000	1000	3	2000	23.55	47.1
3×1250×2500	1250	3	2500	23.55	73.594
3×1500×6000	1500	3	6000	23.55	211.95
4×1000×2000	1000	4	2000	31.4	62.8
4×1250×2500	1250	4	2500	31.4	98.125
4×1500×6000	1500	4	6000	31.4	282.6
5×1000×2000	1000	5	2000	39.25	78.5
5×1250×2500	1250	5	2500	39.25	122.656
5×1500×6000	1500	5	6000	39.25	353.25
6×1000×2000	1000	6	2000	47.1	94.2
6×1250×2500	1250	6	2500	47.1	147.187
6×1500×6000	1500	6	6000	47.1	423.9

Pipe

Seamless Pipe ASTM A106 Grade B

Standard: ASME B36.10M

Grade: ASTM A106 Grade B

Name in the Iranian market: لوله

Size	Outside diameter (mm)	Wall thickness (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
21.336×2.769 SCH40	21.336	2.769	6000	1.265	7.59
26.67×2.87 SCH40	26.67	2.87	6000	1.68	10.08
33.401×3.378 SCH40	33.401	3.378	6000	2.494	14.964
42.164×3.556 SCH40	42.164	3.556	6000	3.377	20.262
48.26×3.683 SCH40	48.26	3.683	6000	4.038	24.228
60.325×3.912 SCH40	60.325	3.912	6000	5.428	32.568
73.025×5.156 SCH40	73.025	5.156	6000	8.607	51.642
88.9×5.486 SCH40	88.9	5.486	6000	11.255	67.53
114.3×6.02 SCH40	114.3	6.02	6000	16.033	96.198
141.3×6.553 SCH40	141.3	6.553	6000	21.718	130.308
168.275×7.112 SCH40	168.275	7.112	6000	28.191	169.146
219.075×8.179 SCH40	219.075	8.179	6000	42.425	254.55

Nominal / theoretical weight — not the actual delivered weight or weighbridge settlement weight.

This document contains no prices. For prices and a supply proposal, send your purchase list at www.ahanassa.com/en/contact.

Contact Ahan Asa

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