

Weight of SFK Steel Industries' Rebars

Rebar Size	Weight of one meter(kg)	Weight of a 12 meter Stick(kg)	Number of Sticks in one bundle
32	6/17	74	27
28	4/67	56	36
25	3/76	45/12	44
22	2/9	34/8	57
20	2/42	29/04	69
18	1/92	23/04	87
16	1/54	18/48	108
14	1/18	14/16	141
12	0/87	10/44	191
10	0/598	7/17	279
8	0/383	4/59	435
Ø8 A3	0/387	4/64	431
Ø10 A3	0/603	7/02	277
Ø12 A4	0/879	10/54	190

The weights and numbers of Rebar Sticks are calculated as averages.



SFK Steel Industries

صنایع فولاد کاوه تیکمه داش

Producer of Steel Rebar and Billets

TRUE AS STEEL



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www.sfksteels.com

Kaveh Tikmedash Steel Industries, leveraging the expertise of its specialized workforce, experienced engineers, and dedicated workers, produces and supplies to domestic and international markets various construction rebars in grades A1, A2, A3, and A4 (sizes 32–8 mm), rebars of grades A500C, B500B, and B500C compliant with European and CIS country standards, as well as steel billets (billets) in grades 3SP and S5P conforming to Russian standards.

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A1 Plain Rebar (\$240)

It is known as soft rebar without any rib.

Application: Suitable for welding and forging operations and has high malleability.

Mechanical Properties of \$240 Ribbed Rebar			
Minimum Elongation Percentage (LowA10)	Minimum Ratio of ultimate Tensile Strength to Yield Stress	Minimum Ultimate Tensile Strength (N/mm ²)	Minimum Yield Stress (N/mm ²)
18	1.25	360	240

B500B Rebar

This type is used to strengthen concrete and can be welded. It is produced according to the European standard, which has at least two rows of transverse ribs evenly distributed.

A2 Ribbed Rebar(\$340)

It is known as both semi-soft and semi-hard rebar which can be in either twisted or even rolled rib forms.

Application: This type of rebar is suitable for construction and stirrup operations.

Mechanical Properties of \$340 Ribbed Rebar			
Minimum Elongation Percentage (LowA10)	Minimum Ratio of ultimate Tensile Strength to Yield Stress	Minimum Ultimate Tensile Strength (N/mm ²)	Minimum Yield Stress (N/mm ²)
15	1.25	500	340

B500C Rebar

This type is used to strengthen concrete and can be welded. It is produced according to the European standard, which has at least two rows of transverse ribs evenly distributed.

A3 Ribbed Rebar (\$400)

It is known as hard rebar, which is produced in either even or hot rolled rib forms.

Application: This type of rebar is suitable for construction operations.

Mechanical Properties of \$400 Ribbed Rebar			
Minimum Elongation Percentage (LowA10)	Minimum Ratio of ultimate Tensile Strength to Yield Stress	Minimum Ultimate Tensile Strength (N/mm ²)	Minimum Yield Stress (N/mm ²)
12	1.25	600	400

A500C Rebar

This type is used to strengthen concrete and can be welded. It is produced according to the Russian standard, which has at least two rows of transverse ribs evenly distributed.

A4 Ribbed Rebar (\$500)

This rebar is harder than the previous ones and is produced in ribbed form with compound hot rolled ribs. However, this type of rebar is less used in the construction of structures than the above-mentioned ones and we may see more use of this type of rebar over time.

Advantages: Reduction in rebar volume and cross-sectional area within dense concrete; ease of concrete placement between rebars; enhanced structural corrosion resistance; savings in materials and costs; optimized rebar utilization with reduced environmental impact; and accelerated rebar installation, concrete pouring, and structural construction.

Mechanical Properties of \$500 Ribbed Rebar			
Minimum Elongation Percentage (LowA10)	Minimum Ratio of ultimate Tensile Strength to Yield Stress	Minimum Ultimate Tensile Strength (N/mm ²)	Minimum Yield Stress (N/mm ²)
8	1.25	650	500

- Exports to more than 15 European and Asian countries
- Holder of level one license of authorized economic operators of the World Confederation of AEO
- Holder of approval for the combined cycle power plant with the capacity of 250 MW
- Winner of the award of the best exporter in 2018 and 2022
- Winner of the award of protecting consumers rights from 2015 to 2018
- Obtaining the national certificate of laboratory qualification

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Kaveh Tikmedash Steel Industries, by adhering to all key principles in steel production and implementing quality management systems for its products, has obtained the international standards ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, as well as the Iranian National Standard 3132 for ribbed rebar production and the Incentive Standard 20300 for steel billet production. Additionally, the company has acquired export certificates for steel rebars to Europe, including EN 10025, EN 10080, and EN 10204.

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