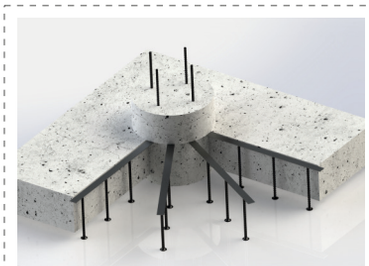
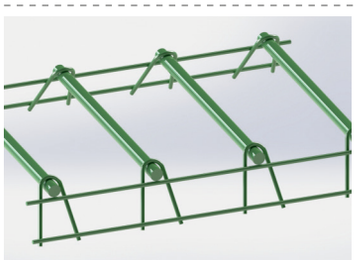
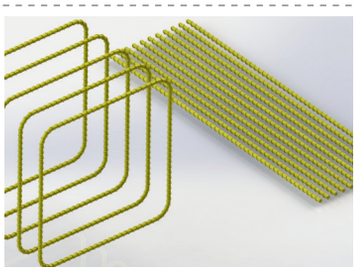
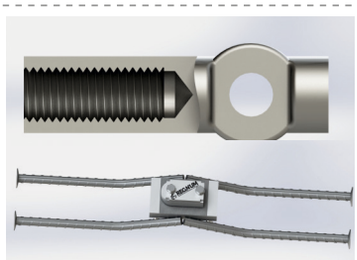
CONSTRUCTION TECHNOLOGY







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WIRE MESH

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TECHNICAL MANUAL

CONSTRUCTION TECHNOLOGY

WIRE MESH

Features



- Mesh sheets can be produced by Stainless Steel, Aluminum and Carbon Steel.
- Our products can be used as coating sheets for building facades as well as wall&ceiling coating and area separator for indoor using.
- Upto 500 diameter variations are available upon requirement.
- Most common advantages of using mesh sheets: Pattern, lightning advantages, long life, protection for weather conditions (sunlight, rain, wind etc.), shading, filtering, ventilation and visiual benefits.
- Cost efficiency
- Greater strenght
- Ideal for primary and secondary operations and building shieldings.

Technical Information

Extended metal sheets are adding extra value for the buildings and extends the life time of the building itself by protecting itself from corrosion and weather conditions. It also allows daylight to pass into building as it has extended and flexible. Besides, mesh sheets are also enviorenment friendly. Using mesh sheets means less AC usage and lower cost of electric.





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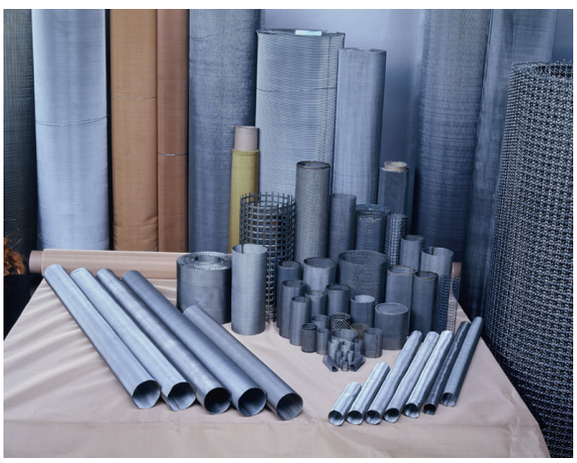
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Moscow / RUSSIA

Mesh Sheets

We are able to produce various size of steel meshs with different specific needs of customers.

Crom-Nickel (AISI 304 - 316L – 310 – 314 – 316), Galvanized, Bronzed, Brass, Copper, Plastics (Polyproplylen, Polyamid etc.) are the main raw materials for the mesh manufacturing and working range is Ø 0,025mm - Ø 10mm for the wire diameters.





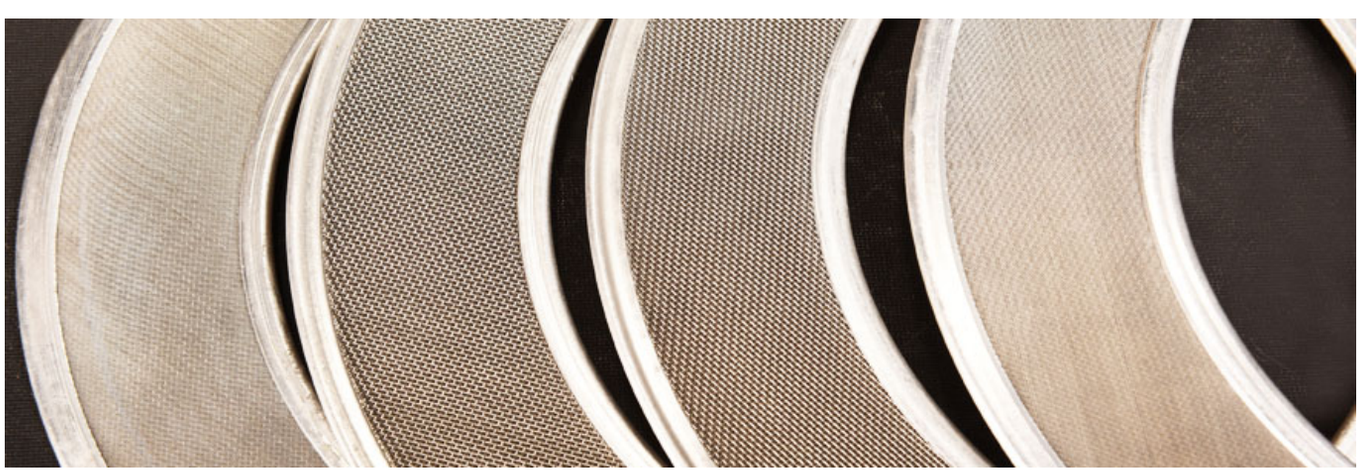
Regbar Mesh are covered by various Design Guides and Design Codes, including:

ASTM A 666	**AISI**	**MS 58, MS 63, MS 70, MS 90**

Coating

We apply coating for all type of our products. Coating provides extra resistence to the product in terms of weather conditions also provides extra life for the prdocut itself.

In addition to all standard coatings, Regbar also offers PVD titanium coating of the SS materials for life long guarantee of the product.



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Chemical Composition

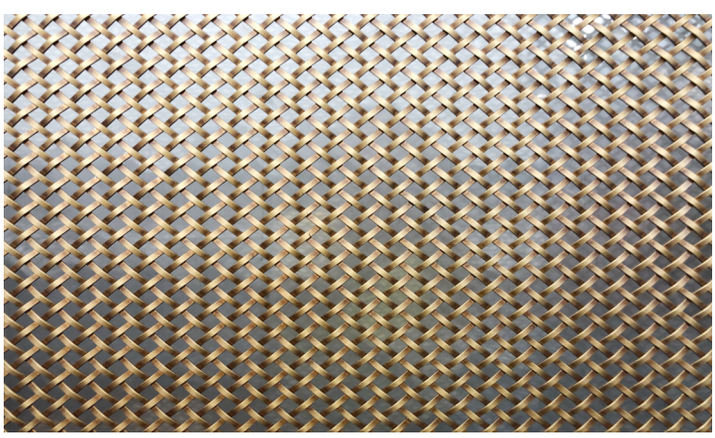
TABLE 2 Tensile Property Requirements[A]

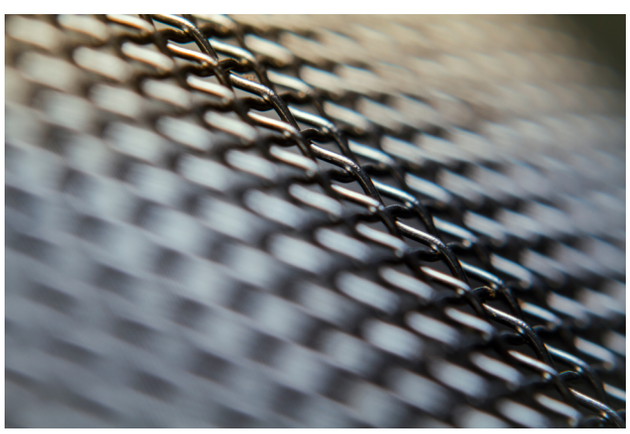
Type	UNS Designation	Annealed						
		Tensile Strength, min		Yield Strength, min		Elongation in 2 in. or 50 mm, min, %	Hardness, max	
		psi	MPa	psi	MPa		Brinell	Rockwell B
201–1[B]	S20100 Class 1	75 000	515	38 000	260	40	217	95
201–2	S20100 Class 2	95 000	655	45 000	310	40	241	100
201L	S20103	95 000	655	38 000	260	40	217	95
201LN	S20153	95 000	655	45 000	310	45	241	100
202	S20200	90 000	620	38 000	260	40	241	...
...	S20400	95 000	655	48 000	330	35	241	100
205	S20500	115 000	790	65 000	450	40	241	100
301	S30100	75 000	515	30 000	205	40	217	95
301L	S30103	80 000	550	32 000	220	45	241	100
301LN	S30153	80 000	550	35 000	240	45	241	100
302	S30200	75 000	515	30 000	205	40	201	92
...	S30116	75 000	515	30 000	205	40	217	95
304	S30400	75 000	515	30 000	205	40	201	92
304L	S30403	70 000	485	25 000	170	40	201	92
304N	S30451	80 000	550	35 000	240	30	217	95
304LN	S30453	75 000	515	30 000	205	40	217	95
316	S31600	75 000	515	30 000	205	40	217	95
316L	S31603	70 000	485	25 000	170	40	217	95
316N	S31651	80 000	550	35 000	240	35	217	95
XM–11	S21904							
	Sheet, Strip	100 000	690	60 000	415	40	...	...
	Plate	90 000	620	50 000	345	45	...	...
XM–14	S21460	105 000	725	55 000	380	40	...	...

NOTE *Extracted from ASTM A 666.*

Material Compositions For The Stainless Steel Raw Material:

Aısı	Carbon	Mangan	Silisium	Sulphur	Phosphor	Crome	Nickel	Molybdenum
302	0,15	2	1	0,03	0,045	17,00-19,00	8,00-10,00	-
304	0,07	2	1	0,03	0,045	18,00-20,00	8,00-11,00	
304 L	0,03	2	1	0,03	0,045	18,00-20,00	8,00-12,00	
316	0,07	2	1	0,03	0,045	16,50-18,00	10,00-14,00	2,00-3,00
316 L	0,03	2	1	0,03	0,045	16,50-18,00	10,00-14,00	2,00-3,00





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