



Walcoom Corporation



**CONCRETE REINFORCING MESH**

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# CONCRETE REINFORCING MESH

## "The best choice provider for concrete structure reinforcement"

For over 20 years, Walcoom Corporation has been offering the strong and durable concrete reinforcing mesh to a wide range of places. We are specialized in concrete reinforcing mesh producing and exporting, and our products are widely used for the reinforcement of concrete structures, such as building foundations, road surfaces, bridge decks and so on. Advanced production equipment, skilled workers, professional sale representatives and considerate after sale service contribute our high quality products and long term cooperation with our customers.



**Concrete reinforcing mesh** is a kind of welded wire fabric, so it's also called reinforcing welded mesh. It's made of carbon steel or stainless steel, including rectangular reinforcing mesh and square reinforcing mesh. Besides, we also offer the reinforcing bar supports and tie wires for customers.

**Compared with ordinary wire meshes, concrete reinforcing mesh** has higher strength. It can greatly improve the bonding to concrete and minimize the concrete cracking and it's the best solution for construction project.

### Application of concrete reinforcing mesh

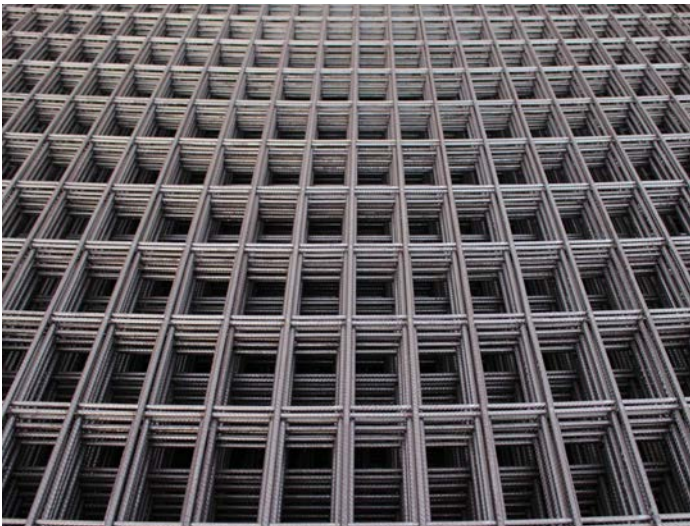
- Foundations reinforcement.
- Road surface reinforcement.
- Bridge deck reinforcement.
- Airport runway reinforcement.
- Coal mine tunnel reinforcement.
- Housing roof reinforcement.



# CONCRETE REINFORCING MESH

## Reinforcing welded mesh

Reinforcing welded mesh, also called reinforcing mesh, concrete mesh, concrete wire mesh, concrete reinforcing mesh or welded mesh reinforcement, is made of carbon steel or stainless steel. There are square and rectangular mesh patterns for choice. With high strength and firm structure, reinforcing welded meshes can greatly improve the bonding to concrete and minimize concrete cracks. They are widely used for foundations reinforcement, road surfaces reinforcement, bridge decks reinforcement, airport runways reinforcement and so on.



### Advantage of reinforcing welded mesh

- High strength and firm structure.
- Improve the concrete adhesion.
- Prevent the emergence of concrete cracks.
- Increase the bearing weight.
- Corrosion and rust resistance.
- Various reinforcing mesh sizes for choice.
- Easy installation and time saving.
- Reduce offcut and wastage.
- Durable and long service life.

### Specification of concrete reinforcing mesh

- **Material:** carbon steel, stainless steel.
- **Surface treatment:** galvanized.
- **Type**
  - **Light type:** diameter of rods from 3 mm to 10 mm.
  - **Heavy type:** diameter of rods above 10 mm.
- **Mesh shape:** rectangular or square.
- **Mesh size (mm):** 100 × 100, 100 × 200, 100 × 400, 200 × 200.
- **Standard sheet size (m):** 2 × 4 , 3.6 × 2 , 4.8 × 2.4 , 6 × 2.4.

# CONCRETE REINFORCING MESH

**Table 1: Common Dimensions of Reinforcing Welded Mesh 6 m × 2.4 m**

Item	Longitudinal Wire (mm)	Cross Wire (mm)	Weight (kg/sheet)	Type
RRM-01	11.9@100	7.6@200	157	rectangular reinforcing mesh
RRM-02	10.65@100	7.6@200	131	
RRM-03	9.5@100	7.6@200	109	
RRM-04	8.55@100	7.6@200	93	
RRM-05	7.6@100	7.6@200	79	
RRM-06	6.75@100	7.6@200	68	
SRM-01	7.6@100	7.6@100	105	square reinforcing mesh
SRM-02	9.5@200	9.5@200	80	
SRM-03	8.55@200	8.55@200	65	
SRM-04	7.6@200	7.6@200	52	
SRM-05	6.75@200	6.75@200	40	
SRM-06	6@200	6@200	33	
SRM-07	4.75@200	4.75@200	21	

**Table 2: Common Dimensions of Reinforcing Welded Mesh 4.8 m × 2.4 m**

Item	Longitudinal Wire (4.8 m)			Cross Wire (2.4 m)			Weight		Type
	Size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	Size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	kg/m <sup>2</sup>	kg/sheet	
RRM-07	12	100	1131	8	200	252	10.9	125.57	rectangular reinforcing mesh
RRM-08	10	100	785	8	200	252	8.14	93.77	
RRM-09	8	100	503	8	200	252	5.93	68.31	
RRM-10	7	100	385	7	200	193	4.53	52.19	
RRM-11	6	100	283	7	200	193	3.73	42.97	
RRM-12	5	100	196	7	200	193	3.05	35.14	
RRM-13	10	100	785	6	400	70.8	6.72	77.41	
RRM-14	9	100	636	6	400	70.8	5.55	63.94	
RRM-15	8	100	503	6	400	49	4.51	51.96	
RRM-16	7	100	385	6	400	49	3.58	41.24	
RRM-17	6	100	283	6	400	49	2.78	32.03	
SRM-08	10	200	393	10	200	393	6.16	70.96	square reinforcing mesh
SRM-09	8	200	252	8	200	252	3.59	45.5	
SRM-10	7	200	193	7	200	183	3.02	34.79	
SRM-11	6	200	142	6	200	142	2.22	25.57	
SRM-12	5	200	98	5	200	98	1.54	17.74	

# CONCRETE REINFORCING MESH

**Table 3: Common Dimensions of Reinforcing Welded Mesh 3.6 m × 2 m**

Item	Longitudinal Wire (3.6 m)			Cross Wire (2 m)			Weight		Type
	Size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	Size (mm)	Pitch (mm)	Area (mm <sup>2</sup> /m)	kg/m <sup>2</sup>	kg/sheet	
SRM-13	10	200	393	10	200	393	6.16	44.35	square reinforcing mesh
SRM-14	8	200	252	8	200	252	3.95	28.44	
SRM-15	7	200	193	7	200	193	3.02	21.74	
SRM-16	6	200	142	6	200	142	2.22	15.98	

## Reinforcing bar support



Reinforcing bar supports are made of high quality carbon steel or stainless steel. They have galvanized surface, including bar chair and metal bolster, and there are various types and sizes for choice. With high strength, rigidity and stability, they can greatly save the working time and they're widely used to support reinforcement bars at determined heights for construction project.

Reinforcement tie wires are also necessary to secure reinforcement bars in place until the concrete is poured.

### Advantage of reinforcing bar support

- Strong support and good stability.
- Corrosion and rust resistant.
- Various types and sizes for choice.
- Easy to use and save the construction time.
- Durable and long service life.

## Specification of reinforcing bar support

- **Material:** carbon steel, stainless steel.
- **Surface treatment:** galvanized.
- **Bottom treatment:** plastic coating, plastic caps, iron scraps.
- **Types:** bar chair, metal bolster.
- **Reinforcing bar chair**
  - **Wire diameter of reinforcing bar chair:** 4–6 mm.
    - **Common bar chair**  
**Height:** 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2".
    - **Individual high chair**  
**Height:** 3", 4", 4-1/4", 4-1/2", 4-3/4", 5", 5-1/4", 5-1/2", 5-3/4", 6", 6-1/4", 6-1/2", 6-3/4", 7", 7-1/4", 7-1/2", 7-3/4", 8", 9", 10", 11", 12".
- **Reinforcing metal bolster**
  - **Wire diameter:** 4.5 mm, 6 mm.
  - **Length:** 5', 10'.
    - **Slab bolster**
      - **Height:** 3/4" to 3" in 1/4" increments.
      - **Legs spacing:** 5".
    - **Beam bolster**
      - **Height:** 1" to 5" in 1/4" increments.
      - **Legs spacing:** 2-1/2".



Reinforcing bar chair



Reinforcing metal bolster



# CONCRETE REINFORCING MESH

- **Reinforcement tie wire**

- **Material:** carbon steel wire.
- **Surface treatment:** galvanized.
- **Wire diameter:** 1.25–3.2 mm.
- **Weight:** 3, 5, 10 kg/coil or 3, 5 kg/bundle.
- **Types:** rebar tie wire coil, straight tie wire, U type wire, double loop tie wire, quick bale tie wire, single loop bale tie wire.



Rebar tie wire coil



Straight tie wire

## Hot products

- Reinforcing Welded Mesh 6 m × 2.4 m.
- Reinforcing Welded Mesh 4.8 m × 2.4 m.
- Reinforcing Welded Mesh 3.6 m × 2 m.
- Rectangular reinforcing mesh.
- Square reinforcing mesh.
- Reinforcing bar chair.
- Reinforcing metal bolster.

# CONCRETE REINFORCING MESH

## Frequently asked questions

- **How strong is your concrete reinforcing mesh?**

Our reinforcing welded mesh with galvanized surface is corrosion and rust resistant, so our product is durable and has long service life. And our concrete mesh has 510 MPa tensile strength and 485 MPa minimum impact strength.

- **What size of reinforcing welded mesh should we choose?**

Our reinforcement mesh bar diameter is 3–40 mm, and there are heavy duty reinforcing mesh of 12 mm or above 12 mm diameter and light duty reinforcing mesh of 3–12 mm diameter. If you want to choose the proper or right wire mesh, please contact our sales representatives, they will recommend the most suitable specifications for your applications, or just tell us your requirements, we will customize it for you.

## Our services

- Free consultation service.
- Strict inspections during production and before delivery.
- After sale service.

## Information supplied by the purchaser

The following information shall be supplied by the purchaser at the time of inquiry or order:

- Type.
- Size.
- Quantity.



# CONCRETE REINFORCING MESH

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