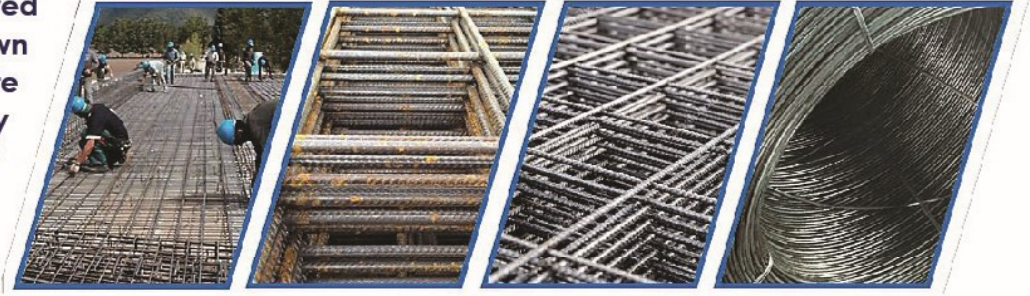


ZIN MESH SHEET is manufactured from fully verified hard drawn steel wire and accurate diameters. Our factory provide varieties of standards on reinforcing welded mesh for construction industry.



■ APPLICATIONS:

Concrete floors / Roofs / Walls / Footings / Retaining walls / Swimming pools / Tanks / Roads / Pavements / Pre-cast concrete components / Encasing and fireproofing of structural steel-work.

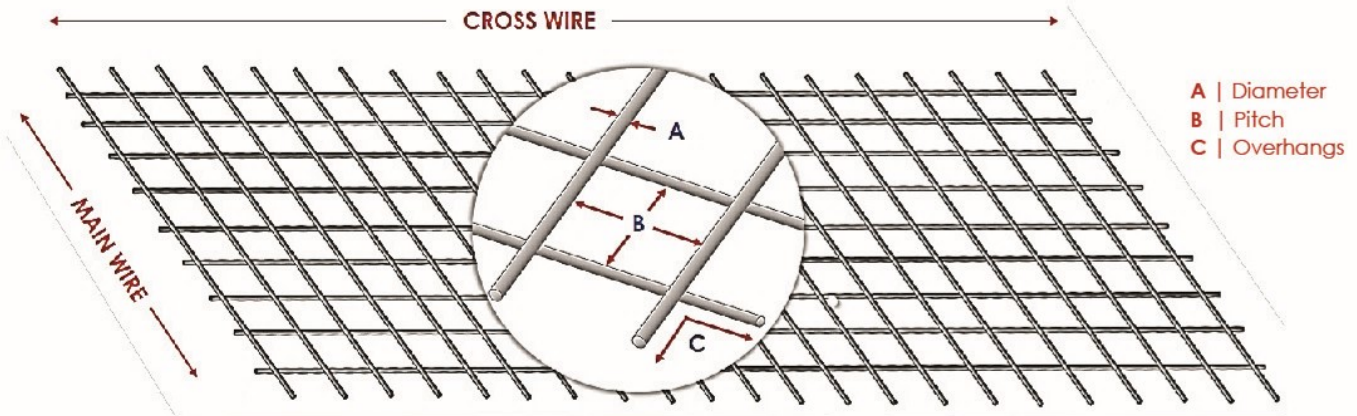
01 SPECIFICATION

The horizontal and vertical steel wire are arranged by equal spacing in right angle and all the cross points are welded together by high resistance force machinery.

■ MATERIAL PROPERTIES

Wire	
Hard Drawn Steel Wire	: Low Carbon
Standard	: DQ2 / DQ4
Minimum Characteristic Strength	: 400 N/mm ²
Minimum Tensile Strength	: 420 N/mm ²
Elongation	: 12%

Mesh	
Width (Cross)	: 2 Meters
Length (Main)	: 4.8 Meters
Packaging	: 50 pcs / bundle



Diameter
The tolerance on the specified diameter of the main wires and the cross wires in the sheet shall be ± 25 mm or ± 0.5 %, whichever is greater.

Pitch
The deviation on the pitch of adjacent wires shall not exceed 15 mm, or ± 7.5 % of the nominal pitch, whichever is greater.

Overhangs
Side overhangs may be varied as required and do not need to be equal. Overhang lengths limited only by overall sheet width. End overhangs may differ. The sum of the two end overhangs, should equal the main wire spacing.

The tolerance on the specified mass of the fabric per square meter shall be ± 6 %. The tolerance on the cross-sectional dimension shall be ± 3 %.

MESH CHART

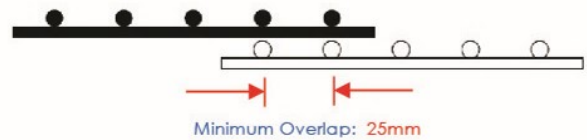
Profile	Diameter (mm)	Main Wire				Cross Wire				Nominal Mass (kg/m ²)
		Pitch (mm)	Steel Area (mm ² /m)	Quantity of Wire	Overhang (mm)	Pitch (mm)	Steel Area (mm ² /m)	Quantity of Wire	Overhang (mm)	
DQ2-YA6	5.6	230	111	9	112	230	108	21	86	1.71
DQ2-YA7	6.6	230	154	9	112	230	150	21	86	2.38
DQ2-YA8	7.6	230	204	9	112	230	198	21	86	3.16
DQ4-YA6	5.2	230	96	9	112	230	93	21	86	1.48
DQ4-YA7	6.2	230	136	9	112	230	132	21	86	2.10
DQ4-YA8	7.2	230	183	9	112	230	178	21	86	2.83

02 FABRIC LAPPING

Plain welded steel fabric bonds to concrete by the positive mechanical anchorage at each intersection. Deformed (ribbed) welded steel fabric achieves bonding and anchorage with its ribbed surface and welded intersections.

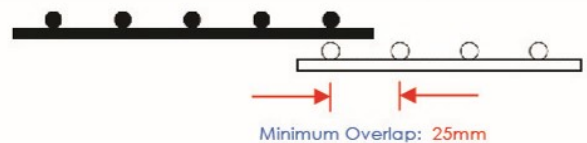
Full yield strength layered lap

- Commonly used for plain welded mesh.
- Staggered arrangement to avoid accumulation of laps.



Half yield strength layered lap

- May be used for side laps across beams.



Flying ends lap

- A form of in-plane lapping where one sheet has a lap length overhang without welded intersections



* The above data is guideline only, may varies subject to individual **Structural Engineer Design**.

03 SAFETY TIPS

HANDLING:

Fully recommended on using plastic, stainless steel wire or synthetic straps when strapping. Use synthetic straps when lifting. Avoid using carbon steel lifting device, bare chains and steel bands, if it is inevitable, using something to isolate them from the welded mesh sheet to prevent the direct contact with ferrous materials.

Sharp edges of mesh can cause injury. Appropriate cut resistant gloves should be worn when handling welded mesh sheet.

Mesh bar on the floor can also be a trip hazard. Responsible personnel should develop site-specific procedures before pouring the concrete on the mesh.

STORAGE:

Mesh bar should be stored in stacks more than 6 feet high. welded mesh sheet should be stored flat and horizontally on level ground. Mesh bar should be stacked with sufficient timber supports so that the welded mesh sheet do not buckle, bend or sag.

Avoid contacting with or beneath carbon steel rebar or other ferrous materials. Welded mesh sheet should be put on the top if the contacting with ferrous material is inevitable when transporting. Should be covered with polyethylene sheeting or other appropriate material if the mesh bars are kept outdoors.



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