



X Welded Mesh

Versatility for countless applications



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**WELED
MESH**

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DEFIM MESH®

Welded mesh is becoming the industrial and building markets protagonist for several applications.

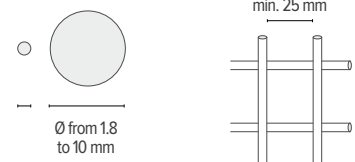
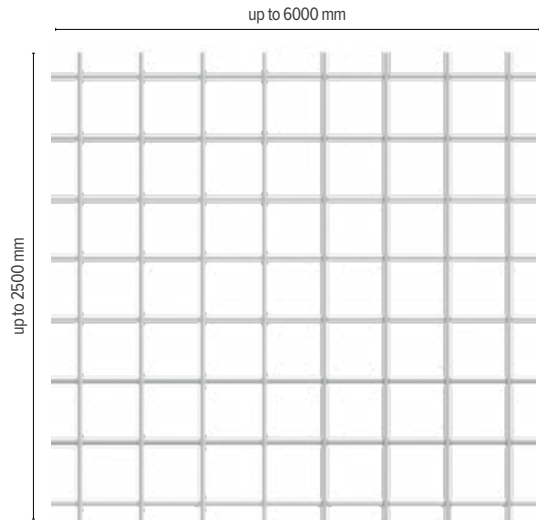
NUOVA DEFIM turns each supply into a solution specifically targeted to meet specific customer requirements thanks to its extensive experience and to its fine tuned organisation supported by a design office of excellence.

APPLICATIONS

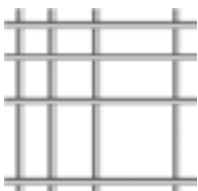
- > Rigid mesh for metal beds
- > Fan grilles
- > Benches
- > Containers
- > Animal enclosures
- > Cable trays
- > Plasterwork sub-frame
- > Overpass fencing
- > Foundations and anti-cracking mesh
- > Special structural work
- > Mesh for the food industry
- > Machine guards systems
- > Fencing

FINISH

- > Self-colour
- > Hot-dip galvanized
- > Zinc-aluminium galvanized
- > Stainless steel
- > Powder coated
- > Copper washed

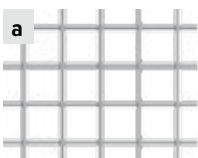


Wires with different diameters.
Minimum c/c mesh square opening is 25 mm.



DIFFERENT MESH SIZE

It is available horizontal and vertical multi-mesh pattern in the same panel upon request, with max 2 different wire diameters both directions.



EDGES FINISH

Different types of finish are available, depending on the specific applications: open with spikes, flush, tapered.



- a_ wire mesh panel with open edge
- b_ wire mesh panel with flush edges
- c_ wire mesh panels with tapered edges



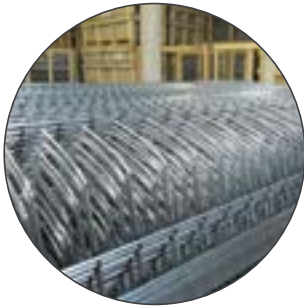


ADDITIONAL SERVICES

The versatility in offering solutions is completed by the post-production finishing department (bending, cutting and other operations) that integrates its experience with the customer's production process and offers specific skills, building up a relationship based on industrial cooperation targeted to develop original solutions, rather than being a mere customer/supplier link.



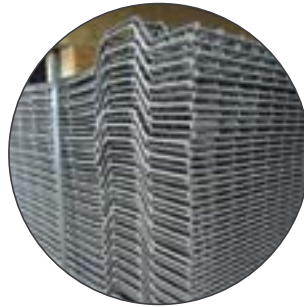
Example of bent mesh



Mesh bending



Mesh bending automation



Mesh to drawing

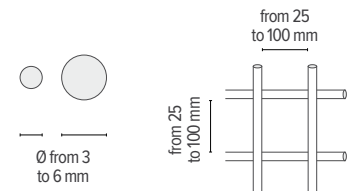
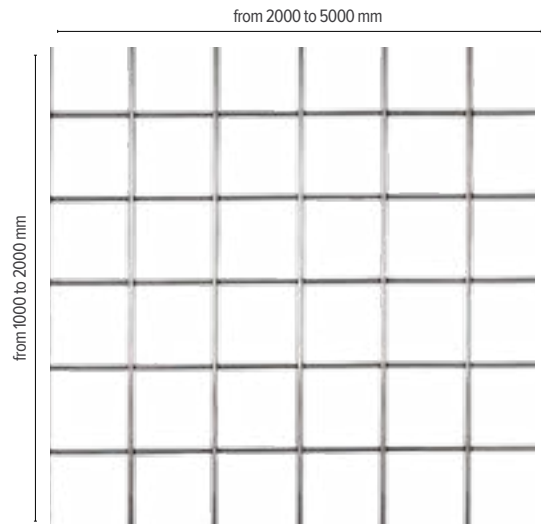
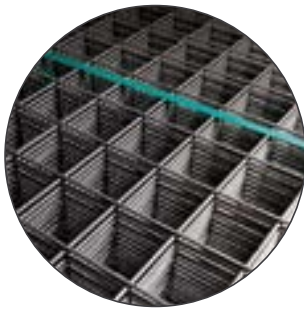




Standard production includes welded mesh panels made by self-colour, hot-dip galvanized and stainless steel wires with diameters ranging from 3 to 6 mm, mesh aperture from 25x25 mm to 100x100 mm and panel sizes from 1000x2000 mm to 1600x5000 mm (selected patterns only). The wide stock available, unique on the market for variety and quantity, is a guarantee of prompt, efficient service.

APPLICATIONS

- > Structural steel works
- > Steel stockholders
- > Building materials
- > Manufacturing industry
- > Blacksmiths
- > Metalworking

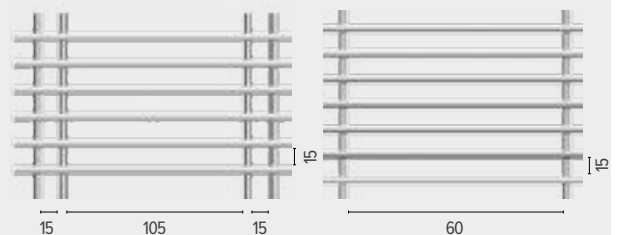


Different types of finish are available depending on panel size: polished (self -colour), pre-galvanized, stainless steel AISI 304.

MESH			WIRE			DIMENSIONS			FINISH		
H	L	Ø	H	L	Weight	Polished (self-colour)	Pre-galvanized	Stainless Steel AISI 304			
mm	mm	mm	mm	mm	kg/m²						
25	25	3	1225	2000	5.60	■	■				
30	30	3	1000	2000	3.43	■		■			
30	30	3	1200	2400	3.43	■	■	■			
40	40	3	1000	2000	2.60	■		■			
40	40	3	1200	2400	2.60	■		■			
40	40	4	1000	2000	4.70	■					
40	40	4	1200	2400	4.70	■	■				
40	40	4	1600	2000	4.70	■	■				
50	50	3	1000	2000	2.08	■					
50	50	3	1200	2400	2.08	■		■			
50	50	4	1000	2000	3.76	■	■	■			
50	50	4	1200	2400	3.76	■	■	■			
50	50	4	1600	2000	3.76	■	■				
50	50	4	1600	5000	3.76	■	■				
50	50	4	2000	2500	3.76	■					
50	50	5	1000	2000	5.68	■					
50	50	5	1200	2400	5.68	■					
50	25	3/4	2000	2500	3.56	■	■				
100	100	4	1200	2400	1.88	■					
100	100	5	1200	2400	2.84	■					
100	100	6	1200	2400	4.14	■					
100	100	6	1600	2000	4.14	■					
100	50	4	2000	2500	2.82	■	■				
100	50	6	1000	2000	6.21	■					
100	50	6	1600	2000	6.21	■	■				

DEFIM™ SAFETY MESH

TEC 15+105x15 finger-proof and RT 60x11 phalanx-proof wire meshes are designed to realize moving elements protection, in compliance with national and international safety standards.



TEC safety wire mesh

RT safety wire mesh

MESH			WIRE			DIMENSIONS			FINISH		
H	L	Ø	H	L	Weight	Polished (self-colour)	Pre-galvanized	Stainless Steel AISI 304			
mm	mm	mm	mm	mm	kg/m²						
TEC	3	1000	2000	4.27	■	■		■			
TEC	3	1240	2400	4.27	■		■	■			
RT 60	11	3	1200	2400	5.46	■	■				



ARMEDIL® electro-welded wire mesh has been studied to solve the concrete blocks cracking issues. The range includes different mesh patterns for all requirements, from the standard types (ARMEDIL and ARMEDIL LIGHT) to the ones for more professional and technical applications in wire diameters 3, 4 and 6 mm.

ARMEDIL® - nominal wire diameter is 1.8 mm: this is the classic anti-crack wire mesh for those requiring a product with superior characteristics.

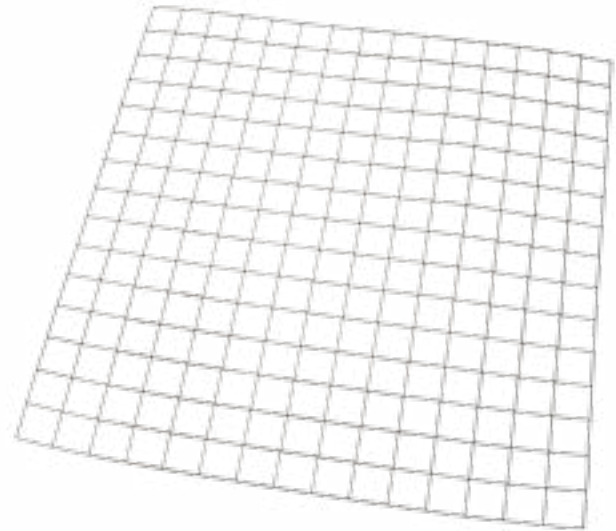
ARMEDIL® LIGHT - nominal wire diameter is 1.5 mm: same quality as ARMEDIL®, but made by a different wire diameter and studied to be more competitive for large surfaces projects.

APPLICATIONS

- > Quick-setting concrete
- > Underfloor
- > Vertical plasterwork
- > Heated floors

FORMATS

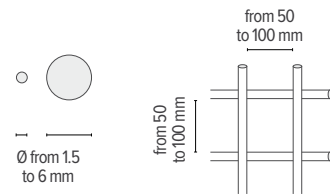
In the range are available with 100x100 mm aperture, 3, 4, and 6 mm wire diameters, 2000x2000 mm panel dimension (3 and 4 mm wire diameters) and 1600x2000 (6 mm wire diameters), all hot-dip galvanized in accordance with UNI EN 10244-2.



For heated floors



Example of installation



Available in different panel heights ranging from 1000 to 2000 mm.

MESH		WIRE	DIMENSIONS	
H	L	Ø (nominal)	H	L
mm	mm	mm	mm	mm
50	50*	1.5	1000	2000
50	50*	1.8	1000	2000
50	50**	3	1000	2000
100	100**	3	2000	2000
100	100**	4	2000	2000
100	100**	6	1600	2000

* nominal wire diameter

** galvanizing certificate / panels with overhangs



DEFIM ROLL®



Mesh rolls made of 1.70 mm diameter pre-galvanized wire; mesh size 57x76 mm, length 25 m. Supplied on pallets in lots of 12 rolls.

APPLICATIONS

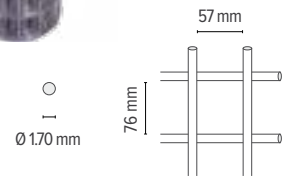
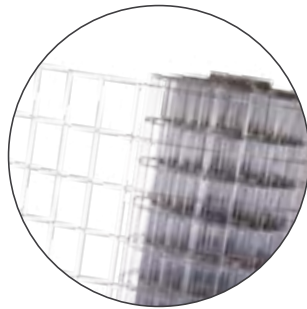
- > Gardens/country fields
- > Animal enclosures
- > DIY applications
- > Construction

FINISH

- > Class "D" galvanizing, according to UNI EN 10244-2 norm

PRODUCT SPECIFICATIONS

Welded pre-galvanized mesh made of Ø 1.7 mm wire, according to UNI EN 10244-2 norm, supplied in 25 m rolls, mesh size 57x76 mm with flash ends.



Wire centre distance measurements.

MESH		WIRE	ROLL - DIMENSIONS		
H	L	Ø	H (nominal)	L	Rolls per pallet
mm	mm	mm	mm	m	mm
76	57	1.70	1000	25	12
76	57	1.70	1200	25	12
76	57	1.70	1500	25	12
76	57	1.70	1800	25	12
76	57	1.70	2000	25	12



DEFIM PLAST



Mesh rolls made of 2.10/1.70 mm diameter galvanized and plastic-coated wire; mesh size 50x76 mm, length 25 m.

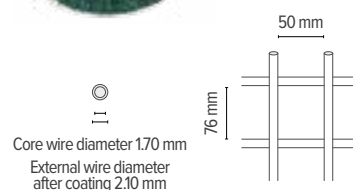
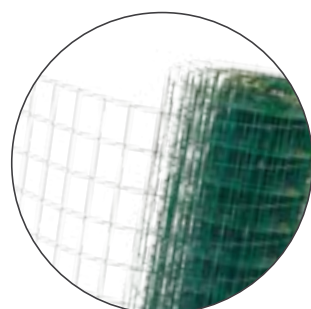
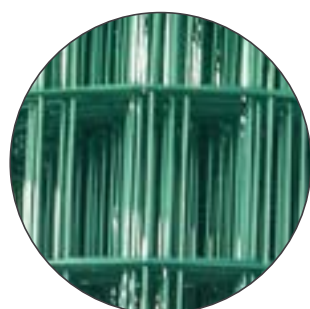
Supplied on pallets in lots of 12 rolls.

APPLICATIONS

- > Gardens/country fields
- > Animal enclosures
- > DIY applications
- > Construction

PRODUCT SPECIFICATIONS

Welded pre-galvanized and plastic-coated mesh made of Ø 1.7 / 2.10 mm wire, supplied in 25 m rolls, mesh size 50x76 mm with flush ends.



Standard height 1000 to 2000 mm.

MESH		WIRE	ROLL - DIMENSIONS		
H	L	Ø	H (nominal)	L	Rolls per pallet
mm	mm	mm	mm	m	mm
76	50	2.10 / 1.70	1000	25	12
76	50	2.10 / 1.70	1200	25	12
76	50	2.10 / 1.70	1500	25	12
76	50	2.10 / 1.70	1800	25	12
76	50	2.10 / 1.70	2000	25	12





GABION MESH

Not just functional but increasingly design components, welded mesh gabions are a multi-purpose quick and modern landscape solution. Their effectiveness is confirmed by NUOVA DEFIM ORSOGRIL mesh panels, available from stock, in different sizes with 3"x3" aperture and wire diameters 3, 4, and 5 mm; finish Zinc aluminium class A (UNI EN 10244-2).

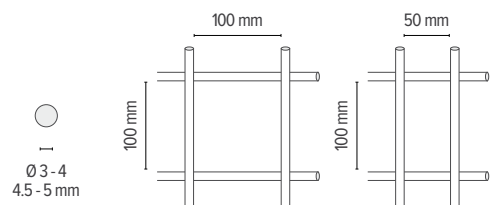
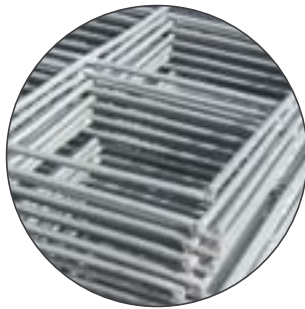
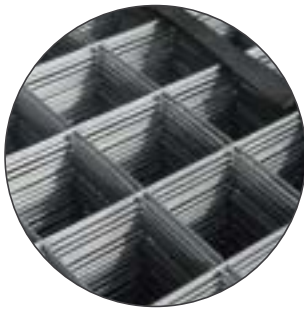
Available on request also panels with 100x100 mm and 100x50 mm mesh sizes, wire 3, 4, 4.5 and 5 mm wire diameters.

APPLICATIONS

- > Military fortifications
- > Retaining walls
- > Flood control
- > Landscaping
- > Fencing

FINISH

- > Zinc-aluminium coating
- > Class "A" heavy galvanizing according to UNI EN 10244-2



3"x3" mesh with zinc-aluminium or heavy galvanizing finish.





Designed for the oil & gas markets, DEFIM PIPE® is the peculiar “crimped” mesh manufactured in rolls, used to allow the adhesion between the concrete and the pipelines, in order to keep them heavy and steady underwater.

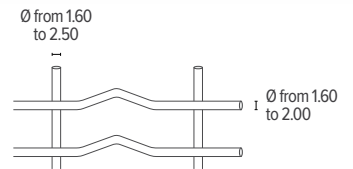
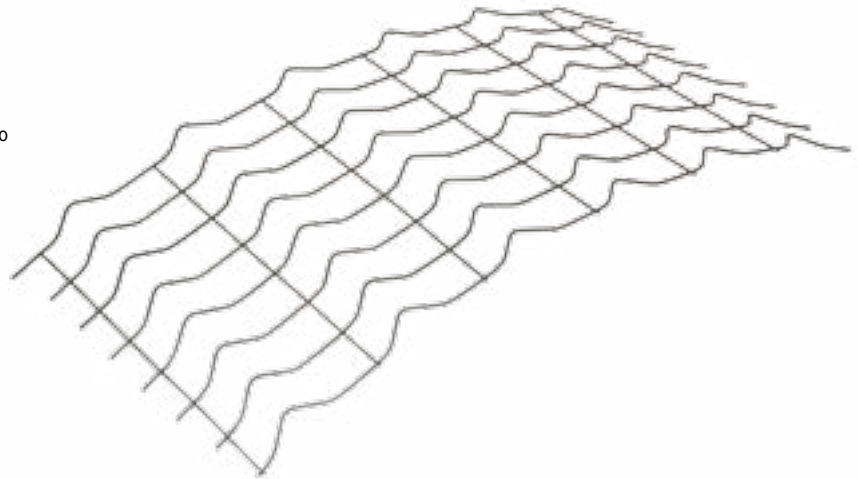
Many years of activity have enabled Nuova DEFIM ORSOGRIL to specialise in the production of welded wire mesh for various high-tech applications, including the oil and gas industry.

APPLICATIONS

- > Underwater gas pipelines
- > Underwater oil pipelines
- > Underwater power line

FINISH

- > Galvanizing according to ASTM A 641/A 641/M



The welded mesh is deeper crimped to improve concrete adhesion.

TYPE	WIRE		ROLL - DIMENSIONS	
	Ø longitudinal	Ø cross wire	L	Weight
	mm	mm	mm	+/- kg
1.60 / 1.60	1.60	1.60	230	42.5
2.00 / 2.00	2.00	2.00	160	46.5
2.50 / 2.00	2.50	2.00	125	52.0

The table above summarize DEFIM PIPE® standard characteristics.

Manufactured according to ASTM A 82-02, ASTM A 185-02, ASTM A641/A 641/M.

