

# GALVANIZED WIRES



**Garg Inox Ltd.**

*we make the wire you desire*



ISO 9001 : 2000 Certified



Government Approved  
Export House

IS - 280 : 2006

IS - 3975 : 1999



INTRODUCTION

Brian Tracy said, "The key to success is to focus our conscious mind on things we desire not things we fear." This closely defines the ideology of Garg Inox.

Garg Inox is an Indian Business group and a major manufacturer and exporter of Ferrous and Non Ferrous Wires in India. The company was established in 1995 with its first plant producing Stainless Steel Wire at Bahadurgarh, Haryana .

The genesis of the group lies in being the best at whatever it ventures into and this is its driving force.

The company produces 42,000 Tons of Ferrous and Non Ferrous wires annually with a turn over of over 70 million US Dollars.

Customer satisfaction has been the motto since the very beginning and keeping in mind the increasing demand the company is now ventured into production of Galvanized Wire at its latest plant at Pune, India. The plant will also be producing Stainless Steel wire, our benchmark product.

The production capacity of this plant is 24000 tones per annum.

The group's endeavor always has been to produce the best quality product at the best price.

The company follows strict quality standards of ISO 9001:2000. It's a government certified export house and has its sales offices in the USA, U.K. and Turkey.



All Products are tested against lowest possible level of Radioactive Contamination (RaC).

# GALVANIZED WIRE

## Hot Dipped Zinc Plated Wire

Hot-dipped zinc plated wire is also known as hot dipped Galvanized Wire or thermal Galvanized Wire. It is made by means of wire drawing followed by heat treatment and zinc plating.

Advantages : Uniform Zinc Coating.



Raw Material	SAE 1006 -1070
Diameter of Wire	1.20 - 5.00 mm
Tensile Strength	350 - 1800 N/mm <sup>2</sup>
Weight of Coil	100 - 900 kgs
Zinc Coating	40 - 300 gms/m <sup>2</sup>

## Zinc Coating Weight as per Din 1548

Normal diameter of coated wire in mm	Commercial galvanizing (g / m <sup>2</sup> )		Vertical galvanizing (g / m <sup>2</sup> )	
	Low Carbon wire min.	High Carbon wire min.	Low Carbon wire min.	High Carbon wire min.
from 0,25 to 0,32	20	15	45	45
from 0,32 to 0,40	20	15	70	70
from 0,40 to 0,50	20	15	90	90
from 0,50 to 0,63	30	20	110	110
from 0,63 to 0,71	30	20	120	120
from 0,71 to 0,80	30	20	140	140
from 0,80 to 0,90	40	30	150	150
from 0,90 to 1,00	40	40	170	150
from 1,00 to 1,25	40	40	180	170
from 1,25 to 1,40	50	40	200	180
from 1,40 to 1,60	60	50	210	190
from 1,60 to 1,80	60	60	230	200
from 1,80 to 2,00	70	60	240	210
from 2,00 to 2,24	70	60	240	210
from 2,24 to 2,50	70	60	250	230
from 2,50 to 2,80	90	70	260	230
from 2,80 to 3,15	100	70	270	240
from 3,15 to 3,55	110	80	280	250
from 3,55 to 4,00	120	90	290	260
from 4,00 to 5,00	130	100	290	275



## Zinc Coating Weight as per BS 443

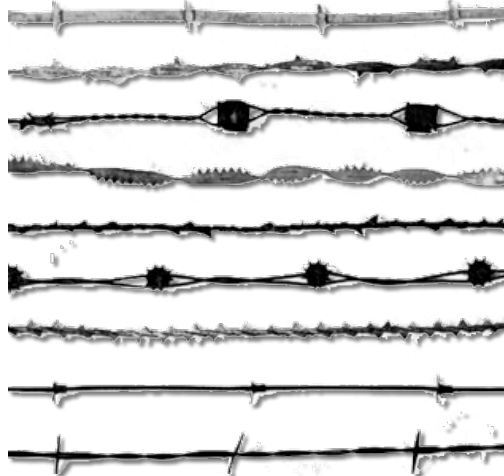
Nominal Diameter of Coated Wire		Wire of tensile strength less than 540 n/mm <sup>2</sup>			Wire of tensile strength 540 n/mm <sup>2</sup> and a above		
Over	Up to and incl.	Min. mass of coat.	Number of dips.		Min. mass of coat.	Number of dips.	
mm	mm	g/m <sup>2</sup>	minute	half min.	g/m <sup>2</sup>	minute	half min.
0,23	0,33	45	no test	no test	45	no test	no test
0,33	0,40	60	no test	no test	60	no test	no test
0,40	0,46	75	-	1	75	-	1
0,46	0,53	90	1	-	90	1	-
0,53	0,63	105	1	-	105	1	-
0,63	0,75	120	1	-	120	1	-
0,75	0,85	135	1	1	135	1	1
0,85	0,95	150	1	1	140	1	1
0,95	1,06	170	2	-	150	1	1
1,06	1,18	185	2	-	160	2	-
1,18	1,32	200	2	-	170	2	-
1,32	1,55	215	2	-	180	2	-
1,55	1,80	230	2	1	200	2	-
1,80	2,24	240	3	-	215	2	-
2,24	2,72	260	3	-	230	2	1
2,72	3,15	275	3	1	240	3	-
3,15	3,55	275	3	1	250	3	-
3,55	4,25	290	3	1	260	3	-
4,25	5,80	290	3	1	275	3	1

## Zinc Coating Weight as per ASTM A475 for Galvanized Wire

Nominal Diameter of Coated Wire		Minimum Weight of Coating, Uncoated Wire Surface							
		Type 1 (a)		Class A (b)		Class B (b)		Class C (b)	
mm	in	g/m <sup>2</sup>	oz/ft <sup>2</sup>	g/m <sup>2</sup>	oz/ft <sup>2</sup>	g/m <sup>2</sup>	oz/ft <sup>2</sup>	g/m <sup>2</sup>	oz/ft <sup>2</sup>
1,04	0,041	46	0,15	120	0,40	240	0,80	370	1,20
1,32	0,052	46	0,15	120	0,40	240	0,80	370	1,20
1,57	0,062	46	0,15	150	0,50	310	1,00	460	1,50
1,65	0,065	46	0,15	150	0,50	310	1,00	460	1,50
1,83	0,072	46	0,15	150	0,50	310	1,00	460	1,50
2,03	0,080	92	0,30	180	0,60	370	1,20	550	1,80
2,36	0,093	92	0,30	210	0,70	430	1,40	640	2,10
2,54	0,100	92	0,30	210	0,70	430	1,40	640	2,10
2,64	0,104	92	0,30	240	0,80	490	1,60	730	2,40
2,77	0,109	92	0,30	240	0,80	490	1,60	730	2,40
2,87	0,113	92	0,30	240	0,80	490	1,60	730	2,40
3,05	0,120	92	0,30	260	0,85	520	1,70	780	2,55
3,18	0,125	92	0,30	260	0,85	520	1,70	780	2,55
3,30	0,130	92	0,30	260	0,85	520	1,70	780	2,55
3,63	0,143	120	0,40	270	0,90	550	1,80	820	2,70
3,68	0,145	120	0,40	270	0,90	550	1,80	820	2,70
3,81	0,150	120	0,40	270	0,90	550	1,80	820	2,70
4,09	0,161	120	0,40	270	0,90	550	1,80	820	2,70
4,19	0,163	120	0,40	270	0,90	550	1,80	820	2,70



Wire Ropes



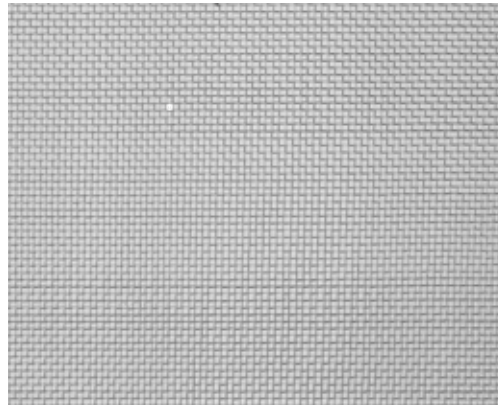
Fencing Wires



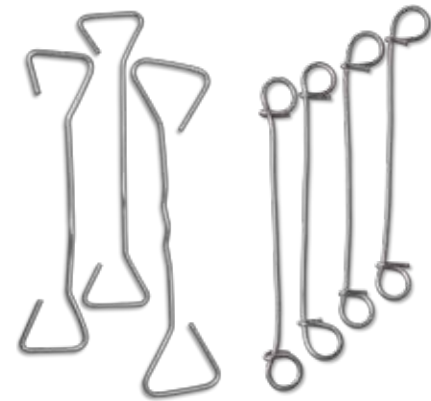
Chain Link Wire



Cables



Wire Mesh



Wall Ties



Welded Mesh



Vineyard Wire



Poultry Cages



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