

Western

WELDED WIRE FABRIC

You Save...

- Steel
- Time
- skilled and semi-skilled labour
- Money

the ideal welded wire mesh for...

- CONCRETE REINFORCEMENT
- FENCING
- PROTECTIVE SCREENS FOR VEHICLES
- COVERINGS FOR WINDOWS & VERANDAHS
- PARTITIONS
- MACHINE GUARDS
- CRATES FOR PACKING
- SHELVES IN VEHICLES
- & NUMEROUS OTHER APPLICATIONS.

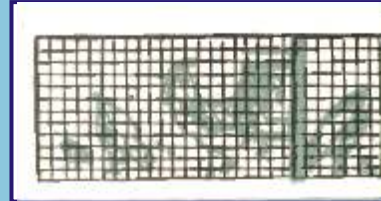
Manufactured by :
WESTERN INDIA WIRE INDUSTRIES

S. No. : 513, Pokhran Road No. 2, Opp. Maitri Gardens, Thane (West), Maharashtra, INDIA.
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WELDED WIRE FABRIC



Description

WESTERN Welded wire Fabric consists of a series of parallel longitudinal wires welded at their intersections with a series of transverse wires by an automatically controlled electrical process without the addition of any metal etc. The hard drawn wires used comply in the respects to IS 432 (part II) and BSS 785. The Welded Wire Fabric conforms to IS. 1566 and BSS :

Standard Size

The mesh and wire sizes given in the tables within are standard sizes the are generally in stock or available from short delivery. Special size required can be made to order.

Sheets can be supplied in maximum widths of 2.7m (9') and Rolls are supplied in standard widths of 0.92m(3'), 1.22m(4'), 1.52m(5') and any width upto 8'6" each roll containing generally 15m(50'), 30m(100'), 45m(150'), 60m(200'), or any specified length.

Advantages

WESTERN Welded Wire Fabric, when used as a Reinforcement as per IS:1566 and with wires of Fe480 grade (IS:432(II)) results in a saving of around 40% of steel vis-a-vis Mild Steel of Fe250 grade, on account of its higher yield point of minimum 480 N/mm² as against 250 N/mm² of rolled mild steel. Vis-a-vis HYSD or Tor Steel bars of Fe 415 grade, WESTERN Welded Wire Fabric offers a saving of around 14.55% steel .

The process of hard drawing results in every section of wire being actually tested as to tensile strength thereby rendering it a more reliable material.

With WESTERN Welded Wire Fabric there is No Laying of Single Bars, No Binding, No Cutting, No Bending, No Hooks, No Small pieces to be lost.

WESTERN Fabric is quick and easy to lay, and once in position is not readily displaced by workmen when laying the concrete, as in often the case when rods are used.

The Bonding Area of a close mesh fabric with welded joints is several times greater than Manually assembled ReBars, since the Mechanical Anchorage action of Cross Welded Joints offers much superior Pull-out strength compared to the mere Peripheral Bonding in Manually assembled ReBars .

Technical Service

Advice and guidance in the most economical usage of Welded Wire Mesh for Concrete Reinforcement or other applications will be gladly provided on request.

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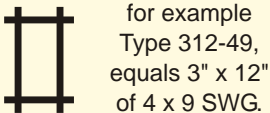
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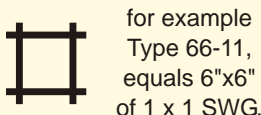


WELDED WIRE FABRIC

RECTANGULAR MESH



SQUARE MESH



Metric Sizes are not exact equivalents of inch sizes but only nearest equivalent sizes selected as per Indian Standards.

WESTERN Fabric Reference Indicates - by its 3 digits after the letters G, R and S - the area of the Main Longitudinal Wires per Foot width or per Metre width for convenience of designers.

G indicates General applications
R indicates Rectangular mesh
S indicates Square mesh

THE STANDARD TYPES OF WESTERN WIRE FABRICS

A Metre Kilogram Units

Type	Western Fabric Ref. No.	Distance Centre to Centre of Wire		Diameter of Wires		Sectional area of wires per Metre width		Weight of Fabric per Sq. metre	
		Main	Cross	Main	Cross	Main	Cross	kg	
		mm	mm	mm	mm	Sq. mm per metre			
FOR GENERAL APPLICATIONS	75x75- 4.0x4.0	33G168M	75	75	4.0	4.0	168	168	2.64
	75x75 -3.15x3.15	33G104M	75	75	3.15	3.15	104	104	1.63
	75x50- 5.3x3.15	32G295M	75	50	5.3	3.15	295	156	3.53
	75x50- 5.3x3.15	32G261M	75	50	5.0	3.15	261	156	3.28
	75x50- 4.0x4.0	32G168M	75	50	4.0	4.0	168	252	3.30
	75x50- 3.15x3.15	32G104M	75	50	3.15	3.15	104	156	2.04
	75x50- 2.65x2.65	32G073M	75	50	2.65	2.65	73	110	1.44
	75x25- 5.3x3.15	31G295M	75	25	5.3	3.15	295	312	4.76
	75x25- 5.0x3.15	31G261M	75	25	5.0	3.15	261	312	4.50
	75x25- 4.0x4.0	31G168M	75	25	4.0	4.0	168	504	5.27
	75x25- 3.15x3.15	31G104M	75	25	3.15	3.15	104	312	3.26
	75x25- 2.65x2.65	31G073M	75	25	2.65	2.65	73	220	2.30
	50x50- 4.0x4.0	22G252M	50	50	4.0	4.0	252	252	3.96
	50x50- 3.15x3.15	22G156M	50	50	3.15	3.15	156	156	2.45
	50x50- 2.65x2.65	22G110M	50	50	2.65	2.65	110	110	1.73
	50x25- 3.15x3.15	21G156M	50	25	3.15	3.15	156	312	3.67
	50x25- 2.65x2.65	21G110M	50	25	2.65	2.65	110	220	2.59
	25x25- 3.15x3.15	11G312M	25	25	3.15	3.15	312	312	4.90
	25x25- 2.65x2.65	11G220M	25	25	2.65	2.65	220	220	3.46
	SQUARE MESH FABRIC								
A393	SA393M	200	200	10	10	393	393	6.16	
A252	SA252M	200	200	8	8	252	252	3.95	
A193	SA193M	200	200	7	7	193	193	3.02	
A142	SA142M	200	200	6	6	142	142	2.22	
A 98	SA 98M	200	200	5	5	98	98	1.54	
STRUCTURAL MESH FABRIC									
B 1131	RB 1131M	100	200	12	8	1131	252	10.90	
B 785	RB 785M	100	200	10	8	785	252	8.14	
B 503	RB 503M	100	200	8	8	503	252	5.93	
B 385	RB 385M	100	200	7	7	385	193	4.53	
B 283	RB 283M	100	200	6	7	283	193	3.73	
B 196	RB 196M	100	200	5	7	196	193	3.05	
LONG MESH FABRIC									
C785	RC785M	100	400	10	6	785	70.8	6.72	
C503	RC503M	100	400	8	5	503	49.0	4.34	
C385	RC385M	100	400	7	5	385	49.0	3.41	
C283	RC283M	100	400	6	5	283	49.0	2.61	
C636	RC636M	100	400	9	6	636	70.8	5.55	
WRAPPING FABRIC									
D49	SD49M	100	100	2.5	2.5	49.1	49.1	0.770	
D31	SD31M	100	100	2.0	2.0	31.4	31.4	0.492	
D98	SD98M	200	200	5.0	5.0	98.0	98.0	1.540	

B Inch Pound Units

Type	Western Fabric Ref. No.	Distance Centre to Centre of Wire		Diameter of Wires		Sectional area of wires per Metre width		Weight of Fabric per Sq. Yd.	
		Main	Cross	Main	Cross	Main	Cross	Sq. Ft.	Sq. Yd.
		ins.	ins.	SWG	SWG	Sq. inches per Ft.		Lbs.	Lbs.
33 - 88	33G080	3"	3"	8	8	0.080	0.080	0.546	4.92
33 - 1010	33G052	3"	3"	10	10	0.052	0.052	0.351	3.16
32 - 510	32G141	3"	2"	5	10	0.141	0.077	0.743	6.69
32 - 610	32G116	3"	2"	6	10	0.116	0.077	0.658	5.92
32 - 88	32G080	3"	2"	8	8	0.080	0.121	0.683	6.15
32 - 1010	32G052	3"	2"	10	10	0.052	0.077	0.439	3.95
32 - 1212	32G034	3"	2"	12	12	0.034	0.051	0.289	2.60
31 - 510	31G141	3"	1"	5	10	0.141	0.155	1.007	9.06
31 - 610	31G116	3"	1"	6	10	0.116	0.155	0.921	8.29
31 - 88	31G080	3"	1"	8	8	0.080	0.241	1.093	9.84
31 - 1010	31G052	3"	1"	10	10	0.052	0.155	0.702	6.32
31 - 1212	31G034	3"	1"	12	12	0.034	0.102	0.462	4.16
22 - 88	22G121	2"	2"	8	8	0.121	0.121	0.820	7.38
22 - 1010	22G077	2"	2"	10	10	0.077	0.077	0.527	4.74
22 - 1212	22G051	2"	2"	12	12	0.051	0.051	0.347	3.12
21 - 1010	21G077	2"	1"	10	10	0.077	0.155	0.790	7.11
21 - 1212	21G051	2"	1"	12	12	0.051	0.102	0.520	4.68
11 - 1010	11G155	1"	1"	10	10	0.155	0.155	1.054	9.48
11 - 1212	11G102	1"	1"	12	12	0.102	0.102	0.694	6.24
1	3R503	3"	16"	4/0	4	0.503	0.032	1.817	16.35
2	3R435	3"	16"	3/0	4	0.435	0.032	1.586	14.27
3	3R381	3"	16"	2/0	6	0.381	0.022	1.367	12.31
4	3R330	3"	16"	1/0	6	0.330	0.022	1.195	10.76
5	3R283	3"	16"	1	6	0.283	0.022	1.036	9.32
6	3R239	3"	16"	2	7	0.239	0.018	0.875	7.88
7	3R200	3"	16"	3	8	0.200	0.015	0.730	6.57
8	3R169	3"	12"	4	9	0.169	0.016	0.631	5.67
9	3R141	3"	12"	5	10	0.141	0.013	0.524	4.71
10	3R116	3"	12"	6	10	0.116	0.013	0.438	3.94
12	3R080	3"	12"	8	12	0.080	0.009	0.292	2.72
13	3R052	3"	12"	10	12	0.052	0.009	0.205	1.83
60	6S165	6"	6"	1/0	1/0	0.165	0.165	1.121	10.09
61	6S141	6"	6"	1	1	0.141	0.141	0.962	8.65
62	6S120	6"	6"	2	2	0.120	0.120	0.813	7.32
63	6S100	6"	6"	3	3	0.100	0.100	0.679	6.10
64	6S085	6"	6"	4	4	0.085	0.085	0.575	5.17
65	6S071	6"	6"	5	5	0.071	0.071	0.480	4.32
66	6S058	6"	6"	6	6	0.058	0.058	0.394	3.54
610	6S026	6"	6"	10	10	0.026	0.026	0.176	1.58
44	4S127	4"	4"	4	4	0.127	0.127	0.864	7.77
45	4S106	4"	4"	5	5	0.106	0.106	0.720	6.48
46	4S087	4"	4"	6	6	0.087	0.087	0.592	5.32
48	4S060	4"	4"	8	8	0.060	0.060	0.410	3.69
410	4S039	4"	4"	10	10	0.039	0.039	0.263	2.37
412	4S025	4"	4"	12	12	0.025	0.025	0.173	1.56



WELDED WIRE FABRIC

Full Size Sections of Wire

SWG	Inch. mm	Area (sq. ins.) Area(sq. mm)	Wt./Ft.(lbs.) Wt./Mtr.(Kgs.)
4/0	0.400	0.1257	0.4274
	10.16	81.106	0.635
3/0	0.372	0.1087	0.3696
	9.45	70.138	0.549
2/0	0.348	0.0951	0.3233
	8.84	61.375	0.481
1/0	0.324	0.0824	0.2802
	8.23	53.197	0.417
1	0.300	0.0707	0.2404
	7.62	45.604	0.357
2	0.276	0.0598	0.2033
	7.01	38.595	0.302
3	0.252	0.0499	0.1697
	6.40	32.170	0.252
4	0.232	0.0423	0.1438
	5.89	27.247	0.214
5	0.212	0.0353	0.1200
	5.38	22.733	0.179
6	0.192	0.0290	0.0986
	4.88	18.704	0.146
7	0.176	0.0243	0.0826
	4.47	15.693	0.123
8	0.160	0.0201	0.0683
	4.06	12.946	0.102
9	0.144	0.0163	0.0554
	3.66	10.521	0.0823
10	0.128	0.0129	0.0439
	3.25	8.296	0.0650
11	0.116	0.0106	0.0360
	2.95	6.835	0.0534
12	0.104	0.0085	0.0289
	2.64	5.474	0.0430