

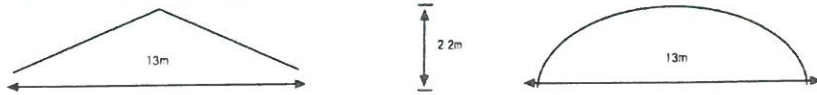
**TABLE OF SIZES, AREA, PERIMETER AND MASS**

Diameter mm	6"	8"	10	12	16	20	25	32	40"
Area mm <sup>2</sup>	28.3	50.3	78.5	113	201	314	491	804	1260
Perimeter mm	18.8	25.1	31.4	37.7	50.3	62.9	78.6	100.6	125.7
Mass Kg/m	0.222	0.395	0.617	0.888	1.58	2.47	3.85	6.31	9.86

- \*1. Normal stock item in Mild Steel Grade only.
  - \*2. Not a stock item.
- Non stock items only available subject to a special order, possible delay and additional cost.

**STOCK LENGTHS:** 9m to 13m in 1 metre increments. Longer lengths are available by special arrangement, subject to possible delay and additional cost.

**TRANSPORTATION:** For convenience in transporting bars, dimensions should not exceed the following:



**WELDED MESH FABRIC REINFORCEMENT STANDARD FABRICS**

FABRIC	MESH SIZE Nominal Pitch of Wires		WIRES SIZES		CROSS SECTIONAL AREA/m <sup>2</sup> WIDTH		NOMINAL MASS/m <sup>2</sup> Kg	SUPPLIED IN	
	Ref No.	Main mm	Cross mm	Main mm	Cross mm	Main mm			Cross mm
SQUARE MESH FABRIC	888	200	200	12	12	566	566	8.88	SHEETS ONLY 6m x 2.4m
	746	200	200	11	11	475	475	7.46	
	617	200	200	10	10	393	393	6.17	
	500	200	200	9	9	318	318	5.00	
	395	200	200	8	8	251	251	3.95	
	311	200	200	7.1	7.1	198	198	3.11	
	246	200	200	6.3	6.3	156	156	2.46	
	193	200	200	5.6	5.6	123	123	1.93	
	100	200	200	4.0	4.0	63	63	1.00	
	DESIGN MESH FABRIC	1065	100	200	12	8	1131	251	
943		100	200	11	8	951	251	9.43	
772		100	200	10	7.1	786	198	7.72	
655		100	200	9	7.1	636	198	6.55	
517		100	200	8	6.3	503	156	5.17	
433		100	200	7.1	6.3	396	156	4.33	
341		100	200	6.3	5.6	312	123	3.41	
289		100	200	5.6	5.6	246	123	2.89	
278		100	300	6.3	4.0	312	42	2.78	
226		100	300	5.6	4.0	246	42	2.26	
LONGITUDINAL MESH FABRIC	133	100	300	4.0	4.0	126	42	1.33	SHEETS 8m x 2.4m OR ROLLS 60m x 2.4m
	200	100	100	4.0	4.0	126	126	2.00	
SPECIAL MESH	156	100	100	3.55	3.55	99	99	1.56	

**STRUCTURAL FABRIC REINFORCEMENT DESIGN DATA**  
cross sectional areas at various spacing mm<sup>2</sup>/m  
MASS AT VARIOUS SPACING kg/m<sup>2</sup>

DIA mm	AREA mm <sup>2</sup>	MASS Kg/m	wire spacing mm												DIA
			50	75	100	125	150	175	200	225	250	275	300		
12	113.11	0.888	2262	1508	1131	905	754	646	566	503	452	411	371	12	
			17.76	11.84	8.88	7.10	5.92	5.07	4.44	3.95	3.55	3.23	2.96		
11	95.05	0.746	1981	1267	950	760	634	543	475	422	380	346	317	11	
			14.92	9.95	7.46	5.97	4.97	4.26	3.73	3.32	2.99	2.71	2.49		
10	78.55	0.617	1571	1047	786	620	524	449	393	349	318	286	262	10	
			12.34	8.23	6.17	4.94	4.11	3.53	3.09	2.74	2.47	2.24	2.06		
9	63.63	0.500	1273	848	636	509	424	364	318	283	255	231	212	9	
			10.00	6.67	5.00	4.00	3.33	2.86	2.50	2.22	2.00	1.82	1.67		
8	50.27	0.395	1085	670	507	407	335	287	247	211	187	167	149	8	
			7.50	5.22	3.95	3.16	2.63	2.26	1.98	1.76	1.58	1.44	1.32		
7.1	39.60	0.311	797	528	396	317	264	226	198	176	158	144	132	7.1	
			6.22	4.15	3.11	2.45	2.07	1.78	1.56	1.38	1.24	1.13	1.04		
6.3	31.10	0.245	624	416	312	249	208	178	156	139	125	113	104	6.3	
			4.90	3.27	2.45	1.96	1.63	1.40	1.23	1.09	0.98	0.89	0.82		
5.6	24.63	0.193	493	328	246	197	164	141	123	109	99	90	82	5.6	
			3.86	2.57	1.93	1.54	1.29	1.10	0.97	0.86	0.77	0.70	0.64		
4	12.57	0.100	251	168	126	101	84	72	63	56	50	46	42	4	
			2.00	1.33	1.00	0.80	0.67	0.57	0.50	0.44	0.40	0.36	0.33		

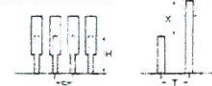
**BAR GRIP**  
SPlicing SYSTEMS

**STANDARD SPLICE**

NOMINAL DIMENSIONS (mm)							WEIGHTS (kg)			
Bar Diam.	Sleeve min. l/D before pressing	Approx. sleeve O/D after pressing	Hot rolled bar sleeve length		C/W Terbar sleeve length		Hot rolled bar sleeve		C/W Ter bar sleeve	Bar Diam.
			Unpressed	Pressed	Unpressed	Pressed				
16	18.8	25	80	89	112	124	0.17	0.23	0.23	16
20	23.3	32	100	111	140	154	0.33	0.46	0.46	20
25	29.0	39	125	138	175	193	0.63	0.88	0.88	25
32	37.3	50	160	179	224	249	1.33	1.86	1.86	32
40	46.3	63	200	224	280	310	2.56	3.58	3.58	40

**MINIMUM BAR SPACING DIMENSIONS (mm)**

- H Height of bar end above concrete
  - C Centre of bars
  - T Centres of rows of bars
  - X Height of one row of bars above another
  - U Distance of row from structure
- Continuous slab-column  
(e.g. formwork  
or wall)



Bar Diam.	H	C	T	U	X	Press
16	135	65	100	140	135	BG400
20	150	70	105	140	150	BG400
25	170	75	115	145	170	BG400
		195	165	155	215	195
32	225	110	160	220	225	BG1140
		115	175	225	260	Bg1140

Dimensions H and X are applicable to cold worked bars. These dimensions can be reduced by one bar diameter if hot rolled bars are used. If dies are to be removed below the splice H and X do not apply.

N.B. When there is more than one row, the rear Bars must be spliced completely first.