

## Strength of Reinforcement

Designation	Nominal Sizes	Specified Characteristic Yield Strength
	mm	N/mm <sup>2</sup>
Hot rolled mild steel (BS 4449)	All sizes	250
Hot rolled high yield (BS 4449)	All sizes	410
Cold worked high yield (BS 4461)	Up to and including 16 over 16	460
		425
Hard Drawn steel wire (BS 4482)	Up to and including 12	485

## Imperial Wire Section

SWG	1	2	3	4	5	6	10
dia.mm	7.62	7.01	6.40	5.89	5.38	4.88	3.25
ins	0.300	0.276	0.252	0.232	0.212	0.192	0.128
mass kg/m	0.358	0.303	0.252	0.214	0.179	0.146	0.065
lb/ft	0.240	0.203	0.170	0.144	0.120	0.98	0.044
area mm <sup>2</sup>	45.6	38.6	32.2	27.3	22.7	18.7	8.3
in <sup>2</sup>	0.0707	0.0598	0.0499	0.0422	0.0352	0.0290	0.0129

## Fabric Comparison Chart

Metric Fabric	A4	A5	A6	A6.5	A7	A8	A9	A10
Cross-sectional area								
mm <sup>2</sup> /m	54 (0.026)	123 (0.058)	149 (0.071)	179 (0.085)	211 (0.100)	253 (0.120)	299 (0.141)	
(m <sup>2</sup> /ft)								
Imperial Fabric	610	66	65	64	63	62	61	