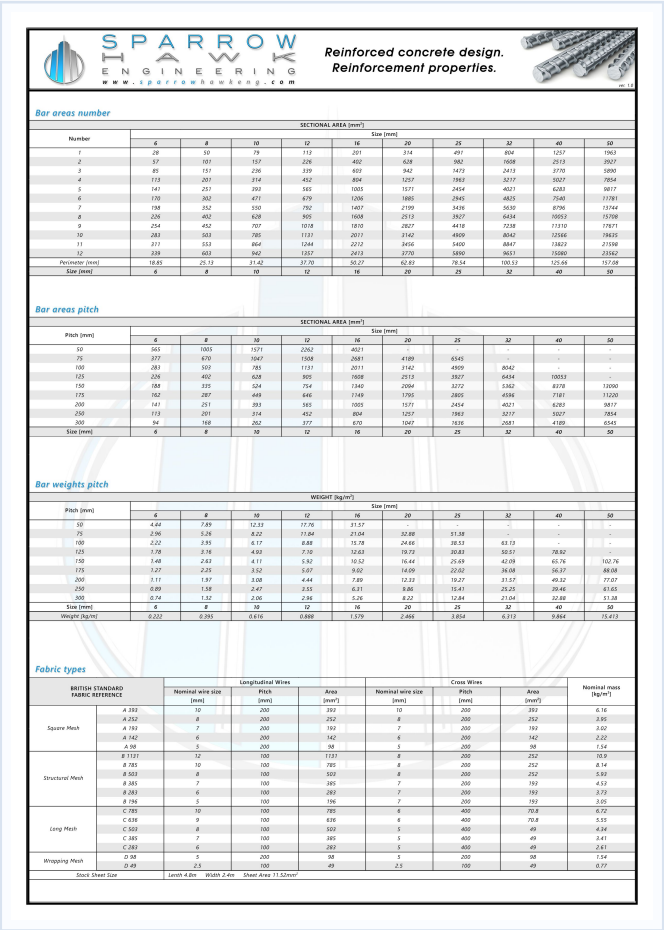
Rebar Size Chart: A Quick Reference Guide

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Reinforced concrete design.
Reinforcement properties.

Bar areas number

SECTIONAL AREA [mm²]

Number	Size [mm]									
	6	8	10	12	16	20	25	32	40	50
1	28	50	79	113	201	314	491	804	1257	1963
2	57	101	157	226	402	628	982	1608	2513	3927
3	85	151	236	339	603	942	1473	2413	3770	5890
4	113	201	314	452	804	1257	1963	3217	5027	7854
5	141	251	393	565	1005	1571	2454	4021	6283	9817
6	170	302	471	679	1206	1885	2945	4825	7540	11781
7	198	352	550	792	1407	2199	3436	5630	8796	13744
8	226	402	628	905	1608	2513	3927	6434	10053	15708
9	254	452	707	1018	1810	2827	4418	7238	11310	17671
10	283	503	785	1131	2011	3142	4909	8042	12566	19635
11	311	553	864	1244	2212	3456	5400	8847	13823	21598
12	339	603	942	1357	2413	3770	5890	9651	15080	23562
Perimeter [mm]	18.85	25.13	31.42	37.70	50.27	62.83	78.54	100.53	125.66	157.08
Size [mm]	6	8	10	12	16	20	25	32	40	50

Bar areas pitch

SECTIONAL AREA [mm²]

Pitch [mm]	Size [mm]									
	6	8	10	12	16	20	25	32	40	50
50	565	1005	1571	2262	4021	-	-	-	-	-
75	377	670	1047	1508	2681	4189	6545	-	-	-
100	283	503	785	1131	2011	3142	4909	8042	-	-
125	226	402	628	905	1608	2513	3927	6434	10053	-
150	188	335	524	754	1340	2094	3272	5362	8378	13090
175	162	287	449	646	1149	1795	2805	4596	7181	11220
200	141	251	393	565	1005	1571	2454	4021	6283	9817
250	113	201	314	452	804	1257	1963	3217	5027	7854
300	94	168	262	377	670	1047	1636	2681	4189	6545
Size [mm]	6	8	10	12	16	20	25	32	40	50

Bar weights pitch

WEIGHT [kg/m²]

Pitch [mm]	Size [mm]									
	6	8	10	12	16	20	25	32	40	50
50	4.44	7.89	12.33	17.76	31.57	-	-	-	-	-
75	2.96	5.26	8.22	11.84	21.04	32.88	51.38	-	-	-
100	2.22	3.95	6.17	8.88	15.78	24.66	38.53	63.13	-	-
125	1.78	3.16	4.93	7.10	12.63	19.73	30.83	50.51	78.92	-
150	1.48	2.63	4.11	5.92	10.52	16.44	25.69	42.09	65.76	102.76
175	1.27	2.25	3.52	5.07	9.02	14.09	22.02	36.08	56.37	88.08
200	1.11	1.97	3.08	4.44	7.89	12.33	19.27	31.57	49.32	77.07
250	0.89	1.58	2.47	3.55	6.31	9.86	15.41	25.25	39.46	61.65
300	0.74	1.32	2.06	2.96	5.26	8.22	12.84	21.04	32.88	51.38
Size [mm]	6	8	10	12	16	20	25	32	40	50
Weight [kg/m]	0.222	0.395	0.616	0.888	1.579	2.466	3.854	6.312	9.864	15.413

Fabric types

BRITISH STANDARD FABRIC REFERENCE		Longitudinal Wires			Cross Wires			Nominal mass [kg/m²]
		Nominal wire size [mm]	Pitch [mm]	Area [mm²/m]	Nominal wire size [mm]	Pitch [mm]	Area [mm²/m]	
Square Mesh	A 393	10	200	393	10	200	393	6.16
	A 252	8	200	252	8	200	252	3.95
	A 193	7	200	193	7	200	193	3.02
	A 142	6	200	142	6	200	142	2.22
	A 98	5	200	98	5	200	98	1.54
Structural Mesh	B 1131	12	100	1131	8	200	252	10.9
	B 785	10	100	785	8	200	252	8.14
	B 503	8	100	503	8	200	252	5.93
	B 385	7	100	385	7	200	193	4.53
	B 283	6	100	283	7	200	193	3.73
	B 196	5	100	196	7	200	193	3.05
Long Mesh	C 785	10	100	785	6	400	70.8	6.72
	C 636	9	100	636	6	400	70.8	5.55
	C 503	8	100	503	5	400	49	4.34
	C 385	7	100	385	5	400	49	3.41
	C 283	6	100	283	5	400	49	2.61
Wrapping Mesh	D 98	5	200	98	5	200	98	1.54
	D 49	2.5	100	49	2.5	100	49	0.77
Stock Sheet Size		Length 4.8m	Width 2.4m	Sheet Area 11.52mm²				

Printing & Usage Overview

A common misconception about rebar size charts is that they are complex and intimidating, but in reality, they are a simple and incredibly useful tool for anyone working with concrete reinforcement. These charts provide a straightforward way to understand and select the right rebar size, often based on the nominal size or bar diameter. It's a quick reference guide that ensures you get the correct steel bar grades and dimensions for your project. While there may be variations in values and formats depending on your region and specific standards, the rebar size chart remains a reliable starting point. Understanding the Rebar Size Chart: A Practical Overview The rebar size chart is a handy reference tool for anyone working with concrete reinforcement. It provides a quick and easy way to determine the appropriate size and strength of steel bars needed for a project. This chart is essential for ensuring the

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https://sandbox.independent.com/rebar-size-chart

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