

FIGURE 10 - 1

Bar Size Designation	Nominal Diameter (in)	Weight (lb/ft)	Cross Section Area (sq in)	Perimeter (in)	AREA OF STEEL (sq in) PER FOOT WHEN SPACED AS FOLLOWS:																	
					3.0 in	4.0 in	4.5 in	5.0 in	5.5 in	6.0 in	6.5 in	7.0 in	7.5 in	8.0 in	8.5 in	9.0 in	9.5 in	10.0 in	10.5 in	11.0 in	11.5 in	12.0 in
#3	0.375	0.376	0.11	1.178	0.44	0.33	0.29	0.26	0.24	0.22	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.11
#4	0.500	0.668	0.20	1.571	0.80	0.60	0.53	0.48	0.44	0.40	0.37	0.34	0.32	0.30	0.28	0.27	0.25	0.24	0.23	0.22	0.21	0.20
#5	0.625	1.043	0.31	1.963	1.24	0.93	0.83	0.74	0.68	0.62	0.57	0.53	0.50	0.47	0.44	0.41	0.39	0.37	0.35	0.34	0.32	0.31
#6	0.750	1.502	0.44	2.356	1.76	1.32	1.17	1.06	0.96	0.88	0.81	0.75	0.70	0.66	0.62	0.59	0.56	0.53	0.50	0.48	0.46	0.44
#7	0.875	2.044	0.60	2.749	2.40	1.80	1.60	1.44	1.31	1.20	1.11	1.03	0.96	0.90	0.85	0.80	0.76	0.72	0.69	0.65	0.63	0.60
#8	1.000	2.670	0.79	3.142	3.16	2.37	2.11	1.90	1.72	1.58	1.46	1.35	1.26	1.19	1.12	1.05	1.00	0.95	0.90	0.86	0.82	0.79
#9	1.128	3.400	1.00	3.544	4.00	3.00	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00
#10	1.270	4.303	1.27	3.990	5.08	3.81	3.39	3.05	2.77	2.54	2.34	2.18	2.03	1.91	1.79	1.69	1.60	1.52	1.45	1.39	1.33	1.27
#11	1.410	5.313	1.56	4.430	6.24	4.68	4.16	3.74	3.40	3.12	2.88	2.67	2.50	2.34	2.20	2.08	1.97	1.87	1.78	1.70	1.63	1.56

AREAS, WEIGHTS AND SPACING OF BARS
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FIGURE 10 - 1 M

Bar Size Designation	Nominal Diameter (mm)	Mass (kg/m)	Cross Section Area (sq mm)	Perimeter (mm)	AREA OF STEEL (sq mm) PER METER WHEN SPACED AS FOLLOWS:																				
					100 mm	110 mm	120 mm	130 mm	140 mm	150 mm	160 mm	170 mm	180 mm	190 mm	200 mm	210 mm	220 mm	230 mm	240 mm	250 mm	260 mm	270 mm	280 mm	290 mm	300 mm
#10	9.5	0.560	71	29.9	710	645	592	546	507	473	444	418	394	374	355	338	323	309	296	284	273	263	254	245	237
#13	12.7	0.994	129	39.9	1290	1173	1075	992	921	860	806	759	717	679	645	614	586	561	538	516	496	478	461	445	430
#16	15.9	1.552	199	49.9	1990	1809	1658	1531	1421	1327	1244	1171	1106	1047	995	948	905	865	829	796	765	737	711	686	663
#19	19.1	2.235	284	59.8	2840	2582	2367	2185	2029	1893	1775	1671	1578	1495	1420	1352	1291	1235	1183	1136	1092	1052	1014	979	947
#22	22.2	3.042	387	69.8	3870	3518	3225	2977	2764	2580	2419	2276	2150	2037	1935	1843	1759	1683	1613	1548	1488	1433	1382	1334	1290
#25	25.4	3.973	510	79.8	5100	4636	4250	3923	3643	3400	3188	3000	2833	2684	2550	2429	2318	2217	2125	2040	1962	1889	1821	1759	1700
#29	28.7	5.060	645	90.0	6450	5864	5375	4962	4607	4300	4031	3794	3583	3395	3225	3071	2932	2804	2688	2580	2481	2389	2304	2224	2150
#32	32.3	6.404	819	101.3	8190	7445	6825	6300	5850	5460	5119	4818	4550	4311	4095	3900	3723	3561	3413	3276	3150	3033	2925	2824	2730
#36	35.8	7.907	1006	112.5	10060	9145	8383	7738	7186	6707	6288	5918	5589	5295	5030	4790	4573	4374	4192	4024	3869	3726	3593	3469	3353

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