



TECHNICAL DATA CAPACITY CHARTS

12" GEAR HEAD

12" GEAR HEAD SHUTTLES CAPACITY								
SHUTTLE	1/4" / 6.35mm	3/8" / 9.52mm	1/2" / 12.7mm	5/8" / 15.88mm	3/4" / 19.05mm	7/8" / 22.22mm	1" / 25.4mm	1-1/4" / 31.75mm
WIRE SIZE	MIN F.I.D. 1.500"/38.1mm	MIN F.I.D. 1.656"/42.0mm	MIN F.I.D. 1.875"/47.6mm	MIN F.I.D. 2.093"/53.1mm	MIN F.I.D. 2.328"/59.1mm	MIN F.I.D. 2.562"/65.0mm	MIN F.I.D. 2.796"/71.0mm	MIN F.I.D. 3.265"/82.9mm
AWG / mm	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER
#8 / 3.26mm	23 / 7.0	30 / 9.1	38 / 11.5	50 / 15.2	62 / 18.8	73 / 22.2	85 / 25.9	109 / 33.2
#9 / 2.9mm	29 / 8.8	44 / 13.4	59 / 17.9	73 / 22.2	88 / 26.8	103 / 31.3	118 / 35.9	147 / 44.8
#10 / 2.58mm	35 / 10.6	53 / 16.1	70 / 21.3	106 / 32.3	123 / 37.4	141 / 42.9	159 / 48.4	212 / 64.6
#11 / 2.3mm	48 / 14.6	70 / 21.3	88 / 26.8	129 / 39.3	141 / 42.9	159 / 48.4	194 / 59.1	230 / 70.1
#12 / 2.05mm	61 / 18.5	82 / 24.9	123 / 37.4	144 / 43.8	185 / 56.3	206 / 62.7	247 / 75.2	309 / 94.1
#13 / 1.83mm	70 / 21.3	118 / 35.9	141 / 42.9	188 / 57.3	236 / 71.9	283 / 86.2	306 / 93.2	401 / 122.2
#14 / 1.63mm	79 / 24.0	132 / 40.2	185 / 56.3	238 / 72.5	292 / 89.0	345 / 105.1	398 / 121.3	504 / 153.6
#15 / 1.45mm	118 / 35.9	177 / 53.9	236 / 71.9	295 / 89.9	383 / 116.7	442 / 134.7	501 / 152.7	619 / 188.6
#16 / 1.29mm	141 / 42.9	247 / 75.2	318 / 96.9	424 / 129.2	495 / 150.8	601 / 183.1	672 / 204.8	849 / 258.7
#17 / 1.15mm	191 / 58.2	306 / 93.2	421 / 128.3	498 / 151.7	613 / 186.8	728 / 221.8	843 / 256.9	1035 / 315.4
#18 / 1.02mm	265 / 80.7	398 / 121.3	531 / 161.8	663 / 202	796 / 242.6	929 / 283.1	1062 / 323.6	1371 / 417.8
#19 / 0.91mm	300 / 91.4	501 / 152.7	651 / 198.4	852 / 259.6	1003 / 305.7	1203 / 366.6	1354 / 412.6	1705 / 519.6
#20 / 0.81mm	392 / 119.4	616 / 187.7	840 / 256	1064 / 324.3	1289 / 392.8	1513 / 461.1	1737 / 529.4	2185 / 665.9

12" GEAR HEAD / MINIMUM FINISHED COIL ID WINDING ON THE CENTER LINE								
SHUTTLE	1/4" / 6.35mm	3/8" / 9.52mm	1/2" / 12.7mm	5/8" / 15.88mm	3/4" / 19.05mm	7/8" / 22.22mm	1" / 25.4mm	1-1/4" / 31.75mm
COIL HEIGHT	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm
1" / 25.4mm	1.500 / 38.1	1.656 / 42.0	1.875 / 47.6	2.093 / 53.1	2.328 / 59.1	2.562 / 65.0	2.796 / 71.0	3.265 / 82.9
1-1/2" / 38.1mm	1.531 / 38.8	1.687 / 42.8	1.906 / 48.4	2.125 / 53.9	2.343 / 59.5	2.578 / 65.4	2.812 / 71.4	3.281 / 83.3
2" / 50.8mm	1.562 / 39.6	1.718 / 43.6	1.937 / 49.1	2.156 / 54.7	2.375 / 60.3	2.593 / 65.8	2.828 / 71.8	3.296 / 83.7
2-1/2" / 63.5mm	1.625 / 41.2	1.750 / 44.4	1.968 / 49.9	2.187 / 55.5	2.406 / 61.1	2.625 / 66.6	2.843 / 72.2	3.312 / 84.1
3" / 76.2mm	1.718 / 43.6	1.781 / 45.2	2.000 / 50.8	2.218 / 56.3	2.437 / 61.8	2.656 / 67.4	2.875 / 73.0	3.343 / 84.9
3-1/2" / 88.9mm	1.812 / 46.0	1.812 / 46.0	2.031 / 51.5	2.250 / 57.1	2.468 / 62.6	2.687 / 68.2	2.906 / 73.8	3.375 / 85.7
4" / 101.6mm	1.906 / 48.4	1.906 / 48.4	2.093 / 53.1	2.281 / 57.9	2.500 / 63.5	2.718 / 69.0	2.937 / 74.5	3.406 / 86.5
4-1/2" / 114.3mm	2.000 / 50.8	2.000 / 50.8	2.156 / 54.7	2.343 / 59.5	2.562 / 65.0	2.781 / 70.6	3.000 / 76.2	3.437 / 87.2
5" / 127mm	2.125 / 53.9	2.125 / 53.9	2.250 / 57.1	2.437 / 61.8	2.625 / 66.6	2.843 / 72.2	3.062 / 77.7	3.500 / 88.9
5-1/2" / 139.7mm	2.343 / 59.5	2.343 / 59.5	2.343 / 59.5	2.531 / 64.2	2.718 / 69.0	2.937 / 74.5	3.156 / 80.1	3.593 / 91.2
6" / 152.4mm	2.468 / 62.6	2.468 / 62.6	2.468 / 62.6	2.656 / 67.4	2.843 / 72.2	3.031 / 76.9	3.218 / 81.7	3.656 / 92.8