



# TECHNICAL DATA CAPACITY CHARTS

16" GEAR HEAD

## 16" GEAR HEAD SHUTTLES CAPACITY (FEET / METERS)

SHUTTLE	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	1.500" / 38.1mm
WIRE SIZE	MIN F.I.D. 1.781"/45.2mm	MIN F.I.D. 1.968"/49.9mm	MIN F.I.D. 2.187"/55.5mm	MIN F.I.D. 2.390"/60.7mm	MIN F.I.D. 2.625"/66.6mm	MIN F.I.D. 2.858"/72.6mm	MIN F.I.D. 3.343"/84.9mm	MIN F.I.D. 3.812"/96.8mm
AWG / mm	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER	FEET/METER
#7 / 3.66mm	43 / 13.1	51 / 15.5	67 / 20.4	79 / 24.1	98 / 29.9	127 / 38.7	157 / 47.8	197 / 60.1
#8 / 3.26mm	59 / 18.0	67 / 20.4	98 / 29.9	127 / 38.7	142 / 43.3	158 / 48.2	178 / 54.2	216 / 65.8
#9 / 2.9mm	74 / 22.5	87 / 26.5	141 / 43.0	158 / 48.2	182 / 55.5	206 / 62.8	237 / 72.2	284 / 86.6
#10 / 2.58mm	95 / 29.0	114 / 34.7	166 / 50.6	198 / 60.4	232 / 70.7	265 / 80.8	304 / 92.7	387 / 118.0
#11 / 2.3mm	119 / 36.3	147 / 44.8	210 / 64.0	253 / 77.1	287 / 87.5	325 / 99.1	410 / 125.0	474 / 144.5
#12 / 2.05mm	150 / 45.7	190 / 57.9	262 / 79.9	325 / 99.1	371 / 113.1	416 / 126.8	497 / 151.5	605 / 184.4
#13 / 1.83mm	190 / 57.9	237 / 72.2	324 / 98.8	404 / 123.2	459 / 139.9	514 / 156.7	633 / 193.0	792 / 241.4
#14 / 1.63mm	237 / 72.2	301 / 91.7	404 / 123.2	503 / 153.3	590 / 179.9	653 / 199.1	784 / 239.0	958 / 292.1
#15 / 1.45mm	297 / 90.5	388 / 118.3	506 / 154.2	625 / 190.5	704 / 214.6	819 / 249.7	950 / 289.6	1188 / 363.2
#16 / 1.29mm	376 / 114.6	506 / 154.2	669 / 204.0	796 / 242.7	859 / 261.9	1025 / 312.5	1275 / 388.7	1496 / 456.1
#17 / 1.15mm	471 / 143.6	673 / 205.2	851 / 259.4	1021 / 311.3	1116 / 340.2	1330 / 405.5	1584 / 482.9	1964 / 598.8
#18 / 1.02mm	590 / 179.9	891 / 271.6	1100 / 335.3	1271 / 387.5	1449 / 441.8	1663 / 507.0	2067 / 630.2	2423 / 738.7
#19 / 0.91mm	752 / 229.3	1207 / 368.0	1354 / 412.8	1603 / 488.7	1889 / 575.9	2079 / 633.8	2534 / 772.5	3009 / 917.4
#20 / 0.81mm	942 / 287.2	1504 / 458.5	1694 / 516.5	1980 / 603.6	2380 / 725.6	2613 / 796.6	3136 / 956.1	3746 / 1142.1

## 16" GEAR HEAD / MINIMUM FINISHED COIL ID WINDING ON CENTER LINE

SHUTTLE	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	1-1/2"/38.1mm
COIL HEIGHT	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm	INCHES/mm
1"/25.4mm	1.781/45.2	1.968/49.9	2.187/55.5	2.390/60.7	2.625/66.6	2.859/72.6	3.343/84.9	3.812/96.8
1-1/2"/38.1mm	1.812/46.0	2.000/50.8	2.218/56.3	2.406/61.1	2.640/67.0	2.875/73.0	3.359/85.3	3.828/97.2
2"/50.8mm	1.875/47.6	2.031/51.5	2.250/57.1	2.437/61.8	2.656/67.4	2.890/73.4	3.375/85.7	3.843/97.6
2-1/2"/63.5mm	1.906/48.4	2.062/52.3	2.281/57.9	2.468/62.6	2.687/68.2	2.906/73.8	3.390/86.1	3.859/98.0
3"/76.2mm	1.937/49.1	2.093/53.1	2.312/58.7	2.500/63.5	2.718/69.0	2.937/74.5	3.406/86.5	3.875/98.4
3-1/2"/88.9mm	2.000/50.8	2.125/53.9	2.343/59.5	2.531/64.2	2.750/69.8	2.968/75.3	3.437/87.2	3.906/99.2
4"/101.6mm	2.125/53.9	2.125/53.9	2.375/60.3	2.562/65.0	2.781/70.6	3.000/76.2	3.468/88.0	3.937/99.9
4-1/2"/114.3mm	2.218/56.3	2.218/56.3	2.437/61.8	2.625/66.6	2.812/71.8	3.031/76.9	3.500/88.9	3.968/100.7
5"/127mm	2.281/57.9	2.281/57.9	2.500/63.5	2.687/68.2	2.875/73.0	3.093/78.5	3.562/90.4	4.031/102.3
5-1/2"/139.7mm	2.375/60.3	2.375/60.3	2.562/65.0	2.750/69.8	2.937/74.5	3.125/79.3	3.593/91.2	4.062/103.1
6"/152.4mm	2.500/63.5	2.500/63.5	2.625/66.6	2.812/71.4	3.000/76.2	3.187/80.9	3.625/92.0	4.093/103.9
6-1/2"/165.1mm	2.625/66.6	2.625/66.6	2.687/68.2	2.875/73.0	3.062/77.7	3.250/82.5	3.687/93.6	4.156/105.5
7"/177.8mm	2.812/71.4	2.812/71.4	2.812/71.4	3.000/76.2	3.187/80.9	3.375/85.7	3.812/96.8	4.250/107.9