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# SLIDER TYPE RANDOM WINDING HEAD / SHUTTLE WIRE CAPACITY

AWG. WIRE RANGE	TURNS FEET / METERS	TABLE FOR SHUTTLE WIRE CAPACITY IN SHUTTLE TURNS, FEET, AND METERS						
		#5 HEAD 6" 152.40 MM						
		.200" 5.08	.250" 6.35	.290" 7.36	.320" 8.12	.375" 9.52	.440" 11.17	.625" 15.87
#20 0.811 mm	T F / M						36 54 / 10.9	85 135 / 41.1
#21 0.722 mm	T F / M						45 67 / 20.4	106 168 / 51.2
#22 0.643 mm	T F / M						56 84 / 25.6	132 210 / 64.0
#23 0.573 mm	T F / M				27 40 / 12.1	49 75 / 22.8	69 104 / 31.6	165 262 / 79.8
#24 0.510 mm	T F / M				37 57 / 17.3	60 92 / 28.0	86 129 / 39.3	206 327 / 99.6
#25 0.454 mm	T F / M		26 38 / 11.5	36 54 / 16.4	55 84 / 25.6	75 115 / 35.0	107 160 / 48.7	256 407 / 124
#26 0.404 mm	T F / M		32 47 / 14.3	45 67 / 20.4	68 104 / 44.5	95 146 / 31.6	132 198 / 60.3	320 508 / 154
27 0.370 mm	T F / M		40 59 / 17.9	56 84 / 25.6	85 130 / 39.6	117 180 / 54.8	165 248 / 75.5	397 630 / 192
#28 0.321 mm	T F / M		50 74 / 22.5	69 104 / 31.6	105 161 / 49.0	147 226 / 68.8	205 308 / 93.8	497 790 / 240
#29 0.285 mm	T F / M		62 92 / 28.0	86 129 / 39.3	130 169 / 51.5	167 257 / 78.3	255 383 / 116	611 971 / 296
#30 0.254 mm	T F / M	56 84 / 25.6	78 116 / 35.3	107 160 / 48.7	161 246 / 74.9	228 350 / 106	315 473 / 144	769 1222 / 372
#31 0.226 mm	T F / M	69 103 / 31.3	97 144 / 43.8	132 198 / 60.3	200 306 / 93.2	280 430 / 131	390 585 / 178	940 1494 / 455



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AWG. WIRE RANGE	TURNS FEET / METERS	TABLE FOR SHUTTLE WIRE CAPACITY IN SHUTTLE TURNS, FEET, AND METERS						
		#5 HEAD 6" 152.40 MM						
		.200" 5.08	.250" 6.35	.290" 7.36	.320" 8.12	.375" 9.52	.440" 11.17	.625" 15.87
#32 0.201 mm	T F / M	84 126 / 38.4	120 178 / 54.2	165 248 / 75.5	248 380 / 115	343 527 / 160	485 730 / 222	1151 1829 / 554
#33 0.179 mm	T F / M	106 159 / 48.4	149 222 / 67.6	205 308 / 93.8	308 472 / 143	428 658 / 200	600 900 / 274	1447 2300 / 701
#34 0.160 mm	T F / M	136 204 / 62.1	185 275 / 83.8	255 383 / 116	383 587 / 178	552 848 / 258	750 1120 / 341	1858 2952 / 899
#35 0.142 mm	T F / M	170 255 / 77.7	230 342 / 104	315 473 / 144	475 728 / 221	696 1070 / 326	930 1400 / 426	2335 3710 / 1130
#36 0.127 mm	T F / M	210 316 / 96.3	286 426 / 129	390 585 / 178	590 905 / 275	870 1338 / 407	1150 1720 / 524	2922 4643 / 1415
#37 0.113 mm	T F / M	255 383 / 116	355 529 / 161	485 730 / 222	730 1119 / 341	1040 1560 / 475	1430 2150 / 655	3488 5542 / 1689
#38 0.100 mm	T F / M	324 487 / 148	440 655 / 199	600 900 / 274	905 1388 / 423	1360 2025 / 617	1780 2670 / 813	4415 7015 / 2138
#39 0.089 mm	T F / M	400 601 / 183	545 812 / 247	750 1120 / 341	1120 1718 / 525	1718 2642 / 805	2200 3300 / 1005	5767 9164 / 2793
#40 0.079 mm	T F / M	490 736 / 224	676 1007 / 306	930 1400 / 426	1390 2132 / 649	2098 3226 / 983	2700 4050 / 1234	
#41 0.071 mm	T F / M	607 912 / 277	840 1252 / 381	1150 1720 / 524	1720 2638 / 804	2622 4032 / 1228		
#42 0.063 mm	T F / M	755 1134 / 345	1040 1550 / 472	1430 2150 / 655	2150 3298 / 1005	3373 5187 / 1580		



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# SLIDER TYPE RANDOM WINDING HEAD / SHUTTLE WIRE CAPACITY

COIL HEIGHT		MAX. COIL O.D.		MINIMUM FINISHED COIL INSIDE DIAMETER (IN INCHES USING ROLLER TABLE OR CLAMP)						
				#5 HEAD 6" 152.40 MM						
INCHES	MM	INCHES	MM	.200" 5.08	.250" 6.35	.290" 7.36	.320" 8.12	.375" 9.52	.440" 11.17	.625" 15.87
1/4	6.35	4-7/8	123.62	.210 5.33	.260 6.60	.300 7.62	.330 8.38	.385 9.77	.450 11.43	.700 17.78
1/2	12.70	4-7/8	123.62	.220 5.58	.265 6.73	.310 7.87	.340 8.63	.410 10.41	.460 11.68	.710 18.03
3/4	19.05	4-7/8	123.62	.230 5.84	.280 7.11	.320 8.12	.350 8.89	.435 10.04	.480 12.19	.720 18.28
1	25.40	4-7/8	123.62	.250 6.35	.300 7.62	.340 8.63	.370 9.39	.460 11.68	.500 12.70	.730 18.54
1-1/4	31.75	4-7/8	123.62	.280 7.11	.325 8.25	.370 9.39	.400 10.16	.485 12.31	.530 13.46	.750 19.05
1-1/2	38.10	4-7/8	123.62	.310 7.87	.360 9.14	.400 10.16	.430 10.92	.510 12.95	.560 12.70	.780 19.81
1-3/4	44.45	4-7/8	123.62	.350 8.89	.400 10.16	.440 11.17	.470 11.93	.550 13.97	.600 15.24	.820 20.82
2	50.80	4-7/8	123.62	.390 9.90	.440 11.17	.480 12.19	.520 14.98	.590 14.98	.650 15.87	.860 20.84
2-1/4	57.15	4	101.60	.440 11.17	.500 12.70	.530 13.46	.570 14.47	.650 15.87	.700 17.78	.910 23.11
2-1/2	63.50	3-3/8	85.72	.500 12.70	.560 12.70	.600 15.24	.620 15.74	.710 18.03	.780 19.81	.870 22.09



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## SLIDER CHART FOR RANDOM WINDING HEADS

HEAD	SHUTTLE	SLIDER	AWG	MM
<b>#5 HEAD</b>	<b>.200"</b> <b>5.08</b>	#1	#43	0.063
		#2	#41-#38	0.071-0.100
		#3	#37-#34	0.113-0.160
		#4	#33-#30	0.179-0.254
	<b>.250"</b> <b>6.35</b>	#6	#42-#40	0.063-0.079
		#7	#39-#36	0.089-0.127
		#8	#35-#32	0.142-0.201
		#9	#31-#28	0.226-0.321
		#10	#27-#25	0.360-0.454
	<b>.290"</b> <b>7.36</b>	#32	#42-#40	0.063-0.079
		#33	#39-#36	0.089-0.127
		#34	#35-#33	0.0142-0.179
		#35	#32-#29	0.201-0.285
		#36	#28-#25	0.321-0.454



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## SLIDER CHART FOR RANDOM WINDING HEADS

HEAD	SHUTTLE	SLIDER	AWG	MM
<b>#5 HEAD</b>	<b>.320"</b> <b>8.12</b>	#19	#42-#40	0.063-0.079
		#20	#39-#36	0.089-0.127
		#21	#35-#32	0.142-0.201
		#22	#31-#28	0.226-0.321
		#23	#27-#25	0.360-0.454
	<b>.440"</b> <b>11.17</b>	#38	#40-#38	0.079-0.100
		#39	#37-#35	0.113-0.142
		#40	#34-#31	0.160-0.226
		#41	#30-#27	0.254-0.360
		#42	#26-#23	0.404-0.357
		#43	#22-#20	0.634-0.811
	<b>.625"</b> <b>15.87</b>	#51	#39-#37	0.089-0.113
		#52	#36-#33	0.127-0.179
		#53	#32-#29	0.201-0.285
		#54	#28-#25	0.321-0.454
#55		#24-#20	0.510-0.811	