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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				
		#4 HEAD				
		5" DIA		95.25 MM		
		.160" 4.06	.200" 5.08	.250" 6.35	.320" 8.12	.440" 11.17
#20 0.811 mm	T F/M					36 45 / 13.7
#21 0.722 mm	T F/M					45 57 / 17.3
#22 0.643 mm	T F/M					56 71 / 21.6
#23 0.573 mm	T F/M					69 87 / 26.5
#24 0.510 mm	T F/M					86 109 / 33.2
#25 0.454 mm	T F/M			26 32 / 9.7	55 69 / 21.0	107 135 / 41.1
#26 0.404 mm	T F/M			32 40 / 12.1	68 85 / 26.0	132 167 / 51.0
27 0.370 mm	T F/M			40 50 / 15.2	85 105 / 32.0	165 209 / 63.7
#28 0.321 mm	T F/M			50 62 / 18.8	105 130 / 39.6	205 260 / 79.2
#29 0.285 mm	T F/M			62 77 / 23.4	130 161 / 49.0	255 323 / 98.4
#30 0.254 mm	T F/M	33 40 / 12.1	56 70 / 21.3	78 97 / 29.5	161 200 / 61.0	315 399 / 121
#31 0.226 mm	T F/M	41 50 / 15.2	69 86 / 26.2	97 121 / 36.8	200 248 / 75.5	390 495 / 150



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		#4 HEAD				
		5" DIA		95.25 MM		
		.160" 4.06	.200" 5.08	.250" 6.35	.320" 8.12	.440" 11.17
#32 0.201 mm	T F/M	51 63 / 19.2	84 105 / 320	120 149 / 45.4	248 308 / 93.8	485 615 / 187
#33 0.179 mm	T F/M	64 79 / 24.0	106 132 / 40.2	149 185 / 56.3	308 383 / 116	600 761 / 231
#34 0.160 mm	T F/M	80 99 / 30.1	136 170 / 51.8	185 230 / 70.1	383 475 / 144	750 952 / 290
#35 0.142 mm	T F/M	100 123 / 37.4	170 212 / 64.6	230 287 / 87.4	475 590 / 179	930 1180 / 359
#36 0.127 mm	T F/M	125 155 / 47.2	210 262 / 79.8	286 356 / 108	590 730 / 222	1150 1460 / 445
#37 0.113 mm	T F/M	156 193 / 58.8	255 318 / 97.0	355 443 / 135	730 905 / 275	1430 1815 / 553
#38 0.100 mm	T F/M	194 240 / 73.1	324 405 / 123	440 548 / 167	905 1120 / 341	1780 2259 / 688
#39 0.089 mm	T F/M	240 297 / 90.7	400 500 / 152	545 680 / 207	1120 1390 / 423	2200 2793 / 851
#40 0.079 mm	T F/M	300 371 / 113	490 612 / 186	676 843 / 257	1390 1720 / 524	2700 3427 / 1044
#41 0.071 mm	T F/M	375 464 / 141	607 758 / 231	840 1048 / 319	1720 2150 / 655	
#42 0.063 mm	T F/M	470 582 / 177	755 943 / 287	1040 1307 / 398	2150 2650 / 807	



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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)				
				#4 HEAD 5" DIA 95.25 MM				
INCHES	MM	INCHES	MM	.160" 4.06	.200" 5.08	.250" 6.35	.320" 8.12	.440" 11.17
1/4	6.35	3-1/2	88.90	.200 5.08	.210 5.53	.260 6.60	.330 8.38	.450 11.43
1/2	12.70	3-1/2	88.90	.210 5.33	.225 5.71	.270 6.85	.340 8.63	.465 11.81
3/4	19.05	3-1/2	88.90	.230 5.84	.240 6.09	.290 7.36	.360 9.14	.490 12.44
1	25.40	3-1/2	88.90	.250 6.35	.260 6.60	.310 7.87	.380 9.65	.520 13.20
1-1/4	31.75	3-1/2	88.90	.275 6.89	.300 7.62	.340 8.63	.420 10.66	.550 13.97
1-1/2	38.10	3-1/4	82.55	.310 7.87	.340 8.63	.380 9.65	.460 11.68	.600 15.24
1-3/4	44.45	2-1/2	63.50	.350 8.89	.380 9.65	.430 10.92	.510 12.95	.650 15.87
2	50.80	2-1/4	57.15	.400 10.16	.430 10.92	.490 12.44	.570 14.47	.710 18.03



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SLIDER CHART FOR RANDOM WINDING HEADS

HEAD	SHUTTLE	SLIDER	AWG	MM
#4 HEAD	.160" 1.52	#1	#42	0.063
		#2	#41-#38	0.071-0.100
		#3	#37-#34	0.113-0.160
		#4	#33-#30	0.179-0.100
	.250" 6.35	#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



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SLIDER CHART FOR RANDOM WINDING HEADS

HEAD	SHUTTLE	SLIDER	AWG	MM
#4 HEAD	.320" 8.12	#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
	.440" 11.17	#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	0.404-0.573
		#43	#22-#20	0.643-0.811