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SHUTTLE GEAR AND MAGAZINE TYPE LAYER WINDING HEAD DATA / MAGAZINE WIRE CAPACITY

WIRE SIZE AWG	TURNS FEET / METERS	MAGAZINE WIDTH IN INCHES AND MM	
		#2U HEAD 2" DIA. 50.80 MM	
		ST'D. MAG.	
		.030" 0.76	.060" 1.52
#28 0.32 mm	T F/M	8 5 / 1.5	21 13 / 3.9
#29 0.28 mm	T F/M	10 6 / 4.8	26 16 / 4.8
#30 0.25 mm	T F/M	13 8 / 2.4	32 19 / 5.8
#31 0.22 mm	T F/M	16 10 / 3.0	40 24 / 7.3
#32 0.20 mm	T F/M	19 12 / 3.6	49 30 / 9.1
#33 0.17 mm	T F/M	24 15 / 4.5	61 37 / 11.2
#34 0.16 mm	T F/M	32 20 / 6.0	76 46 / 14.0
#35 0.14 mm	T F/M	40 24 / 7.3	95 58 / 17.6
#36 0.12 mm	T F/M	50 30 / 9.1	117 72 / 22.0
#37 0.11 mm	T F/M	61 37 / 11.2	146 90 / 27.4
#38 0.10 mm	T F/M	77 47 / 14.3	180 111 / 33.8
#39 0.09 mm	T F/M	101 62 / 18.8	222 137 / 41.7
#40 0.08 mm	T F/M	123 75 / 22.8	275 170 / 51.8
#41 0.07 mm	T F/M	154 95 / 29.0	340 210 / 64.0



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WIRE SIZE AWG	TURNS FEET / METERS	MAGAZINE WIDTH IN INCHES AND MM				
		#4U HEAD 4" DIA. 101.60 MM				
		ST'D. MAG.			LIGHT MAG.	
		.070" 1.77	.100" 2.54	.250" 6.35	.060" 1.52	.100" 2.54
#25 0.45 mm	T F/M	15 15 / 4.5	23 23 / 7.0	69 69 / 21.0		
#26 0.40 mm	F/M	18 18 / 5.4	29 29 / 8.8	85 85 / 25.9		
#27 0.36 mm	T F/M	23 23 / 7.0	36 36 / 10.9	106 106 / 32.3	17 17 / 5.1	33 33 / 10.0
#28 0.32 mm	T F/M	29 29 / 8.8	45 45 / 13.7	134 134 / 40.8	22 22 / 6.7	42 42 / 12.8
#29 0.28 mm	T F/M	36 36 / 10.9	56 56 / 17.0	164 164 / 50.0	27 27 / 8.2	52 52 / 15.8
#30 0.25 mm	T F/M	45 45 / 13.7	71 71 / 21.6	206 206 / 62.7	33 33 / 10.0	64 64 / 19.5
#31 0.22 mm	T F/M	56 56 / 17.0	88 88 / 26.8	252 252 / 76.8	42 42 / 12.8	80 80 / 24.3
#32 0.20 mm	T F/M	70 70 / 21.3	106 106 / 32.3	310 310 / 94.4	52 52 / 15.8	100 100 / 30.4
#33 0.17 mm	T F/M	87 87 / 26.5	145 145 / 44.1	386 386 / 117	64 64 / 19.5	124 124 / 37.7
#34 0.16 mm	T F/M	108 108 / 33.0	180 180 / 54.8	498 498 / 151	80 80 / 24.3	154 154 / 47.0
#35 0.14 mm	T F/M	146 146 / 44.5	223 223 / 68.0	610 610 / 186	100 100 / 30.4	190 190 / 58.0
#36 0.12 mm	T F/M	180 180 / 54.8	276 276 / 84.1	755 755 / 230	124 124 / 37.7	235 235 / 71.6
#37 0.11 mm	T F/M	223 223 / 68.0	343 343 / 104	885 885 / 269	154 154 / 47.0	295 295 / 90.0
#38 0.10 mm	T F/M	276 276 / 84.1	425 425 / 129	1030 1030 / 314	190 190 / 58.0	365 365 / 111
#39 0.09 mm	T F/M	343 343 / 104	528 528 / 161	1230 1230 / 375	235 235 / 37.5	455 455 / 138
#40 0.08 mm	T F/M				295 295 / 90.0	570 570 / 173



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SHUTTLE GEAR AND MAGAZINE TYPE LAYER WINDING HEAD DATA / MAGAZINE WIRE CAPACITY

WIRE SIZE AWG	TURNS FEET / METERS	MAGAZINE WIDTH IN INCHES AND MM						
		#6U HEAD 6" DIA. 152.40 MM						
		ST'D. MAG.					LIGHT MAG.	
		.070" 1.77	.100" 2.54	.125" 3.17	.187" 4.74	.250" 6.35	.070" 1.77	.100" 2.54
#20 0.81 mm	T F/M	8 12 / 3.6	13 19 / 5.8	15 25 / 7.6	24 39 / 11.8	35 53 / 16.1		
#21 0.72 mm	T F/M	11 16 / 4.8	17 26 / 7.9	21 32 / 9.7	33 51 / 15.5	47 71 / 21.6		
#22 0.64 mm	T F/M	14 20 / 6.0	21 33 / 10.0	27 39 / 11.8	42 63 / 19.2	59 89 / 27.1		
#23 0.57 mm	T F/M	17 25 / 7.6	27 41 / 12.5	33 49 / 14.9	52 79 / 24.0	73 111 / 33.8		
#24 0.51 mm	T F/M	21 32 / 9.7	34 51 / 15.5	41 62 / 18.9	65 97 / 29.5	91 138 / 42.0		
#25 0.45 mm	T F/M	26 33 / 11.8	42 63 / 19.2	52 79 / 24.0	81 123 / 37.5	113 171 / 52.1	22 31 / 9.4	36 55 / 16.7
#26 0.40 mm	T F/M	32 48 / 14.6	52 79 / 24.0	65 99 / 30.1	100 152 / 46.3	140 212 / 64.6	26 39 / 11.8	45 68 / 20.7
#27 0.36 mm	T F/M	40 60 / 18.2	65 99 / 30.1	81 123 / 37.5	124 188 / 57.3	174 265 / 80.7	32 48 / 14.6	56 85 / 25.9
#28 0.32 mm	T F/M	50 76 / 23.1	81 123 / 37.5	100 152 / 46.3	154 234 / 71.3	216 328 / 99.9	40 60 / 18.2	69 105 / 32.0
#29 0.28 mm	T F/M	62 94 / 28.6	100 152 / 46.3	124 188 / 57.3	190 291 / 88.7	267 405 / 123	50 76 / 23.1	86 130 / 39.6
#30 0.25 mm	T F/M	77 177 / 54.0	124 188 / 57.3	154 235 / 71.6	236 359 / 109	332 505 / 154	62 94 / 28.6	107 162 / 49.3



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WIRE SIZE AWG	TURNS FEET / METERS	MAGAZINE WIDTH IN INCHES AND MM						
		#6U HEAD 6" DIA. 152.40 MM						
		ST'D. MAG.					LIGHT MAG.	
		.070" 1.77	.100" 2.54	.125" 3.17	.187" 4.74	.250" 6.35	.070" 1.77	.100" 2.54
#31 0.22 mm	T F/M	95 144 / 43.8	154 234 / 71.3	190 291 / 88.6	294 444 / 135	412 625 / 190	77 177 / 54.0	132 200 / 61.0
#32 0.20 mm	T F/M	118 179 / 54.5	191 291 / 88.6	236 359 / 109	365 555 / 169	510 775 / 236	95 144 / 43.8	165 250 / 76.2
#33 0.17 mm	T F/M	146 221 / 67.3	237 360 / 109	294 444 / 135	452 685 / 208	632 960 / 292	118 179 / 54.5	204 310 / 94.4
#34 0.16 mm	T F/M	185 280 / 85.3	239 445 / 135	365 555 / 169	560 850 / 259	785 1190 / 362	146 221 / 67.3	254 385 / 117
#35 0.14 mm	T F/M	242 366 / 111	320 561 / 171	452 685 / 208	708 1070 / 326	990 1500 / 457	185 280 / 85.3	315 478 / 145
#36 0.12 mm	T F/M	310 470 / 143	484 735 / 224	560 850 / 259	922 400 / 121	1290 1960 / 597	242 366 / 111	390 591 / 180
#37 0.11 mm	T F/M	620 941 / 286	620 941 / 286	708 1070 / 326	1180 1800 / 548	1665 2530 / 771	310 470 / 143	484 735 / 223



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SHUTTLE GEAR AND MAGAZINE TYPE LAYER WINDING HEAD DATA / MAGAZINE WIRE CAPACITY

WIRE SIZE AWG	TURNS FEET / METERS	MAGAZINE WIDTH IN INCHES AND MM		
		#H6U HEAD HEAVY 6" DIA. 152.40 MM		
		MAGAZINE		
		.156" 3.96	.250" 6.35	.375" 9.52
#16 1.29 mm	T F/M	13 19 / 5.8	21 32 / 9.7	31 48 / 14.6
#17 1.15 mm	T F/M	15 22 / 6.7	24 36 / 10.9	36 54 / 16.4
#18 1.02 mm	T F/M	20 31 / 9.4	33 50 / 15.2	49 75 / 22.8
#19 0.91 mm	T F/M	23 35 / 10.6	38 57 / 17.3	57 85 / 25.9
#20 0.81 mm	T F/M	27 41 / 12.4	44 66 / 20.1	66 99 / 30.1
#21 0.72 mm	T F/M	35 53 / 16.1	57 85 / 25.9	85 127 / 38.7
#22 0.64 mm	T F/M	49 73 / 22.2	79 117 / 35.6	118 175 / 53.3
#23 0.57 mm	T F/M	63 93 / 28.3	101 150 / 45.7	151 225 / 68.5
#24 0.51 mm	T F/M	71 105 / 32.0	114 169 / 51.5	171 253 / 77.1
#25 0.45 mm	T F/M	90 133 / 40.5	177 213 / 64.9	216 319 / 97.2
#26 0.40 mm	T F/M	118 175 / 53.3	190 281 / 85.6	285 421 / 128
#27 0.36 mm	T F/M	134 200 / 50.9	216 320 / 97.5	324 480 / 146
#28 0.32 mm	T F/M	178 263 / 80.1	285 421 / 128	427 633 / 193
#29 0.28 mm	T F/M	217 322 / 98.1	349 516 / 157	523 774 / 236
#30 0.25 mm	T F/M	268 396 / 120	429 635 / 193	643 952 / 193



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SHUTTLE GEAR AND MAGAZINE TYPE LAYER WINDING HEAD DATA / MAGAZINE WIRE CAPACITY

WIRE SIZE AWG	TURNS FEET / METERS	MAGAZINE WIDTH IN INCHES AND MM		
		#HX6U HEAD HEAVY 6" 152.40 MM		
		MAGAZINE		
		.156" 3.96	.250" 6.35	.375" 9.52
#15 1.45 mm	T F/M	10 15 / 4.5	16 24 / 7.3	24 36 / 11.0
#16 1.29 mm	T F/M	13 19 / 5.8	21 32 / 9.7	31 48 / 14.6
#17 1.15 mm	T F/M	15 22 / 6.7	24 36 / 10.9	36 54 / 16.4
#18 1.02 mm	T F/M	20 31 / 9.4	33 50 / 15.2	49 75 / 22.8
#19 0.91 mm	T F/M	23 35 / 10.6	38 57 / 17.3	57 85 / 25.9
#20 0.81 mm	T F/M	27 41 / 12.4	44 66 / 20.1	66 99 / 30.1
#21 0.72 mm	T F/M	35 53 / 16.1	57 85 / 25.9	85 127 / 38.7
#22 0.64 mm	T F/M	49 73 / 22.2	79 117 / 35.6	118 175 / 53.3
#23 0.57 mm	T F/M	63 93 / 28.3	101 150 / 45.7	151 225 / 68.5
#24 0.51 mm	T F/M	71 105 / 32.0	114 169 / 51.5	171 253 / 77.1
#25 0.45 mm	T F/M	90 133 / 40.5	144 213 / 64.9	216 319 / 97.2



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COIL HEIGHT		MINIMUM FINISHED COIL INSIDE DIAMETER	
		#2U HEAD 2" DIA. 50.80 MM	
		ST'D. MAG.	
INCHES	MM	.030" 0.76	.060" 1.52
1/4	6.35	.265 6.73	.281 7.13
1/2	12.70	.281 7.13	.296 7.51
3/4	19.05	.312 7.92	.343 8.71
1	25.40	.343 8.71	.406 10.31



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COIL HEIGHT		MINIMUM FINISHED COIL INSIDE DIAMETER				
		#4U HEAD 4" DIA. 101.60 MM				
		ST'D. MAG.			LIGHT MAG.	
INCHES	MM	.070" 1.77	.100" 2.54	.250" 6.35	.060" 1.52	.100" 2.54
1/4	6.35	.312 7.92	.375 9.52	.484 12.29	.296 7.51	.359 9.11
1/2	12.70	.359 9.11	.390 9.90	.484 12.29	.328 8.33	.375 9.52
3/4	19.05	.375 9.52	.406 10.31	.500 12.70	.343 8.71	.390 9.90
1	25.40	.390 9.90	.437 11.09	.515 13.08	.359 9.11	.406 10.31
1-1/4	31.75	.421 10.69	.453 11.50	.531 13.48	.390 9.90	.421 10.69



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COIL HEIGHT		MINIMUM FINISHED COIL INSIDE DIAMETER						
		#6U HEAD 6" DIA. 152.40 MM						
		ST'D. MAG.					LIGHT MAG.	
INCHES	MM	.070" 1.77	.100" 2.54	.125" 3.17	.187" 4.74	.250" 6.35	.070" 1.77	.100" 2.54
1/4	6.35	.406 10.31	.468 11.88	.484 12.29	.531 13.48	.593 15.06	.343 8.71	.375 9.52
1/2	12.70	.406 10.31	.468 11.88	.484 12.29	.531 13.48	.593 15.06	.343 8.71	.375 9.52
3/4	19.05	.421 10.69	.484 12.29	.500 12.70	.546 13.86	.609 15.46	.359 9.11	.390 9.90
1	25.40	.437 11.09	.500 12.70	.515 13.08	.562 14.27	.625 15.87	.375 9.52	.406 10.31
1-1/4	31.75	.453 11.50	.515 13.08	.531 13.48	.578 14.68	.640 16.25	.406 10.31	.421 10.69
1-1/2	38.10	.484 12.29	.531 13.48	.546 13.86	.593 15.05	.656 16.66	.421 10.69	.437 11.09



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COIL HEIGHT		MINIMUM FINISHED COIL INSIDE DIAMETER		
		#H6U HEAD HEAVY 6" DIA. 152.40 MM		
		MAGAZINE		
INCHES	MM	.156" 3.96	.250" 6.35	.375" 9.52
1/4	6.35	.718 18.23	.750 19.05	.875 22.22
1/2	12.70	.718 18.23	.750 19.05	.875 22.22
3/4	19.05	.750 19.05	.781 19.83	.906 23.01
1	25.40	.781 19.83	.812 20.62	.937 23.79
1-1/4	31.75	.812 20.62	.843 21.41	.968 24.58
1-1/2	38.10	.843 21.41	.875 22.22	1.000 25.40



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COIL HEIGHT		MINIMUM FINISHED COIL INSIDE DIAMETER		
		#HX6U HEAD HEAVY 6" 152.40 MM		
		MAGAZINE		
INCHES	MM	.156" 3.96	.250" 6.35	.375" 9.52
1/4	6.35	.718 18.23	.750 19.05	.875 22.22
1/2	12.70	.718 18.23	.750 19.05	.875 22.22
3/4	19.05	.750 19.05	.781 19.83	.906 23.01
1	25.40	.781 19.83	.812 20.62	.937 23.79
1-1/4	31.75	.812 20.62	.843 21.41	.968 24.58
1-1/2	38.10	.843 21.41	.875 22.22	1.000 25.40