ANEXO A

TABLAS Y FIGURAS DE CATÁLOGO MARTIN SPROCKET AND GEAR (2004) PARA SELECCIÓN DE IMPULSORES DE BANDA

[ANEXO A-1]

TABLE 5 - SERVICE FACTORS

THE CORRECT SERVICE FACTOR IS DETERMINED BY:

- 1. The extent and frequency of peak loads.
- The number of operating hours per year, broken down into average hours per day of continuous service.
- The proper service category (intermittent, normal or continuous). Select the one that most closely approximates your application conditions.

INTERMITTENT SERVICE - SERVICE FACTOR 1.0 TO 1.5

- a Light Duty Not more than 6 hours per day.
- b Never exceeding rated load.

NORMAL SERVICE - SERVICE FACTOR 1.1 TO 1.6

- a Daily service 6 to 16 hours per day.
- b Where occasional starting or peak load does not exceed 200% of the full load

CONTINUOUS SERVICE - SERVICE FACTOR 1.2 TO 1.8

- a Where starting or peak load is in excess of 200% of the full load or where starting or peak loads and overloads occur frequently.
- b Continuous service 16 to 24 hours per day.

	TYPICAL SERVI	CE FACTORS		X des Care C							
DRIVEN MACHINE TYPES		DRIVER TYPES									
Driven machine types noted below are representative samples only. Select a category most closely approximating your application from those listed below. IF IDLERS ARE USED, ADD THE FOLLOWING TO THE SERVICE FACTOR. Idler on slack side (inside) None Idler on slack side (outside) 0.1 Idler on bight side (inside) 0.1 Idler on bight side (inside) 0.2	AC DC	CTRIC MOTORS: Normal Torque Squirrel Cage and Synchronous Split Phase Shunt Wound mal Combustion Engine	ELECTRIC MOTORS: AC Hi-Torque AC Hi-Slip AC Repulsion-Induction AC Single Phase Series Wound AC Slip Ring DC Compound Wound								
	INTERMITTENT SERVICE	NORMAL SERVICE	CONTINUOUS SERVICE	INTERMITTENT SERVICE	NORMAL SERVICE	CONTINUOUS SERVICE					
Agitators for Liquids Blowers and Exhausters Centrifugal Pumps and Compressors1.0 Fans up to 10 HP Light Duty Conveyors	1.0	1.1	1.2	1.1	1.2	1.3					
Belt Conveyors For Sand, Grain, etc. Dough Mixers Fans Over 10 HP Generators Line Shafts Laundry Machinery Machine Tools Punches-Presses-Shears Printing Machinery Positive Displacement Rotary Pumps Revolving and Vibrating Screens	1.1	12	13	1.2	1.3	1.4					
Brick Machinery Bucket Elevators Exciters Piston Compressors Conveyors (Drag-Pan-Screw) Hammer Mills Paper Mill Beaters Piston Pumps Piston Pumps Positive Displacement Blowers Pulverizers Saw Mill and Woodworking Machinery Textile Machinery	1.2	1.3	14	1.4	1.5	1.6					
Crushers (Gyratory-Jaw-Roll) Mills (Ball-Rod-Tube) Hoists Rubber Calenders-Extruders-Mills	1.3	1.4	1.5	1.5	1.6	1.8					
Chokable Equipment	2.0	2.0	2.0	2.0	2.0	2.0					

FOR A GOOD COMMERCIAL DRIVE SELECTION, USE CONTINUOUS SERVICE FACTOR

TABLE 6 - Hi-Cap Cross Section Selection Chart

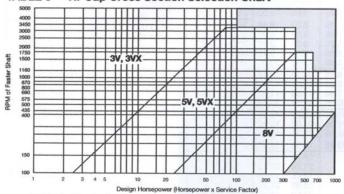
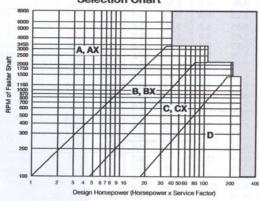


TABLE 7 — Conventional Cross Section Selection Chart



Shaded area refer to factory.

TABLE 8 — Minimum Recommended Sheave Diameters For Electric Motors

MOTOR HORSE-			мото	R RPM		
POWER	575	695	870	1160	1750	3450
.50	2.50	2.50	2.50	-	-	-
.75	3.00	2.50	2.50	2.50	-	-
1.00	3.00	3.00	2.50	2.50	2.25	-
1.50	3.00	3.00	3.00	2.50	2.50	2.25
2.00	3.75	3.00	3.00	2.50	2.50	2.50
3.00	4.50	3.75	3.00	3.00	2.50	2.50
5.00	4.50	4.50	3.75	3.00	3.00	2.50
7.50	4.25	4.50	4.50	3.75	3.00	3.00
10.00	6.00	5.25	4.50	4.50	3.75	3.00
15.00	6.75	6.00	5.25	4.50	4.50	3.75
20.00	8.25	6.75	6.00	5.25	4.50	4.50
25.00	9.00	8.25	6.75	6.00	4.50	4.50*
*30.00	10.00	9.00	6.75	6.75	5.25	_
40.00	10.00	10.00	8.25	6.75	6.00	_
50.00	11.00	10.00	9.00	8.25	6.75	_
60.00	12.00	11.00	10.00	9.00	7.50	_
75.00	14.00	13.00	10.00	10.00	9.00	_
100.00	18.00	15.00	13.00	13.00	10.00	-
125.00	20.00	18.00	15.00	13.00	11.00	_
150.00	22.00	20.00	18.00	13.00	_	_
200.00	22.00	22.00	22.00	-	-	_
250.00	22.00	22.00	-	-	-	_
300.00	27.00	27.00	-	-	-	_

NON-STOCK DRIVE SELECTION PROCDURE

STEP 1. Determine Design Horsepower

A. Refer to Table 5, "Typical Service Factors." Locate the type of driven equipment and extend to the type of driver.

Example: Service factor is 1.3

 B. Check the list of additions for effect of idlers or other drive conditions under notes of Table 5 and correct the service factor, if applicable.
 Example: No additional factor

 Multiply the horsepower requirement of your drive by the corrected service factor.

Example: 75 x 1.3 = 97.5 Design HP

STEP 2. Choose the Belt Cross Section

A. Refer to Table 6 "Hi-Cap Wedge Cross Section Selection Chart", or to Table 7, "Conventional Cross Section Selection Chart." Locate the design horsepower along the horizontal axis. Read up to the intersection with the RPM of the faster shaft. The point at which the lines intersect indicates the recommended belt section. Example: For 97.5 design horsepower and 1160 RPM, 5V section belts are recommended. (The decision to use Hi-Cap Wedge belts was arbitrary, conventional belts could also

Table 9 — Stock Sheave Diameters

[ANEXO A-3]

A		E	3	(;	D		3	٧	5	V	8	V
Outside Diam.	Pitch Diam.												
3.25	3.0	3.75	3.4	5.4	5.0	12.6	12.0	2.20	2.15	4.40	4.30	12.5	12.3
3.45	3.2	3.95	3.6	5.9	5.5	13.6	13.0	2.35	2.30	4.65	4.55	13.2	13.0
3.65	3.4	4.15	3.8	6.4	6.0	14.1	13.5	2.50	2.45	4.90	4.80	14.0	13.8
3.85	3.6	4.35	4.0	7.4	7.0	14.6	14.0	2.65	2.60	5.20	5.10	15.0	14.8
4.05	3.8	4.55	4.2	7.9	7.5	15.1	14.5	2.80	2.75	5.50	5.40	16.0	15.8
4.25	4.0	4.75	4.4	8.4	8.0	15.6	15.0	3.00	2.95	5.90	5.80	17.0	16.8
4.45	4.2	4.95	4.6	8.9	8.5	16.1	15.5	3.15	3.10	6.30	6.20	18.0	17.8
4.65	4.4	5.15	4.8	9.4	9.0	16.6	16.0	3.35	3.30	6.70	6.60	19.0	18.8
4.85	4.6	5.35	5.0	9.9	9.5	18.6	18.0	3.65	3.60	7.10	7.00	20.0	19.8
5.05	4.8	5.55	5.2	10.4	10.0	20.6	20.0	4.12	4.07	7.50	7.40	21.2	21.0
5.25	5.0	5.75	5.4	10.9	10.5	22.6	22.0	4.50	4.45	8.00	7.90	22.4	22.2
5.45	5.2	5.95	5.6	11.4	11.0	27.6	27.0	4.75	4.70	8.50	8.40	24.8	24.6
5.65	5.4	6.15	5.8	12.4	12.0	33.6	33.0	5.00	4.95	9.00	8.90	30.0	29.8
5.85	5.6	6.35	6.0	13.4	13.0	40.6	40.0	5.30	5.25	9.25	9.15	35.5	35.3
6.05	5.8	6.55	6.2	14.4	14.0	48.6	48.0	5.60	5.55	9.75	9.65	40.0	39.8
6.25	6.0	6.75	6.4	16.4	16.0	58.6	58.0	6.00	5.95	10.30	10.20	44.5	44.3
6.45	6.2	6.95	6.6	18.4	18.0		- War	6.50	6.45	10.90	10.80	53.0	52.8
6.65	6.4	7.15	6.8	20.4	20.0			6.90	6.85	11.30	11.20	63.0	62.8
6.85	6.6	7.35	7.0	24.4	24.0			8.00	7.95	11.80	11.70	71.0	70.8
7.25	7.0	7.75	7.4	27.4	27.0			10.60	10.55	12.50	12.40	95.0	94.8
7.85	7.6	8.35	8.0	30.4	30.0			14.00	13.95	13.20	13.10		
8.45	8.2	8.95	8.6	36.4	36.0			19.00	18.95	14.00	13.90		
9.25	9.0	9.75	9.4	44.4	44.0			25.00	24.95	15.00	14.90		
10.85	10.6	11.35	11.0	50.4	50.0	The Property of		33.50	33.45	16.00	15.90		
12.25	12.0	12.75	12.4	FINA						18.70	18.60		T. Park
13.45	13.2	13.95	13.6					THE DOLL	133	21.20	21.10		
15.25	15.0	15.75	15.4						Acres (23.60	23.50		
15.85	15.6	16.35	16.0							28.00	27.90		
18.25	18.0	18.75	18.4							31.50	31.40		
19.85	19.6	20.35	20.0							37.50	37.40		
24.85	24.6	25.35	25.0		111					50.00	49.90		
29.85	29.6	30.35	30.0		UCION		1101		KINSE	- 11 B	HOW		
37.85	37.6	38.35	38.0										

Table 11 — Arc Correction Factor "G"

D-d C	Approximate Arc of Contact on Small Sheave	Factor "G"				
.00	180	1.00				
.10	174	.99				
.20	169	.97				
.30	163	.96				
.40	157	.94				
.50	151	.93				
.60	145	.91				
.70	139	.89				
.80	133	.87				
.90	127	.85				
1.00	120	.82				
1.10	113	.80				
1.20	106	.77				
1.30	99	.73				
1.40	91	.70				
1.50	83	.65				

Sizes shown above bold lines are normally recommended for driver sheaves

Table 10 — Effective Outside Belt Length and Correction Factors

	Α			В			C		S TO	D	1132		3V			5V	25 1		8V	
Belt No.	Eff. Length	Corr. Factor	Belt No.	Eff. Leogth	Corr. Factor	Belt No.	Elf. Length	Corr. Factor	Belt No.	Ett. Length	Corr. Factor	Belt No.	Eff. Length	Corr. Factor	Belt No.	Eff. Length	Corr. Factor	Belt No.	Ett. Length	Corr. Factor
A 26 A 31 A 35 A 38 A 42	28.1 33.1 37.1 40.1 44.1	0.81 0.84 0.87 0.88 0.90	B 35 B 38 B 42 B 46 B 51	37.9 40.9 44.9 48.9 53.9	0.81 0.83 0.85 0.87	C 51 C 60 C 68 C 75	55.2 64.2 72.2 79.2	0.80 0.82 0.85 0.87	D 120 D 128 D144 D 158	125.2 133.2 149.2 163.2	.86 0.87 0.90 0.92	3VX250 3VX 265 3VX 280 3VX 300	25.0 26.5 28.0 30.0	0.83 0.84 0.85 0.86	5VX 500 5VX 530 5VX 560 5VX 600	50.0 53.0 56.0 60.0	0.85 0.86 0.87 0.88	8V1000 8V1060 8V1120 8V1180	100.0 106.0 112.0 118.0	0.87 0.88 0.88
A 46 A 51 A 55 A 60 A 68	48.1 53.1 55.1 62.1 70.1	0.92 0.94 0.96 0.98 1.00	B 55 B 60 B 68 B 75 B 81	57.9 62.9 70.9 77.9 83.9	0.89 0.90 0.92 0.95 0.97 0.98	C 81 C 85 C 90 C 96 C105 C112	85.2 89.2 94.2 100.2 109.2 116.2	0.89 0.90 0.91 0.92 0.94 0.95	D173 D180 D195 D210 D240 D270	178.2 185.2 200.2 212.7 242.7 272.7	0.93 0.94 0.96 0.96 1.00 1.03	3VX 315 3VX 335 3VX 355 3VX 375 3VX 400 3VX 425	31.5 33.5 35.5 37.5 40.0 42.5	0.88 0.89 0.90	5VX 630 5VX 670 5VX710 5VX 750 5VX 800 5VX 850	63.0 67.0 71.0 75.0 80.0 85.0	0.89 0.90 0.91 0.92 0.93 0.94	8V1250 8V1320 8V1400 8V1500 8V1600 8V1700	125.0 132.0 140.0 150.0 160.0 170.0	0.90 0.91 0.92 0.93 0.94 0.95
A 75 A 80 A 85 A 90 A 96	77.1 82.1 87.1 92.1 98.1	1.02 1.04 1.05 1.06 1.08	B 85 B 90 B 97 B105 B112	87.9 92.9 99.9 107.9 114.9	0.99 1.00 1.02 1.04 1.05	C120 C128 C144 C158 C173	124.2 132.2 148.2 162.2 177,2	0.97 0.98 1.00 1.02 1.04	D300 D330 D360 D390 D420	302.7 332.7 362.7 392.7 422.7	1.05 1.07 1.09 1.11 1.12	3VX 450 3VX 475 3VX 500 3VX 530 3VX 560	45.0 47.5 50.0 53.0 56.0	0.94 0.95 0.96 0.97	5VX 900 5VX 950 5VX1000 5VX1060 5VX1120	90.0 95.0 100.0 106.0 112.0	0.95 0.96 0.96 0.97 0.98	8V1800 8V1900 8V2000 8V2120 8V2240	180.0 190.0 200.0 212.0 224.0	0.95 0.96 0.97 0.98 0.98
A105 A112 A120 A128	107.1 114.1 122.1 130.1	1.10 1.11 1.13 1.14	B120 B128 B144 B158 B173	122.9 130.9 146.9 160.9 175.9	1.07 1.08 1.11 1.13 1.15	C180 C195 C210 C240 C270	184.2 199.2 212.2 242.2 272.2	1.05 1.07 1.08 1.11 1.14	D480 D540 D600	482.7 542.7 602.7	1.16 1.18 1.20	3VX 600 3VX 630 3VX 670 3VX 710 3VX 750	60.0 63.0 67.0 71.0 75.0	0.99	5VX1180 5VX1250 5VX1320 5VX1400 5VX1500	118.0 125.0 132.0 140.0 150.0	0.99 1.00 1.01 1.02 1.03	8V2360 8V2500 8V2650 8V2800 8V3000	236.0 250.0 265.0 280.0 300.0	0.99 1.00 1.01 1.00 1.00
	Street I	279057	B180 B195 B210 B240 B270	182.9 197.9 211.4 241.4 271.4	1.16 1.18 1.19 1.22 1.25	C300 C330 C360 C390 C420	302.2 332.2 362.2 392.2 422.2	1.16 1.19 1.21 1.23 1.24				3VX 800 3VX 850 3VX900 3VX 950 3VX1000	80.0 85.0 90.0 95.0 100.0	1.04 1.05 1.07 1.08	5VX1600 5VX1700 5VX1800 5VX1900 5VX2000	160.0 170.0 180.0 190.0 200.0	1.04 1.05 1.06 1.07 1.08	8V3150 8V3350 8V3550 8V3750 8V4000	315.0 335.0 355.0 375.0 400.0	1.03 1.04 1.05 1.06 1.07
			B300	301.4	1.27							3VX1060 3VX1120 3VX1180 3VX1250 3VX1320	106.0 112.0 118.0 125.0 132.0	1.12 1.13	5V 2120 5V 2240 5V 2360 5V 2500 5V 2650	212.0 224.0 236.0 250.0 265.0	1.08 1.09 1.10 1.11 1.12	8V4250 8V4500 8V4750 8V5000	425.0 450.0 475.0 500.0	1.08 1.09 1.10 1.11
	9											3VX1400	140.0	1.16	5V 2800 5V 3000 5V 3150 5V 3350 5V 3550	280.0 300.0 315.0 335.0 355.0	1.13 1.14 1.15 1.16 1.17			

[ANEXO A-4]

RPM of Faster		Sheave Pitch Diameter (In inches)													
Shaft	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	
1160	1.29	1.55	1.81	2.06	2.32	2.57	2.82	3.06	3.31	3.55	3.80	4.04	4.28	4.5	
1750	1.67	2.04	2.41	2.77	3.13	3.48	3.83	4.18	4.52	4.86	5.20	5.53	5.86	6.18	
3500	2.24	2.87	3.48	4.08	4.66	5.22	5.77	6.30	6.82	7.32	7.80	8.26	8.71	9.13	
50	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.23	0.24	0.26	0.27	0.29	0.3	
100	0.20	0.23	0.26	0.28	0.31	0.34	0.37	0.39	0.42	0.45	0.48	0.50	0.53	0.56	
500	0.71	0.83	0.95	1.07	1.20	1.31	1.43	1.55	1.67	1.79	1.90	2.02	2.14	2.2	
600	0.81	0.96	1.10	1.24	1.38	1.52	1.66	1.80	1.94	2.08	2.22	2.35	2.49	2.63	
700	0.91	1.08	1.24	1.40	1.57	1.73	1.89	2.05	2.21	2.36	2.52	2.68	2.83	2.99	
800	1.00	1.19	1.37	1.56	1.74	1.92	2.10	2.28	2.46	2.64	2.81	2.99	3.16	3.34	
900	1.09	1.29	1.50	1.70	1.91	2.11	2.31	2.51	2.71	2.90	3.10	3.29	3.49	3.68	
1000	1.17	1.40	1.62	1.85	2.07	2.29	2.51	2.73	2.94	3.16	3.37	3.59	3.80	4.0	
1100	1.25	1.50	1.74	1.98	2.23	2.47	2.70	2.94	3.17	3.41	3.64	3.87	4.10	4.33	
1200	1.32	1.59	1.85	2.12	2.38	2.63	2.89	3.15	3.40	3.65	3.90	4.15	4.39	4.64	
1300	1.39	1.68	1.96	2.24	2.52	2.80	3.07	3.35	3.62	3.89	4.15	4.42	4.68	4.94	
1400	1.46	1.77	2.07	2.37	2.66	2.96	3.25	3.54	3.83	4.11	4.40	4.68	4.96	5.23	
1500	1.53	1.85	2.17	2.49	2.80	3.11	3.42	3.73	4.03	4.34	4.63	4.93	5.22	5.52	
1600	1.59	1.93	2.27	2.60	2.93	3.26	3.59	3.91	4.23	4.55	4.86	5.18	5.48	5.79	
1700	1.65	2.01	2.36	2.71	3.06	3.41	3.75	4.09	4.43	4.76	5.09	5.41	5.74	6.05	
1800	1.70	2.08	2.45	2.82	3.19	3.55	3.91	4.26	4.61	4.96	5.30	5.64	5.98	6.3	
1900	1.75	2.15	2.54	2.93	3.31	3.69	4.06	4.43	4.79	5.16	5.51	5.87	6.21	6.56	
2000	1.80	2.22	2.62	3.03	3.42	3.82	4.21	4.59	4.97	5.34	5.71	6.08	6.44	6.80	
2100	1.85	2.28	2.70	3.12	3.53	3.94	4.35	4.74	5.14	5.53	5.91	6.29	6.66	7.03	
2200	1.90	2.34	2.78	3.21	3.64	4.07	4.48	4.89	5.30	5.70	6.10	6.48	6.87	7.24	
2300	1.94	2.40	2.85	3.30	3.75	4.18	4.61	5.04	5.46	5.87	6.27	6.67	7.07	7.45	
2400	1.98	2.45	2.92	3.39	3.85	4.30	4.74	5.18	5.61	6.03	6.45	6.86	7.26	7.65	
2600	2.05	2.56	3.06	3.55	4.03	4.51	4.98	5.44	5.89	6.33	6.77	7.19	7.61	8.02	
2800	2.11	2.65	3.17	3.69	4.20	4.70	5.19	5.67	6.14	6.60	7.06	7.50	7.93	8.35	
3000	2.16	2.72	3.28	3.82	4.35	4.87	5.39	5.88	6.37	6.85	7.31	7.76	8.20	8.63	
3200	2.20	2.79	3.37	3.93	4.49	5.03	5.56	6.07	6.57	7.06	7.53	7.99	8.44	8.87	
3400	2.23	2.84	3.45	4.03	4.60	5.16	5.71	6.23	6.75	7.24	7.72	8.18	8.63	9.06	
3600	2.25	2.89	3.51	4.11	4.70	5.28	5.83	6.37	6.89	7.39	7.87	8.33	8.78	9.20	
3800	2.26	2.92	3.56	4.18	4.78	5.37	5.93	6.48	7.00	7.50	7.98	8.44	8.88	9.29	
4000	2.25	2.93	3.59	4.23	4.84	5.44	6.01	6.56	7.08	7.58	8.06	8.51	8.93	9.32	
4200	2.24	2.94	3.61	4.26	4.89	5.49	6.06	6.61	7.13	7.63	8.09	8.52	8.93	9.30	
4400	2.22	2.93	3.61	4.27	4.91	5.51	6.09	6.63	7.15	7.63	8.08	8.50	8.88	9.22	
4600	2.18	2.91	3.60	4.27	4.91	5.51	6.08	6.62	7.13	7.60	8.03	8.42	8.77	9.09	
4800	2.13	2.87	3.57	4.25	4.88	5.49	6.05	6.58	7.07	7.52	7.93	8.29	8.61	8.89	
5000	2.07	2.82	3.53	4.20	4.84	5.44	5.99	6.51	6.98	7.40	7.78	8.11	8.39	8.62	

RIM SPEEDS EXCEED 6500 FEET PER MINUTE.

[ANEXO A-4] (CONTINUACIÓN)

	She	eave Pitch Dia	ameter (in inc	:hes)					"Add-0	n" HP for Sp	eed Ratio				RPM of
5.8	6.0	6.2	6.4	6.6	7.0	1.02- 1.04	1.05- 1.08	1.09- 1.12	1.13- 1.18	1.19- 1.24	1.25- 1.34	1.35- 1.51	1.52- 1.99	2.00 & Up	Faste Shaft
4.75	4.99	5.22	5.45	5.68	6.13	0.03	0.07	0.11	0.14	0.18	0.21	0.24	0.27	0.30	1160
6.51	6.83	7.14	7.45	7.76	8.36	0.04	0.10	0.16	0.21	0.27	0.32	0.37	0.41	0.46	1750
9.54	9.92	10.29	10.63	10.95	11.53	0.09	0.20	0.33	0.43	0.55	0.63	0.73	0.83	0.92	350
0.32	0.33	0.34	0.36	0.37	0.40	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	5
0.58	0.61	0.64	0.66	0.69	0.74	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	10
2.37	2.48	2.59	2.71	2.82	3.04	0.01	0.03	0.05	0.06	0.08	0.09	0.10	0.12	0.13	50
2.76	2.89	3.03	3.16	3.29	3.56	0.01	0.03	0.06	0.07	0.09	0.11	0.13	0.14	0.16	60
3.14	3.29	3.45	3.60	3.75	4.05	0.02	0.04	0.07	0.09	0.11	0.13	0.15	0.17	0.18	70
3.51	3.68	3.85	4.02	4.19	4.53	0.02	0.05	0.07	0.10	0.13	0.15	0.17	0.19	0.21	80
3.87	4.06	4.25	4.44	4.62	5.00	0.02	0.05	0.08	0.11	0.14	0.16	0.19	0.21	0.24	90
4.22	4.42	4.63	4.84	5.04	5.44	0.02	0.06	0.09	0.12	0.16	0.18	0.21	0.24	0.26	1000
4.55	4.78	5.00	5.22	5.44	5.88	0.03	0.06	0.10	0.14	0.17	0.20	0.23	0.26	0.29	1100
4.88	5.12	5.36	5.60	5.83	6.30	0.03	0.07	0.11	0.15	0.19	0.22	0.25	0.28	0.31	1200
5.20	5.45	5.71	5.96	6.21	6.71	0.03	0.07	0.12	0.16	0.20	0.24	0.27	0.31	0.34	1300
5.51	5.78	6.05	6.31	6.58	7.10	0.03	0.08	0.13	0.17	0.22	0.25	0.29	0.33	0.37	140
5.80	6.09	6.37	6.65	6.93	7.48	0.04	0.09	0.14	0.18	0.23	0.27	0.31	0.35	0.39	150
6.09	6.39	6.69	6.98	7.27	7.84	0.04	0.09	0.15	0.20	0.25	0.29	0.34	0.38	0.42	160
6.37	6.68	6.99	7.30	7.60	8.19	0.04	0.10	0.16	0.21	0.27	0.31	0.36	0.40	0.44	1700
6.64	6.96	7.29	7.60	7.91	8.53	0.04	0.10	0.17	0.22	0.28	0.33	0.38	0.43	0.47	1800
6.90	7.23	7.57	7.89	8.22	8.85	0.05	0.11	0.18	0.23	0.30	0.34	0.40	0.45	0.50	1900
7.15	7.49	7.84	8.17	8.50	9.15	0.05	0.12	0.19	0.25	0.31	0.36	0.42	0.47	0.52	2000
7.39	7.74	8.09	8.44	8.78	9.44	0.05	0.12	0.20	0.26	0.33	0.38	0.44	0.50	0.55	2100
7.62	7.98	8.34	8.69	9.04	9.71	0.05	0.13	0.21	0.27	0.34	0.40	0.46	0.52	0.58	2200
7.83	8.21	8.57	8.93	9.28	9.96	0.06	0.13	0.22	0.28	0.36	0.42	0.48	0.54	0.60	2300
8.04	8.42	8.79	9.16	9.51	10.20	0.06	0.14	0.22	0.29	0.38	0.44	0.50	0.57	0.63	2400
8.42	8.81	9.19	9.57	9.93	10.62	0.06	0.15	0.24	0.32	0.41	0.47	0.54	0.61	0.68	2600
8.76	9.15	9.54	9.91	10.28	10.97	0.07	0.16	0.26	0.34	0.44	0.51	0.59	0.66	0.73	2800
9.04	9.44	9.83	10.20	10.56	11.23	0.07	0.17	0.28	0.37	0.47	0.54	0.63	0.71	0.78	3000
9.28 9.47	9.68	10.06	10.43	10.77	11.42	0.08	0.18	0.30	0.39	0.50	0.58	0.67	0.76	0.84	3200
	9.86	10.23	10.58	10.91	11.51	0.08	0.20	0.32	0.42	0.53	0.62	0.71	0.80	0.89	3400
9.60	9.98	10.33	10.66	10.97	11.52	0.09	0.21	0.34	0.44	0.56	0.65	0.75	0.85	0.94	3600
9.67	10.03	10.37	10.67	10.96	11.43	0.09	0.22	0.36	0.47	0.59	0.69	0.80	0.90	0.99	3800
9.69	10.02	10.33	10.61	10.85	11.24	0.10	0.23	0.37	0.49	0.63	0.73	0.84	0.94	1.05	4000
9.64	9.95	10.22	10.46	10.66	10.95	0.10	0.24	0.39	0.52	0.66	0.76	0.88	0.99	1.10	4200
9.53	9.80	10.04	10.23	10.38	10.55	0.11	0.25	0.41	0.54	0.69	0.80	0.92	1.04	1.15	4400
9.36	9.59	9.77	9.91	10.00	10.04	0.11	0.26	0.43	0.57	0.72	0.83	0.96	1.09	1.20	4600
9.11	9.29	9.42	9.50	9.52	9.41	0.12	0.28	0.45	0.59	0.75	0.87	1.01	1.13	1.25	4800
8.80	8.92	8.99	8.99	8.94	8.65	0.12	0.29	0.47	0.61	0.78	0.91	1.05	1.18	1.31	5000