



Every Calling is Great, When Greatly Pursued.

OLIVER WENDELL HOLMES

当努力追求时，每一个使命都是伟大的。

At the Diamond Chain Company, the calling to design and manufacture the world's highest-performing roller chain is greatly pursued every day by teams of passionate technical experts who have made your success their life's work. It's that intensity of focus that some of the world's greatest inventors trusted to provide the drive chains they needed to transform the world. From the Wright Brothers, to Henry Ford, to the global leaders of our time, Diamond® chain is the roller chain most trusted to perform, when performance matters most.

在美国钻石链条公司，设计和制造世界最优秀性能的滚子链条是我们技术专家们每天的致力追求。他们充满激情，将您的成功作为他们一生的工作目标！正是凭借对这份专注的信任，许多世界上最伟大的发明家都挑选了我们的产品作为他们改变世界所需的驱动链。从莱特兄弟到亨利福特，再到我们这个时代的全球工业领袖们 Diamond链条都是最值得他们信赖的滚子链条。



THE DIAMOND CHAIN COMPANY 钻石链条公司

Founded on December 24, 1890, the Diamond Chain Company is one of the most experienced roller chain manufacturers in the world. Driven by the principles of unrivaled experience, unsurpassed quality, and unparalleled performance, the diamond was adopted as the company trademark as it symbolized perfection and acts as a constant reminder of the company's core values.

钻石链条公司成立于1890年12月24日，是世界上最具有经验的滚子链条生产商之一。公司的创始人以完美的“钻石”为商标，寓意万锤千炼的经验，独一无二的质量和无与伦比的性能，并以此不断提醒公司的核心价值。

Today, the Diamond Chain Company sets the standard for high performance roller chain with industry leading wear life, warranty, and product selection. From industry launch to industry leader, Diamond Chain is the most trusted roller chain when performance matters most.

今天，钻石链条公司凭其业内领先的磨损寿命，保证和产品范围，为高性能滚子链设下了标准。从行业的创始人到行业的领导者，当性能最重要时，钻石链条是最值得信赖的滚子链条。

INTRODUCING INFINITY™ ROLLER CHAIN INFINITY™ 滚子链介绍

The Infinity series is a premier roller chain offering from the Diamond Chain Company and the newest addition to the company's portfolio of products. Designed, manufactured, and assembled by Diamond Chain, Infinity roller chain delivers consistent quality and wear performance that substantially outperforms other top industry chain suppliers. With one hundred twenty years of experience forged into every pin, plate, bushing, and roller, Infinity roller chain is built to last.

Infinity是由钻石链条公司最新推出一个滚子链系列，是钻石链条产品目录里的最新成员。设计，组装和装配都由钻石链条完成，Infinity具有一致的质量和抗磨损性能，远超其它业内领先竞争者的顶级产品。120年的经验都融入在每一个销轴，链片，套筒和滚子中，Infinity滚子链为持久而铸。

INDUSTRY LEADING PRODUCT 行业领先的产品

The Diamond Chain Company has mastered the design and manufacturing processes necessary to create consistently high quality, and high performance, roller chain. Infinity roller chains are closely monitored throughout each stage of the manufacturing process by a rigorous quality control system that ensures only qualified components reach the final assembly stage. By maintaining this strict attention to detail, the end result is the Infinity roller chain product line that leads the competition with unsurpassed quality, unparalleled wear life, and an industry leading five-year warranty.

钻石链条秉承严格的设计和制造流程，创造出一致的高质量高性能的滚子链。在严格的质量控制体系下，Infinity滚子链生产过程中的每一个阶段都被严密监控，确保了合格的零件才能登上装配的舞台。持续关注细节的缘故，最终的结果就是Infinity滚子链凭借其无法超越的性能，无与伦比的磨损寿命和行业领先的5年保证确保了其最强的竞争力。

INDUSTRY LEADING SERVICE 行业领先的服务

The Infinity series of roller chains comes with world class service tailored to your industry, applications, and operational requirements including:

Infinity系列滚子链根据您的行业，应用和实际需求，可以在以下方面为您提供世界顶级的服务：

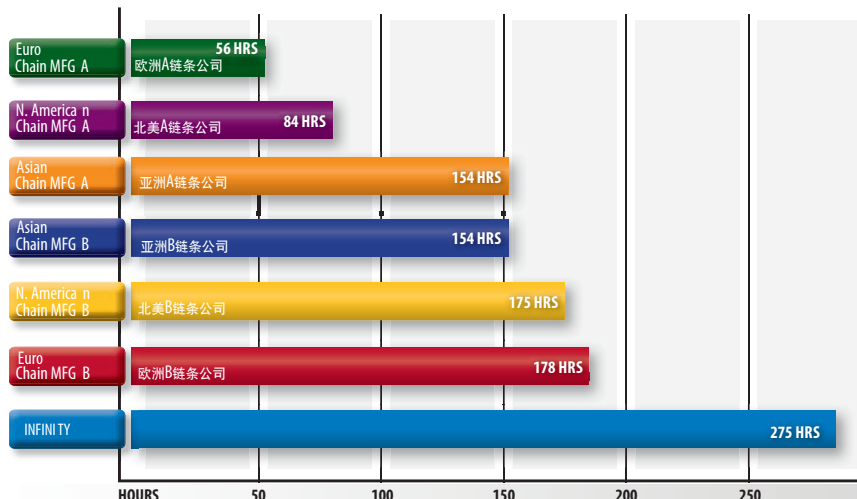
- *Length Matching* 长度配对
- *Cut-to-length* 长度切割
- *On Site Customer Training* 客户现场培训
- *Local and Regional Product Availability* 本土/区域库存
- *Application / Maintenance Training* 应用/维护培训
- *Total Downtime Cost Analysis* 总停机成本分析
- *Technical / Engineering Support* 技术/工程支持
- *Local Field Support* 现场技术支持

INFINITY SERIES PRODUCT PERFORMANCE INFINITY系列产品性能

Accelerated wear testing was conducted on Infinity series roller chain and products from five global manufacturers. All products were ASME / ANSI approved products. These tests were performed by the Diamond Chain Company under the supervision of an independent third party.

我们将Infinity系列滚子链条与其它五家世界领先的链条生产商的产品进行了加速磨损测试。所有产品均符合ASME/ANSI（美国国家标准协会/美国机械工程师学会）标准。这些测试均经独立第三方验证。

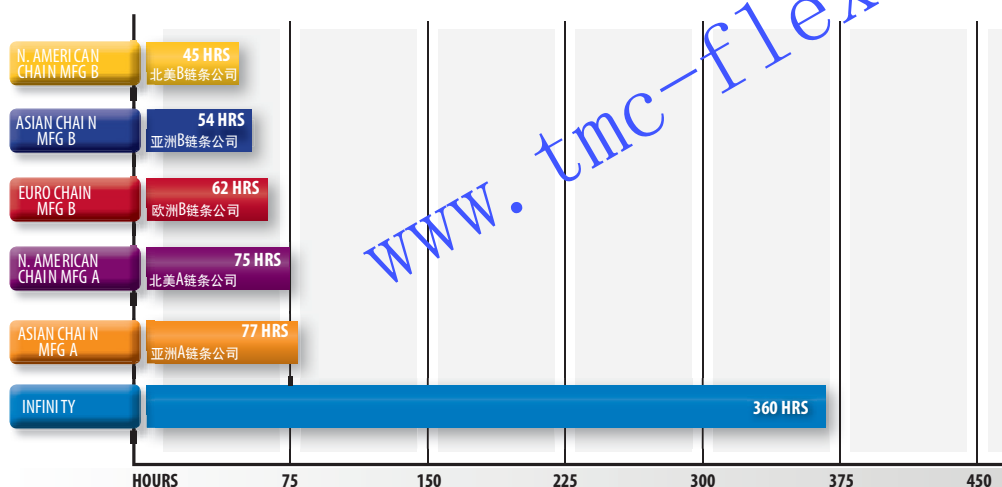
#50 CHAIN ACCELERATED WEAR TESTING #50链条加速磨损测试



Test conditions: 1172 RPMs, 91 lbs. of tension, 3.5 chain horsepower and 21T X 21T sprockets.

测试环境：转速1725转/分钟，张力100磅，链条马力5.2匹，链轮23T X 23T。

#60 CHAIN ACCELERATED WEAR TESTING #60链条加速磨损测试



Test conditions: 1725 RPMs, 100 lbs. of tension, 5.2 chain horsepower and 23T X 23T sprockets.

测试环境：转速1725转/分钟，张力100磅，链条马力5.2匹，链轮23T X 23T。

THE SUM OF ITS PARTS

At the Diamond Chain Company, roller chain is our passion, our focus, and our calling. Our continuing success depends upon your success and that's why attention is paid to the smallest of details. At Diamond Chain, we know that our processes and products are second to none and we back our products with industry leading warranties against defects in material and workmanship.

在钻石链条公司，滚子链是我们的激情，焦点和追求。我们的成功来自您的成功，这就是为什么最小的细节都能被注意到的原因。

在钻石链条公司，我们知道我们的流程和产品是无人能及的，并且我们为我们的产品材料和工艺方面提供业内领先的保证。

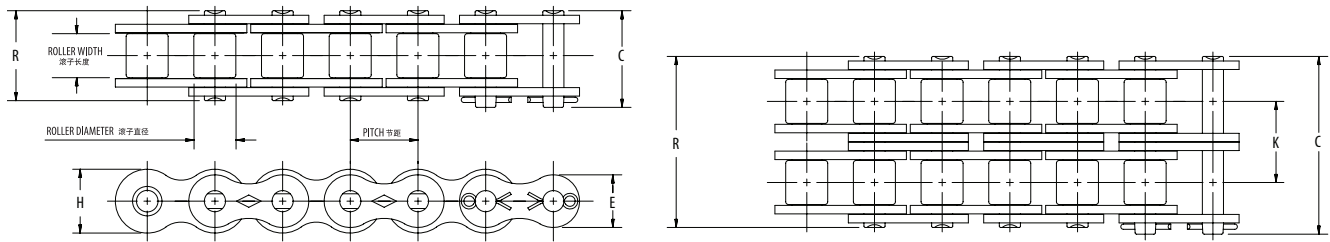
Diamond Chain Company combines world class products with world class service. From technical support to on-site training, custom solutions to custom products, Diamond Chain is available with the people, products, and expertise to help solve any problem.

钻石链条公司将世界顶级的产品与世界顶级的服务结合了起来。从技术支持到现场培训，为客户产品定制解决方案，钻石链条凭借其人力，产品和专家，帮您解决任何问题。

INFINITY SERIES CHAIN INFINITY系列链条

Infinity standard chains are built to ASME / ANSI B29.1 standards for dimensions, interoperability, and sprocket fit and exceed the established standards for tensile strength.

Infinity标准链条的尺寸，互用性和与链轮的配合是根据ASME/ANSI B29.1标准而制，并在拉伸强度上远远超过国际发行的标准。



ASME/ANSI 链号	Pitch 节距 mm	Roller Width 滚子长度 mm	Roller Diameter 滚子直径 mm	Pin Diameter 销轴直径 mm	Link Plate Thickness 链片厚度 mm	C mm	R mm	K 排距 mm	每米重量 kg/m	Average Tensile Strength 平均拉伸载荷 KN	E** 外链片高度 mm	H** 内链片高度 mm
25	6.35	3.18	3.30*	2.29	0.76	9.40	8.64	....	0.125	3892	5.21	6.05
35	13.28	4.76	5.08*	3.58	1.27	14.22	12.70	....	0.313	9341	7.82	9.04
40	12.70	7.94	7.92	3.96	1.52	18.29	17.02	....	0.610	17793	10.41	12.07
41	12.70	6.35	7.77	3.58	1.27	16.51	14.48	....	0.387	10676	7.87	9.73
50	15.88	13.28	10.16	5.08	2.03	22.61	21.08	....	1.048	29358	13.00	15.09
60	19.05	12.70	11.91	5.94	2.39	28.19	26.47	....	0.011	37810	15.62	18.11
80	25.40	15.88	15.88	7.92	3.18	36.58	33.53	....	0.020	64499	20.83	24.13
100	31.75	19.05	19.05	9.53	3.96	43.94	40.89	....	0.029	106757	26.04	30.18
120	38.10	25.40	22.23	11.10	4.75	54.36	50.80	....	0.043	151240	31.24	36.20
140	44.45	25.40	25.40	12.70	5.56	58.67	54.36	....	0.058	204618	36.45	42.24
160	50.80	31.75	28.58	14.27	6.35	69.34	64.52	....	0.075	257997	41.66	48.26

*Chains are rollerless-dimension shown is bushing diameter. 对于无滚子链条，所示尺寸为套筒直径。

**Maximum values are shown. **显示为最大值。

NOTE: Multiple strand chains are available with slip-fit (standard) center plates. 注：多排链条可以以滑动配合中心链板（标准）供货。

CHAIN LENGTH IN PITCHES TO M CONVERSION TABLE: 链条节距与长度转换表

Chain Pitch—mm 链条节距-毫米													
No. of Pitches 节数	0.64	0.95	1.27	1.59	1.91	2.54	3.18	3.81	4.45	5.08	5.72	6.35	7.62
Chain Length—M 链条长度-米													
1	0.05	0.08	0.10	0.13	0.15	0.20	0.25	0.33	0.38	0.43	0.48	0.53	0.64
2	0.10	0.15	0.20	0.25	0.41	0.43	0.53	0.64	0.74	0.84	0.97	1.07	1.27
3	0.15	0.23	0.33	0.41	0.25	0.64	0.79	0.97	1.12	1.27	1.42	1.60	1.91
4	0.20	0.33	0.43	0.53	0.64	0.84	1.07	1.27	1.47	1.70	1.91	2.11	2.54
5	0.25	0.41	0.53	0.66	0.79	1.07	1.32	1.60	1.85	2.11	2.39	2.64	3.18
6	0.33	0.48	0.64	0.79	0.97	1.27	1.60	1.91	2.24	2.54	2.87	3.18	3.81
7	0.38	0.56	0.74	0.91	1.12	1.47	1.85	2.24	2.59	2.97	3.33	3.71	4.45
8	0.43	0.64	0.84	1.07	1.27	1.70	2.11	2.54	2.97	3.38	3.81	4.24	5.08
9	0.48	0.71	0.97	1.19	1.42	1.91	2.39	2.87	3.33	3.81	4.29	4.78	5.72
10	0.53	0.79	1.07	1.32	1.60	2.11	2.64	3.18	3.71	4.24	4.78	5.28	6.35
11	0.58	0.86	1.17	1.27	1.75	2.34	2.92	3.51	4.06	4.65	5.23	5.82	6.99
12	0.64	0.97	1.27	1.60	1.91	2.54	3.18	3.81	4.45	5.08	5.72	6.35	7.62
13	0.69	1.04	1.37	1.73	2.06	2.74	3.43	4.14	4.83	5.51	6.20	6.88	8.26
14	0.74	1.12	1.47	1.85	2.24	2.97	3.71	4.45	5.18	5.92	6.68	7.42	8.89
15	0.79	1.19	1.60	1.98	2.39	3.18	3.96	4.78	5.56	6.35	7.14	7.95	9.53
16	0.84	1.27	1.70	2.11	2.54	3.38	4.24	5.08	5.92	6.78	7.62	8.46	10.16
17	0.89	1.35	1.80	2.26	2.69	3.61	4.50	5.41	6.30	7.19	8.10	8.99	10.80
18	0.97	1.42	1.91	2.39	2.87	3.81	4.78	5.72	6.68	7.62	8.59	9.53	11.43
19	1.02	1.50	2.01	2.51	3.02	4.01	5.03	6.05	7.04	8.05	9.04	10.06	12.07
20	1.07	1.60	2.11	2.64	3.18	4.24	5.28	6.35	7.42	8.46	9.53	10.59	12.70
21	1.12	1.68	2.24	2.77	3.33	4.45	5.56	6.68	7.77	8.89	10.01	11.13	13.34
22	1.17	1.75	2.34	2.92	3.51	4.65	5.82	6.99	8.15	9.31	10.49	11.63	13.97
23	1.22	1.83	2.44	3.05	3.66	4.88	6.10	7.32	8.51	9.73	10.95	12.17	14.61
24	1.27	1.91	2.54	3.18	3.81	5.08	6.35	7.62	8.89	10.16	11.43	12.70	15.24
25	1.32	1.98	2.64	3.30	3.96	5.28	6.60	7.95	9.27	10.59	11.91	13.23	15.88
26	1.37	2.06	2.74	3.43	4.14	5.51	6.88	8.26	9.63	11.00	12.40	13.77	16.51
27	1.42	2.13	2.87	3.58	4.29	5.72	7.14	8.59	10.01	11.43	12.85	14.30	17.15
28	1.47	2.24	2.97	3.71	4.45	5.92	7.44	8.89	10.36	11.86	13.34	14.81	17.78
29	1.52	2.31	3.07	3.84	4.67	6.15	7.67	9.22	10.74	12.27	13.82	15.34	18.42
30	1.60	2.39	3.18	4.06	4.78	6.35	7.95	9.53	11.13	12.70	13.61	15.88	19.05
31	1.65	2.46	3.28	4.09	4.9	6.55	8.20	9.86	11.48	13.13	14.76	16.41	19.69
32	1.70	2.54	3.38	4.24	5.08	6.78	8.46	10.16	11.86	13.54	15.24	16.94	20.32
33	1.75	2.62	3.51	4.37	5.23	6.99	8.64	10.49	12.22	13.97	15.72	17.48	20.96
34	1.80	2.69	3.61	4.50	5.41	7.19	8.99	10.80	12.60	14.40	16.21	17.98	21.59
35	1.85	2.77	3.71	4.62	5.56	7.42	9.27	11.13	12.95	14.81	16.66	18.52	22.23
36	1.91	2.87	3.81	4.50	5.72	7.62	9.53	11.43	13.34	15.24	17.15	19.05	22.86
37	1.96	2.95	3.91	4.90	5.87	7.82	9.78	11.76	13.72	15.67	17.63	19.58	23.50
38	2.01	3.02	4.01	5.03	6.05	8.05	10.06	12.07	14.07	16.08	18.11	20.12	24.13
39	2.06	3.10	4.14	5.16	6.20	8.26	10.31	12.40	14.45	16.51	18.57	20.65	24.77
40	2.11	3.18	4.24	5.28	6.35	8.46	10.59	12.70	14.81	16.94	19.05	21.16	25.40
41	2.16	3.25	4.34	5.44	6.50	8.69	10.85	13.03	15.19	17.35	19.53	21.69	26.04
42	2.24	3.33	4.45	5.56	6.68	8.89	11.13	13.34	15.57	17.78	20.02	22.23	26.67
43	2.29	3.40	4.55	5.72	6.83	9.09	11.38	13.67	15.93	18.21	20.47	22.76	27.31
44	2.34	3.51	4.65	5.82	6.99	9.32	11.63	13.97	16.31	18.62	20.96	23.29	27.94
45	2.39	3.58	4.78	5.94	7.14	9.53	11.91	14.30	16.66	19.05	21.44	23.83	28.58
46	2.44	3.66	4.88	6.10	7.32	9.73	12.17	14.61	17.04	19.48	21.92	24.33	29.21
47	2.49	3.73	4.98	6.22	7.47	9.96	12.45	14.94	17.40	19.89	22.38	24.87	29.85
48	2.54	3.81	5.08	6.35	7.62	10.16	12.70	15.24	17.78	20.32	22.86	25.40	30.48
49	2.59	3.89	5.18	6.48	7.77	10.36	12.95	15.57	18.16	20.75	23.34	25.93	31.12
50	2.64	3.96	5.28	6.60	7.95	10.59	13.23	15.88	18.52	21.16	23.83	26.47	31.75

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No. of Pitches 节数	0.64	0.95	1.27	1.59	1.91	2.54	3.18	3.81	4.45	5.08	5.72	6.35	7.62
Chain Length—M 链条长度-米													
51	2.69	4.04	5.41	6.76	8.10	10.80	13.49	16.21	18.90	21.59	24.28	27.00	32.39
52	2.74	4.14	5.51	6.88	8.26	11.00	13.77	16.51	19.25	22.02	24.77	4.65	33.02
53	2.79	4.22	5.61	7.01	8.41	11.23	14.02	16.84	19.63	22.43	25.25	28.04	33.66
54	2.87	4.29	5.72	7.14	8.59	11.43	14.30	17.15	20.02	22.86	25.73	28.58	34.29
55	2.92	4.37	5.82	7.26	8.74	11.63	14.55	17.48	20.37	23.29	26.19	29.11	34.93
56	2.97	4.45	5.92	7.42	8.89	11.86	14.81	17.78	20.75	23.70	26.67	29.64	35.56
57	3.02	4.52	6.05	7.54	9.04	12.07	15.09	18.11	21.11	24.13	27.15	30.18	36.20
58	3.07	4.60	6.15	7.67	9.22	12.27	15.34	18.42	21.49	24.56	27.64	30.68	36.83
59	3.12	4.67	6.25	7.80	9.37	12.50	15.62	18.75	21.84	24.97	28.09	31.22	37.47
60	3.18	4.78	6.35	7.95	9.53	12.70	15.88	19.05	22.23	25.40	28.58	31.75	38.10
61	3.23	4.85	6.45	8.08	9.68	12.90	16.13	19.38	22.61	25.83	29.06	32.28	38.74
62	3.28	4.93	6.55	8.20	9.86	13.13	16.41	19.69	22.96	26.24	29.54	32.82	39.37
63	3.33	5.00	6.68	8.33	10.01	13.34	16.66	20.02	23.34	26.67	30.00	33.35	40.01
64	3.38	5.08	6.78	8.46	10.16	13.54	16.94	20.32	23.70	27.10	30.48	33.86	40.64
65	3.43	5.16	6.88	8.61	10.31	13.77	17.20	20.65	24.08	27.51	30.96	34.39	41.28
66	3.51	5.23	6.99	8.74	10.49	13.97	17.48	20.96	24.46	27.94	31.45	34.93	41.91
67	3.56	5.31	7.09	8.86	10.64	14.17	17.73	21.29	24.82	28.37	31.90	35.46	42.55
68	3.61	5.41	7.19	8.99	10.80	14.40	17.98	21.59	25.20	28.78	32.39	35.99	43.18
69	3.66	5.49	7.32	9.12	10.95	14.61	18.26	21.92	25.55	29.21	32.87	36.53	43.82
70	3.71	5.56	7.42	9.27	11.13	14.81	18.52	22.23	25.93	29.64	33.35	37.03	44.45
71	3.76	5.64	7.52	9.40	11.28	15.04	18.80	22.56	26.29	30.05	33.81	37.57	45.09
72	3.81	5.72	7.62	9.53	11.43	15.24	19.05	22.86	26.67	30.48	34.29	38.10	45.72
73	3.86	5.79	7.72	9.65	11.58	15.44	19.30	23.19	27.05	30.91	34.77	38.63	46.36
74	3.91	5.87	7.82	9.78	11.76	15.67	19.58	23.50	27.41	31.32	35.26	39.17	46.99
75	3.96	5.94	7.95	9.93	11.91	15.88	19.84	23.83	27.79	31.75	35.71	39.70	47.63
76	4.01	6.05	8.05	10.06	12.07	16.08	20.12	24.13	28.14	32.18	36.20	40.21	48.26
77	4.06	6.12	8.15	10.19	12.22	16.31	20.37	24.46	28.52	32.59	36.68	40.74	48.90
78	4.14	6.20	8.26	10.31	12.40	16.51	20.65	24.77	28.91	33.02	37.16	41.28	49.53
79	4.19	6.27	8.36	10.44	12.55	16.71	20.90	25.10	29.26	33.45	37.62	41.81	50.17
80	4.24	6.35	8.46	10.59	12.70	16.94	21.16	25.40	29.64	33.86	38.10	42.34	50.80
81	4.29	6.43	8.59	10.72	12.85	17.15	21.44	25.73	30.00	34.29	38.58	42.88	51.44
82	4.34	6.50	8.69	10.85	13.03	17.35	21.69	26.04	30.38	34.72	39.07	43.38	52.07
83	4.39	6.58	8.79	10.97	13.18	17.58	21.97	26.37	30.73	35.13	39.52	43.92	52.71
84	4.45	6.68	8.89	11.13	13.34	17.78	22.23	26.67	31.12	35.56	40.01	44.45	53.34
85	4.50	6.76	8.99	11.25	13.49	17.98	22.48	27.00	31.50	35.99	40.49	44.98	53.98
86	4.55	6.83	9.09	11.38	13.67	18.21	22.76	27.31	31.85	36.40	40.97	45.52	54.61
87	4.60	6.91	9.22	11.51	13.82	18.42	23.01	27.64	32.23	36.83	41.43	46.05	55.25
88	4.65	6.99	9.32	11.63	13.97	18.62	23.29	27.94	32.59	37.26	41.91	46.56	55.88
89	4.70	7.06	9.42	11.79	14.12	18.85	23.55	28.27	32.97	37.67	42.39	47.09	56.52
90	4.78	7.14	9.53	11.91	14.30	19.05	23.83	28.58	33.35	38.10	42.88	47.63	57.15
91	4.83	7.21	9.63	12.04	14.45	19.25	24.08	28.91	33.71	38.53	43.33	48.16	57.79
92	4.88	7.32	9.73	12.17	14.61	19.48	24.33	29.21	34.09	38.94	43.82	48.69	58.42
93	4.93	7.39	9.86	12.29	14.76	19.69	24.61	29.54	34.44	39.37	44.30	49.23	59.06
94	4.98	7.47	9.96	12.45	14.94	19.89	24.87	29.85	34.82	39.80	44.78	49.73	59.69
95	5.03	7.54	10.06	12.57	15.09	20.12	25.15	30.18	35.18	40.21	45.24	50.27	60.33
96	5.08	7.62	10.16	12.70	15.24	20.32	25.40	30.48	35.56	40.64	45.72	50.80	60.96
97	5.13	7.70	10.26	12.83	15.39	20.52	25.65	30.81	35.94	41.07	46.20	51.33	61.60
98	5.18	7.77	10.36	12.95	15.57	20.75	25.93	31.12	36.30	41.48	46.69	51.87	62.23
99	5.23	7.85	10.49	13.11	15.72	20.96	26.19	31.45	36.68	41.91	47.14	52.40	62.87
100	5.28	7.95	10.59	13.23	15.88	21.16	26.47	31.75	37.03	42.34	47.63	52.91	63.50