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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。

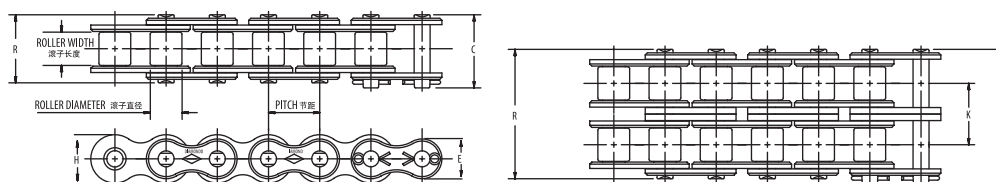


DIAMOND ASME/ANSI SERIES CHAIN 钻石标准系列链条

SINGLE AND MULTI-STRAND 单排和多排

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

钻石标准系列链条，尺寸，互用性，与链轮的配合都遵循ASME / ANSI B29.1标准生产，拉伸载荷甚至超过国际发行的标准要求。



Dimensions in mm

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
25-2	6.35	3.18	3.30*	2.29	0.76	16.00	14.99	6.40	0.243	7784	5.21	6.05
25-3	6.35	3.18	3.30*	2.29	0.76	22.35	21.34	6.40	0.366	11677	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
35-2	13.28	4.76	5.08*	3.58	1.27	24.38	22.86	10.13	0.670	18683	7.82	9.04
35-3	13.28	4.76	5.08*	3.58	1.27	34.54	33.27	10.13	1.012	28024	7.82	9.04
35-4	13.28	4.76	5.08*	3.58	1.27	44.70	43.18	10.13	1.354	37365	7.82	9.04
35-5	13.28	4.76	5.08*	3.58	1.27	54.86	53.59	10.13	1.697	46707	7.82	9.04
35-6	13.28	4.76	5.08*	3.58	1.27	65.28	63.75	10.13	2.049	56048	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
40-2	12.70	7.94	7.92	3.96	1.52	32.77	31.50	14.38	1.191	35586	10.41	12.07
40-3	12.70	7.94	7.92	3.96	1.52	46.99	45.72	14.38	1.786	53379	10.41	12.07
40-4	12.70	7.94	7.92	3.96	1.52	61.47	60.20	14.38	2.381	71172	10.41	12.07
40-6	12.70	7.94	7.92	3.96	1.52	90.42	89.15	14.38	3.601	106758	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
50-2	15.88	13.28	10.16	5.08	2.03	40.64	39.37	18.11	2.082	58717	13.00	15.09
50-3	15.88	13.28	10.16	5.08	2.03	58.67	57.40	18.11	3.110	88075	13.00	15.09
50-4	15.88	13.28	10.16	5.08	2.03	76.96	75.44	18.11	4.143	117434	13.00	15.09
50-5	15.88	13.28	10.16	5.08	2.03	95.25	93.73	18.11	5.164	146792	13.00	15.09
50-6	15.88	13.28	10.16	5.08	2.03	113.28	111.76	18.11	6.204	176151	13.00	15.09
50-8	15.88	13.28	10.16	5.08	2.03	149.61	148.08	18.11	8.267	234867	13.00	15.09
50-10	15.88	13.28	10.16	5.08	2.03	185.93	184.40	18.11	10.313	293584	13.00	15.09
60	19.05	12.70	11.91	5.94	2.39	28.19	26.42	....	0.011	37810	15.62	18.11
60-2	19.05	12.70	11.91	5.94	2.39	51.05	49.28	22.78	0.022	75620	15.62	18.11
60-3	19.05	12.70	11.91	5.94	2.39	73.91	72.14	22.78	0.033	113430	15.62	18.11
60-4	19.05	12.70	11.91	5.94	2.39	96.77	95.00	22.78	0.045	151240	15.62	18.11
60-5	19.05	12.70	11.91	5.94	2.39	119.63	117.86	22.78	0.057	189049	15.62	18.11
60-6	19.05	12.70	11.91	5.94	2.39	142.24	140.46	22.78	0.069	226859	15.62	18.11
60-8	19.05	12.70	11.91	5.94	2.39	187.96	186.18	22.78	0.091	302479	15.62	18.11
60-10	19.05	12.70	11.91	5.94	2.39	233.43	231.65	22.78	0.114	378099	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
80-2	25.40	15.88	15.88	7.92	3.18	65.79	62.74	29.29	0.039	128998	20.83	24.13

*Chains are rollerless -- dimension shown is bushing diameter.

** Maximum values are shown.

NOTE: ASME/ANSI 60 and larger chains are available as cottered or riveted type design.

Multiple strand chains are available with slip-fit (standard) or press-fit center plates.

*对于无滚子链条-所示尺寸为套筒直径

**显示的为最大值。

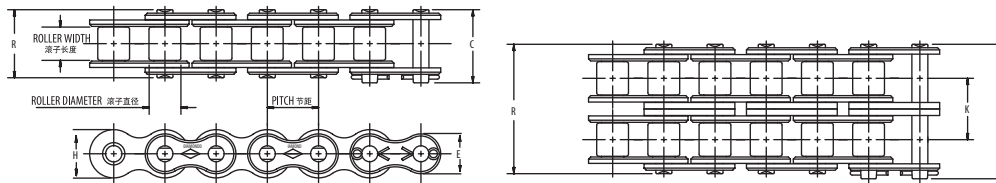
注：ASME/ANSI 60及以上的链条可以以销子或者铆钉连接的方式供货。

多排链条可以以滑动配合或压入配合形式供货。

Chart continues on next page.

图表下页续。

DIAMOND ASME/ANSI SERIES CHAIN 钻石标准系列链条



Dimensions in mm

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
80-3	25.40	15.88	15.88	7.92	3.18	95.00	91.95	29.29	0.058	193498	20.83	24.13
80-4	25.40	15.88	15.88	7.92	3.18	124.46	121.67	29.29	0.078	257997	20.83	24.13
80-5	25.40	15.88	15.88	7.92	3.18	153.92	150.88	29.29	0.097	322496	20.83	24.13
80-6	25.40	15.88	15.88	7.92	3.18	183.39	180.34	29.29	0.116	386995	20.83	24.13
80-8	25.40	15.88	15.88	7.92	3.18	242.06	238.76	29.29	0.154	515994	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
100-2	31.75	19.05	19.05	9.53	3.96	79.76	76.71	35.76	0.057	213515	26.04	30.18
100-3	31.75	19.05	19.05	9.53	3.96	115.82	112.52	35.76	0.085	320272	26.04	30.18
100-4	31.75	19.05	19.05	9.53	3.96	151.64	148.34	35.76	0.113	427029	26.04	30.18
100-5	31.75	19.05	19.05	9.53	3.96	187.45	184.15	35.76	0.141	533787	26.04	30.18
100-6	31.75	19.05	19.05	9.53	3.96	223.01	219.96	35.76	0.168	640544	26.04	30.18
100-8	31.75	19.05	19.05	9.53	3.96	294.64	291.59	35.76	0.224	854059	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
120-2	38.10	25.40	22.23	11.10	4.75	99.82	96.27	35.76	0.065	302479	31.24	36.20
120-3	38.10	25.40	22.23	11.10	4.75	145.29	141.73	35.76	0.128	453719	31.24	36.20
120-4	38.10	25.40	22.23	11.10	4.75	191.01	187.45	35.76	0.169	604958	31.24	36.20
120-5	38.10	25.40	22.23	11.10	4.75	236.47	232.92	35.76	0.212	756198	31.24	36.20
120-6	38.10	25.40	22.23	11.10	4.75	281.94	278.38	35.76	0.255	907437	31.24	36.20
120-8	38.10	25.40	22.23	11.10	4.75	372.87	369.32	35.76	0.340	1209916	31.24	36.20
120-10	38.10	25.40	22.23	11.10	4.75	463.80	460.25	35.76	0.424	1512395	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
140-2	44.45	25.40	25.40	12.70	5.56	107.70	103.38	48.87	0.111	409236	36.45	42.24
140-3	44.45	25.40	25.40	12.70	5.56	156.46	152.40	48.87	0.165	613855	36.45	42.24
140-4	44.45	25.40	25.40	12.70	5.56	205.49	201.42	48.87	0.218	818473	36.45	42.24
140-6	44.45	25.40	25.40	12.70	5.56	303.28	299.21	48.87	0.325	1227709	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
160-2	50.80	31.75	28.58	14.27	6.35	128.02	123.19	58.55	0.148	515994	41.66	48.26
160-3	50.80	31.75	28.58	14.27	6.35	186.69	181.86	58.55	0.219	773991	41.66	48.26
160-4	50.80	31.75	28.58	14.27	6.35	245.36	240.54	58.55	0.295	1031987	41.66	48.26
160-6	50.80	31.75	28.58	14.27	6.35	362.46	357.89	58.55	0.435	1547981	41.66	48.26
180	57.15	35.72	35.71	17.45	7.14	80.01	73.15	....	0.104	338065	46.86	54.31
180-2	57.15	35.72	35.71	17.45	7.14	146.05	139.19	65.84	0.204	676130	46.86	54.31
180-3	57.15	35.72	35.71	17.45	7.14	211.84	204.98	65.84	0.302	1014195	46.86	54.31
200	63.50	38.10	39.67	19.84	7.92	87.38	79.25	....	0.123	422581	52.07	60.33
200-2	63.50	38.10	39.67	19.84	7.92	159.00	150.88	71.55	0.248	845162	52.07	60.33
200-3	63.50	38.10	39.67	19.84	7.92	230.63	222.50	71.55	0.372	1267743	52.07	60.33
200-4	63.50	38.10	39.67	19.84	7.92	302.26	294.13	71.55	0.494	1690324	52.07	60.33
200-6	63.50	38.10	39.67	19.84	7.92	445.01	437.13	71.55	0.743	2535486	52.07	60.33
240	76.20	47.63	47.63	23.80	9.53	109.73	97.28	....	0.196	701040	61.52	71.27
240-2	76.20	47.63	47.63	23.80	9.53	197.36	184.66	87.83	0.385	1402079	61.52	71.27
240-3	76.20	47.63	47.63	23.80	9.53	285.24	272.54	87.83	0.573	2103119	61.52	71.27

** Maximum values are shown.

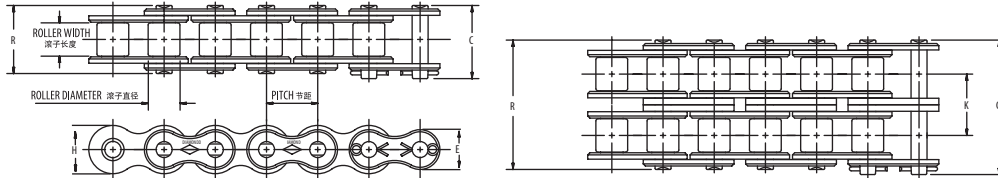
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HEAVY SERIES CHAIN 重型系列链条

SINGLE AND MULTI-STRAND 单排和多排链条

Diamond heavy series chains are built to ASME / ANSI B29.1 standards and utilize link plate material thickness from the next larger size of chain. Heavy series chains are intended for applications subject to heavy shock loads, starts and stops, and forward and reverse travel.

Diamond重型系列链条，也是依照ASME / ANSI B29.1标准生产，链片厚度采用的是标准系列下一级型号链条链片的厚度。



Dimensions in mm

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
60H	19.05	12.70	11.91	5.94	3.18	31.50	29.72	....	1.76	37812	15.62	18.11
60H-2	19.05	12.70	11.91	5.94	3.18	57.66	55.88	26.11	3.47	75623	15.62	18.11
60H-3	19.05	12.70	11.91	5.94	3.18	84.07	82.30	26.11	5.16	113435	15.62	18.11
60H-4	19.05	12.70	11.91	5.94	3.18	110.24	108.20	26.11	6.86	151247	15.62	18.11
80H	25.40	15.88	15.88	7.92	3.96	39.88	36.83	....	3.01	64502	20.83	24.13
80H-2	25.40	15.88	15.88	7.92	3.96	72.14	69.09	32.59	5.85	129005	20.83	24.13
80H-3	25.40	15.88	15.88	7.92	3.96	105.16	102.11	32.59	8.81	193508	20.83	24.13
80H-4	25.40	15.88	15.88	7.92	3.96	137.67	134.62	32.59	11.71	258011	20.83	24.13
100H	31.75	19.05	19.05	9.53	4.75	47.24	44.20	....	4.20	106763	26.04	30.18
100H-2	31.75	19.05	19.05	9.53	4.75	86.61	83.31	39.09	8.30	213526	26.04	30.18
100H-3	31.75	19.05	19.05	9.53	4.75	125.73	122.43	39.09	12.38	320289	26.04	30.18
100H-4	31.75	19.05	19.05	9.53	4.75	164.85	160.02	39.09	16.43	427053	26.04	30.18
120H	38.10	25.40	22.23	11.10	5.56	57.66	54.10	....	6.07	151247	31.24	36.20
120H-2	38.10	25.40	22.23	11.10	5.56	106.68	116.84	48.87	11.96	302495	31.24	36.20
120H-3	38.10	25.40	22.23	11.10	5.56	155.70	152.15	48.87	17.84	453743	31.24	36.20
120H-4	38.10	25.40	22.23	11.10	5.56	204.72	201.17	48.87	23.72	604991	31.24	36.20
120H-6	38.10	25.40	22.23	11.10	5.56	302.51	298.96	48.87	35.48	907487	31.24	36.20
140H	44.45	25.40	25.40	12.70	6.35	61.98	57.91	....	8.04	204629	36.45	42.24
140H-2	44.45	25.40	25.40	12.70	6.35	114.30	110.24	52.20	15.85	409259	36.45	42.24
140H-3	44.45	25.40	25.40	12.70	6.35	166.62	162.31	52.20	23.66	613888	36.45	42.24
140H-4	44.45	25.40	25.40	12.70	6.35	218.95	214.63	52.20	31.40	818518	36.45	42.24
160H	50.80	31.75	28.58	14.27	7.14	72.64	68.07	....	10.46	258011	41.66	48.26
160H-2	50.80	31.75	28.58	14.27	7.14	134.62	130.05	61.87	20.66	516022	41.66	48.26
160H-3	50.80	31.75	28.58	14.27	7.14	196.85	192.02	61.87	30.78	774033	41.66	48.26
160H-4	50.80	31.75	28.58	14.27	7.14	258.32	254.00	61.87	41.10	1032045	41.66	48.26
180H	57.15	35.72	35.71	17.45	7.92	83.31	76.45	....	14.27	338083	46.86	54.31
180H-2	57.15	35.72	35.71	17.45	7.92	152.40	145.54	69.16	28.07	676167	46.86	54.31
180H-3	57.15	35.72	35.71	17.45	7.92	221.74	214.88	69.16	41.88	1014251	46.86	54.31
200H	63.50	38.10	39.67	19.84	9.53	94.23	86.11	....	19.91	489331	52.07	60.33
200H-2	63.50	38.10	39.67	19.84	9.53	172.47	164.59	78.31	39.26	978663	52.07	60.33
200H-3	63.50	38.10	39.67	19.84	9.53	250.95	242.82	78.31	60.79	1467995	52.07	60.33
240H	76.20	25.40	47.63	23.80	12.70	123.19	110.49	....	31.37	701078	61.52	71.27

* Maximum values are shown.

NOTE: ASME/ANSI 60 and larger chains are available as cottered or riveted type design. Multiple strand chains are available with slip-fit (standard) or press-fit center plates.

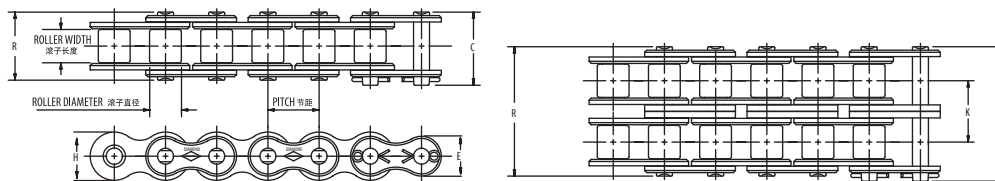
**显示的为最大值。

注: 多排链条可以以滑动配合(标准)或压入配合形式供货

NON-STANDARD SERIES CHAIN 非标准系列链条

Diamond non-standard series chains were designed prior to the adoption of the ASME / ANSI standards.

早在ASME / ANSI标准颁布以前，钻石就已经生产许多非标系列的链条。



Dimensions in mm

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
867	12.7	7.94	8.51	4.42	1.52	18.54	17.27	....	0.002	18.68
148 X 1/4	15.875	6.35	10.16	5.08	2.03	18.54	17.02	....	0.003	29.36
148 X 5/16	15.875	7.94	10.16	5.08	2.03	21.84	18.80	....	0.003	29.36
433 X 3/8	19.05	9.53	11.91	5.94	2.39	24.89	23.11	....	0.004	37.81
435 X 3/8	25.4	9.53	14.27	7.14	3.18	28.96	26.67	....	0.005	40.03
435 X 1/2	25.4	12.70	14.27	7.14	3.18	32.26	29.97	....	0.005	40.03
472	38.1	19.05	22.23	11.10	4.75	47.24	43.69	....	0.015	151.24
472-2	38.1	19.05	22.23	11.10	4.75	87.63	83.82	39.93	0.030	302.48
472-3	38.1	19.05	22.23	11.10	4.75	127.00	123.19	39.93	0.045	453.72
472-4	38.1	19.05	22.23	11.10	4.75	166.37	162.81	39.93	0.060	604.96
264	63.5	38.10	39.67	22.23	9.53	94.13	86.11	....	0.061	660.56
264-3	63.5	38.10	39.67	22.23	9.53	250.95	242.82	78.31	0.182	1981.68

www.tmc-flex.com

HIGH STRENGTH/LIFT CHAIN
高强度/升降链条

Diamond high strength / lift chains are built to ASME / ANSI B29.1 standards and are intended for applications subjected to heavy loads or lifting.

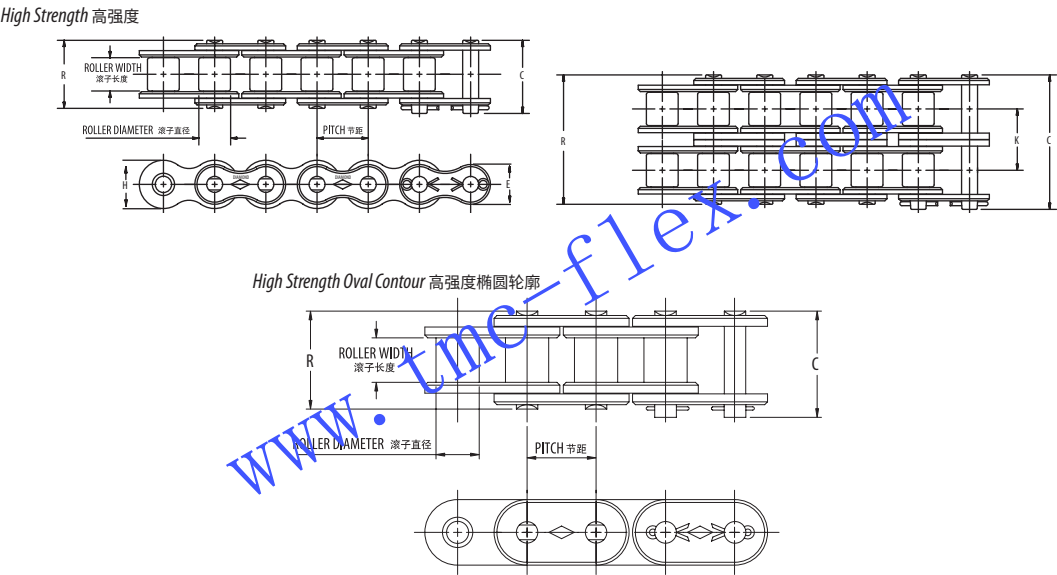
依照ASME / ANSI B29.1标准生产的钻石高强度/升降链条是为高度重载和升降需求而制。

HIGH STRENGTH (HS) AND HIGH STRENGTH OVAL CONTOUR (HSOC) DRIVE CHAINS

高强度（HS）和高强度椭圆轮廓（HSOC）传动链

Diamond high strength and high strength oval contour drive chains are built to ASME / ANSI B29.1 standards. These drive chains feature through-hardened, medium carbon alloy steel pins for higher working load capacity and additional resistance versus standard heavy series drive chains in high load and pulsating applications. High strength oval contour drive chains feature a full oval contour pin and roller link plates for maximum plate rigidity in high load fatigue applications.

钻石高强度和高强度椭圆轮廓链条遵循ASME / ANSI B29.1标准制成。这些经过淬透处理，以中碳合金钢制成的销轴，赋予链条更高的工作负载能力，并且在高载荷和交变的情况下具有很强的抗疲劳能力。内外链片都是全椭圆轮廓的高强度椭圆轮廓传动链，可以在高载荷疲劳环境下提供最大的链板强度。



Dimensions in mm

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
60HS	19.05	12.70	11.91	5.94	3.18	31.50	29.72	....	1.76	53382	15.62	18.11
60HSOC	19.05	12.70	11.91	5.94	3.18	31.50	29.72	....	2.11	93418	18.11	18.11
80HS	25.40	15.88	15.88	7.92	3.96	39.88	36.83	....	3.01	93418	20.83	24.13
80HSOC	25.40	15.88	15.88	7.92	3.96	39.88	36.83	....	3.54	133454	24.13	24.13
100HS	31.75	19.05	19.05	9.53	4.75	47.24	44.20	....	4.20	133454	26.04	30.18
100HSOC	31.75	19.05	19.05	9.53	4.75	47.24	44.20	....	4.90	182387	30.18	30.18
120HS	38.10	25.40	22.23	11.10	5.56	57.66	54.10	....	6.07	182387	31.24	36.20
140HS	44.45	25.40	25.40	12.70	6.35	61.98	57.91	....	8.04	249114	36.45	42.24
160HS	50.80	31.75	28.58	14.27	7.14	72.64	68.07	....	10.46	311393	41.66	48.26
180HS	57.15	35.72	35.71	17.45	7.92	83.31	76.45	....	14.27	422605	46.86	54.31
200HS	63.50	38.10	39.67	19.84	9.53	94.23	86.11	....	20.46	604992	52.07	60.33
200HS-2	63.50	38.10	39.67	19.84	9.53	172.47	164.59	349.25	39.26	1201087	52.07	60.33
200HS-3	63.50	38.10	39.67	19.84	9.53	250.95	242.82	670.05	60.79	1801630	52.07	60.33
240HS	76.20	44.45	47.63	23.80	12.70	123.19	110.49	1037.59	31.37	701079	61.52	71.27

** Maximum values are shown.

Note: Offset links and slip fit connecting links are not recommended for high strength or lift chain applications.

**显示的为最大值。

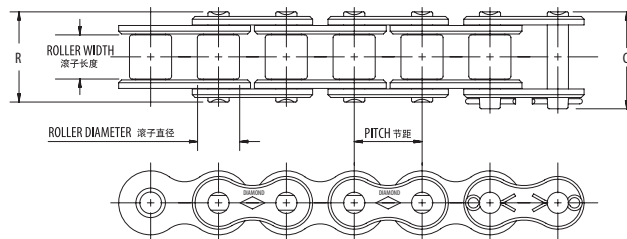
注：不建议在高强度和升降链上使用偏位接头和滑动配合连接接头。

HIGH STRENGTH/LIFT CHAIN 高强度/升降链条

HOIST CHAIN 提升链条

Diamond hoist chains are built to ASME / ANSI B29.24 standards and feature through-hardened, medium carbon alloy steel pins for high load capacity, slow speed applications.

钻石提升链条根据ASME / ANSI B29.24标准制成，以中碳合金钢制成的销轴和滚子都经过淬透，适合运用在低速，高负载的场合。



Dimensions in mm

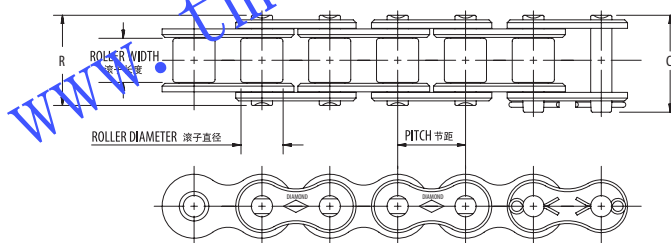
ASME/ANSI 链号	Pitch 节距 mm	Roller Width 滚子长度 mm	Roller Diameter 滚子直径 mm	Pin Diameter 销轴直径 mm	Link Plate Thickness 链片厚度 mm	C mm	R mm	每米重量 kg/m	Average Tensile Strength 平均拉伸载荷 KN
625	15.88	9.53	10.16	5.08	2.03	22.61	21.08	1.012	35.6
750	19.05	12.70	11.91	5.94	2.388	28.19	26.42	1.473	46.7



ROLLERLESS LIFT CHAIN* 无滚子升降链条

Diamond chain rollerless lift chains are designed for tension linkage applications requiring increased bearing area of a roller chain.

钻石无滚子升降链条是为满足因频繁啮合而需增加链条支撑面的张力联接而特别设计。



Dimensions in mm

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	每米重量 kg/m	Average Tensile Strength 平均拉伸载荷 KN
55S †	15.88	9.53	*7.11	5.08	2.03	22.61	21.08	0.818	35.6
65S †	19.05	12.70	*8.43	5.94	2.388	28.19	26.42	1.205	46.7
85	25.4	15.88	*11.23	7.92	3.175	36.58	33.53	2.098	64.5
105	31.75	19.05	*13.51	9.53	3.962	43.94	40.89	3.095	106.8
125	38.1	25.40	*15.75	11.10	4.750	54.36	50.80	4.524	151.2

*Chains are rollerless -- dimension shown is bushing diameter.

†Numbers 55S and 65S are assembled with medium carbon through-hardened pins.

Note: Slip fit connecting and offset links are not available for these chains.

*对于无滚子链条—所示尺寸为套筒直径。

+55S和65S序号的链条是由表面经中碳淬透的销轴连接而成的。

注：这些链条上不使用滑动配合连接接头和偏位接头。

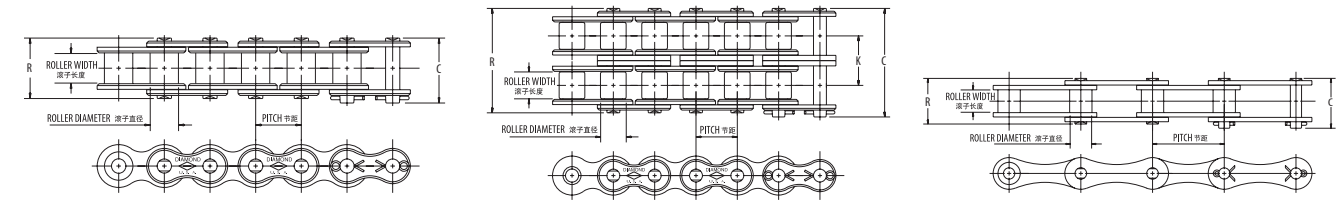
SPECIALTY LUBRICATED CHAIN 特殊自润滑链条

Diamond Chain specialty lubricated chains are intended for applications where regular lubrication is not possible or practical. 钻石特殊自润滑链条是特为做不到或不适用普通润滑的情况而设计。

DURALUBE® CHAIN 自润滑链条

Diamond Chain DURALUBE® series chains are specifically intended for applications in which regular lubrication is impractical. DURALUBE® series chains feature a one-piece powdered metal bushing and roller combination lubricated under vacuum providing supplemental lubrication between regularly scheduled maintenance.

钻石链条DURALUBE®系列是专为普通润滑难以实施的应用情况而设计的。DURALUBE®系列链条的套筒和滚子是一体的，由金属粉末和润滑剂混合物作为原材料加工而成，在定期维修中提供润滑。



Dimensions in mm

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 平均拉伸强度 KN	Maximum Axel Speed 最大轴心速度 m/min	E* 外链片高度 mm	H* 内链片高度 mm
40-DL	12.7	7.94	7.92	3.96	1.52	18.29	17.02	....	0.595	4.67	396.24	10.41	12.07
40-2-DL	12.7	7.94	7.92	3.96	1.52	32.77	31.5	14.38	1.205	29.33	396.24	10.41	12.07
50-DL	15.88	9.53	10.16	5.08	2.03	22.61	21.08	....	0.967	23.11	304.8	13.0	15.09
50-2-DL	15.88	9.53	10.16	5.08	2.03	40.64	39.37	18.11	1.89	46.22	304.8	13.0	15.09
60-DL	19.05	12.7	11.91	5.94	2.39	28.19	16.42	....	1.414	32.89	259.08	15.62	18.11
60-2-DL	19.05	12.7	11.91	5.94	2.39	51.05	49.38	22.78	2.753	65.78	259.08	15.62	18.11
80-DL	25.4	15.88	15.88	7.92	3.18	36.38	33.53	....	2.381	57.78	198.12	20.83	24.13
2040-DL	25.4	7.94	7.92	3.96	1.52	19.304	17.272	....	0.45	14.67	182.88	.....	12.07
2050-DL	31.75	15.88	10.16	5.08	2.03	23.368	21.336	....	0.7	23.11	182.88	.....	15.09
2060-DL	38.1	12.7	12.7	5.94	2.39	28.194	26.67	....	1.042	32.89	182.88	.....	18.11

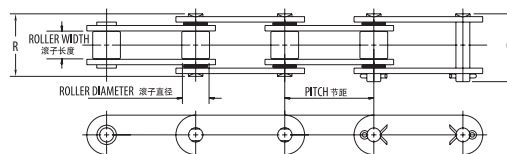
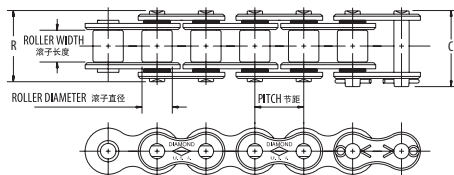
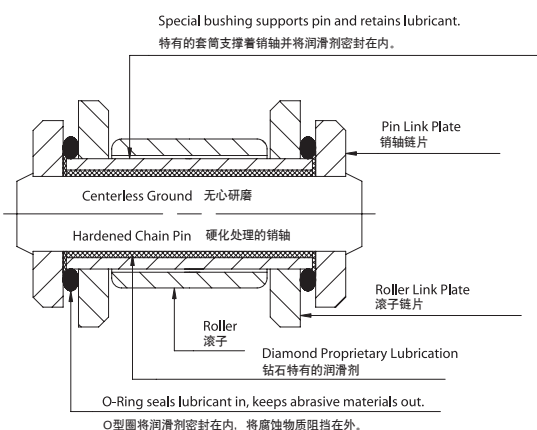
* Maximum values are shown. * 显示的为最大值。
Due to the nature of the DURALUBE® drive chain's construction, note the maximum speed limitations. Ambient temperature should not exceed 120 degrees Fahrenheit.
由于DURALUBE®传动链的特殊结构，使用时需注意最大速度的限制。工作温度不得超过120华氏度(48.9℃)。

SPECIALTY LUBRICATED CHAIN 特殊自润滑链条

RING LEADER® O-RING DRIVE CHAIN

RING LEADER® O型圈自润滑传动链条

Diamond Chain ring Leader O-ring series chains are specifically intended for applications in which regular lubrication is not possible. Ring leader O-ring series chains are constructed with rings that seal Diamond Chain's proprietary lubricant in and keeps contaminants out. 钻石链条RING LEADER®系列是专为普通润滑方式得不到实施的应用环境而制。RING LEADER®系列链条带有的O型圈，将钻石链条特有的润滑剂密封在内，同时也阻挡了污染物的进入。



Dimensions in mm

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	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
50 XLO	15.88	9.53	10.16	5.08	2.03	24.13	22.606	1.07	28.89	13.0	15.09
50H XLO	15.88	9.53	10.16	5.44	2.39	25.91	24.38	1.18	41.33	13.0	15.09
60 XLO	19.05	12.7	11.91	5.94	2.39	30.734	28.702	1.5	34.22	15.62	18.11
80 XLO	25.4	15.88	15.88	7.92	3.18	38.354	35.814	2.63	60	20.83	24.13
100 XLO	31.75	19.05	19.05	9.53	3.96	46.482	44.2	3.79	97.78	26.035	30.175
120 XLO	38.1	25.4	22.225	11.1	4.75	56.9	53.85	5.6	133.33	31.242	36.195
140 XLO	44.45	25.4	25.4	12.7	5.56	63.25	59.69	7.59	186.67	36.449	42.24
160 XLO	50.8	31.75	28.575	14.275	6.35	15.2	71.628	9.91	231.11	41.656	48.26
C2050 XLO	31.75	9.53	10.16	5.08	2.03	24.13	22.606	0.88	28.89	.....	15.09
C2060H XLO	38.1	12.7	11.91	5.94	3.18	32.258	30.734	1.74	34.22	.....	18.08

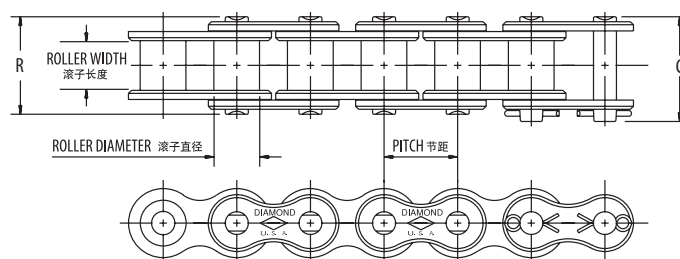
* Maximum values are shown. *显示的为最大值

Note: Standard RING LEADER O-Ring chain can routinely operate in ambient temperatures up to 150°F. For higher temperature requirements, special O-rings can be substituted, allowing operation in temperatures of 400°F or greater. 注：标准的RING LEADER® O型圈传动链条可长期在高达150华氏度（65.6℃）的环境下运行。若有更高的温度需求，可以替换特殊的O型圈，其工作温度可达400华氏度（204.4℃）或更高。

DUST STOPPER™ DRIVE CHAIN

DUST STOPPER™ 防尘自润滑传动链条

Diamond Chain dust stopper series chains are specifically intended for applications that require the functionality of both the DURALUBE and Ring Leader O-Ring drive chain. 钻石链条Dust Stopper®防尘系列特为需要DURALUBE®和Ring Leader® O型圈系列链条双重功能性的应用而制。



Dimensions in mm

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	每米重量 kg/m	Average Tensile Strength 平均拉伸载荷 KN	Maximum Axel Speed 最大轴心速度 m/min	E* 外链片高度 mm	H* 内链片高度 mm
40 XDLO	12.7	7.94	7.92	3.96	1.52	19.812	18.542	0.64	14.67	396.24	10.41	12.07
50 XDLO	15.88	9.53	10.16	5.08	2.03	24.13	14.99	1.01	23.11	304.8	13.0	15.09
60 XDLO	19.05	12.7	11.91	5.94	2.39	30.734	28.7	1.41	32.89	259.08	15.62	18.11
80 XDLO	25.4	15.88	15.88	7.92	3.18	38.354	35.814	2.37	57.78	198.12	20.83	24.13

* Maximum values are shown. *显示的为最大值

Due to the nature of the DUST STOPPER® drive chain's construction, note the maximum speed limitations. Ambient temperature should not exceed 120 degrees Fahrenheit.

由于Dust Stopper®防尘传动链的特殊结构，使用时需注意最大速度的限制。工作温度不得超过120华氏度（48.9℃）。

In addition to the items featured in this catalog, the Diamond Chain Company also offers products for specific applications including:
除上述目录中列出的产品, 钻石链条公司还提供以下专用链条:

AGRICULTURAL ROLLER CHAIN 农机滚子链条

Diamond Chain produces a full assortment of agricultural attachments for use with Diamond standard series roller chain.
钻石链条公司有特为钻石标准系列的滚子链条配套生产一整套农用附件。

ATTACHMENT ROLLER CHAIN 附件滚子链条

Diamond Chain single and double pitch roller chains can be assembled with attachment link plates or extended pins.
钻石链条单节距和双节距的滚子链可以配有带附件的链片和延长销轴。

CORROSION / MOISTURE RESISTANT ROLLER CHAIN 防腐蚀/防潮滚子链条

Diamond Chain produces a full line of corrosion/moisture resistant chains for use in environments where the chains are exposed to moisture or corrosive materials. These chains are available in stainless steel, with nickel plating, and with Diamond Chain's proprietary anti corrosive exterior which features a two stage zinc-nickel and non-hexavalent chromium coating. Standard attachments are also available.

些应用环境中链条会与水汽或腐蚀物质直接接触, 钻石链条生产一系列防腐蚀和防潮的链条。这些链条用不锈钢制成, 链片镀镍, 外表有钻石公司特有的抗腐蚀涂层, 这种保护涂层由一层二阶锌镍合金和一层非六价铬涂层组成。也提供与其配套的标准附件。

DOUBLE PITCH ROLLER CHAIN 双节距滚子链条

Diamond Chain offers double pitch power transmission and conveyor roller chain. Power transmission chains feature a figure eight style link plate and are ideal for agricultural applications. Conveyor chains are available with an oval contour link plate and can be produced with standard or over-sized rollers and a variety of attachments. Conveyor chains are intended for applications where loads are low and speeds are moderate.

钻石链条可提供双节距的传动链和输送链。传动链的链片是8字形的, 通常被用于农机类的轻载荷动力装置上。输送链的链片一般是椭圆形轮廓, 配有标准或大号的滚子以及一系列附件。输送链适用于中速低载荷的传输要求。

OIL AND GAS ROLLER CHAIN 油田滚子链条

Diamond Chain offers a full assortment of API (American Petroleum Institute) certified multi strand roller chain that meets the requirements of Specification 7F8. Diamond Chain also produces a narrow width 1 ½ inch pitch and 2 ½ inch pitch chain for use on older rig setups.

钻石链条提供一系列经API (美国石油研究院) 认证, 符合7F规范要求的多排链条。钻石链条还为一些老式的钻井平台生产一种宽度稍窄的1½英寸和2½英寸节距的链条。

PIN OVEN ROLLER CHAIN 制罐滚子链条

Diamond Chain pin oven chains are built with Diamond standard series 60 pitch ANSI chain and are available with bendable, breakaway, or stainless steel carrier pins.

钻石制罐用链条遵循钻石标准60节距的ANSI链条, 运载销具有可弯曲, 可分离式和不锈钢型多种选择。

SPECIALTY / MADE-TO-ORDER ATTACHMENTS 特制/定制附件

Diamond Chain produces a variety of specialty application attachments in addition to producing made-to-order attachments for any application.
钻石链条除为任何应用装置生产定制附件外, 还生产各种特殊的附件。

For additional information on the Diamond Chain Company, its products and its services, please visit us at www.diamondchain.com or call 1-800-872-4246.

欲知更多关于Diamond链条公司, 以及其产品、服务等信息, 请登录我们的网站www.diamondchain.com.cn或拨打电话: 0512-62653075.

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	9.32	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	4.90	6.35	7.95	9.53	11.13	12.70	13.61	15.88	19.05
31	1.65	2.46	3.28	4.16	4.93	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

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													
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	27.0	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	23.8	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	17.15	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