

DIAMOND[®]
DIAMOND CHAIN COMPANY





TABLE OF CONTENTS

ASME/ANSI Series Chain	4 - 5
Heavy Series Chain	6
Non-Standard Series Chain	7
High Strength/Lift Chain	8 - 9
Specialty Lubrication – DURALUBE® Chain	10
Specialty Lubrication – RING LEADER® O-Ring Chain	10
Specialty Lubrication – DUST STOPPER™ Chain	11
Additional Products	11
Pitches to Meters Conversion Table	12 - 13

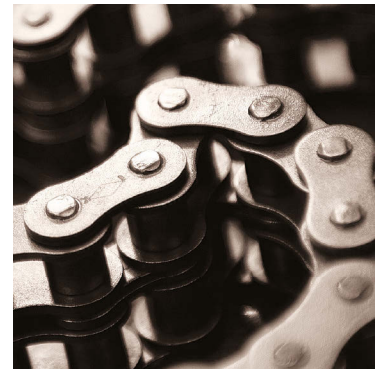
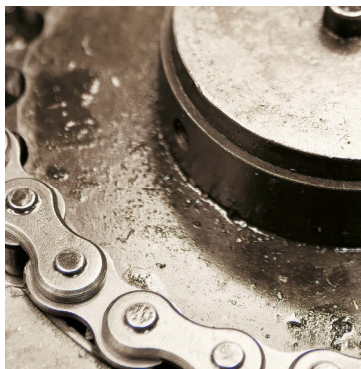
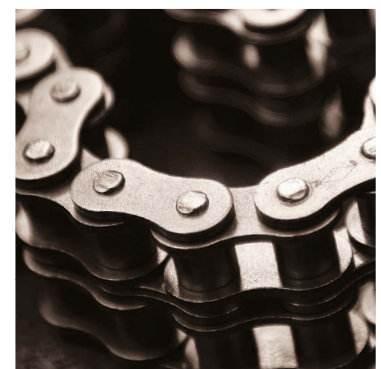
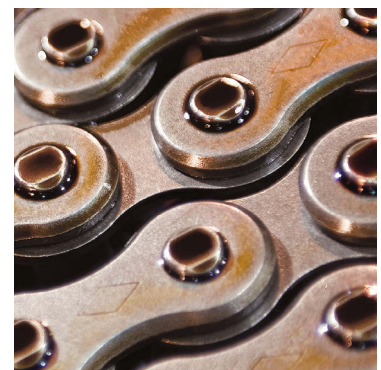
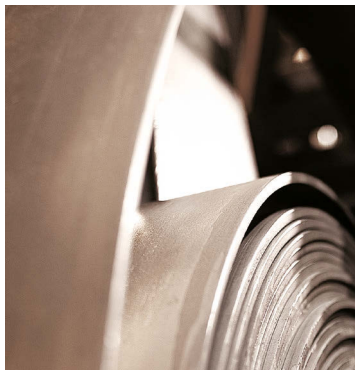


Every Calling is Great, When Greatly Pursued.

OLIVER WENDELL HOLMES



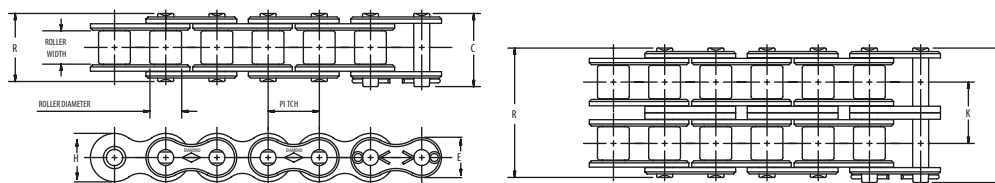
At the Diamond Chain Company, the calling to design and manufacture the world's highest-performing roller chain is greatly pursued every day by teams of passionate technical experts who have made your success their life's work. It's that intensity of focus that some of the world's greatest inventors 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.



DIAMOND ASME/ANSI SERIES CHAIN

SINGLE AND MULTI-STRAND

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



Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	K mm	KG Per M	Average Tensile Strength N	E**	H**
25	6.35	3.18	3.30*	2.29	0.76	9.40	8.64	....	0.13	3892	5.21	6.05
25-2	6.35	3.18	3.30*	2.29	0.76	16.00	14.99	6.40	0.24	7784	5.21	6.05
25-3	6.35	3.18	3.30*	2.29	0.76	22.35	21.34	6.40	0.37	11677	5.21	6.05
35	9.525	4.76	5.08*	3.58	1.27	14.22	12.70	....	0.31	9341	7.82	9.04
35-2	9.525	4.76	5.08*	3.58	1.27	24.38	22.86	10.13	0.67	18682	7.82	9.04
35-3	9.525	4.76	5.08*	3.58	1.27	34.54	33.27	10.13	1.01	28024	7.82	9.04
35-4	9.525	4.76	5.08*	3.58	1.27	44.70	43.18	10.13	1.35	37365	7.82	9.04
35-5	9.525	4.76	5.08*	3.58	1.27	54.86	53.59	10.13	1.70	46706	7.82	9.04
35-6	9.525	4.76	5.08*	3.58	1.27	65.28	63.75	10.13	2.04	56047	7.82	9.04
40	12.70	7.94	7.92	3.96	1.52	18.29	17.02	....	0.61	17793	10.41	12.07
40-2	12.70	7.94	7.92	3.96	1.52	32.77	31.50	14.38	1.19	35586	10.41	12.07
40-3	12.70	7.94	7.92	3.96	1.52	46.99	45.72	14.38	1.79	53378	10.41	12.07
40-4	12.70	7.94	7.92	3.96	1.52	61.47	60.20	14.38	2.38	71171	10.41	12.07
40-6	12.70	7.94	7.92	3.96	1.52	90.42	89.15	14.38	3.60	106757	10.41	12.07
41	12.70	6.35	7.77	3.58	1.27	16.51	14.48	....	0.39	10676	7.87	9.73
50	15.875	9.53	10.16	5.08	2.03	22.61	21.08	....	1.05	29358	13.00	15.09
50-2	15.875	9.53	10.16	5.08	2.03	40.64	39.37	18.11	2.08	58716	13.00	15.09
50-3	15.875	9.53	10.16	5.08	2.03	58.67	57.40	18.11	3.11	88075	13.00	15.09
50-4	15.875	9.53	10.16	5.08	2.03	76.96	75.44	18.11	4.14	117433	13.00	15.09
50-5	15.875	9.53	10.16	5.08	2.03	95.25	93.73	18.11	5.16	146791	13.00	15.09
50-6	15.875	9.53	10.16	5.08	2.03	113.28	111.76	18.11	6.20	176149	13.00	15.09
50-8	15.875	9.53	10.16	5.08	2.03	149.61	148.08	18.11	8.27	234865	13.00	15.09
50-10	15.875	9.53	10.16	5.08	2.03	185.93	184.40	18.11	10.31	293582	13.00	15.09
60	19.05	12.70	11.91	5.94	2.39	28.19	26.42	....	1.47	37810	15.62	18.11
60-2	19.05	12.70	11.91	5.94	2.39	51.05	49.28	22.78	2.90	75620	15.62	18.11
60-3	19.05	12.70	11.91	5.94	2.39	73.91	72.14	22.78	4.29	113429	15.62	18.11
60-4	19.05	12.70	11.91	5.94	2.39	96.77	95.00	22.78	5.80	151239	15.62	18.11
60-5	19.05	12.70	11.91	5.94	2.39	119.63	117.86	22.78	7.40	189049	15.62	18.11
60-6	19.05	12.70	11.91	5.94	2.39	142.24	140.46	22.78	8.87	226859	15.62	18.11
60-8	19.05	12.70	11.91	5.94	2.39	187.96	186.18	22.78	11.82	302478	15.62	18.11
60-10	19.05	12.70	11.91	5.94	2.39	233.43	231.65	22.78	14.76	378098	15.62	18.11
80	25.40	15.88	15.88	7.92	3.18	36.58	33.53	....	2.57	64499	20.83	24.13
80-2	25.40	15.88	15.88	7.92	3.18	65.79	62.74	29.29	5.02	128998	20.83	24.13

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

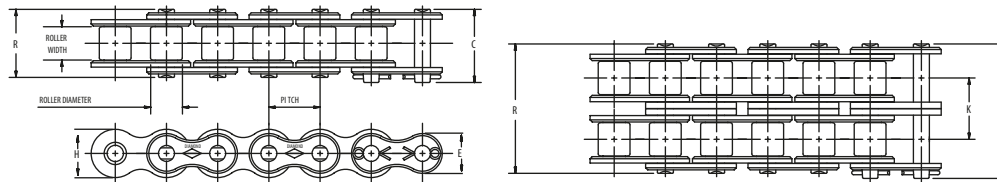
** Maximum values are shown.

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

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

Chart continues on next page.

DIAMOND ASME/ANSI SERIES CHAIN



Dimensions in mm

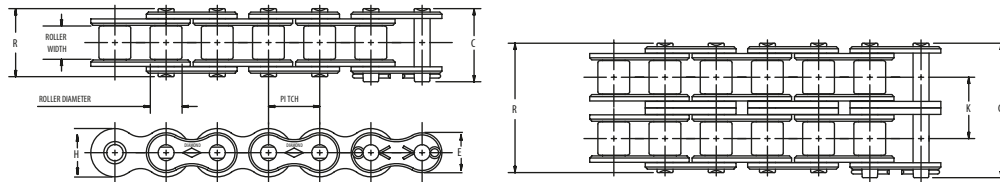
ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	K mm	KG Per M	Average Tensile Strength N	E**	H**
80-3	25.4	15.88	15.88	7.92	3.18	95.00	91.95	29.29	7.47	193497	20.83	24.13
80-4	25.4	15.88	15.88	7.92	3.18	124.46	121.67	29.29	10.02	257996	20.83	24.13
80-5	25.4	15.88	15.88	7.92	3.18	153.92	150.88	29.29	12.50	322495	20.83	24.13
80-6	25.4	15.88	15.88	7.92	3.18	183.39	180.34	29.29	14.99	386994	20.83	24.13
80-8	25.4	15.88	15.88	7.92	3.18	242.06	238.76	29.29	19.96	515992	20.83	24.13
100	31.75	19.05	19.05	9.53	3.96	43.94	40.89	.....	3.74	106757	26.04	30.18
100-2	31.75	19.05	19.05	9.53	3.96	79.76	76.71	35.76	7.31	213514	26.04	30.18
100-3	31.75	19.05	19.05	9.53	3.96	115.82	112.52	35.76	11.01	320271	26.04	30.18
100-4	31.75	19.05	19.05	9.53	3.96	151.64	148.34	35.76	14.58	427028	26.04	30.18
100-5	31.75	19.05	19.05	9.53	3.96	187.45	184.15	35.76	18.16	533785	26.04	30.18
100-6	31.75	19.05	19.05	9.53	3.96	223.01	219.96	35.76	21.73	640542	26.04	30.18
100-8	31.75	19.05	19.05	9.53	3.96	294.64	291.59	35.76	28.87	854056	26.04	30.18
120	38.10	25.40	22.23	11.10	4.75	54.36	50.80	.....	5.49	151239	31.24	36.20
120-2	38.10	25.40	22.23	11.10	4.75	99.82	96.27	35.76	10.94	302478	31.24	36.20
120-3	38.10	25.40	22.23	11.10	4.75	145.29	141.73	35.76	16.52	453717	31.24	36.20
120-4	38.10	25.40	22.23	11.10	4.75	191.01	187.45	35.76	21.88	604956	31.24	36.20
120-5	38.10	25.40	22.23	11.10	4.75	236.47	232.92	35.76	27.43	756195	31.24	36.20
120-6	38.10	25.40	22.23	11.10	4.75	281.94	278.38	35.76	32.90	907434	31.24	36.20
120-8	38.10	25.40	22.23	11.10	4.75	372.87	369.32	35.76	43.86	1209913	31.24	36.20
120-10	38.10	25.40	22.23	11.10	4.75	463.80	460.25	35.76	54.81	1512391	31.24	36.20
140	44.45	25.40	25.40	12.70	5.56	58.67	54.36	.....	7.44	204618	36.45	42.24
140-2	44.45	25.40	25.40	12.70	5.56	107.70	103.38	48.87	14.36	409235	36.45	42.24
140-3	44.45	25.40	25.40	12.70	5.56	156.46	152.40	48.87	21.28	613853	36.45	42.24
140-4	44.45	25.40	25.40	12.70	5.56	205.49	201.42	48.87	28.20	818470	36.45	42.24
140-6	44.45	25.40	25.40	12.70	5.56	303.28	299.21	48.87	42.04	1227705	36.45	42.24
160	50.80	31.75	28.58	14.27	6.35	69.34	64.52	.....	9.72	257996	41.66	48.26
160-2	50.80	31.75	28.58	14.27	6.35	128.02	123.19	58.55	19.09	515992	41.66	48.26
160-3	50.80	31.75	28.58	14.27	6.35	186.69	181.86	58.55	28.32	773988	41.66	48.26
160-4	50.80	31.75	28.58	14.27	6.35	245.36	240.54	58.55	38.10	1031984	41.66	48.26
160-6	50.80	31.75	28.58	14.27	6.35	362.46	357.89	58.55	56.22	1547976	41.66	48.26
180	57.15	35.72	35.71	17.45	7.14	80.01	73.15	.....	13.48	338064	46.86	54.31
180-2	57.15	35.72	35.71	17.45	7.14	146.05	139.19	65.84	26.30	676128	46.86	54.31
180-3	57.15	35.72	35.71	17.45	7.14	211.84	204.98	65.84	38.99	1014191	46.86	54.31
200	63.5	38.10	39.67	19.84	7.92	87.38	79.25	.....	15.85	422580	52.07	60.33
200-2	63.5	38.10	39.67	19.84	7.92	159.00	150.88	71.55	32.00	845160	52.07	60.33
200-3	63.5	38.10	39.67	19.84	7.92	230.63	222.50	71.55	48.07	1267739	52.07	60.33
200-4	63.5	38.10	39.67	19.84	7.92	302.26	294.13	71.55	63.84	1690319	52.07	60.33
200-6	63.5	38.10	39.67	19.84	7.92	445.01	437.13	71.55	95.99	2535479	52.07	60.33
240	76.2	47.63	47.63	23.80	9.53	109.73	97.28	.....	25.34	701038	61.52	71.27
240-2	76.2	47.63	47.63	23.80	9.53	197.36	184.66	87.83	49.76	1402075	61.52	71.27
240-3	76.2	47.63	47.63	23.80	9.53	285.24	272.54	87.83	74.07	2103113	61.52	71.27

** Maximum values are shown.

HEAVY SERIES CHAIN

SINGLE AND MULTI-STRAND

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.



Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	K mm	KG Per M	Average Tensile Strength N	E*	H*
60H	19.05	12.70	11.91	5.94	3.18	31.50	29.72	.....	1.76	37810	15.62	18.11
60H-2	19.05	12.70	11.91	5.94	3.18	57.66	55.88	26.11	3.47	75620	15.62	18.11
60H-3	19.05	12.70	11.91	5.94	3.18	84.07	82.30	26.11	5.16	113429	15.62	18.11
60H-4	19.05	12.70	11.91	5.94	3.18	110.24	108.20	26.11	6.86	151239	15.62	18.11
80H	25.4	15.88	15.88	7.92	3.96	39.88	36.83	.....	3.01	64499	20.83	24.13
80H-2	25.4	15.88	15.88	7.92	3.96	72.14	69.09	32.59	5.85	128998	20.83	24.13
80H-3	25.4	15.88	15.88	7.92	3.96	105.16	102.11	32.59	8.81	193497	20.83	24.13
80H-4	25.4	15.88	15.88	7.92	3.96	137.67	134.62	32.59	11.71	257996	20.83	24.13
100H	31.75	19.05	19.05	9.53	4.75	47.24	44.20	.....	4.20	106757	26.04	30.18
100H-2	31.75	19.05	19.05	9.53	4.75	86.61	83.31	39.09	8.30	213514	26.04	30.18
100H-3	31.75	19.05	19.05	9.53	4.75	125.73	122.43	39.09	12.38	320271	26.04	30.18
100H-4	31.75	19.05	19.05	9.53	4.75	164.85	160.02	39.09	16.43	427028	26.04	30.18
120H	38.10	25.40	22.23	11.10	5.56	57.66	54.10	.....	6.07	151239	31.24	36.20
120H-2	38.10	25.40	22.23	11.10	5.56	106.68	116.84	48.87	11.96	302478	31.24	36.20
120H-3	38.10	25.40	22.23	11.10	5.56	155.70	152.15	48.87	17.84	453717	31.24	36.20
120H-4	38.10	25.40	22.23	11.10	5.56	204.72	201.17	48.87	23.72	604956	31.24	36.20
120H-6	38.10	25.40	22.23	11.10	5.56	302.51	298.96	48.87	35.48	907434	31.24	36.20
140H	44.45	25.40	25.40	12.70	6.35	61.98	57.91	.....	8.04	204618	36.45	42.24
140H-2	44.45	25.40	25.40	12.70	6.35	114.30	110.24	52.20	15.85	409235	36.45	42.24
140H-3	44.45	25.40	25.40	12.70	6.35	166.62	162.31	52.20	23.66	613853	36.45	42.24
140H-4	44.45	25.40	25.40	12.70	6.35	218.95	214.63	52.20	31.40	818470	36.45	42.24
160H	50.80	31.75	28.58	14.27	7.14	72.64	68.07	.....	10.46	257996	41.66	48.26
160H-2	50.80	31.75	28.58	14.27	7.14	134.62	130.05	61.87	20.66	515992	41.66	48.26
160H-3	50.80	31.75	28.58	14.27	7.14	196.85	192.02	61.87	30.78	773988	41.66	48.26
160H-4	50.80	31.75	28.58	14.27	7.14	258.32	254.00	61.87	41.10	1031984	41.66	48.26
180H	57.15	35.72	35.71	17.45	7.92	83.31	76.45	.....	14.27	338064	46.86	54.31
180H-2	57.15	35.72	35.71	17.45	7.92	152.40	145.54	69.16	28.07	676128	46.86	54.31
180H-3	57.15	35.72	35.71	17.45	7.92	221.74	214.88	69.16	41.88	1014191	46.86	54.31
200H	63.50	38.10	39.67	19.84	9.53	94.23	86.11	.....	19.91	489303	52.07	60.33
200H-2	63.50	38.10	39.67	19.84	9.53	172.47	164.59	78.31	39.26	978606	52.07	60.33
200H-3	63.50	38.10	39.67	19.84	9.53	250.95	242.82	78.31	60.79	1467909	52.07	60.33
240H	76.20	25.40	47.63	23.80	12.70	123.19	110.49	.....	31.37	701038	61.52	71.27

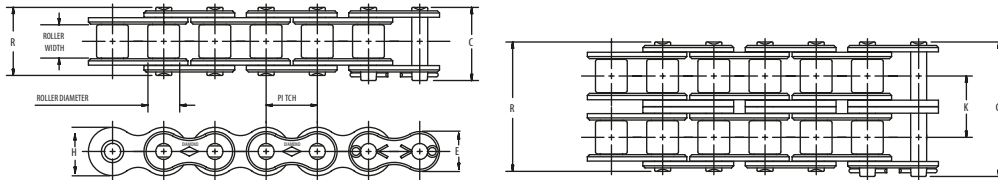
* Maximum values are shown.

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

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

NON-STANDARD SERIES CHAIN

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



Dimensions in mm

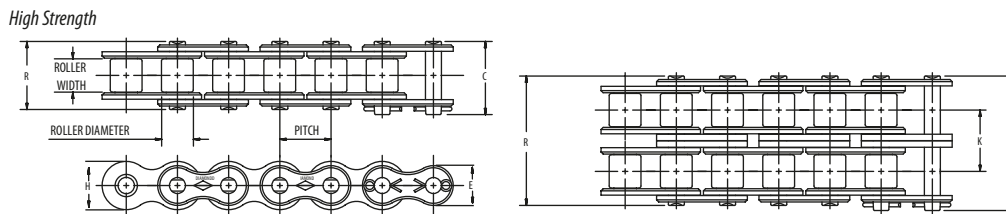
ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	K mm	KG Per M	Average Tensile Strength N
867	12.70	7.94	8.51	4.42	1.52	18.54	17.27	....	0.64	18682
148 X 1/4	15.88	6.35	10.16	5.08	2.03	18.54	17.02	....	0.88	29358
148 X 5/16	15.88	7.94	10.16	5.08	2.03	21.84	18.80	....	0.95	29358
433 X 3/8	19.05	9.53	11.91	5.94	2.39	24.89	23.11	....	1.35	37810
435 X 3/8	25.40	9.53	14.27	7.14	3.18	28.96	26.67	....	1.65	40034
435 X 1/2	25.40	6.35	14.27	7.14	3.18	32.26	29.97	....	1.80	40034
472	38.10	12.70	22.23	11.10	4.75	47.24	43.69	....	5.06	151239
472-2	38.10	19.05	22.23	11.10	4.75	87.63	83.82	39.37	10.06	302478
472-3	38.10	19.05	22.23	11.10	4.75	127.00	123.19	39.37	15.00	453717
472-4	38.10	19.05	22.23	11.10	4.75	166.37	162.81	39.37	19.94	604956
264	63.50	38.10	39.67	22.23	9.53	94.23	86.11	....	20.36	660559
264-3	63.50	38.10	39.67	22.23	9.53	250.95	242.82	78.30	60.90	660559

HIGH STRENGTH/LIFT CHAIN

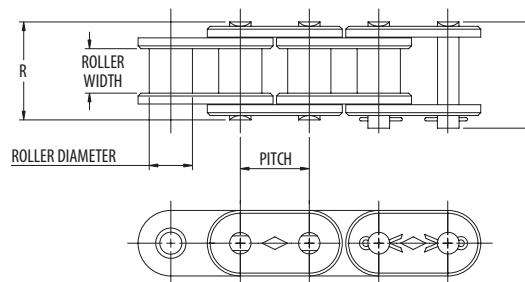
Diamond high strength / lift chains are built to ASME / ANSI B29.1 standards and are intended for applications subject to heavy loads or lifting.

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

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.



High Strength Oval Contour



Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	K mm	KG Per M	Average Tensile Strength N	E*	H*
60HS	19.05	12.70	11.91	5.94	3.18	31.50	29.72	....	1.76	53378	15.62	18.11
60HSOC	19.05	12.70	11.91	5.94	3.18	31.50	29.72	....	2.11	53378	18.11	18.11
80HS	25.4	15.88	15.88	7.92	3.96	39.88	36.83	....	3.01	93412	20.83	24.13
80HSOC	25.4	15.88	15.88	7.92	3.96	39.88	36.83	....	3.54	93412	24.13	24.13
100HS	31.75	19.05	19.05	9.53	4.75	47.24	44.20	....	4.20	133446	26.04	30.18
100HSOC	31.75	19.05	19.05	9.53	4.75	47.24	44.20	....	4.90	133446	30.18	30.18
120HS	38.1	25.40	22.23	11.10	5.56	57.66	54.10	....	6.07	182377	31.24	36.20
140HS	44.45	25.40	25.40	12.70	6.35	61.98	57.91	....	8.04	249100	36.45	42.24
160HS	50.8	31.75	28.58	14.27	7.14	72.64	68.07	....	10.46	311375	41.66	48.26
180HS	57.15	36.02	35.71	17.45	7.92	83.31	76.45	....	14.27	422580	46.86	54.31
200HS	63.5	38.10	39.67	19.84	9.53	94.23	86.11	....	20.46	604956	52.07	60.33
200HS-2	63.5	38.10	39.67	19.84	9.53	172.47	164.59	78.31	39.26	1201016	52.07	60.33
200HS-3	63.5	38.10	39.67	19.84	9.53	250.95	242.82	78.31	60.79	1801524	52.07	60.33
240HS	76.2	25.40	47.63	23.80	12.70	123.19	110.49	....	31.37	701038	61.52	71.27

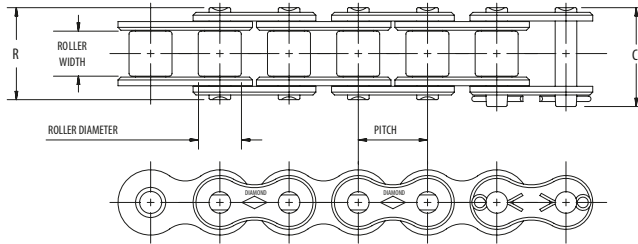
* Maximum values are shown.

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

HIGH STRENGTH/LIFT CHAIN

HOIST CHAIN

Diamond hoist chains are built to ASME / ANSI B29.21 standards and feature through-hardened, medium carbon alloy steel pins for high load capacity, slow speed applications.



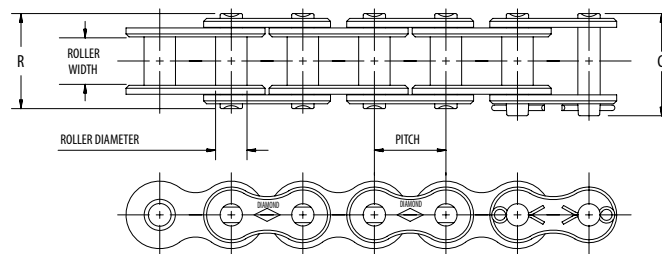
Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	KG Per M	Average Tensile Strength N
625	15.88	9.53	10.16	5.08	2.03	22.61	21.08	1.01	35586
750	19.05	12.70	11.91	5.94	2.39	28.19	26.42	1.47	46706



ROLLERLESS LIFT CHAIN*

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



Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	KG Per M	Average Tensile Strength N
55S †	15.88	9.53	7.11	5.08	2.03	22.61	21.08	0.82	35586
65S †	19.05	12.70	8.43	5.94	2.39	28.19	26.42	1.21	46706
85	25.40	15.88	11.23	7.92	3.18	36.58	33.53	2.10	64499
105	31.75	19.05	13.51	9.53	3.96	43.94	40.89	3.10	106757
125	38.10	25.40	15.75	11.10	4.75	54.36	50.80	4.52	151239

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

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

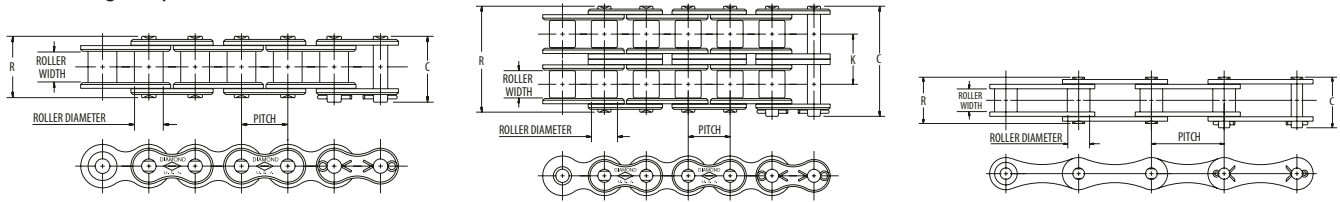
Note: Slip fit connecting and offset links are not available for these chains.

SPECIALTY LUBRICATED CHAIN

Diamond specialty lubricated chains are intended for applications where regular lubrication is not possible or practical.

DURALUBE® CHAIN

Diamond 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.



Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	K mm	Kg Per M	Average Tensile Strength N	Maximum Axle Speed Km/Min	E*	H*
40-DL	12.7	7.94	7.92	3.96	1.52	18.29	17.02	....	0.60	14679	396	10.414	12.065
40-2-DL	12.7	7.94	7.92	3.96	1.52	32.77	31.50	14.37	1.21	29358	396	10.414	12.065
50-DL	15.875	9.53	10.16	5.08	2.03	22.61	21.08	18.11	0.97	23131	305	13.0048	15.0876
50-2-DL	15.875	9.53	10.16	5.08	2.03	40.64	39.37	....	1.89	46261	305	13.0048	15.0876
60-DL	19.05	12.70	11.91	5.94	2.39	28.19	26.42	22.78	1.41	32917	259	15.621	18.1102
60-2-DL	19.05	12.70	11.91	5.94	2.39	51.05	49.28	....	2.75	65833	259	15.621	18.1102
80-DL	25.4	15.88	15.88	7.92	3.18	36.58	33.53	....	2.38	57827	198	20.828	24.13
2040-DL	25.4	7.94	7.92	3.96	1.52	19.30	17.27	....	0.45	14679	183	....	12.065
2050-DL	31.75	9.53	10.16	5.08	2.03	23.37	21.34	....	0.70	23131	183	....	15.0876
2060-DL	38.1	12.70	11.91	5.94	2.39	28.19	26.67	....	1.04	32917	183	....	18.0848

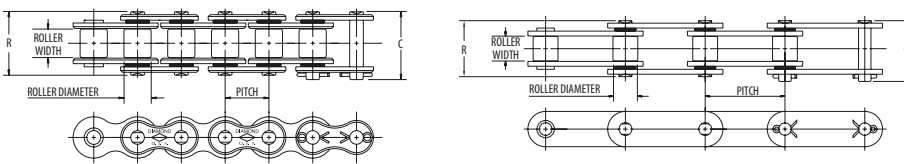
* Maximum values are shown.

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

SPECIALTY LUBRICATED CHAIN

RING LEADER® O-RING DRIVE CHAIN

Diamond 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 keep contaminants out.

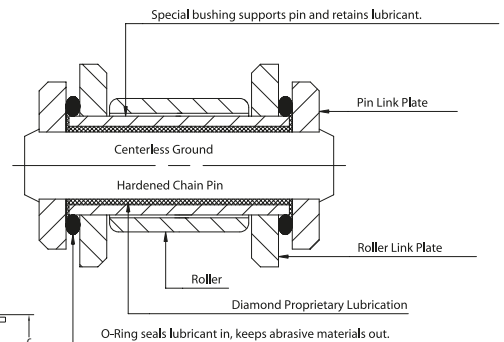


Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	Kg Per M	Average Tensile Strength N	E*	H*
50 XLO	15.875	9.53	10.16	5.08	2.03	24.13	22.61	1.07	28913	13.0048	15.0876
50H XLO	15.875	9.53	10.16	5.44	2.39	25.91	24.38	1.38	41368	13.0048	15.0876
60 XLO	19.05	12.70	11.91	5.94	2.39	30.73	28.70	1.50	34251	15.621	18.1102
80 XLO	25.4	15.88	15.88	7.92	3.18	38.35	35.81	2.63	60051	20.828	24.13
100 XLO	31.75	19.05	19.05	9.53	3.96	46.48	44.20	3.79	97861	26.035	30.1752
120 XLO	38.1	25.40	22.23	11.10	4.75	56.90	53.85	5.60	133446	31.242	36.195
140 XLO	44.45	25.40	25.40	12.70	5.56	63.25	59.69	7.59	186825	36.449	42.2402
160 XLO	50.8	31.75	28.58	14.27	6.35	75.18	71.63	9.91	231307	41.656	48.26
C2050 XLO	31.75	9.53	10.16	5.08	2.03	24.13	22.61	0.88	28913	....	15.0876
C2060H XLO	38.1	12.70	11.91	5.94	3.18	32.26	30.73	1.74	34251	....	18.0848

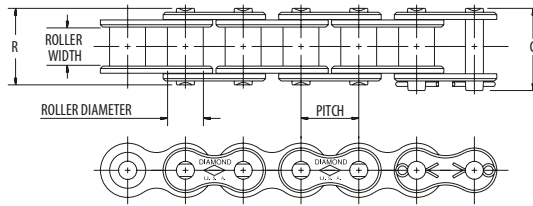
* Maximum values are shown.

Note: 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.



DUST STOPPER™ DRIVE CHAIN

Diamond DUST STOPPER series chains are specifically intended for applications that require the functionality of both the DURALUB®E and RING LEADER® O-Ring drive chain.



Dimensions in mm

ASME/ANSI Number	Pitch mm	Roller Width mm	Roller Diameter mm	Pin Diameter mm	Link Plate Thickness mm	C mm	R mm	Kg Per M	Average Tensile Strength N	Max Axle Speed Km/Min	E*	H*
40 XDLO	12.7	7.94	7.92	3.96	1.52	19.81	18.54	0.64	14679	396	10.414	12.065
50 XDLO	15.875	9.53	10.16	5.08	2.03	24.13	14.99	1.01	23131	305	13.0048	15.0876
60 XDLO	19.05	12.70	11.91	5.94	2.39	30.73	28.70	1.41	32917	259	15.621	18.1102
80 XDLO	25.4	15.88	15.88	7.92	3.18	38.35	35.81	2.37	57827	198	20.828	24.13

* Maximum values are shown.

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.

In addition to the items featured in this catalog, the Diamond Chain Company also offers products for specific applications including:

AGRICULTURAL ROLLER CHAIN

Diamond Chain produces a full assortment of agricultural attachments for use with Diamond ASME/ANSI series roller chain.

ATTACHMENT ROLLER CHAIN

Diamond Chain single and double pitch roller chains can be assembled with attachment link plates or extended pins.

CORROSION / MOISTURE RESISTANT ROLLER CHAIN

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.

DOUBLE PITCH ROLLER CHAIN

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.

OIL AND GAS ROLLER CHAIN

Diamond Chain offers a full assortment of API (American Petroleum Institute) certified multi strand roller chain that meets the requirements of Specification 7F. Diamond Chain also produces a narrow width 38.1 mm pitch and 63.5 mm pitch chain for use on older rig setups.

PIN OVEN ROLLER CHAIN

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.

SPECIALTY / MADE-TO-ORDER ATTACHMENTS

Diamond Chain produces a variety of specialty application attachments in addition to producing made-to-order attachments for any application.

For additional information on the Diamond Chain Company, its products and its services, please visit us at www.diamondchain.co.uk or call +44-191-414-8822.

CHAIN LENGTH IN PITCHES TO METERS CONVERSION TABLE

Chain Pitch – mm													
No. of Pitches mm	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													
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	4.78	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	4.93	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 METERS CONVERSION TABLE

Chain Pitch – mm													
No. of Pitches mm	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													
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

NOTES

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