

POWERSPORTS CHAIN

CHAIN DESCRIPTIONS AND DIMENSIONS



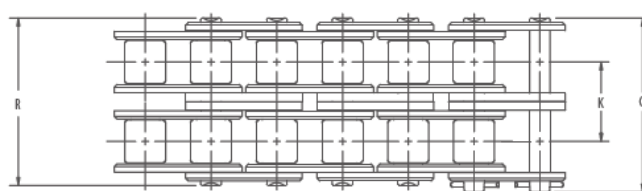
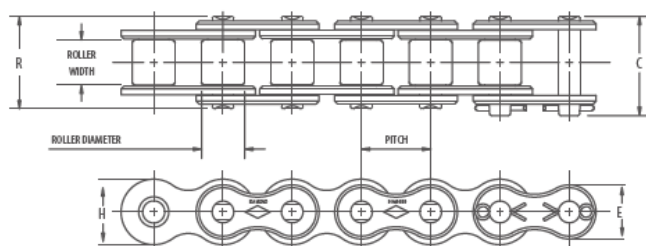
Diamond's powersports chains are designed to meet the individual needs of the powersports enthusiast for ATVs, go-karts, motorcycles and snowmobiles. Multi-service chain, Duralube(r) LIVE chain and Ring Leader™ XLO O-Ring chain each offer specific functional advantages for your street, farm, track, or trail applications.

Multi-service chains - though referred to as a standard chain - are anything but. Multi-service chains offer Diamond's superior manufacturing parts processing technology which includes material selection, precise component fabrication, exacting heat treatment, and assembly techniques.

Duralube® LIVE chains eliminate "hit or miss" lubrication. This chain is constructed with a lubricant-infused bushing. This lubricant is released and provides supplemental lubrication to the pin/bushing joint between regularly scheduled maintenance.

Ring Leader™ XLO O-Ring chains are top of the line chains offering allowable working loads that provide extra load carrying capability and up to four times the service life of regular chain. O-ring lubrication system seals in lubricant and seals out foreign contaminants.

Powersports chains are also available with a bronze or nickel plating.



Diamond Number	Plating	Pitch	Roller Width	Roller Diameter	Pin Diameter	Link Plate Thickness	C	R	K	Avg. Weight	Avg. Tensile Strength
	Finish	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	lbs/ft kg/m	lbf kN
MULTI-SERVICE											
35MS	-	0.375 9.53	0.188 4.76	*.200 5.08	0.141 3.58	0.050 1.27	0.560 14.22	0.500 12.70	- -	0.210 0.31	2,000 8.90
35MS BR	Brass	0.375 9.53	0.188 4.76	*.200 5.08	0.141 3.58	0.050 1.27	0.560 14.22	0.500 12.70	- -	0.210 0.31	2,000 8.90
35-2MS	-	0.375 9.53	0.188 4.76	*.200 5.08	0.141 3.58	0.050 1.27	0.960 24.38	0.900 22.86	0.399 10.13	0.450 0.67	4,200 18.68
35-3**	-	0.375 9.53	0.188 4.76	*.200 5.08	0.141 3.58	0.050 1.27	1.360 34.54	1.310 33.27	0.399 10.13	0.770 1.15	6,300 28.02
41MS	-	0.500 12.70	0.250 6.35	0.306 7.77	0.141 3.58	0.050 1.27	0.650 16.51	0.570 14.48	- -	0.260 0.39	2,400 10.68
40MS	-	0.500 12.70	0.313 7.94	0.312 7.92	0.156 3.96	0.060 1.52	0.720 18.29	0.670 17.02	- -	0.410 0.61	4,000 17.79
428MS	-	0.500 12.70	0.313 7.94	0.335 8.51	0.174 4.42	0.060 1.52	0.720 18.29	0.670 17.02	- -	0.430 0.64	4,200 18.68
428-2	-	0.500 12.70	0.313 7.94	0.335 8.51	0.174 4.42	0.060 1.52	1.290 32.77	1.240 31.50	0.566 14.38	0.880 1.31	8,400 37.37
520MS	-	0.625 15.88	0.250 6.35	0.400 10.16	0.200 5.08	0.080 2.03	0.770 19.56	0.710 18.03	- -	0.590 0.88	6,600 29.36

*Chain is rollerless. Dimension shown is brushing diameter.

**Chain uses oval contour sideplates and is supplied riveted endless.

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Continued

Diamond Number	Plating	Pitch	Roller Width	Roller Diameter	Pin Diameter	Link Plate Thickness	C	R	K	Avg. Weight	Avg. Tensile Strength
	Finish	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	lbs/ft kg/m	lbf kN
MULTI-SERVICE (CONTINUED)											
520H	Brass	0.625 15.88	0.250 6.35	0.400 10.16	0.214 5.44	0.094 2.39	0.800 20.32	0.740 18.80	- -	0.820 1.22	9,300 41.37
530MS	-	0.625 15.88	0.375 9.53	0.400 10.16	0.200 5.08	0.080 2.03	0.890 22.61	0.830 21.08	- -	0.680 1.01	6,600 29.36
530ENP	Nickel	0.625 15.88	0.375 9.53	0.400 10.16	0.200 5.08	0.080 2.03	0.890 22.61	0.830 21.08	- -	0.690 1.03	6,600 29.36
530BP	Brass	0.625 15.88	0.375 9.53	0.400 10.16	0.200 5.08	0.080 2.03	0.890 22.61	0.830 21.08	- -	0.680 1.01	6,600 29.36
630MS	-	0.750 19.05	0.375 9.53	0.469 11.91	0.234 5.94	0.094 2.39	0.980 24.89	0.910 23.11	- -	0.910 1.35	8,500 37.81
630BP	Brass	0.750 19.05	0.375 9.53	0.469 11.91	0.234 5.94	0.094 2.39	0.980 24.89	0.910 23.11	- -	0.910 1.35	8,500 37.81
DURALUBE® LIVE											
40DLR	-	0.500 12.70	0.313 7.94	0.312 7.92	0.156 3.96	0.060 1.52	0.720 18.29	0.670 17.02	- -	0.400 0.60	3,300 14.68
530DLR	-	0.625 15.88	0.375 9.53	0.400 10.16	0.200 5.08	0.086 2.18	0.890 22.61	0.830 21.08	- -	0.650 0.97	6,600 29.36
RING LEADER™ XLO O-RING											
520XLO	-	0.625 15.88	0.250 6.35	0.400 10.16	0.214 5.44	0.094 2.39	0.890 22.61	0.830 21.08	- -	0.850 1.26	9,300 41.37
520XLO NI	Nickel	0.625 15.88	0.250 6.35	0.400 10.16	0.214 5.44	0.094 2.39	0.890 22.61	0.830 21.08	- -	0.860 1.28	9,300 41.37
520XLO BP	Brass	0.625 15.88	0.250 6.35	0.400 10.16	0.214 5.44	0.094 2.39	0.890 22.61	0.830 21.08	- -	0.860 1.28	9,300 41.37
530XLO	-	0.625 15.88	0.375 9.53	0.400 10.16	0.214 5.44	0.094 2.39	1.020 25.91	0.960 24.38	- -	0.930 1.38	9,300 41.37
530XLO BP	Brass	0.625 15.88	0.375 9.53	0.400 10.16	0.214 5.44	0.094 2.39	1.020 25.91	0.960 24.38	- -	0.930 1.38	9,300 41.37

*Chain is rollerless. Dimension shown is brushing diameter.

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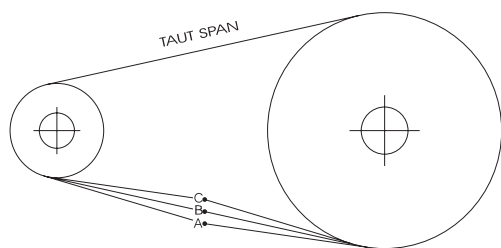
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Maintenance and Lubrication - Diamond exercises rigid controls and surveillance throughout production to ensure uniformity of all component parts. Of course, no matter how superior a roller chain, its full potential will not be realized if it's not properly installed and maintained.

Tensioning - If the chain is too tight or too loose, service life will suffer. A chain that is too tight creates unnecessary wear. A chain that is too slack can easily top the sprocket teeth and quickly cause a failure. Consult powersports equipment manufacturer's manual for proper tensioning and mid-span movement.



Cleaning and Re-lubrication - Perhaps the largest contributor to shortened chain life is inadequate lubrication. All working parts of a chain should be lubricated uniformly. The use of the highest viscosity oil that allows for flow between the link plates and coats pin-brushing areas will normally provide the greatest wear resistance. Clean and lubricate chain periodically as riding situations warrant.



Diamond® chains are part of The Timken Company's advanced motion technologies portfolio.

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