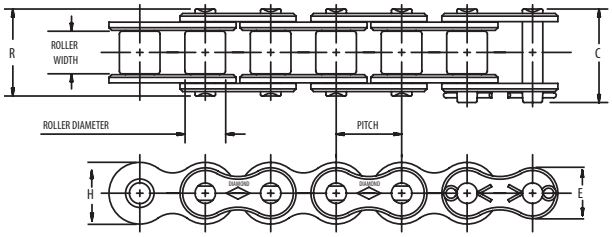
REDUCED MAINTENANCE SERIES CHAIN

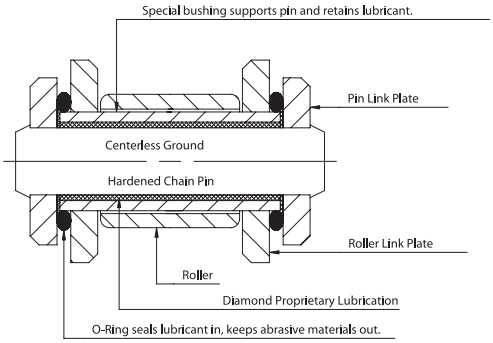
CHAIN DESCRIPTIONS AND DIMENSIONS

Diamond reduced maintenance chains are intended for applications where regular lubrication is not possible or practical.

RING LEADER™ XLO O-RING CHAIN

Diamond® Ring Leader™ XLO O-Ring 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's proprietary lubricant in and keeps contaminants out.





Diamond Number	Pitch	Roller Width	Roller Diameter	Pin Diameter	Link Plate Thickness	C	R	E**	H**	Avg. Weight	Avg. Tensile Strength
	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	lbs/ft kg/m	lbf kN
50XLO	**0.625** 15.88	**0.375** 9.53	**0.400** 10.160	**0.200** 5.080	**0.080** 2.03	**0.950** 24.13	**0.890** 22.606	**0.512** 13.00	**0.594** 15.09	**0.720** 1.07	**6,500** 28.91
50HXLO	**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	**0.512** 13.00	**0.594** 15.09	**0.930** 1.38	**9,300** 41.37
60XLO	**0.750** 19.05	**0.500** 12.70	**0.469** 11.913	**0.234** 5.944	**0.094** 2.39	**1.210** 30.73	**1.130** 28.702	**0.615** 15.62	**0.713** 18.11	**1.010** 1.50	**7,700** 34.25
80XLO	**1.000** 25.40	**0.625** 15.88	**0.625** 15.88	**0.312** 7.92	**0.125** 3.18	**1.510** 38.35	**1.410** 35.81	**0.615** 15.62	**0.713** 18.11	**1.770** 2.63	**13,500** 60.05
100XLO	**1.250** 31.75	**0.750** 19.05	**0.750** 19.050	**0.375** 9.525	**0.156** 3.96	**1.830** 46.48	**1.740** 44.196	**1.025** 26.04	**1.188** 30.18	**2.550** 3.79	**22,000** 97.86
120XLO	**1.500** 38.10	**1.000** 25.40	**0.875** 22.23	**0.437** 11.10	**0.187** 4.75	**2.240** 56.90	**2.120** 53.85	**1.23** 31.24	**1.425** 36.20	**3.760** 5.60	**30,000** 133.45
140XLO	**1.750** 44.45	**1.000** 25.40	**1.000** 25.400	**0.500** 12.700	**0.219** 5.56	**2.490** 63.25	**2.350** 59.690	**1.435** 36.45	**1.663** 42.24	**5.100** 7.59	**42,000** 186.83
160XLO	**2.000** 50.80	**1.250** 31.75	**1.125** 28.58	**0.562** 14.27	**0.250** 6.35	**2.960** 75.18	**2.820** 71.63	**1.640** 41.66	**1.900** 48.26	**6.660** 9.91	**52,000** 231.31
C2050XLO	**1.250** 31.75	**0.375** 9.53	**0.400** 10.160	**0.200** 5.080	**0.080** 2.03	**0.950** 24.13	**0.890** 22.606	**0.594** 15.09	**0.594** 15.09	**0.590** 0.88	**6,500** 28.91
C2060HXLO	**1.500** 38.10	**0.500** 12.70	**0.469** 11.91	**0.234** 5.94	**0.125** 3.18	**1.270** 32.26	**1.210** 30.73	**0.712** 18.08	**0.712** 18.08	**1.170** 1.74	**7,700** 34.25

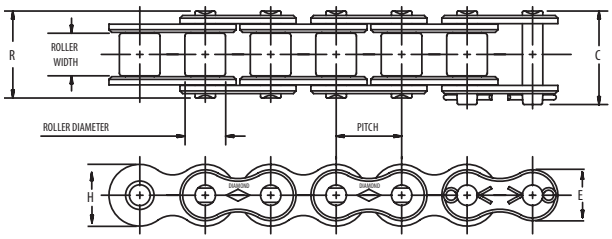
**Maximum values are shown.
Note: Ring Leader™ XLO O-Ring Chain can routinely operate in ambient temperatures up to 150ºF.
For higher temperature requirements, special o-rings can be substituted, allowing operation in temperatures of 400ºF or greater.

REDUCED MAINTENANCE SERIES CHAIN

CHAIN DESCRIPTIONS AND DIMENSIONS

DURALUBE® LIVE CHAIN

Diamond® Duralube® LIVE is the next generation solution in self-lubricating reduced maintenance roller chains. Lubricant is impregnated into the bushing and released during service, providing supplemental lubrication to the pin/bushing joint. Available in two product configurations: standard Duralube LIVE (DLR) or Duralube LIVE Food Grade (DLF). Duralube LIVE Food Grade adds an H1 food grade lubricant for incidental food contact and Diamond ACE® plating for moisture resistance.



Diamond Number	Pitch	Roller Width	Roller Diameter	Pin Diameter	Link Plate Thickness	C	R	E**	H**	Avg. Weight	Avg. Tensile Strength
	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	lbs/ft kg/m	lbf kN
40DLR	**0.500** 12.70	**0.313** 7.94	**0.312** 7.925	**0.156** 3.962	**0.060** 1.52	**0.720** 18.29	**0.670** 17.018	**0.410** 10.41	**0.475** 12.07	**0.400** 0.60	**3,300** 14.68
50DLR	**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	**0.512** 13.00	**0.594** 15.09	**0.650** 0.97	**5,200** 23.13
60DLR	**0.750** 19.05	**0.500** 12.70	**0.469** 11.91	**0.234** 5.94	**0.094** 2.39	**1.110** 28.19	**1.040** 26.42	**0.615** 15.62	**0.713** 18.11	**0.950** 1.41	**7,400** 32.92
80DLR	**1.000** 25.40	**0.625** 15.88	**0.625** 15.88	**0.312** 7.92	**0.125** 3.18	**1.440** 36.58	**1.320** 33.53	**0.82** 20.83	**0.950** 24.13	**1.600** 2.38	**13,000** 57.83

**Maximum values are shown.

Due to the nature of the Duralube® LIVE construction, the following speed and temperature limitations should be considered:

Size	Max Speed
Single Pitch	
#40	1300 ft/min (396 meters/min)
#50	1000 ft/min (304 meters/min)
#60	850 ft/min (259 meters/min)
#80	650 ft/min (198 meters/min)

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

www.diamonddrives.com

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