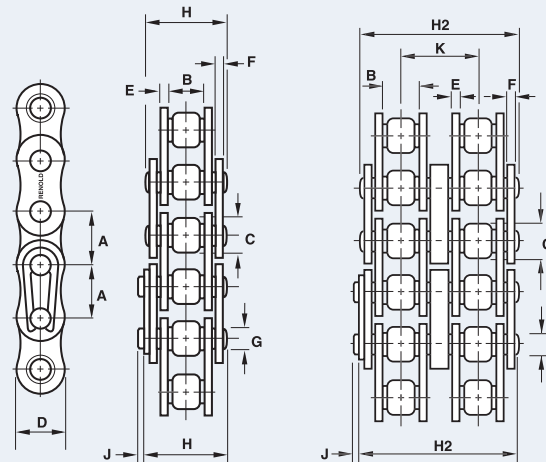


Syno® Small Pitch chains offer uncompromised performance with no additional lubrication. Use small-pitch Syno® when cleanliness is critical. Both the lubricant within the sintered bushing and the coating on the roller are food-industry approved. Improved, electroless nickel-plating on the plates won't chip or peel, for ultimate performance in the food sector and beyond. Small-pitch Syno® is dry to the touch, resists corrosion, and can be run on standard sprockets.



## Syno® Single-Strand Roller Chain — Small Pitch

Dimensions are in inches unless otherwise indicated.

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
40SYNO	119443	0.500	0.309	0.312	0.461	0.071	0.059	0.157	0.665	0.075	—	3,125	810	0.45
50SYNO	119453	0.625	0.370	0.400	0.575	0.095	0.079	0.200	0.831	0.098	—	4,880	1,400	0.75
60SYNO	119463	0.750	0.495	0.469	0.689	0.127	0.094	0.235	1.063	0.098	—	7,030	1,950	1.16
80SYNO	119483	1.000	0.620	0.625	0.906	0.160	0.118	0.313	1.327	0.118	—	12,500	3,300	1.95
100SYNO	119503	1.250	0.744	0.750	0.996	0.173	0.157	0.376	1.598	0.138	—	19,530	5,060	2.42

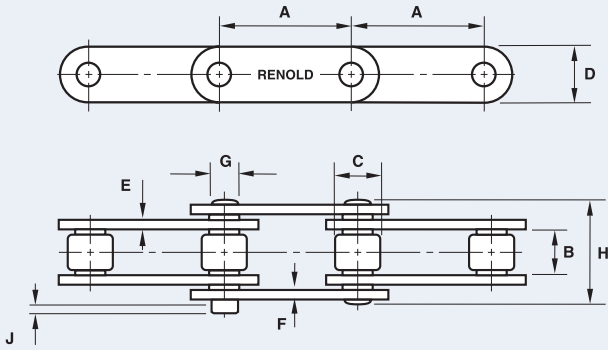
## Syno® Double-Strand Roller Chain — Small Pitch

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H2	J	K	Lbs	Lbs	Lbs/Ft
40-2SYNO	115443	0.500	0.309	0.312	0.461	0.071	0.059	0.157	1.232	0.075	0.566	6,250	1,370	0.87
50-2SYNO	115453	0.625	0.370	0.400	0.575	0.095	0.079	0.200	1.543	0.098	0.713	9,760	2,380	1.44
60-2SYNO	115463	0.750	0.495	0.469	0.689	0.127	0.094	0.235	1.961	0.098	0.897	14,060	3,315	2.20
80-2SYNO	115483	1.000	0.620	0.625	0.906	0.160	0.118	0.313	2.480	0.118	1.153	25,000	5,610	3.76
100-2SYNO	115503	1.250	0.744	0.750	0.996	0.173	0.157	0.376	3.008	0.138	1.408	39,060	8,600	4.70

NOTE: Renold Syno® does not conform exactly to British Standard/ANSI standards. A larger bushing and thus a smaller pin diameter are needed to meet the high performance requirements. However, all gearing dimensions of Renold Syno® do comply with British Standard/ANSI standards. Consult Renold Jeffrey for specific requirements.

Triple-strand Syno® is available on request. Double-strand Syno® fits standard double-strand sprockets.

# Syno® Chain



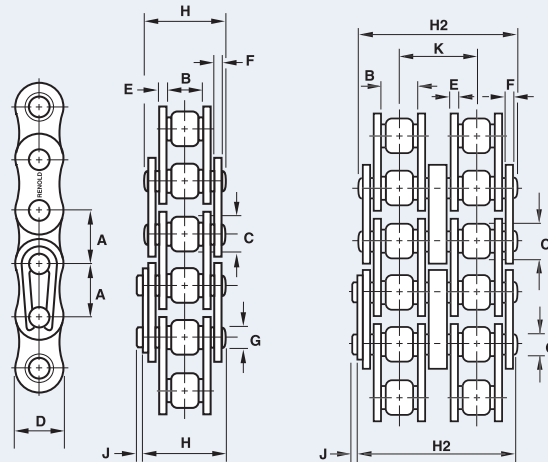
Syno® Double Pitch chains are ideally suited for light- to medium-duty applications when cleanliness is critical. Syno® offers uncompromised performance with no additional lubrication. Both the lubricant within the sintered bushing and the coating on the roller are food-industry approved. Improved, electroless nickel-plating on the plates won't chip or peel, for ultimate performance in the food sector and beyond. Small-pitch Syno® is dry to the touch, resists corrosion, and can be run on standard sprockets.

## Syno® Double Pitch Conveyor Series Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
C2040SYNO	113440	1.000	0.309	0.312	0.465	0.061	0.061	0.157	0.646	0.079	—	3,125	810	0.33
C2050SYNO	113450	1.250	0.370	0.400	0.591	0.080	0.080	0.200	0.803	0.094	—	4,880	1,400	0.56
C2060SYNO	113460	1.500	0.495	0.469	0.701	0.127	0.127	0.235	1.126	0.098	—	7,030	1,950	1.01
C2080SYNO	113480	2.000	0.620	0.625	0.949	0.159	0.159	0.313	1.409	0.122	—	12,500	3,300	1.61

Syno® Small Pitch British Standard chain offers uncompromised performance with no additional lubrication. Use small-pitch Syno® when cleanliness is critical. Both the lubricant within the sintered bushing and the coating on the roller are food-industry approved. Improved, electroless nickel-plating on the plates won't chip or peel, for ultimate performance in the food sector and beyond. Small-pitch Syno® British Standard chain is dry to the touch, resists corrosion, and can be run on standard sprockets.



Syno® British Standard Single-Strand Roller Chain — Small Pitch

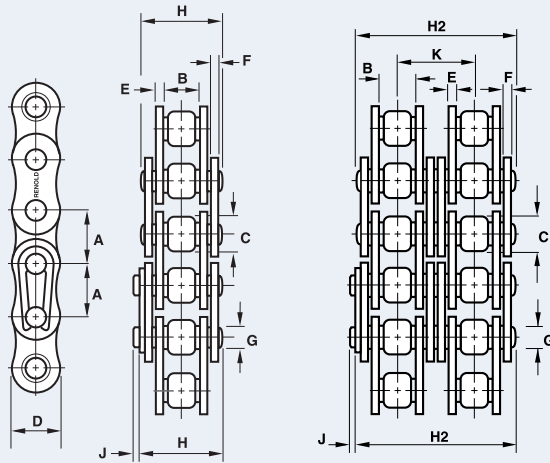
Dimensions are in inches unless otherwise indicated.

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
06BSYNO	110438	0.375	0.225	0.250	0.323	0.049	0.039	0.129	0.492	0.043	—	2,001	395	0.27
08BSYNO	110446	0.500	0.305	0.335	0.461	0.069	0.059	0.175	0.669	0.055	—	4,002	700	0.49
10BSYNO	110456	0.625	0.380	0.400	0.575	0.079	0.059	0.200	0.772	0.055	—	4,991	1,100	0.68
12BSYNO	110466	0.750	0.460	0.475	0.630	0.093	0.069	0.225	0.929	0.055	—	6,497	1,575	0.87
16BSYNO	110488	1.000	0.670	0.625	0.795	0.146	0.118	0.326	1.378	0.063	—	13,489	2,810	1.83
20BSYNO	110506	1.250	0.770	0.750	0.996	0.173	0.138	0.401	1.630	0.083	—	21,357	4,370	2.52
24BSYNO	110527	1.500	1.000	1.000	1.315	0.236	0.197	0.576	2.071	0.197	—	35,970	6,130	4.94

Syno® British Standard Double-Strand Roller Chain — Small Pitch

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H2	J	K	Lbs	Lbs	Lbs/Ft
06B-2SYNO	114438	0.375	0.225	0.250	0.323	0.049	0.039	0.129	0.906	0.043	0.403	3,800	670	0.51
08B-2SYNO	114446	0.500	0.305	0.335	0.461	0.069	0.059	0.175	1.217	0.055	0.548	6,992	1,185	0.94
10B-2SYNO	114456	0.625	0.380	0.400	0.575	0.079	0.059	0.200	1.425	0.055	0.653	10,004	1,870	1.29
12B-2SYNO	114466	0.750	0.460	0.475	0.630	0.093	0.069	0.225	1.697	0.055	0.766	12,994	2,680	1.66
16B-2SYNO	114488	1.000	0.670	0.625	0.795	0.146	0.118	0.326	2.634	0.063	1.255	23,830	4,780	3.41
20B-2SYNO	114506	1.250	0.770	0.750	0.996	0.173	0.138	0.401	3.067	0.083	1.435	38,218	7,430	4.74
24B-2SYNO	114527	1.500	1.000	1.000	1.315	0.236	0.197	0.576	3.976	0.197	1.904	62,946	10,270	9.78

# Syno® Chain



Syno® Large Pitch chain for heavy-duty applications was developed specifically for Renold Jeffrey. A highly durable polymer sleeve between the pin and bushing combats wear and fatigue. Combined with a heavy-duty polymer roller, Renold Syno® is ideal for high-load, washdown, and outdoor environments.

## Syno® Single-Strand Roller Chain — Large Pitch

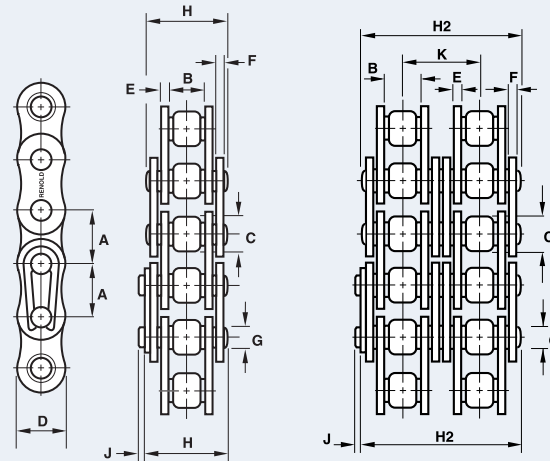
Dimensions are in inches unless otherwise indicated.

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
120SYNO	529127	1.500	0.993	0.875	1.408	0.189	0.189	0.437	1.941	0.209	—	28,125	6,800	3.36
140SYNO	529143	1.750	0.993	1.000	1.641	0.221	0.221	0.500	2.083	0.205	—	38,280	9,000	4.64
160SYNO	529163	2.000	1.242	1.125	1.874	0.250	0.250	0.563	2.484	0.256	—	50,000	11,900	6.18
200SYNO	529203	2.500	1.490	1.562	2.340	0.320	0.320	0.781	3.028	0.354	—	78,125	16,000	10.08

## Syno® Double-Strand Roller Chain — Large Pitch

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H2	J	K	Lbs	Lbs	Lbs/Ft
120-2SYNO	525127	1.500	0.993	0.875	1.408	0.189	0.189	0.437	3.728	0.209	1.789	56,250	11,560	6.45
140-2SYNO	525143	1.750	0.993	1.000	1.641	0.221	0.221	0.500	4.008	0.205	1.924	76,560	15,300	9.21
160-2SYNO	525163	2.000	1.242	1.125	1.874	0.250	0.250	0.563	4.787	0.256	2.305	100,000	20,230	12.23
200-2SYNO	525203	2.500	1.490	1.562	2.340	0.320	0.320	0.781	5.846	0.354	2.817	156,250	27,200	20.02

Syno® Large Pitch chain for heavy-duty applications was developed specifically for Renold Jeffrey. A highly durable polymer sleeve between the pin and bushing combats wear and fatigue. Combined with a heavy-duty polymer roller, Renold Syno® is ideal for high-load, washdown, and outdoor environments.



Syno® British Standard Single-Strand Roller Chain — Large Pitch

Dimensions are in inches unless otherwise indicated.

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H1	J	K	Lbs	Lbs	Lbs/Ft
28BSYNO	520147	1.750	1.220	1.100	1.460	0.300	0.250	0.626	2.528	0.268	—	44,962	7,650	5.44
32BSYNO	520166	2.000	1.220	1.150	1.665	0.280	0.250	0.702	2.496	0.315	—	56,202	9,367	6.05
40BSYNO	520206	2.500	1.547	1.550	2.085	0.320	0.320	0.902	3.079	0.374	—	79,807	13,300	9.61

Syno® British Standard Double-Strand Roller Chain — Large Pitch

Chain No.	Renold No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Max	Rated Working Load	Weight
		A	B	C	D	E	F	G	H2	J	K	Lbs	Lbs	Lbs/Ft
28B-2SYNO	524147	1.750	1.220	1.100	1.460	0.300	0.250	0.626	4.870	0.268	2.345	80,931	13,488	10.75
32B-2SYNO	524166	2.000	1.220	1.150	1.665	0.280	0.250	0.702	4.803	0.315	2.305	101,164	16,860	12.03
40B-2SYNO	524206	2.500	1.547	1.550	2.085	0.320	0.320	0.902	5.925	0.374	2.846	141,630	26,000	19.08