

Increase wear life and reduce installation time with revolutionary roller chains



Applied Industrial Technologies brings you two new revolutionary roller chains from **Renold Jeffrey**: **Synergy** and **Syno**. *Synergy* provides unmatched wear resistance and performance capabilities. *Syno* is a lube free roller chain for applications that prevent standard lubrication practices.



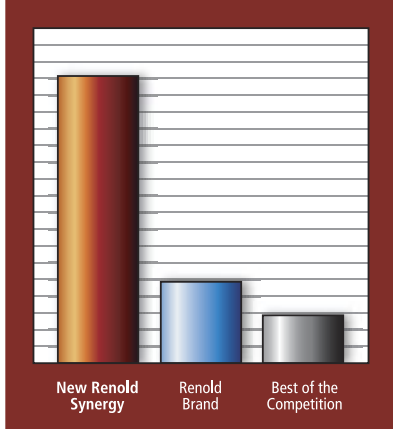
▶ Industries and Applications:

- Aggregate**
- Agriculture**
- Corrosive Environments**
- Food**
 - Conveyors
 - Processing lines
 - Packaging
- General Manufacturing**
- Outdoor Environments**
- Packaging**
- Pharmaceutical**
- Printing Machines**
- Pulp and Paper**
- Sawmills**
- Steel Processing**
- Wastewater Treatment**

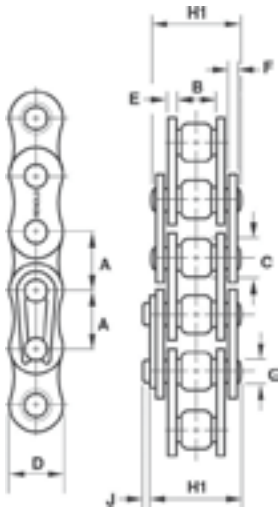


RENOLD Synergy

Renold Synergy represents the biggest single innovation in power transmission technology; wear resistance and performance capabilities are unmatched. Order the Renold Synergy chain from Applied and reduce your maintenance repair costs.



Combination of all features ensures that Renold Synergy outlasts other chain brands by a factor of 6.



► Features and Benefits:

- 3 to 6 times longer wear life reduces downtime and improves production efficiencies
- End-softened pins for easy disassembly reduce installation time
- Platinum connecting link for easy identification improves changeover time
- Precision blanked profile of side plates optimizes stress distribution
- Triple hit holing for precise pitch control maximizes resistance to crack propagation
- Special coated plates for improved corrosion resistance
- Three-stage treatment of pin surface provides lubrication retention and extended wear life
- Optimized pin hardening minimizes wear and prevents brittleness
- Unique bushing bore profile to ensure full contact between pin and bushing bore surfaces.

Single*

Renold No.	ANSI No.	Pitch (in)	Pitch (mm)	Inside Width	Roller Dia.	Plate Height	Inner Plate Thickness	Outer Plate Thickness	Pin Dia.	Pin Length	Conn Link Extension	Transverse Pitch	Tensile Strength (lbs)	Mass (lbs/ft)
		A	A	B	C	D	E	F	G	H	I			
129037	35-1	0.375	9.525	0.184	0.200	0.356	0.049	0.049	0.141	0.472	0.043	-	1776	0.235
119047	40-1	0.5	12.7	0.309	0.312	0.475	0.061	0.061	0.157	0.646	0.055	-	3125	0.402
119057	50-1	0.625	15.875	0.370	0.400	0.594	0.080	0.080	0.200	0.803	0.043	-	4901	0.671
119067	60-1	0.75	19.05	0.495	0.469	0.713	0.094	0.094	0.235	0.996	0.043	-	7036	0.986
119087	80-1	1.0	25.4	0.620	0.625	0.950	0.128	0.128	0.313	1.287	0.118	-	12499	1.877
119107	100-1	1.25	31.75	0.744	0.750	1.188	0.160	0.160	0.376	1.563	0.165	-	19558	2.816
119127	120-1	1.50	38.1	0.993	0.875	1.425	0.189	0.189	0.437	1.941	0.209	-	28100	3.822
119147	140-1	1.75	44.45	0.993	1.000	1.663	0.221	0.221	0.500	2.083	0.205	-	38216	5.230
119167	160-1	2.0	50.8	1.242	1.125	1.900	0.250	0.250	0.563	2.484	0.256	-	50130	6.973

*Also available in Double, Triple and British Standard



The **Renold Syno** lube free roller chain sets a new benchmark for chain performance with little or no lubrication. **Renold Syno** roller chain includes both small and large pitch sizes that give Renold Jeffrey the distinction of the most comprehensive range of maintenance free chains in the world.

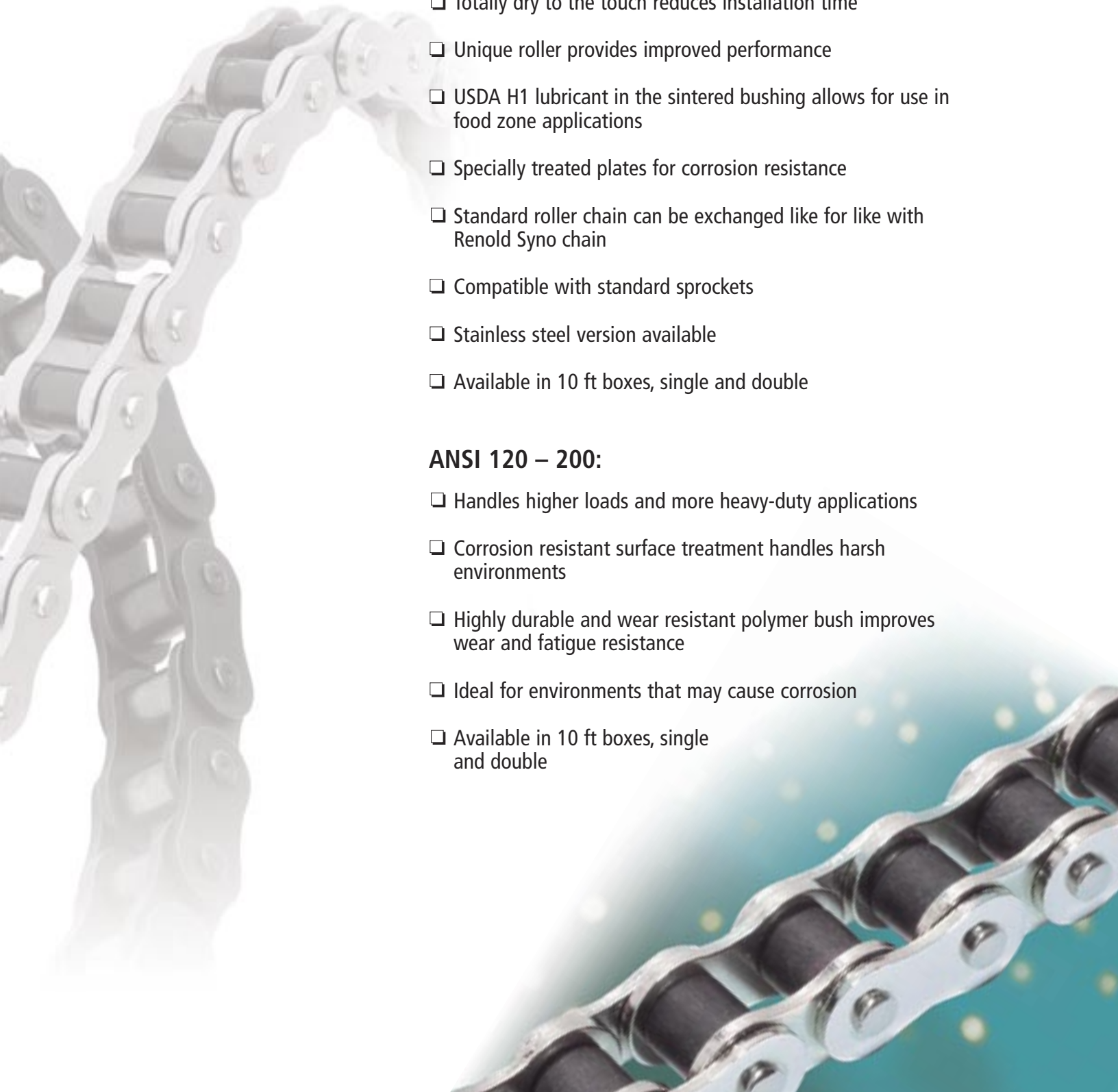
► Features and Benefits:

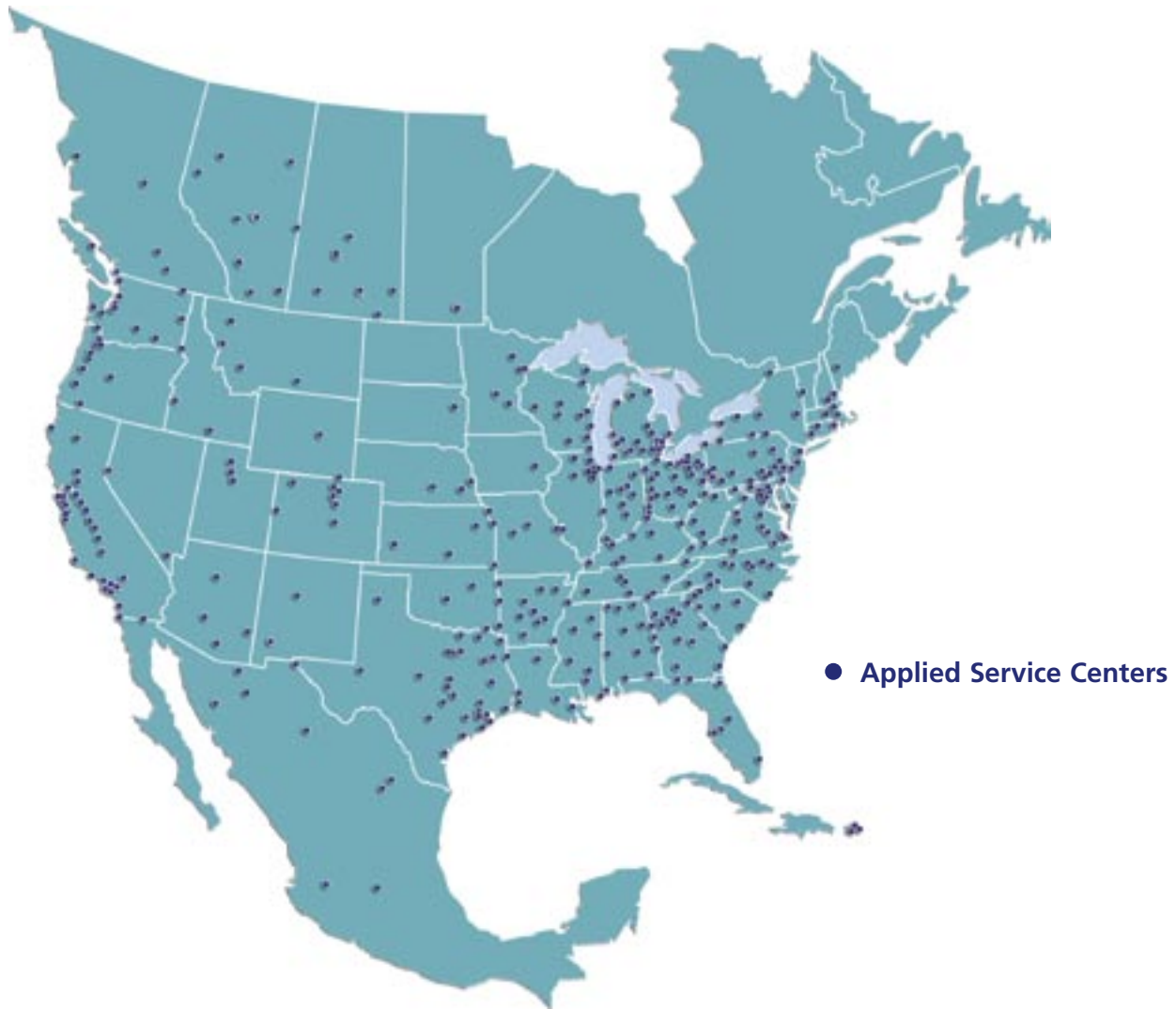
ANSI 40 – 100:

- Totally dry to the touch reduces installation time
- Unique roller provides improved performance
- USDA H1 lubricant in the sintered bushing allows for use in food zone applications
- Specially treated plates for corrosion resistance
- Standard roller chain can be exchanged like for like with Renold Syno chain
- Compatible with standard sprockets
- Stainless steel version available
- Available in 10 ft boxes, single and double

ANSI 120 – 200:

- Handles higher loads and more heavy-duty applications
- Corrosion resistant surface treatment handles harsh environments
- Highly durable and wear resistant polymer bush improves wear and fatigue resistance
- Ideal for environments that may cause corrosion
- Available in 10 ft boxes, single and double





● Applied Service Centers

Applied is one of North America's leading independent distributors of bearings, power transmission, fluid power, rubber and general maintenance products to the MRO (maintenance and repair operations) and OEM (original equipment manufacturer) markets. In addition, Applied provides engineering, design and systems integration for industrial and fluid power applications, as well as customized mechanical, fabricated rubber and fluid power shop services. Applied's network of more than 400 service centers and eight strategically located distribution centers ensures that the part you need is close by. With locations in the United States, Puerto Rico, Mexico and Canada, we're there for you when you need us. Learn more about Applied Industrial Technologies on the Internet at www.Applied.com.

**Contact Your Local
Applied Service Center
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Corporate Headquarters
One Applied Plaza
Cleveland, Ohio 44115-5000

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