

ENGINEERED CLASS & SPECIALTY CHAIN

81X Chain



BENEFITS

A versatile heavy-duty conveyor chain ideal for forestry, agriculture and sawmill environments.

FEATURES

- Available in multiple grades: Standard, Heavy (H), Heavy Heavy (HH); Extended Life CHP® as optional pin upgrade.
- Common in forestry and sawmill applications with high shock loads.

Brand: Drives

Kiln Dryer Chain



BENEFITS

Withstands high temperatures and corrosion in lumber drying kilns.

FEATURES

- Available in multiple grades: Standard, Heavy (H), and 3000 (3KD); Extended Life CHP® as optional pin upgrade.
- Special alloy materials and rust inhibitors withstand extreme kiln temperatures.
- Designed with transverse clearance to help track the chain and avoid damage to the hold down brackets.

Brand: Drives

Feeder Breaker Chain



BENEFITS

Built to endure heavy impact and abrasion in mining and material handling.

FEATURES

- Specially designed using alloy carbon steel and special heat treatment specifications for maximum strength and wear life.
- Extended Cold Head Pin: pins extend beyond the length of the strand with a cross-drilled hole for inserting a t-pin.
- Available in 3x4, 4x4, 3501 and 3504.

Brand: Drives

Pintle Chain



BENEFITS

Durable and easy to maintain, suited for conveyors and agricultural implements.

FEATURES

- Its open-back design allows product to be pushed out of the chain, preventing stiff joints.
- Through-hardened, quad-staked pins promote additional press-fit and allowable working strength while resisting pin pullout due to side loading.

Brand: Drives

Agricultural Chain



BENEFITS

Engineered for agricultural equipment to handle moderate loads and debris.

FEATURES

- Built for agricultural conveyors and machinery using standard or heavy series components.
- Withstands moderate shock, dust and crop debris conditions.
- Offered in C550, C550HD, C555, C557, A557 and C620.

Brand: Drives

Metal Processing Chain



BENEFITS

Designed to resist high heat and scale buildup in metal production.

FEATURES

- Offered in C Series (C60 to C160) and Metal Pin Transfer.
- Metal-processing chains engineered to endure heavy loads, high temperatures, and long conveying distances.
- Oval-contoured links enhance fatigue strength and ensure even material distribution during operation.

Brand: Drives

ENGINEERED CLASS & SPECIALTY CHAIN (cont.)

Oven Chain



BENEFITS

High-temperature performance chain ideal for baking, drying and heat-treatment ovens.

FEATURES

- Constructed with 300SS sidebars and 17-4PH pins, bushings and rollers.

Brand: Drives

REDUCED MAINTENANCE CHAIN

Duralube® LIVE Chain



BENEFITS

Reduced-maintenance product in which lubricant is infused into the bushing and released during service.

FEATURES

- ANSI sizes 40 to 80-2 available
- Bushings are impregnated with lubricant that is gradually released during use.
- Food Grade option adds H1 lubricant and Diamond ACE® coating for incidental food contact and moisture resistance.

Brand: Diamond

Drives Element® Chain



BENEFITS

Patented integrated lubrication and corrosion resistant capabilities reduce wear and elongation—ideal for limited access, reduced maintenance applications.

FEATURES

- Available in ANSI sizes 40 to 80-2
- Extended Life CHP® provide an extremely hard, durable surface to decrease the wear between the pin and bushing, delivering 3x wear life over conventional chains.
- Silver Shield CR® coating provides corrosion protection to all exposed components before assembly.

Brand: Drives

Ring Leader™ XLO O-Ring Chain



BENEFITS

O-ring seals retain lubricant and block contaminants in dusty or abrasive environments.

FEATURES

- ANSI sizes 50 to 160
- O-rings seal in lubrication and block contaminants; optional high-temp o-rings rated to 450°F.
- Ideal for dusty, abrasive or food-laden environments.

Brand: Diamond

Enhanced Hardening Treatment (EHT) Chain



BENEFITS

Enhanced pins maintain hardness in extreme heat, increasing chain life in high-temperature, abrasive applications.

FEATURES

- Sizes 40EH to 200EH
- Pins undergo Enhanced Hardening Treatment for consistent hardness up to 450°F.
- Designed for abrasive, high speed or elevated temperatures where conventional coatings fail.

Brand: Diamond

Extended Life CHP® Chain



BENEFITS

Chrome-hardened pins (CHP) deliver up to 3x wear life and performance in demanding applications.

FEATURES

- Available in ANSI single- and double-strand sizes 40 to 240. Popular addition to 81X series chain for extended wear life.
- Extended Life CHP® provide an extremely hard, durable surface to decrease the wear between the pin and bushing.
- Pins provide outstanding wear and shock-load performance in many environments.

Brand: Drives

DIAMOND-DRIVES CHAIN TOOLS

EZ BREAKER®, EZ CHAIN RACK®, & EZ CHAIN WEAR GAUGE®



BENEFITS

Essential for proper installation, maintenance, and repair—ensuring long chain life and safe operation.

FEATURES

- EZ BREAKER® cuts ANSI chains 35–160 quickly with interchangeable dies and cam action.
- EZ CHAIN RACK® stores and dispenses multiple chain reels; clutch mechanism prevents uncoiling.
- EZ CHAIN WEAR GAUGE® measures elongation across 9 ANSI sizes; “go/no-go” tool steel gauge.

PRODUCT SERVICES

Cut-To-Length (CTL) Chain

Convenient application-ready chain lengths reduce waste and streamline installation. 1-100ft strands measured by pitch, customized to even and odd lengths.

Plant Surveys

Our on-site engineers evaluate your applications and recommend changes, maintenance methods, and products to boost productivity, cut downtime, and lower costs — with a report projecting estimated savings.

Made to Order

When standard offerings are unable to meet performance needs, we design and manufacture custom, made-to-order chains built to your exact specifications.

Product Training

Master the essentials of chain performance by learning maintenance, measurement, installation and failure prevention. Guided by a Diamond and Drives expert.

Diamond Dash

The Diamond Dash program utilizes dedicated people, inventory and production facilities to ship standard attachment chain in as few as three to five business days of order confirmation. This expedited program is specific for Diamond® Chain.

Lab Testing & Failure Analysis

Send in your damaged chain to our lab for diagnosis and receive root-cause analysis plus tailored solutions to prevent future problems.

DIGITAL TOOLS

Visit Chain Engineer™ to easily access our product interchanges, chain selection, and chain wear monitoring tools, as well as the Chain Configurator for building custom chains in a full 3D environment.



www.chain-engineer.com



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CHAIN SOLUTIONS
PRODUCTS & SERVICES



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Powered by Expertise. Driving Productivity. Delivering the Difference.

No other chain is powered by more expertise than Diamond-Drives chains. Our expertise is a proprietary blend of history, engineering, R&D, testing, and innovation which is why our products are engineered to outperform and drive more productivity, more uptime, and more durability where it matters most. You can easily access our expertise through industry-leading in-field technical support and intuitive digital tools. Together, we'll confidently address your challenges and deliver measurable value.

CARBON STEEL CHAIN

Standard Chain		ANSI	ISO/BS
	BENEFITS Meets or exceeds ANSI standards with superior wear life and fatigue resistance for general industrial applications.	FEATURES - Available in ANSI sizes 25 to 240 and ISO/BS sizes 06B to 32B. - Manufactured to meet or exceed ANSI standards with preloading at 50% of MUTS.	
Brands: Diamond & Drives			
Heavy Chain		ANSI	
	BENEFITS Thicker linkplates handle shock loads and reversing better than standard chains.	FEATURES - Features thicker linkplates than standard chain for improved shock load resistance and fatigue strength. - Exceeds ANSI tensile strength requirements; ANSI sizes 60H to 240H. - Ideal for reversing drives and applications with frequent starts/stops.	
Brands: Diamond & Drives			
High Strength Chain		ANSI	
	BENEFITS Through-hardened pins provide higher fatigue strength for lifting and pulsating load applications.	FEATURES - Available in ANSI sizes 60HS to 240HS (Diamond) or 60HZ to 240HZ (Drives). - Uses through-hardened pins for greater tensile, fatigue and working load capacity. - OC variants feature oval contour plates for additional fatigue strength.	
Brands: Diamond & Drives			
Power Transmission Double Pitch Chain		ANSI	
	BENEFITS Increase in pitch means that only half of the component parts are required per foot of chain, which can significantly lower the weight.	FEATURES - Available in ASME/ANSI double pitch sizes 2040 to 2080. - Double pitch design ideal for low-speed agricultural drives with consistent performance.	
Brands: Diamond & Drives			
Conveyor Double Pitch Chain		ANSI	
	BENEFITS OC variants feature oval contour linkplates and standard and oversized roller options.	FEATURES - Available in ANSI double pitch sizes C2040 to C2160H. - Typically used in low-speed, lightly loaded applications like material handling and agricultural conveyors. - Ideal for applications requiring attachment chain.	
Brands: Diamond & Drives			

CARBON STEEL CHAIN (cont.)

Hoist & Lift Chain		
	BENEFITS High-strength pins deliver superior load capacity in tight lifting applications.	FEATURES • Hoist Chain available in 625 & 750, Rollerless Lift Chain available in 55S & 65S. • Uses medium carbon through-hardened pins for higher shock load and fatigue resistance. • Lift chain is rollerless, which increases bearing area for frequent articulation. • Offset links and slip fit connecting links are not available for hoist or lift chains.
Brand: Diamond		
Leaf Chain		
	BENEFITS Suitable for lift trucks and hoists. Product testing shows higher pin push off force than standard leaf chain, leading to greater pin retention under load.	FEATURES • Available in ANSI sizes BL1222 to BL1688. • Press-fit construction increases push off force and minimizes the risk of pin rotation. • Designed for high tensile strength applications, suitable for heavy-duty lifting and balancing operations, such as lift trucks, forklifts and material handling equipment.
Brand: Drives		
Non-Standard Chain		
	BENEFITS Legacy designs supporting specialized legacy equipment and machinery.	FEATURES • For industrial equipment still utilizing these unique chains we carry 148x5/16, 33x3/8, 435x3/8, 435x1/2, 472, 264, 241 and more.
Brands: Diamond & Drives		
Sapphire® Chain		
	BENEFITS Competitively priced standard roller chains for a wide range of general applications.	FEATURES • Available in carbon steel, nickel plating or stainless steel. • Offered in single, double and triple strand chains. • Meet or exceeds ANSI or BS/ISO minimum requirements for tensile strength and wear life.
Brand: Diamond		
CORROSION & MOISTURE RESISTANT CHAIN		
Stainless Steel Chain		
	BENEFITS Corrosion-resistant stainless chain for chemical exposure and high-humidity conditions. Non-sparking option available.	FEATURES • Diamond: Available in 304AU or 304/600AP stainless steel options. • Drives: Available in 316NS, 304PS or 304/600AS stainless steel options. • Ideal for corrosive, high-temperature, or food-safe environments.
Brands: Diamond & Drives		

CORROSION & MOISTURE RESISTANT CHAIN (cont.)

Diamond ACE® Plated Chain			ANSI	ISO/BS
	BENEFITS Diamond ACE® plating protects against salt water and caustic washdowns, preserving carbon steel strength.	FEATURES - Available in ANSI sizes 40ZN to 160ZN and ISO/BS sizes 06BZN to 32BZN. - Electrically bonded zinc-nickel plating with non-hexavalent chromium protects even when scratched. - Offers superior corrosion resistance to water, salt water, and humidity compared to nickel plating.		
Brand: Diamond				

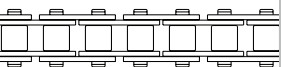
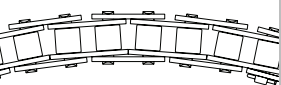
Silver Shield CR® Chain			ANSI
	BENEFITS Silver Shield CR® chain offers increased corrosion-resistance in applications subject to high-moisture, mildly caustic or acidic environments.	FEATURES - ANSI sizes 40CR to 160CR. - Zinc-aluminum coating resists acids and caustics. - Same mechanical strength and wear life as standard carbon steel chains.	
Brands: Drives			

ATTACHMENT & APPLICATION SPECIFIC CHAIN			
Attachment Chain			ANSI
	BENEFITS Factory-applied attachments simplify integration and speed up assembly across applications.	FEATURES - Available in single and double pitch and several materials and finishes. - Extensive assortment of attachments - over 100 standard attachments are available. - Use the Chain Configurator tool to customize your attachment chain. - Available in carbon steel and corrosion-resistant options. - Laser-cut custom attachments available.	
Brands: Diamond & Drives			

Oil Field Roller Chain			ANSI
	BENEFITS Engineered for oilfield service life and reliability.	FEATURES - Available in single to multiple strands, sizes 60HS to 240HS (Diamond) or 60HZ to 240HZ (Drives). - Wide-waisted link plates are ballized to reduce fatigue and add strength; through-hardened pins offer protection from unpredictable overloads. - Coil tubing kits designed to accept OEM gripper blocks for injector performance.	
Brands: Diamond & Drives			

Food Packaging Chain			ANSI
	BENEFITS Compliant for food zones—cleanable, corrosion-resistant and attachment-ready.	FEATURES - Nickel-plated carbon steel offers protection in high humidity or wash down environments. - Configured for 8600-14, 8600-14EL, 8600-14E, 8600-18, 8300-18 and 8300-24 food packaging machine types. - Extended stainless steel pins resist corrosion.	
Brand: Diamond			

ATTACHMENT & APPLICATION SPECIFIC CHAIN (cont.)

Pin Oven Chain		ANSI
	BENEFITS High-temperature capable with precision attachments for can manufacturing.	FEATURES - Based on ANSI 60 chain, modified for high-temp curing ovens in can decorating. - Ring Leader™ O-Ring variant supports 450°F with sealed lubrication. - Extended pins are available in bendable or breakable versions per application.
Brand: Diamond		
Powersports Chain		ANSI
	BENEFITS Lightweight yet durable chain for powersports with reliable torque transmission.	FEATURES - Designed for ATVs, go-karts, motorcycles and snowmobiles. - Available in carbon steel, brass plated, nickel plated and Ring Leader™ XLO O-Ring variants.
Brand: Diamond		
Snap-On Top Plate Chain		
	BENEFITS Tool-less top plate replacement reduces downtime in packaging and conveying.	FEATURES - Available in side-flexing (43SB and 63SB) and straight running (43 and 63). - Offered in carbon or stainless steel. - Holds industry-standard plastic top plates via extended pins. (Top plates not included)
Brand: Diamond		
Power Curve Chain		ANSI
	BENEFITS Side-flexing roller chain handles curves in packaging and bottling lines.	FEATURES - Designed for lateral movement in packaging and bottling lines. - Engineered for side-flexing without binding, commonly called “side-bow” chains. - Available in sizes 40LG to 80LG.
Brand: Diamond		
Thermoforming Chain		ANSI
	BENEFITS Designed for heated environments and high-speed form-fill-seal equipment.	FEATURES - Available in 40-1 to 60-2 base chains; built-to-order for precise thermoforming applications. - Includes pointed linkplates, extended pins and EHT pin options for high-temperature durability. - Chains are length-matched to Class 1 or 2 tolerances to avoid film distortion.
Brand: Diamond		
Coupling Chain		ANSI
	BENEFITS Precision roller chain used in coupling assemblies for smooth torque transmission.	FEATURES - The chain's components develop a high-capacity unit durable enough to deliver long after other chains fail. - Chain is double-strand press fit constructed to exact length. - Single coupling bolt facilitates easier assembly/disassembly.
Brand: Diamond & Drives		
Micropitch® Chain		
	BENEFITS Compact pitch for small drives and precise motion in automation systems.	FEATURES - Made from non-magnetic 300 series stainless steel. - Pitch: 0.147” - Ideal for precision automation with minimal articulation space.
Brand: Diamond		