Welded Steel Chain is Constructed with Hardened Bushings and Pins

Drag Conveyor Chain and Sprockets

Introduction

KWS drag conveyors are engineered for the toughest bulk material handling applications. Sprockets and chain play a critical role in ensuring long-lasting, reliable performance.

Drive sprockets deliver power from the motor to the chain, tail sprockets maintain tension and alignment, and idler sprockets support the return strand of chain. Together, these components are designed to provide smooth, efficient operation, reduce wear, and extend service life. Sprockets are available in solid or split designs to match application needs. Solid rim sprockets provide unmatched strength for heavy-duty operation, while split and segmental rim sprockets allow for quick replacement of worn tooth segments without removing the entire sprocket or shaft.

Chain assemblies work in harmony with sprockets to achieve optimal performance. Heavy-duty welded steel chain and drop forged chain are both engineered to handle the harshest conveying environments. Welded steel chain is constructed with hardened steel bushings and pins to withstand heavy loads and abrasive materials without excessive elongation or fatigue. Drop forged chain is engineered for exceptional impact strength and resistance to shock loads. The chain is manufactured from heat-treated alloy steel, case-hardened to Rockwell C57–C62 with a ductile core of Rockwell C40, providing a tough, wear-resistant surface and a flexible inner core for long service life.

Features

Precision Design – Sprockets are precision-machined from heat-treated alloy steel. Each tooth profile is engineered for maximum chain engagement.

Variety of Chain Options – Precision-fit design of welded steel chain ensures consistent pitch and long service life in high-torque, slow-speed applications. Drop forged chain delivers superior performance and reliability in abrasive, heavy-duty applications with breaking strengths ranging from 40,000 to 67,500 lbs.

Benefits

Long Life – Sprockets and chains work together to deliver reliable power transmission and smooth, consistent operation. Split and segmental sprocket designs reduce maintenance time by allowing quick replacement of worn segments, keeping equipment running with minimal disruption.

Maximum Uptime – Engineered chains provide dependable performance in continuous-duty and abrasive applications.

Together, KWS sprockets and chains provide a rugged, long-lasting conveying solution that lowers total cost of ownership. With precision engineering, durable materials, and field-serviceable designs, KWS components are built to keep your operation moving efficiently, reliably, and for years to come.

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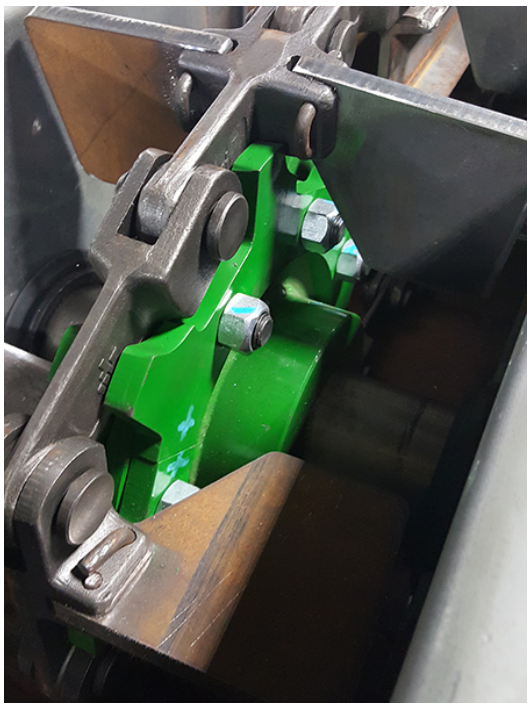
Features & Benefits

Welded Steel Chain Excels in High-Torque, Slow-Speed Applications

Drop-Forged Chain is Heat-Treated Alloy Steel Case-Hardened to Rockwell C57–C62



Split and Segmental Rim Sprockets Allow for Quick Replacement

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