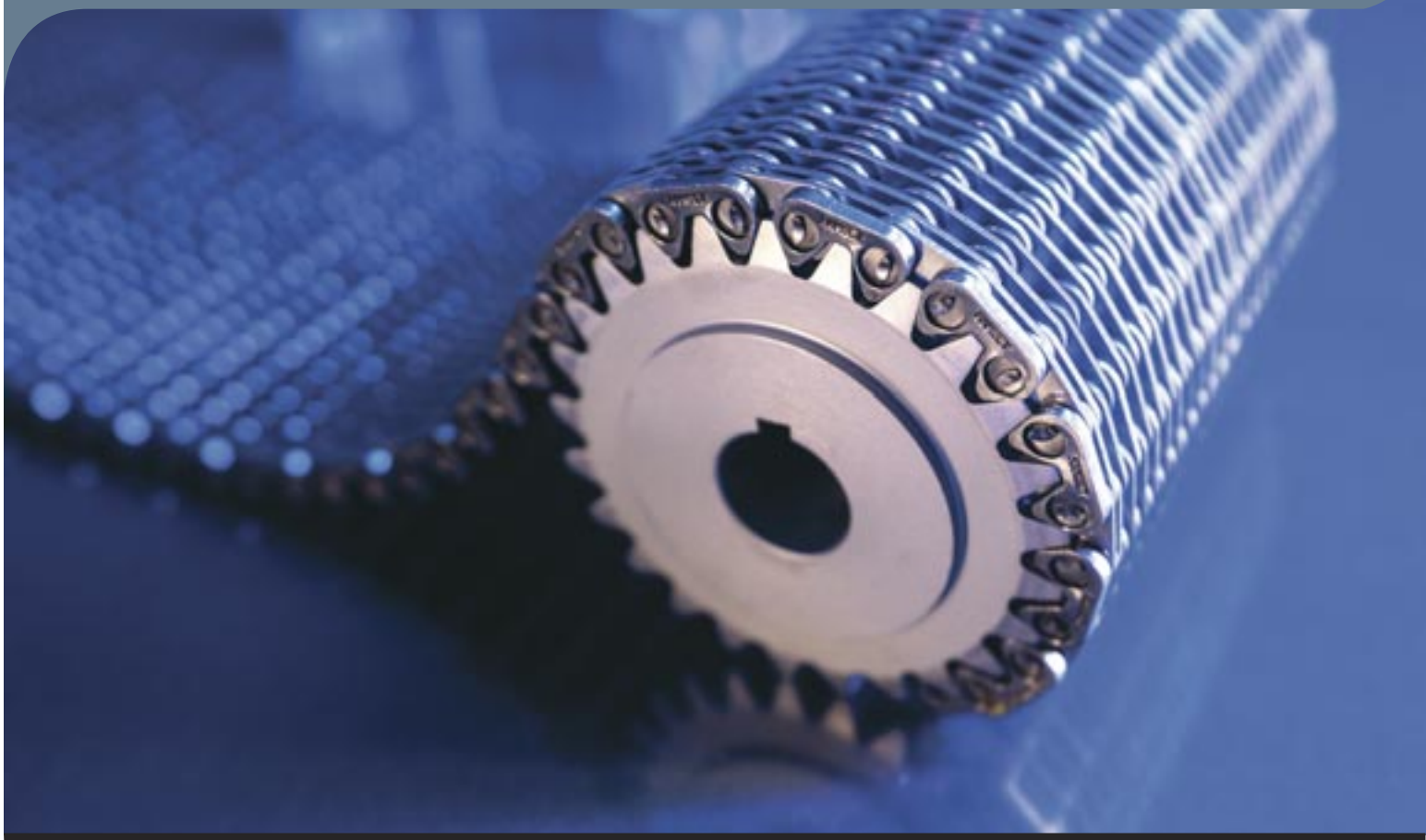
Ramsey Conveying Chains



FOR GLASS CONVEYING

Ramsey Products
CORPORATION

Ramsey wear protected chains for the glass industry

For more than a decade Ramsey has worked with glass bottle producers around the world to develop and produce our unique line of wear protected glass conveying chains. Designed specifically to minimize or prevent the most common types of conveyor chain wear, Ramsey chains offer bottle producers a wide range of new options for reducing conveyor maintenance, improving product handling, and increasing productivity. With more patented wear protected chain designs than any other glass conveyor chain producer, and more than 100 years in the chain business, you can depend on Ramsey for your most demanding conveying applications.

HOW WEAR PROTECTED CHAINS WORK

In many production environments, standard silent conveying chains perform admirably and can deliver years of trouble free service. However, in some situations, conveying chains can be exposed to conditions that create unusual wear, disrupt product transport, and lead to premature chain failure. Conveyor systems that experience these problems can often realize significant productivity gains by replacing standard conveyor chains with new wear protected chains that are designed to reduce, or prevent, specific types of chain wear.

Typical chains contain pins that extend from the sides of the chain (Figure 1). The ends of these pins, which are headed or riveted to hold the chain together, are vulnerable to several types of wear. They may rub against lateral guides or transfer plates, which can result in the gradual wearing of pin heads. Or, the exposed pin heads may snag or hang up on any protruding edges along the conveyor's path. This snagging can lead to conveyor surging, product flow disruption, and the chipping or shearing away of the pin head. Once the pin head is worn away, or sheared off, there is nothing holding the chain together and it will start to come apart. If that occurs, the conveyor will need to be shut down so the chain can be repaired or replaced.

Operators may try to prevent pin snagging by creating a gap between the chain and transfer plate (Figure 1). In some instances this gap can interfere with the smooth transfer of items across the chain.

Ramsey Wear Protected Chains eliminate these typical chain problems. As shown in Figure 2, special wear protected side links fully enclose pin heads and guard against pin wear and chipping. This allows the chain to be operated in direct contact with lateral guides or transfer plates, eliminating gaps that can prevent smooth product transfer.

FIGURE 1 TYPICAL CONVEYOR CHAIN

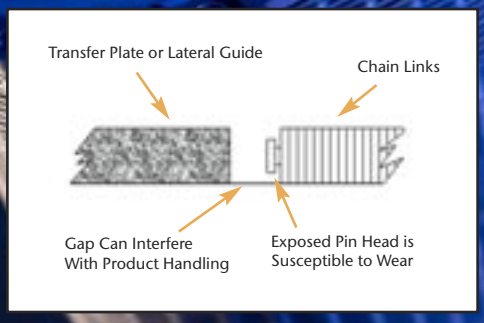
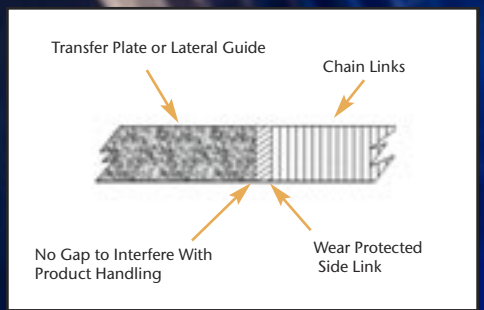
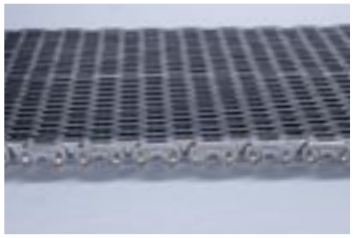


FIGURE 2 RAMSEY WEAR PROTECTED CONVEYOR CHAIN



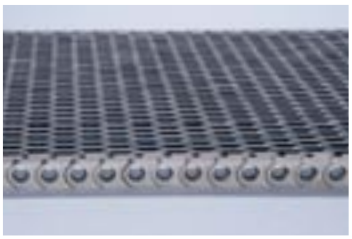
A QUICK OVERVIEW OF OUR GLASS CONVEYING PRODUCTS

SENTRY®



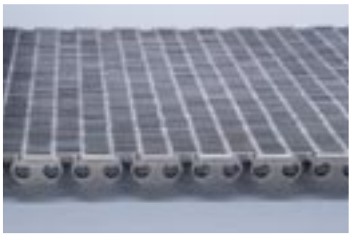
Sentry chains combine the best features of Allguard FX and two pin conveying chains with features developed for high speed power transmission chains. The result is a chain with recessed and staked pin heads, two pin chain joints and 100% steel alloy construction - no sintered metal - for an extremely durable long-lasting chain.

LIFEGUARD® AGLG



Lifeguard patented chains offer the most complete protection against lateral chain and pin head wear. They are equipped with unique, patented, interlocking side links that not only guard against wear, but also greatly reduce the size of gaps between adjacent side plates, assuring smooth product transfer.

ALLGUARD FX™



Allguard FX chains are designed with unique, wear resistant links covering and protecting the chain. Allguard FX can run in direct contact with lateral guides, immune to the pin head wear which can destroy typical chains.

SPROCKETS

Ramsey produces a complete line of sprockets to fit our chains, as well as chains from other sources. Sprockets are typically alloy steel with heat treated teeth but are also available in other materials, including stainless steel. Sprockets are machined to fit customer specifications.

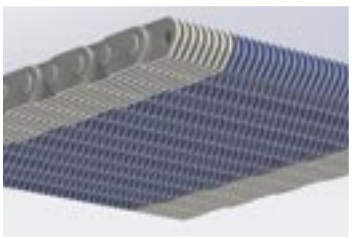
RZ3

Ramsey's RZ3 chain features an innovative third tooth positioned centrally within the extended pitch chain link. This additional tooth significantly enhances the chain's stability by providing extra support and increased points of contact with the plate or sprocket.

RAMSEY ALL-STEEL® ASFX

Ramsey All-Steel chains are wear protected chains made from 100% steel. Unlike other chains which use head protector links made from pressed metal and are susceptible to cracking, All-Steel chains use guard links made from 100% hardened, alloy steel.

R-SELECT™



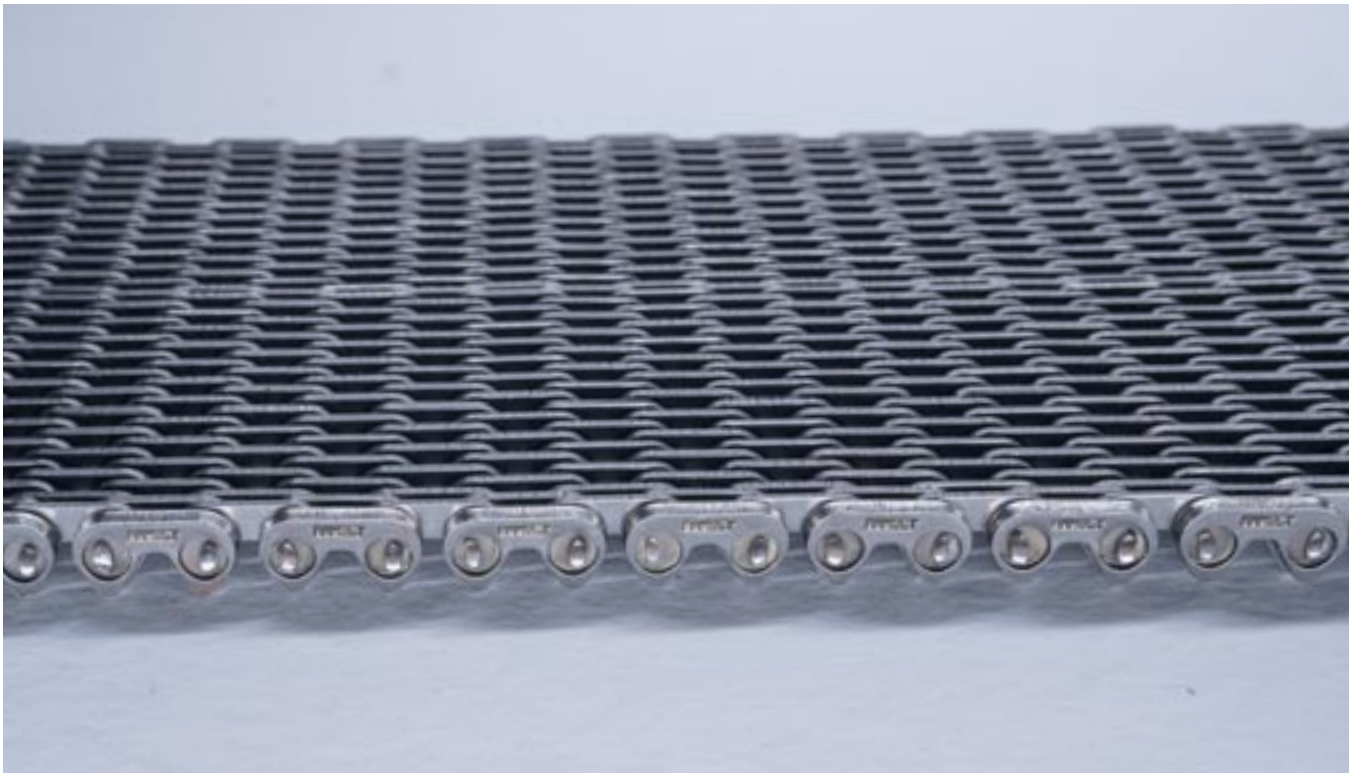
Ramsey's patented R-Select chains allow conveyor chain users to select exactly where they want to improve the wear resistance of a chain. During production, highly wear resistant links are inserted throughout the chain, or in specific locations, depending on customer preference. As a result, enhanced wear resistance is available where you need it most.

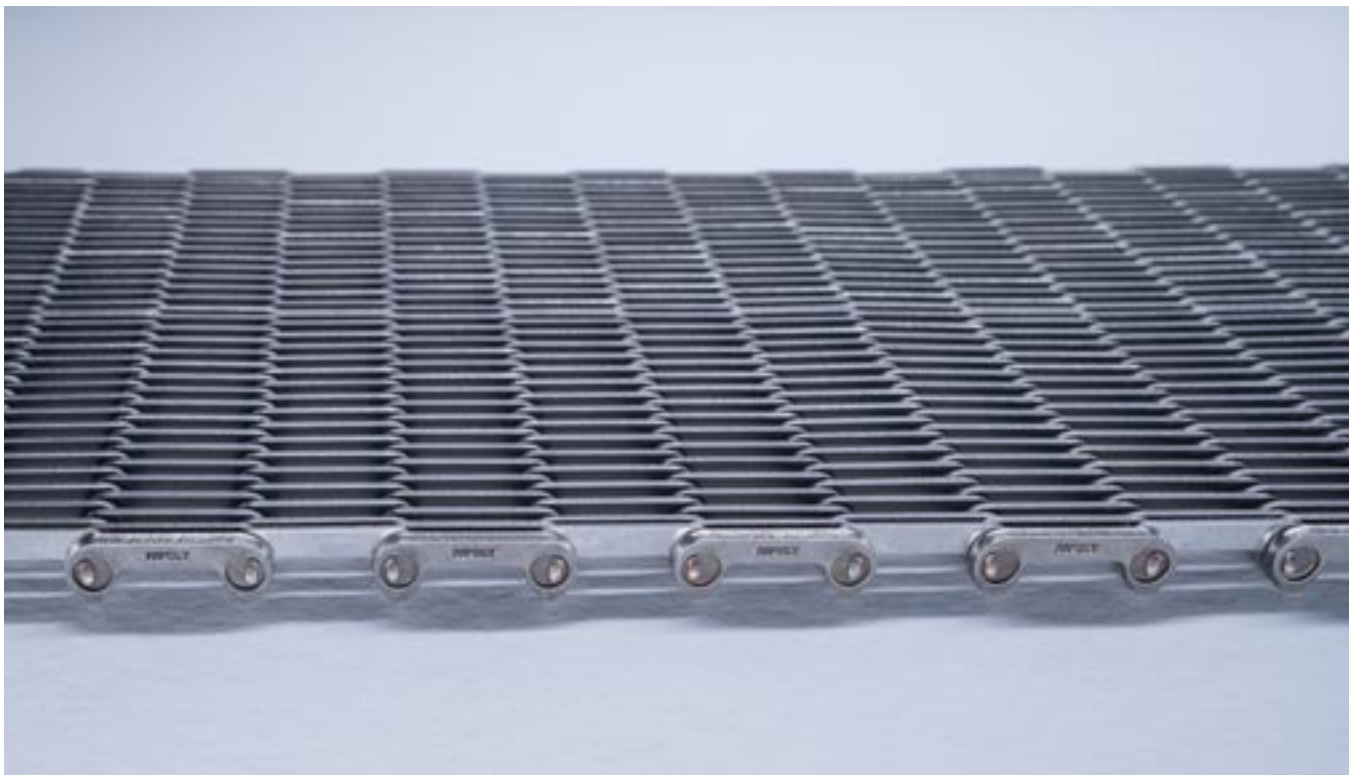
RKO RAMSEY KNOCK OUT TOOL®

Ramsey's patented RKO Knock Out Tool greatly simplifies the connection and disconnection of Ramsey's Wear Protected chains. This lightweight tool can be used with any width or style single pin conveying chain, including Allguard FX, Lifeguard and All-Steel chains; and is now available in both standard and wide-body versions.

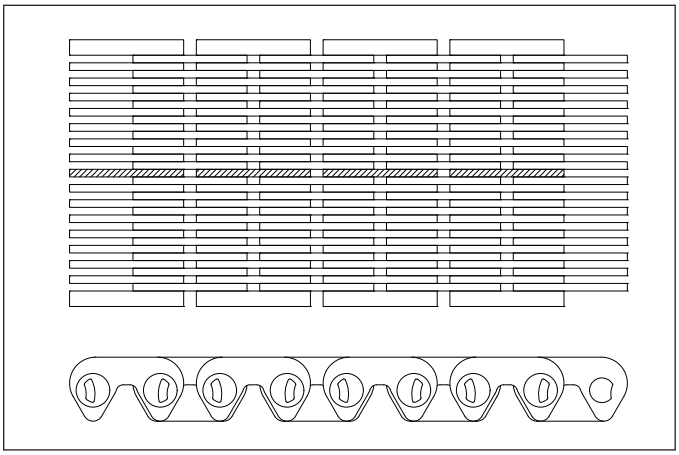
THE SENTRY® ADVANTAGE

Ramsey's popular line of glass conveying chain products expanded to include Sentry, a unique wear protected chain. The Sentry line combines the best features of Ramsey's established Allguard FX and two pin conveying chains with features developed for high speed power transmission chain.

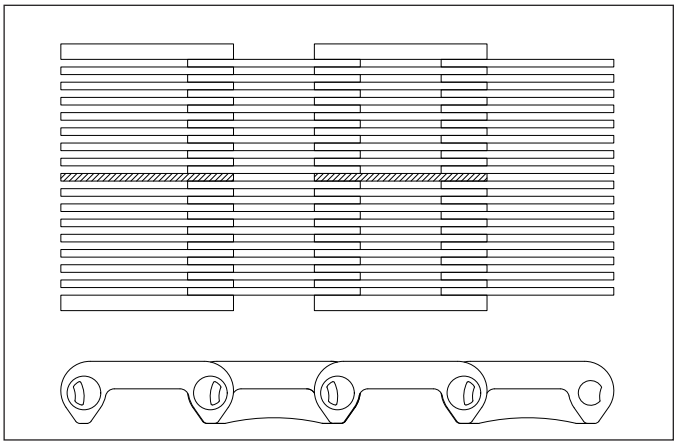




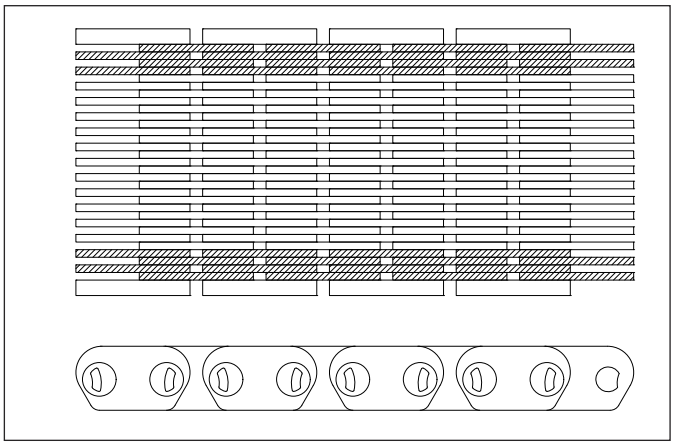
1/2 INCH PITCH, CENTER GUIDE



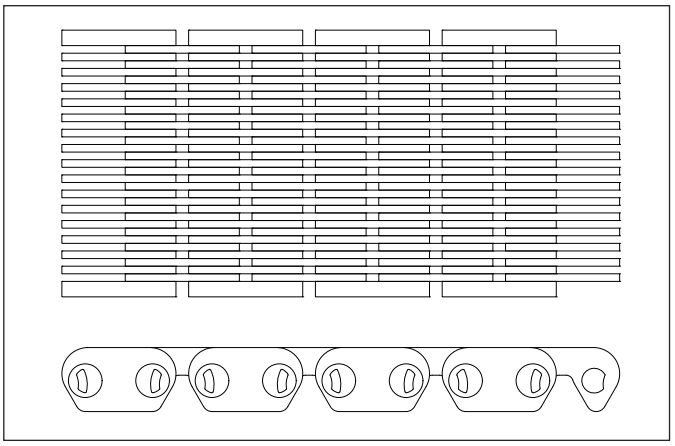
1 INCH PITCH, CENTER GUIDE



1/2 INCH PITCH, MULTIGUIDE



1/2 INCH PITCH, SIDE GUIDE



FEATURES OF RAMSEY'S NEW SENTRY CHAINS

- Guard Links with Fully Recessed Pin Heads
- 100% Hardened Alloy Steel Construction- No Sintered Metal
- Two Pin Chain Joints
- 1 Inch and 1/2 Inch Pitch Chain Design
- Staked Pin Heads
- Pre-Stressing for Reduced Chain Elongation

DEVELOPED FOR GLASS CUSTOMERS PREFERRING TWO PIN STYLE CHAINS

Following the success of Ramsey's established wear protected chains, our customers who prefer two pin chain designs challenged Ramsey's engineers to come up with a new chain. In response, Ramsey engineers developed an all steel, two pin chain design that offers the same wear protection as Lifeguard and Allguard FX.

WEAR PROTECTION AND MUCH MORE

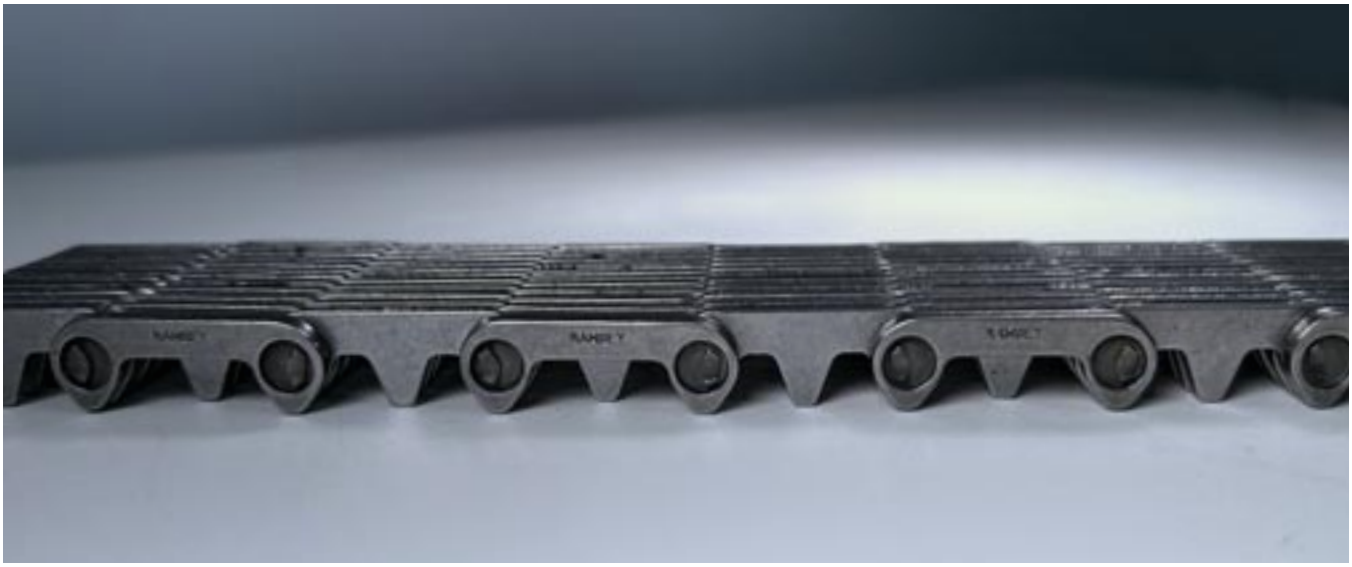
Sentry chains utilize time tested assemblies, two pin joint designs, and wear protected recessed pin heads to produce chains that are strong, durable, and resistant to wear. In addition, the pin heads in the chains are " staked" using proprietary technology developed by Ramsey. Staked heads are very durable and more compact than heads formed by other methods. And since the pin heads are recessed, they will not wear like pin heads in laser weld style chains.

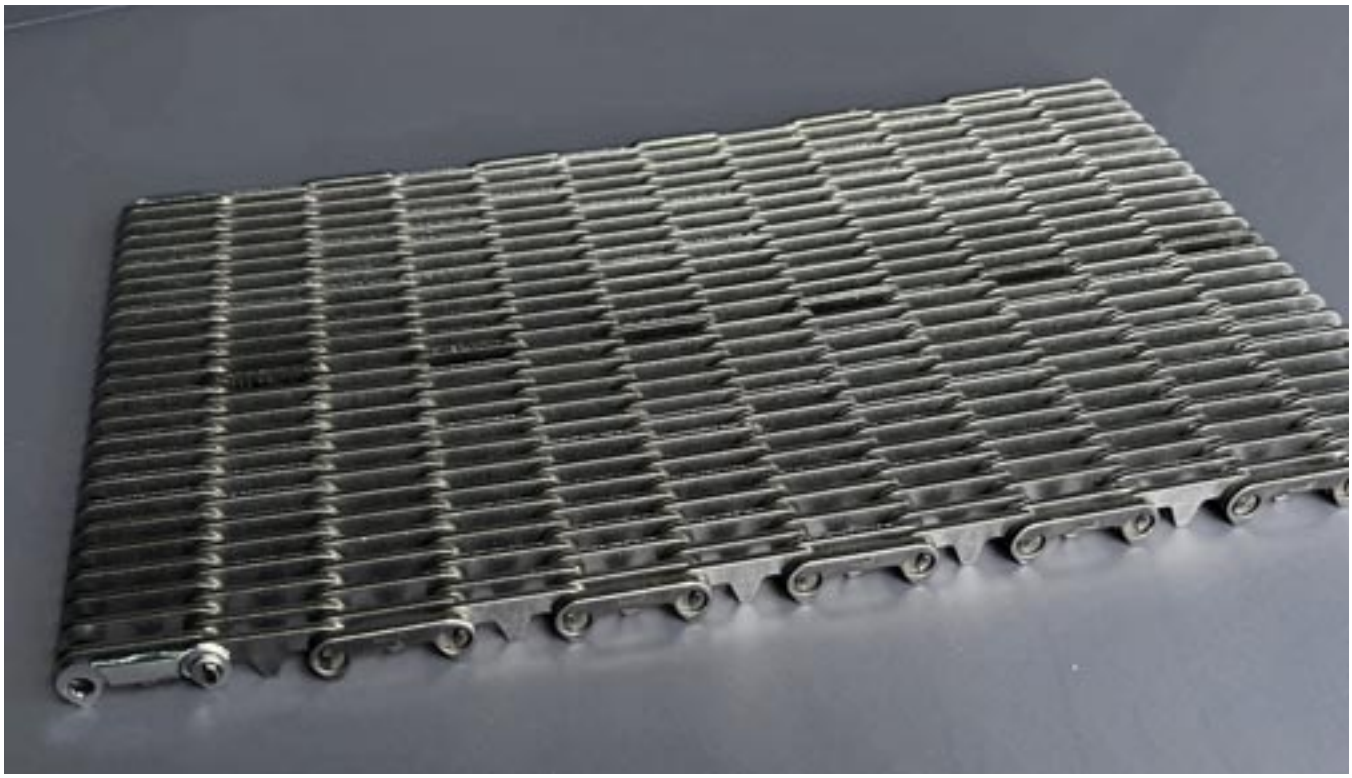
The guard links on Sentry chains are hardened alloy steel. No sintered metal parts are used in the chain. This results in a more robust and impact resistant chain. Lastly, Sentry chains are pre-stressed during manufacturing to fully seat components and to reduce chain stretch.

RZ3

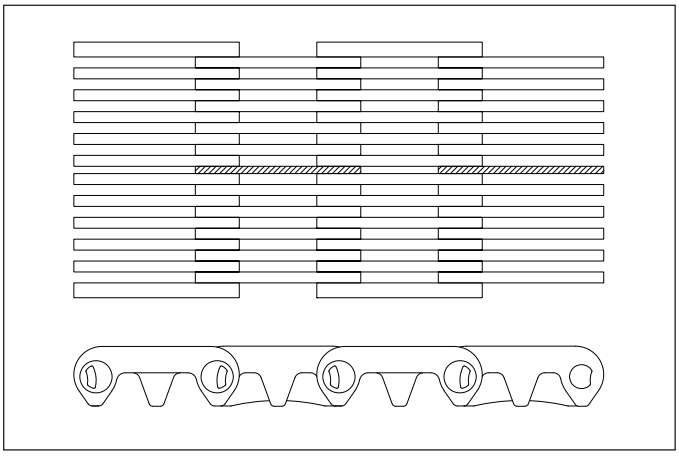
THE RZ3 ADVANTAGE

The RZ3 chain features an innovative third central support tooth that enhances stability, durability, and performance. The chain's third tooth is strategically positioned within the extended pitch chain link and significantly enhances stability by providing extra support and increasing points of contact with the plate or sprocket.

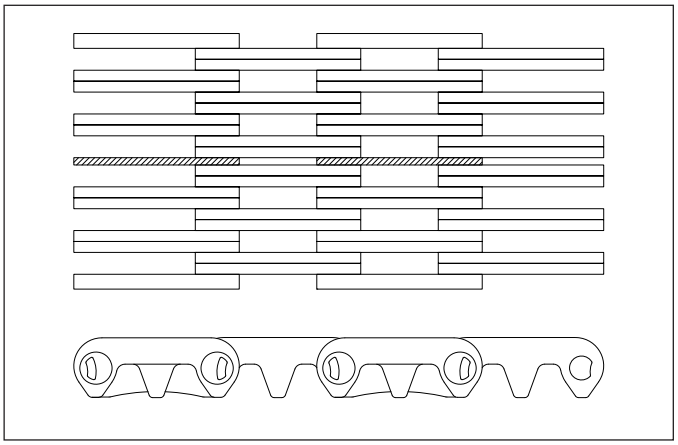




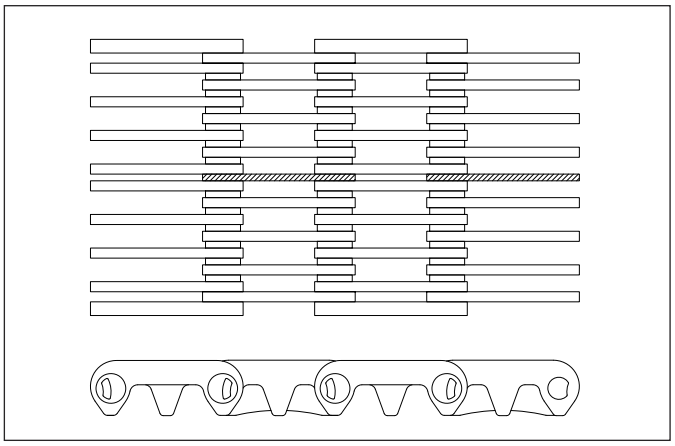
1 INCH PITCH, CENTER GUIDE, ALL LINK



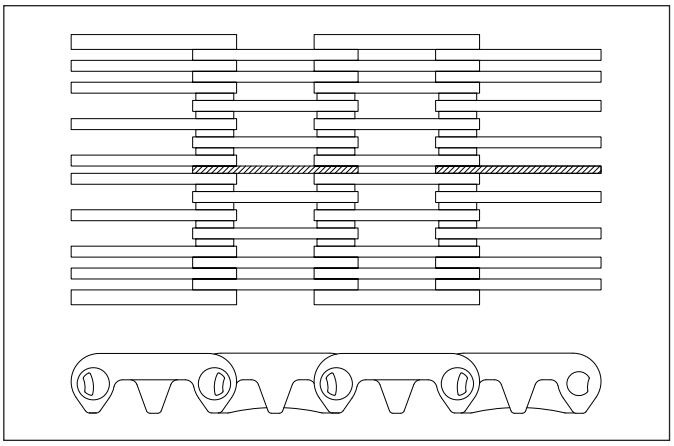
1 INCH PITCH, CENTER GUIDE, DOUBLE LACED



1 INCH PITCH, CENTER GUIDE, LINK & SPACER



1 INCH PITCH, CENTER GUIDE, CENTER LINK & SPACER



The RZ3 chain combines the unmatched stability of a ½" pitch chain with the exceptional durability of a 1" extended pitch chain. Engineered with an advanced third tooth design, it ensures smooth operation while effectively minimizing wear and elongation. Built for longevity, the RZ3 chain stands out with thicker links compared to our standard 2-pin chains, delivering superior strength and durability to meet the most demanding glass conveying needs.

INNOVATIVE ENHANCEMENTS OF RAMSEY'S RZ3 CHAIN

- Flattened Link-Bottom Tips: Engineered to minimize wear and maximize durability.
- Thicker Links for Greater Strength: Offers superior durability compared to standard 2-pin chains.
- Utilizes Sentry Head Protected Side Links

BENEFITS THAT DRIVE RESULTS

- Extended Chain Life: Engineered to reduce wear and elongation, extending operational lifespan.
- Central Support for Stability: Ensures smooth, stable, and reliable operation in demanding environments.
- Increased Productivity: Reduces downtime and maintenance with robust construction.

HEAD PROTECTION SIDE LINKS

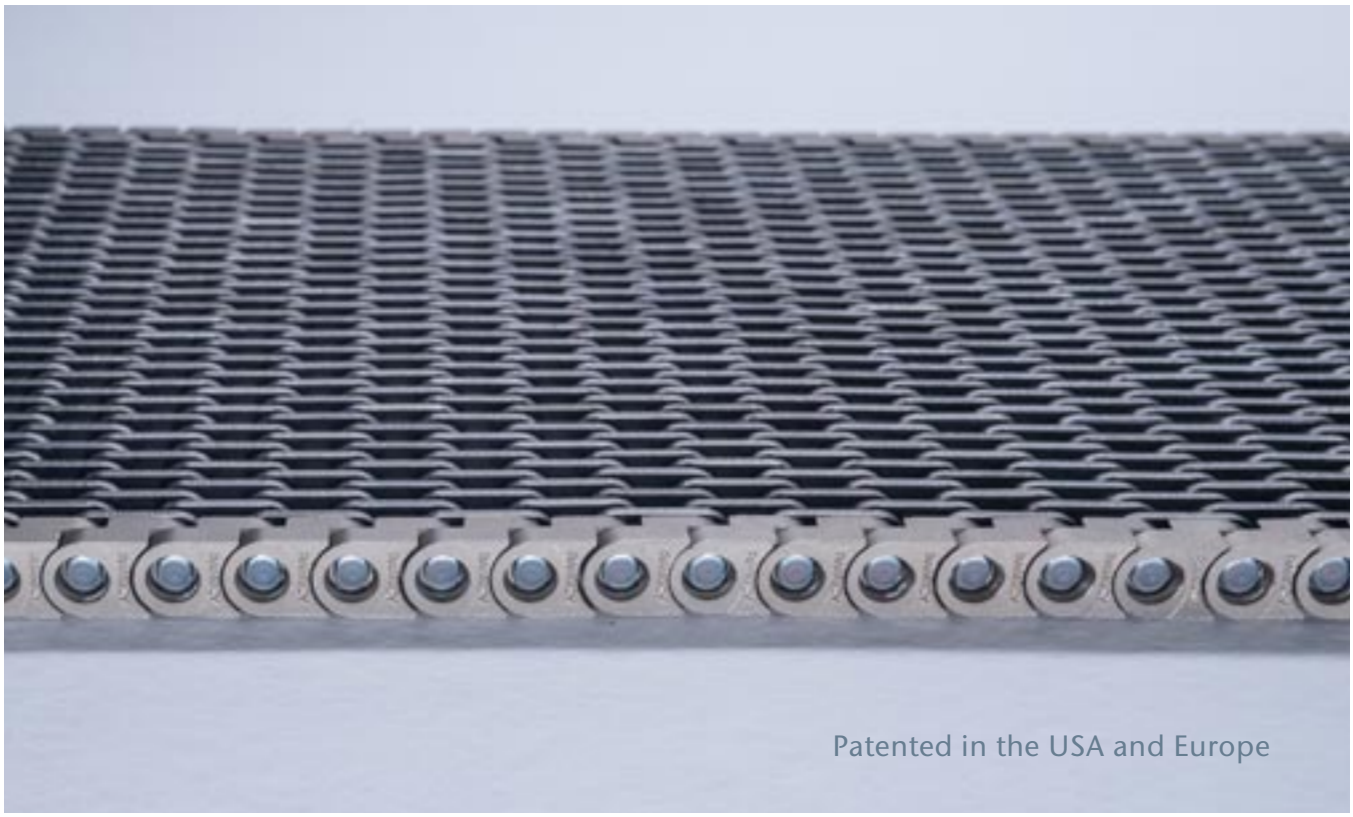
RZ3 chains feature Sentry head-protected recessed pin heads, a proven design that delivers exceptional strength, durability, and wear resistance. Each pin head is staked using proprietary Ramsey technology that outperforms conventional head-forming methods.

The recessed pin heads in RZ3 chains are shielded from direct wear, extending chain life in demanding environments. The guard links are crafted from hardened alloy steel, ensuring superior impact resistance and eliminating the need for sintered metal components.

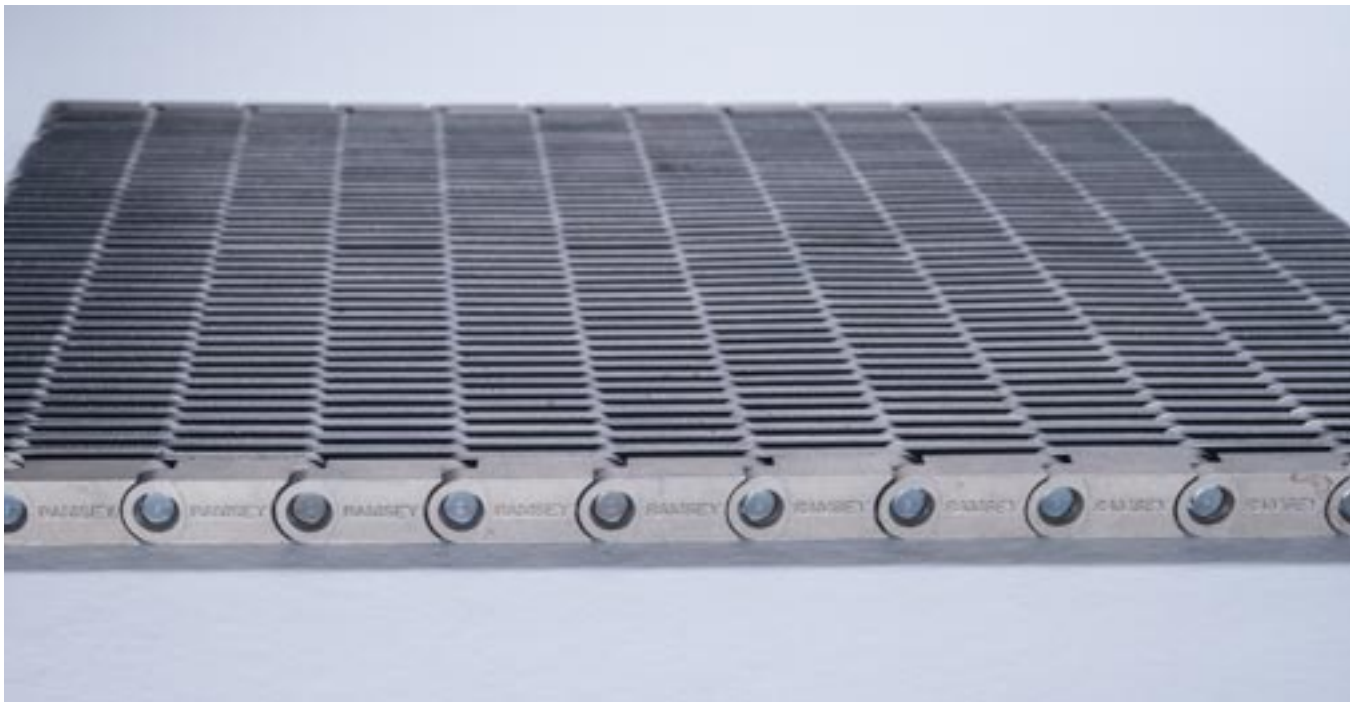
Lifeguard® AGLG

THE LIFEGUARD® ADVANTAGE: IMPROVED WARE TRANSFER FOR SMALL OR UNSTABLE CONTAINERS

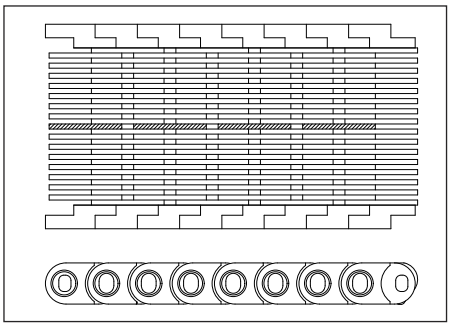
Ramsey's Lifeguard glass conveying chains are designed to prolong chain life by guarding exposed pin heads against wear and by preventing chain snagging. In addition, Lifeguard's special interlocking side links not only guard against pin head wear, but also greatly reduce the size of gaps between adjacent side plates. With smaller gaps between the links, the potential for snagging on lateral guides is significantly reduced.



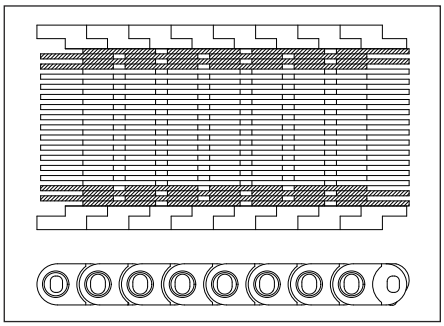
Patented in the USA and Europe



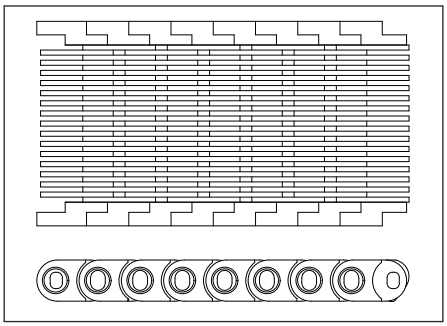
1/2 INCH PITCH, CENTER GUIDE



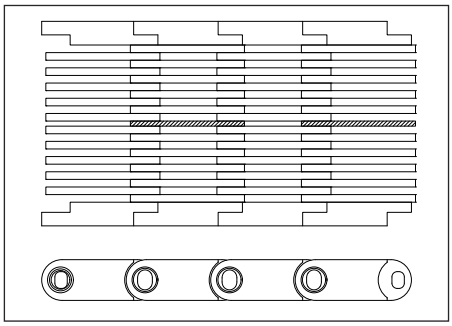
1/2 INCH PITCH, MULTIGUIDE



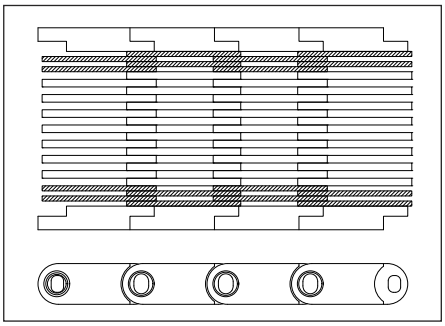
1/2 INCH PITCH, SIDE GUIDE



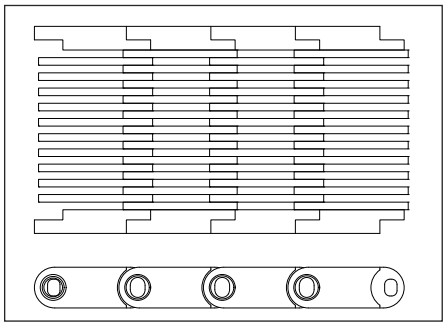
1 INCH PITCH, CENTER GUIDE

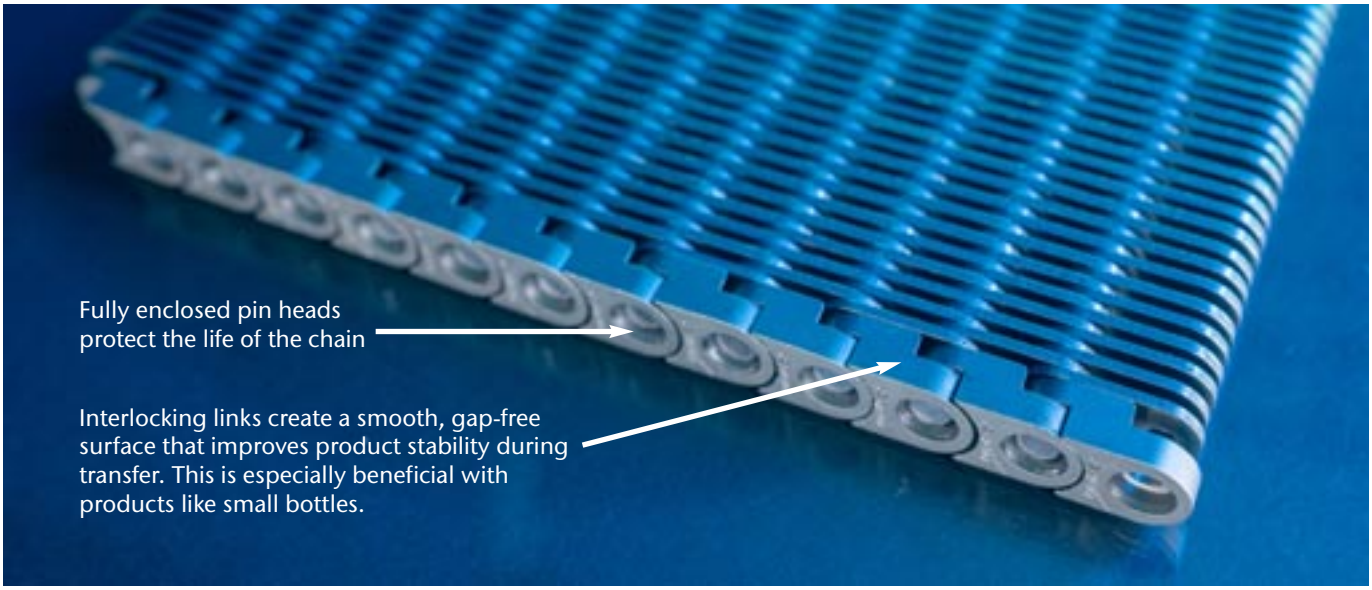


1 INCH PITCH, MULTIGUIDE



1 INCH PITCH, SIDE GUIDE





ADAPTABLE TO SIDE GUIDE OR CENTER GUIDE SPROCKETS

Lifeguard's special side links also serve to guide chains onto sprockets and maintain chain tracking. Center guide sprockets can also be used with Lifeguard, as long as the sprocket width is less than the chain's between guide dimensions.

DOUBLE OR SINGLE GUARD OPTIONS

Lifeguard is available with guard links on one side of the chain or on both sides of the chain. Single guard chain is less expensive, but double guard provides more complete chain protection.

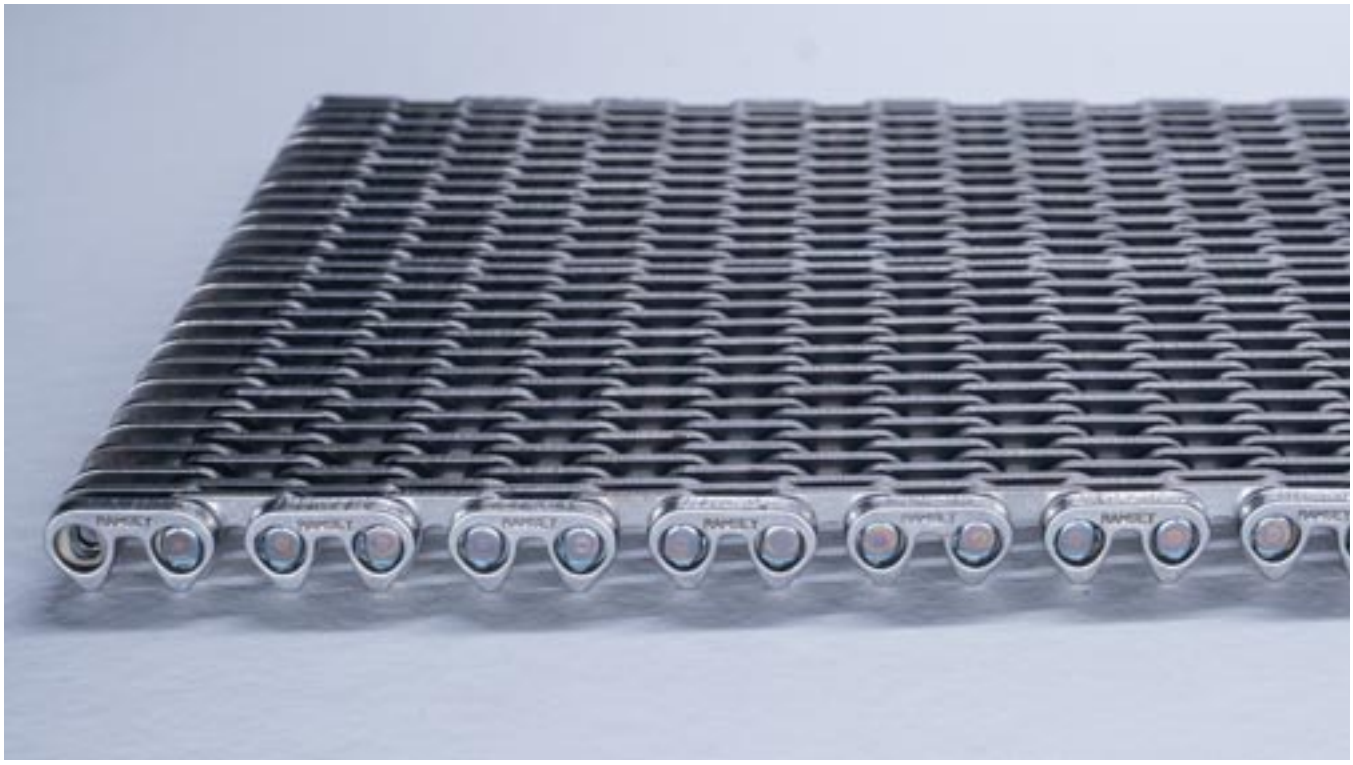
SIZES AVAILABLE TO FIT MOST SYSTEMS

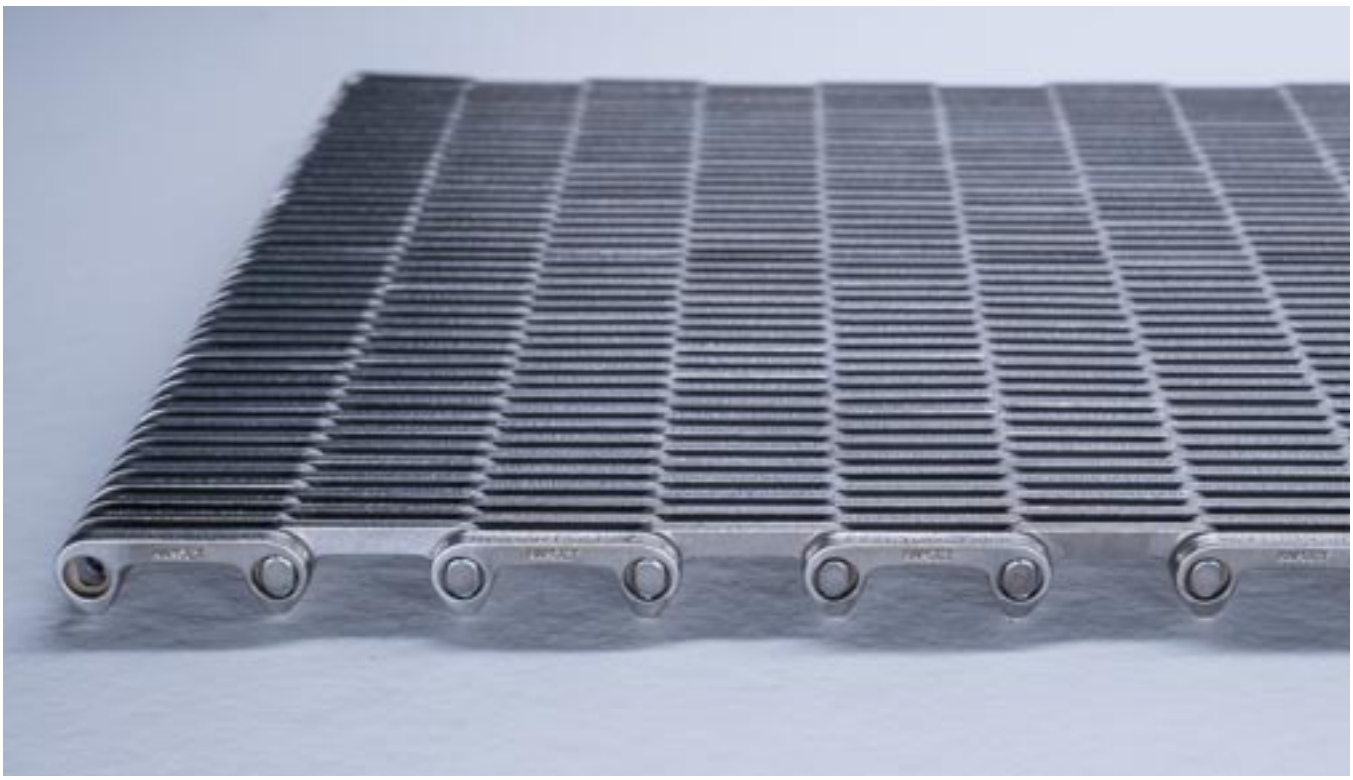
Lifeguard chains are available to accommodate a wide range of conveying systems. They are available in widths ranging from less than 25mm to over 500mm. Chains can be assembled with all links to maximize surface area, or they can be produced with links and spacers to reduce overall weight and enhance cooling. Links can also be double stacked within the chain to achieve better air flow and bottle cooling.

Ramsey All-Steel® ASFX

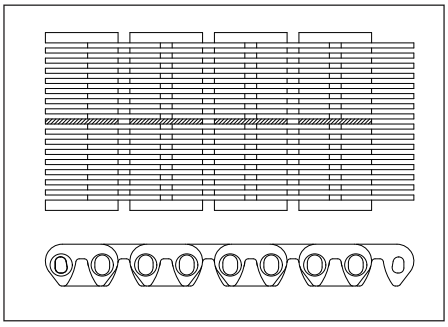
THE RAMSEY ALL-STEEL® ADVANTAGE: SINGLE PIN CHAINS FOR HIGH SPEED AND HIGH IMPACT APPLICATIONS

Ramsey's 100% steel chains are tough enough for the most demanding applications. Protected against lateral chain and pin head wear by all steel, hardened, alloy side links, the links in this chain will never crack under pressure. So if you have tried other chains and had problems with sintered metal links cracking, those days are over.

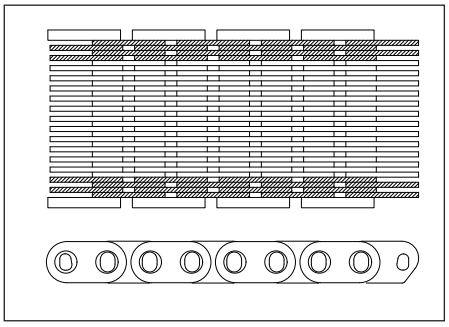




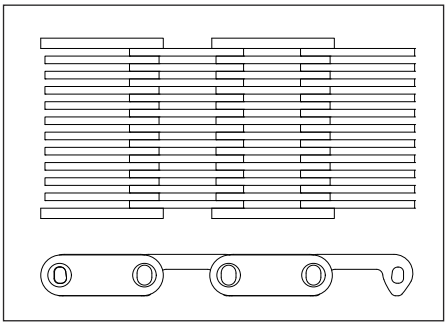
1/2 INCH PITCH, CENTER GUIDE



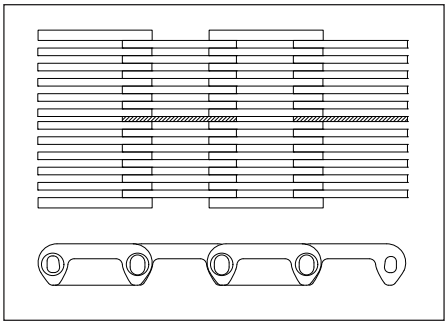
1/2 INCH PITCH, MULTIGUIDE



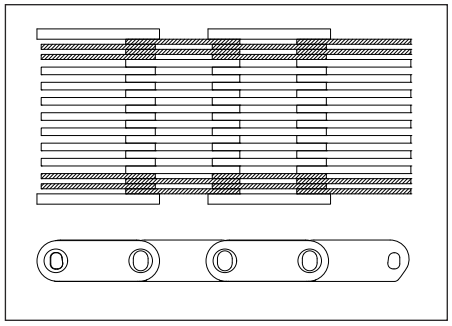
1/2 INCH PITCH, SIDE GUIDE



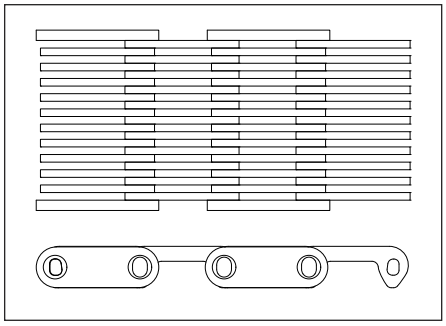
1 INCH PITCH, CENTER GUIDE



1 INCH PITCH, MULTIGUIDE



1 INCH PITCH, SIDE GUIDE

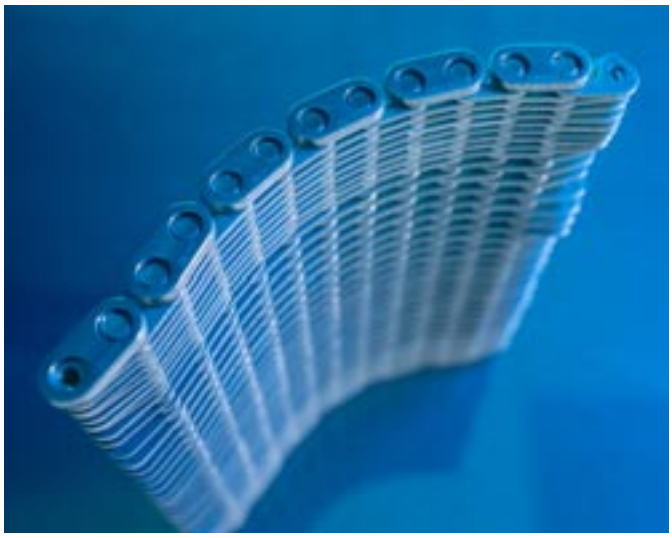


OPTIONS INCLUDE:

- Chain widths from less than 25mm to over 500mm
- Assemblies include: all links (maximum surface area), link-spacer construction (reduced weight and enhanced cooling), or double stacked (better air flow and bottle cooling)
- Chain surfaces can be ground for the ultimate in smooth transport

AVAILABLE ONLY FROM RAMSEY

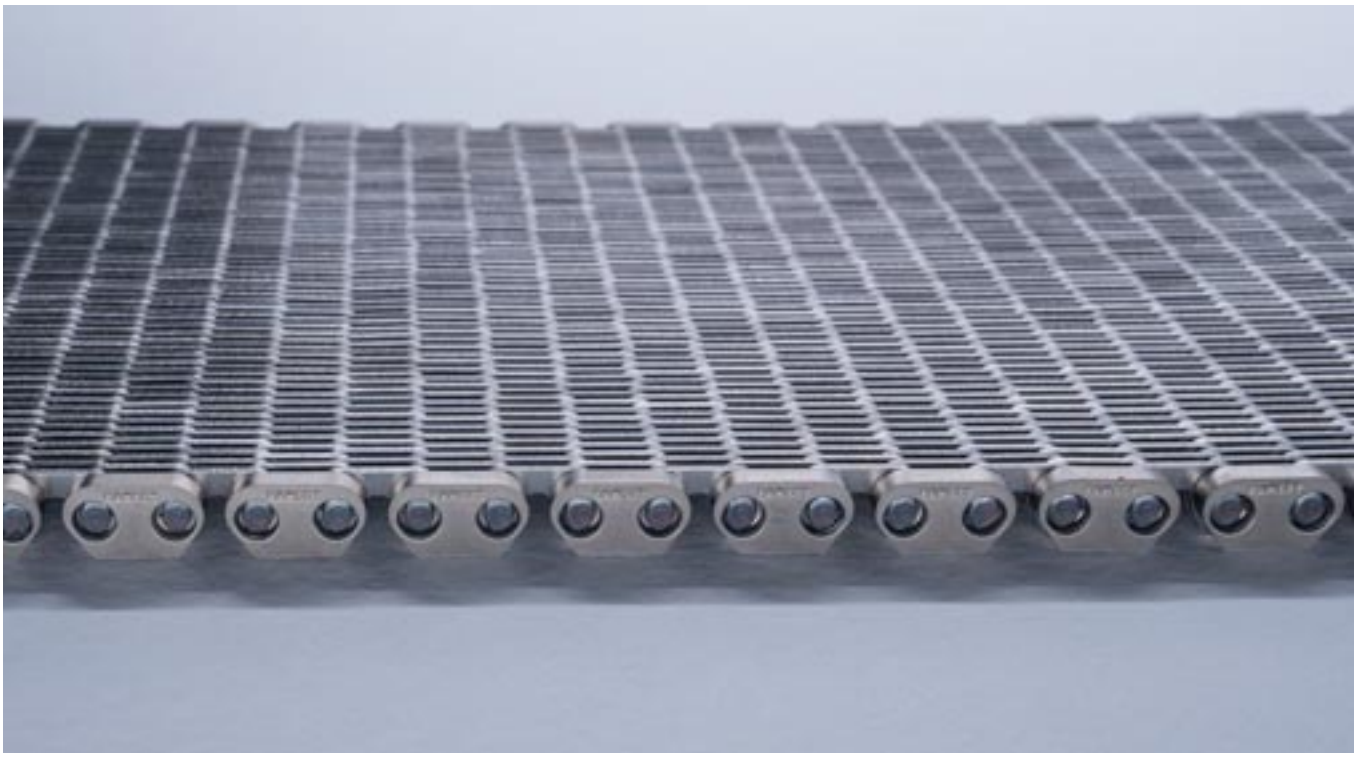
Ramsey All-Steel guard links can be added to almost any style of single pin center guide conveying chain. This product breakthrough may change the way you look at wear protected chains.

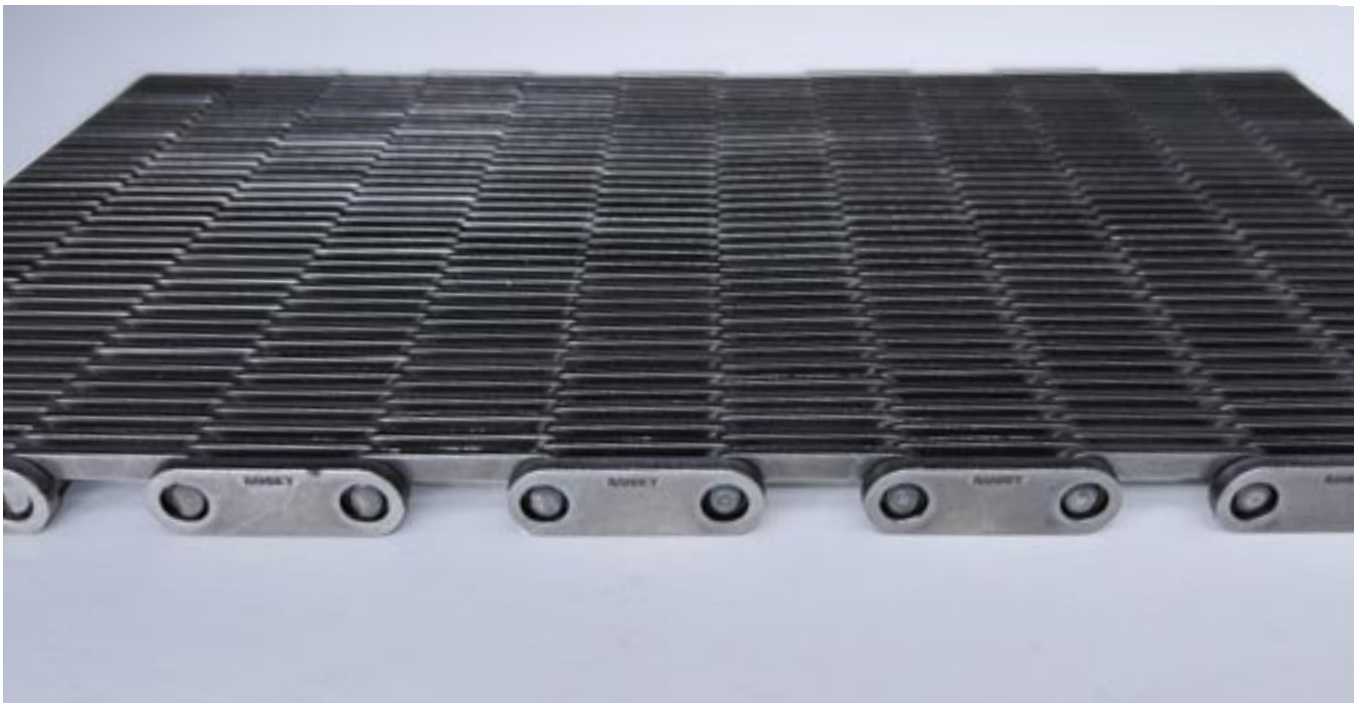


Allguard FX™

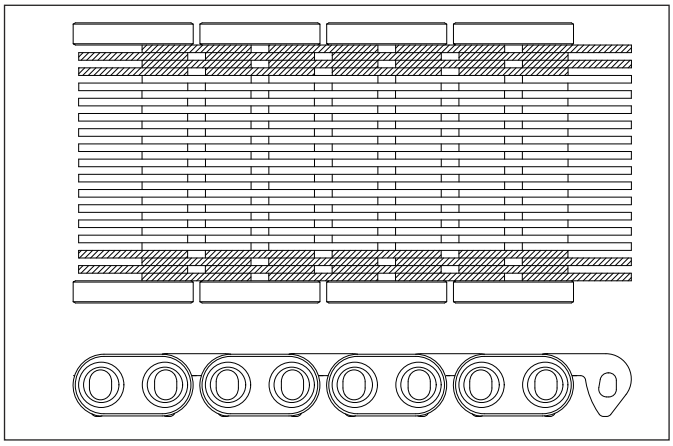
THE ALLGUARD FX™ ADVANTAGE

Ramsey's Allguard FX™ conveyor chain is designed to extend chain life and improve product handling, especially in applications where conveyors run in contact with lateral guides or transfer plates. As shown below, special Allguard FX side links fully enclose pin heads and guard against pin wear and chipping. This allows Allguard FX chains to run in direct contact with lateral guides, immune to the pin head wear that can destroy typical chains. Wear protected links can be added to both sides of a chain, or only one side, depending on customer preference.

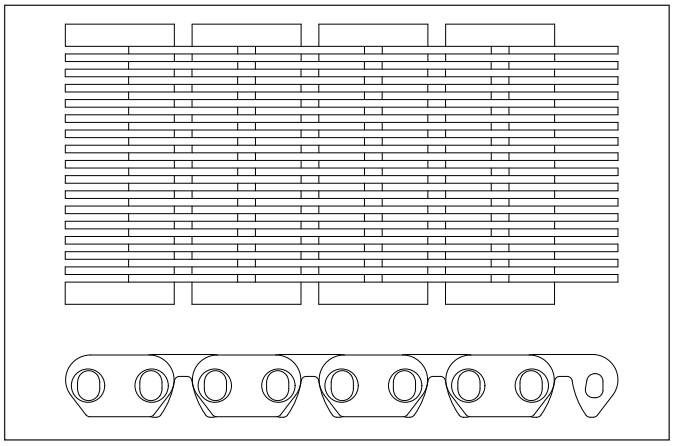




1/2 INCH PITCH, MULTIGUIDE



1/2 INCH PITCH, SIDE GUIDE

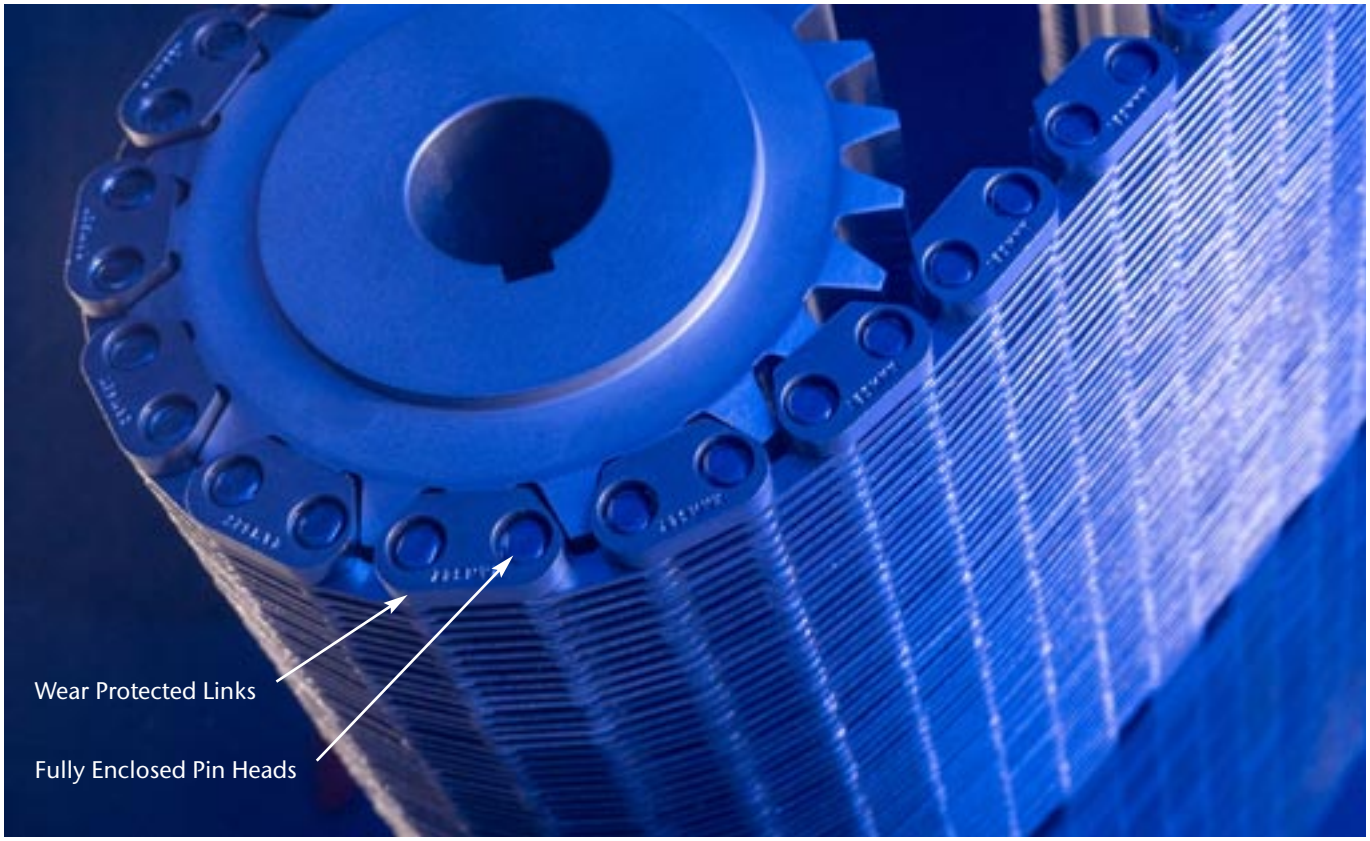


1/2 INCH AND 1 INCH PITCH

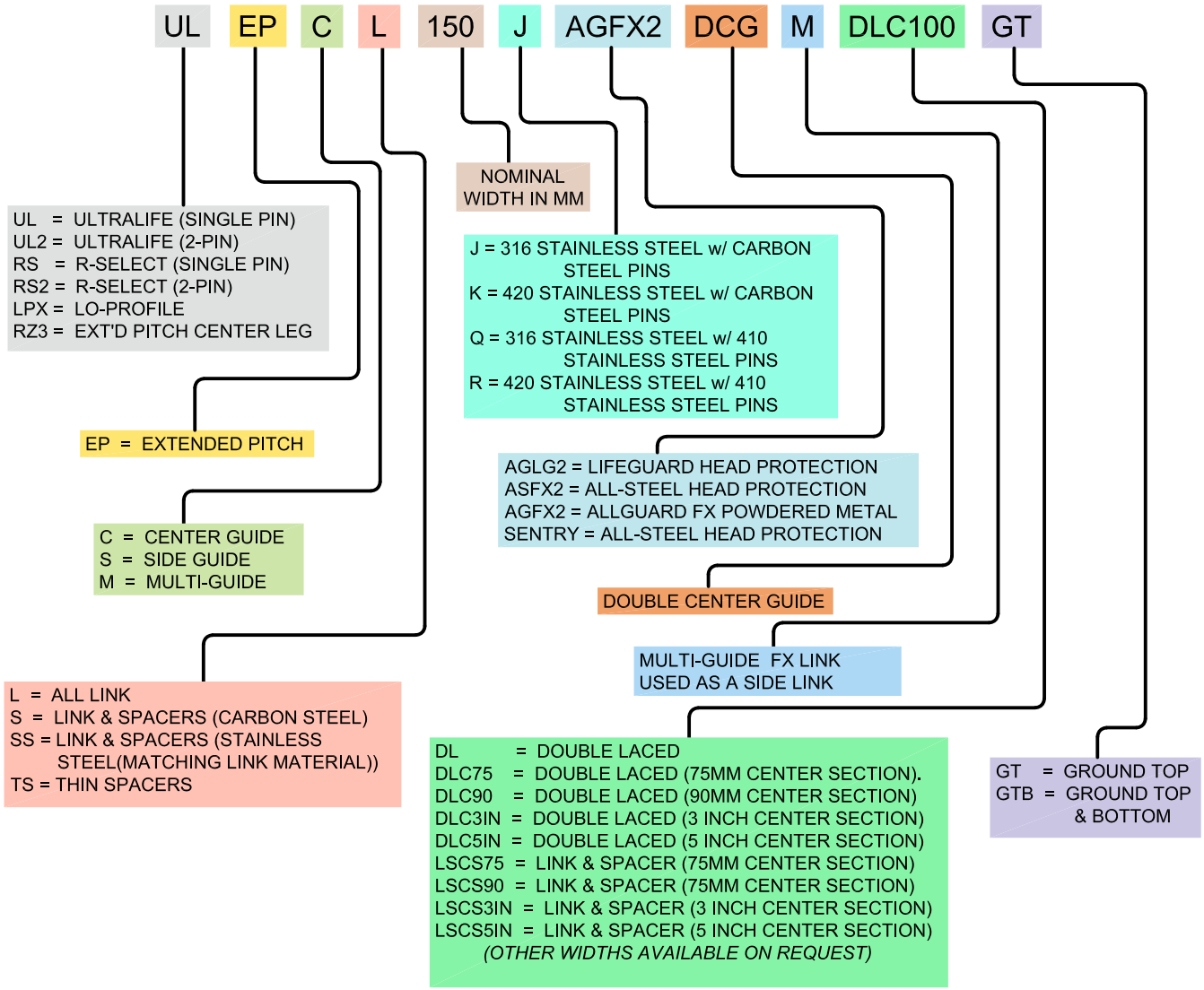
Allguard FX chains are available to replace nearly all side guide, center guide, and multiguide chains. The design of the special Allguard FX links used in each style of chain differs slightly in order to provide the best fit with existing sprockets and conveyor wear plate dimensions. Chains can be selected to operate with existing sprockets, so sprocket modification is not required. All FX chains can be top ground to provide an extra smooth surface finish.

SIZES AVAILABLE TO FIT MOST CONVEYING SYSTEMS

Allguard FX chains are available to accommodate a wide range of conveying systems. They are available in widths ranging from less than 25mm to over 500mm. Chains can be assembled with all links, or with link and spacers, depending on customer preference. Links can also be double stacked within the chain to achieve better air flow and bottle cooling.



Ramsey Conveyor Chain Coding Guide



EXAMPLES:

ULCL100
(CONVEYOR - STANDARD - CENTER GUIDE - ALL LINK - 100MM WIDE)

LPX-SL050
(CONVEYOR - LO PROFILE - SIDE GUIDE - ALL LINK - 50MM WIDE)

ULEPCL150AGLG2
(CONVEYOR - ULTRA LIFE - EXTENDED PITCH - CENTER GUIDE - ALL LINK - 150MM WIDE - LIFEGUARD 2-SIDED)

RSCS150ASFX2
(CONVEYOR - R-SELECT - CENTER GUIDE - LINK & SPACERS - 150MM WIDE - ALL-STEEL FX 2 SIDED)

RZ3CS180SENTRYLSCS100
(CONVEYOR - RZ3 - CENTER GUIDE - LINK & SPACER - 180MM WIDE - SENTRY 2-SIDED - LINK & SPACER CENTER SECTION (100MM)

RAMSEY STAINLESS STEEL CHAINS

ADVANTAGES
Stainless steel conveying chain offers numerous advantages for glass conveying and general industrial conveying.

HIGHER TEMPERATURE CAPABILITY
Allows conveyors to operate at significantly higher average temperatures than carbon steel chains will tolerate.

IMPROVED THERMAL PROPERTIES
Reduces the rate of heat transfer from the chain and may reduce bottle checking.

SUPERIOR CORROSION RESISTANCE
Provides tolerance to chemicals and atmospheres which are unsuitable for carbon steel chains.

316 AND 420 STAINLESS STEEL
Select 316 stainless steel for superior corrosion resistance or 420 stainless for improved resistance to abrasive wear.

HARDENED STAINLESS OR CARBON STEEL PINS
Choose hardened stainless steel pins or less expensive hardened carbon steel pins.

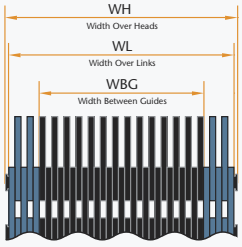
VIRTUALLY UNLIMITED CHAIN CONSTRUCTIONS
Choose from all link, link-spacer, double link, multiguide, or custom chain constructions. We can provide chains with ground links, Lo-Profile links, Extended pitch links, as well as replacements for any competitor's products.

UNIQUE WEAR PROTECTION
Eliminate pin head wear with Allguard FX , All-Steel, or patented Lifeguard protective guard links.

WIDE RANGE OF WIDTHS
Select chain widths ranging from 25 mm to over 380 mm wide.

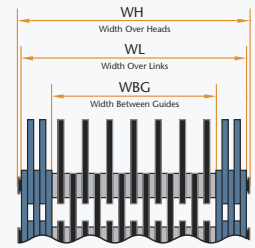
MULTIGUIDE CHAIN ORDERING CHARTS

ALL-LINK ASSEMBLY



ASSEMBLY NUMBER	NOMINAL WIDTH	WL (MAX)	WBG (MIN)	SPROCKET* WIDTH	SINGLE PIN WH (MAX)	SINGLE PIN WEIGHT KG/M	TWO PIN WH (MAX)	TWO PIN WEIGHT KG/M
ML050	50	49.5	25.4	23.9	55.6	3.2	54.6	3.2
ML075	75	76.5	52.6	51.1	83.8	4.7	82.8	4.8
ML100	100	98.5	68.3	66.8	102.2	6.1	102.1	6.7
ML125	125	123.7	96.5	95	127.4	7.5	127.3	8.2
ML150	150	150.2	97.3	95.8	153.4	9.1	153.3	10
ML200	200	196.7	145.3	143.8	200.4	12	200.3	13.1
ML250	250	247.4	196	194.5	251.1	14.9	251	16.3
ML300	300	299.7	245.3	243.8	303.4	18	303.3	19.7

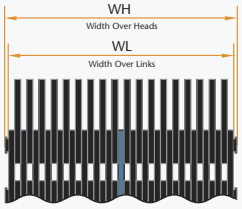
LINK-SPACER ASSEMBLY



ASSEMBLY NUMBER	NOMINAL WIDTH	WL (MAX)	WBG (MIN)	SPROCKET* WIDTH	SINGLE PIN WH (MAX)	SINGLE PIN WEIGHT KG/M	TWO PIN WH (MAX)	TWO PIN WEIGHT KG/M
MS050	50	49.5	25.4	23.9	55.6	2.4	54.6	2.4
MS075	75	76.5	52.6	51.1	83.8	3.5	82.8	3.6
MS100	100	98.5	68.3	66.8	102.2	4	102.1	4.3
MS125	125	123.7	96.5	95	127.4	4.9	127.3	5.3
MS150	150	150.2	97.3	95.8	153.4	5.9	153.3	6.4
MS200	200	196.7	145.3	143.8	200.4	7.7	200.3	8.4
MS250	250	247.4	196	194.5	251.1	9.6	251	10.4
MS300	300	299.7	245.3	243.8	303.4	11.7	303.3	12.7

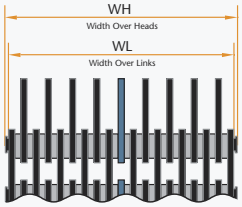
CENTER GUIDE CHAIN ORDERING CHARTS

ALL-LINK ASSEMBLY



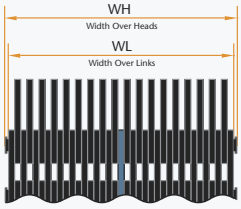
ASSEMBLY NUMBER	NOMINAL WIDTH	WL (MAX)	SPROCKET* WIDTH	SINGLE PIN WH (MAX)	SINGLE PIN WEIGHT KG/M	TWO PIN WH (MAX)	TWO PIN WEIGHT KG/M
CL025	25	23.6	25.4	27.2	1.5	26.2	1.5
CL040	40	37.1	38.1	39.1	2.23	39.4	2.23
CL050	50	49	50.8	52.6	3	51.6	3
CL075	75	74.2	76.2	77.7	4.5	76.7	4.5
CL100	100	91	100	95	5.2	94	5.6
CL120	120	116	120	120	6.6	119	7.1
CL125	125	122	125	126	7	125	7.5
CL140	140	135	140	139	7.7	138	8.2
CL150	150	147	150	151	8.5	150	9.1
CL180	180	175	180	179	10.1	178	10.8
CL200	200	199	200	203	11.4	202	12.2
CL250	250	250	250	254	14.5	253	15.5
CL300	300	300	300	304	17.2	303	18.4

LINK-SPACER ASSEMBLY



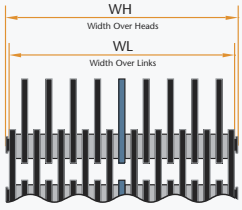
ASSEMBLY NUMBER	NOMINAL WIDTH	WL (MAX)	SPROCKET* WIDTH	SINGLE PIN WH (MAX)	SINGLE PIN WEIGHT KG/M	TWO PIN WH (MAX)	TWO PIN WEIGHT KG/M
CS025	25	23.6	25.4	27.2	1.2	26.2	1.2
CS040	40	36.3	38.1	39.9	1.79	39.4	1.79
CS050	50	49	50.8	52.6	2.2	51.6	2.2
CS075	75	74.2	76.2	77.7	3.3	76.7	3.4
CS100	100	91	100	95	3.5	94	3.7
CS120	120	116	120	120	4.5	119	4.8
CS125	125	122	125	126	4.7	125	5
CS140	140	135	140	139	5.2	138	5.5
CS150	150	147	150	151	5.6	150	5.9
CS180	180	175	180	179	6.7	178	7.1
CS200	200	199	200	203	7.6	202	8.1
CS250	250	250	250	254	9.6	253	10.2
CS300	300	300	300	304	11.4	303	12.1

ALL-LINK ASSEMBLY, EXTENDED PITCH



ASSEMBLY NUMBER	NOMINAL WIDTH	WH (MAX)	WL (MAX)	SPROCKET* WIDTH	WEIGHT KG/M
CL025	25	27.9	25.4	25.4	1
CL040	40	37.3	34.8	38.1	1.3
CL050	50	51.6	49	50.8	1.9
CL075	75	80.3	77.7	76.2	3
CL100	100	95.7	92	100	3.3
CL125	125	126.6	123	125	4.4
CL140	140	138.5	134.9	140	4.8
CL150	150	150.4	146.8	150	5.2
CL200	200	199.3	196.1	200	7.1
CL300	300	304.3	300.6	300	10.7

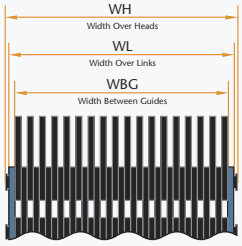
LINK-SPACER ASSEMBLY, EXTENDED PITCH



ASSEMBLY NUMBER	NOMINAL WIDTH	WH (MAX)	WL (MAX)	SPROCKET* WIDTH	WEIGHT KG/M
CS025	25	30.2	26.7	25.4	0.9
CS040	40	41.1	37.6	38.1	1.2
CS050	50	53.6	50	50.8	1.6
CS075	75	80	76.5	76.2	2.2
CS100	100	95.7	92	100	2.4
CS125	125	126.6	123	125	3.2
CS140	140	138.5	134.9	140	3.5
CS150	150	150.4	146.8	150	3.8
CS200	200	199.3	196.1	200	5.1
CS300	300	304.3	300.6	300	7.6

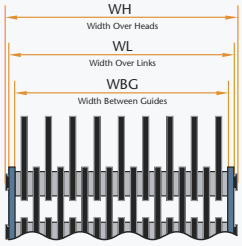
SIDE GUIDE CHAIN ORDERING CHARTS

ALL-LINK ASSEMBLY



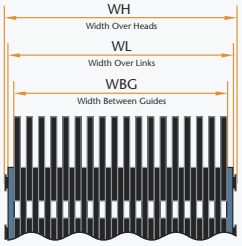
ASSEMBLY NUMBER	NOMINAL WIDTH	WL (MAX)	WBG (MIN)	SPROCKET* WIDTH	SINGLE PIN WH (MAX)	SINGLE PIN WEIGHT KG/M	TWO PIN WH (MAX)	TWO PIN WEIGHT KG/M
SL025	25	22.6	19.6	18	27.2	1.5	26.2	1.5
SL040	40	40.1	37.8	36.3	45.2	2.23	45.2	2.23
SL050	50	46.5	43.4	42	52.6	3	51.6	3
SL075	75	70.6	67.6	66	77.7	4.5	76.7	4.5
SL100	100	102.2	99.2	97.7	105.9	6.1	105.8	6.5
SL120	120	115.2	112.2	110.7	118.9	6.8	118.8	7.3
SL125	125	128.7	125.7	124.2	132.4	7.5	132.3	8
SL140	140	138.7	135.7	134.2	142.4	8.2	142.3	8.8
SL150	150	152.8	149.8	148.3	156.5	9	156.4	9.6
SL180	180	174.5	171.5	170	178.8	10.2	178.7	10.9
SL200	200	202.7	199.7	198.2	206.4	11.9	206.3	12.7
SL250	250	256.1	253.1	251.6	259.8	15.1	259.7	16.2
SL300	300	303.3	300.3	298.8	307.0	17.8	306.9	19

LINK-SPACER ASSEMBLY



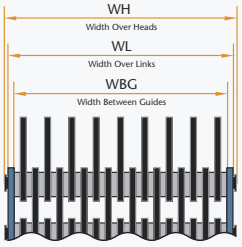
ASSEMBLY NUMBER	NOMINAL WIDTH	WL (MAX)	WBG (MIN)	SPROCKET* WIDTH	SINGLE PIN WH (MAX)	SINGLE PIN WEIGHT KG/M	TWO PIN WH (MAX)	TWO PIN WEIGHT KG/M
SS025	25	22.6	19.6	18	27.2	1.2	26.2	1.2
SS040	40	40.1	37.8	36.3	45.2	1.79	45.2	1.79
SS050	50	46.5	43.4	42	52.6	2.2	51.6	2.2
SS075	75	70.6	67.6	66	77.7	3.3	76.7	3.4
SS100	100	102.2	99.2	97.7	105.9	4	105.8	4.3
SS120	120	115.2	112.2	110.7	118.9	4.5	118.8	4.8
SS125	125	128.7	125.7	124.2	132.4	5	132.3	5.4
SS140	140	138.7	135.7	134.2	142.4	5.4	142.3	5.8
SS150	150	152.8	149.8	148.3	156.5	5.9	156.4	6.3
SS180	180	174.5	171.5	170	178.8	6.7	178.7	7.2
SS200	200	202.7	199.7	198.2	206.4	7.8	206.3	8.3
SS250	250	256.1	253.1	251.6	259.8	9.9	259.7	10.6
SS300	300	303.3	300.3	298.8	307	11.6	306.9	12.4

ALL-LINK ASSEMBLY, EXTENDED PITCH



ASSEMBLY NUMBER	NOMINAL WIDTH	WH (MAX)	WL (MAX)	WBG (MIN)	SPROCKET* WIDTH	WEIGHT KG/M
SL025	25	28.2	23.6	20.6	19	1
SL038	38	42.4	38.9	35.8	34.3	1.3
SL050	50	51.8	48.3	45.2	43.7	1.9
SL075	75	80.3	76.7	73.7	72.1	3
SL100	100	105.9	102.2	99.2	97.7	3.8
SL125	125	132.4	128.7	125.7	124.2	4.7
SL140	140	142.4	138.7	135.7	134.2	5.1
SL150	150	156.5	152.8	149.8	148.3	5.6
SL200	200	201.8	196.9	194.5	193	7.1
SL300	300	307	303.3	300.3	298.8	11

LINK-SPACER ASSEMBLY, EXTENDED PITCH



ASSEMBLY NUMBER	NOMINAL WIDTH	WH (MAX)	WL (MAX)	WBG (MIN)	SPROCKET* WIDTH	WEIGHT KG/M
SS025	25	27.7	23.1	20	18.5	0.9
SS038	38	40.6	35.6	32.5	31	1.2
SS050	50	55.9	50.3	47.2	45.8	1.6
SS075	75	79.2	72.6	69.6	68	2.2
SS100	100	105.9	102.2	99.2	97.7	2.5
SS125	125	132.4	128.7	125.7	124.2	3.2
SS140	140	142.4	138.7	135.7	134.2	3.3
SS150	150	153.4	149.7	146.7	145.2	4
SS200	200	201.8	196.9	194.5	193	4.9
SS300	300	307	303.3	300.3	298.8	7.2

ASSEMBLIES SHOWN ARE FOR ULTRALIFE, ULTRALIFE EXTENDED PITCH AND LO-PROFILE

* +0.0/-2.0% Tolerance
Note: Unless indicated, all dimensions are in millimeters

R-Select™

THE R-SELECT™ ADVANTAGE: WEAR RESISTANCE, WHERE YOU NEED IT MOST

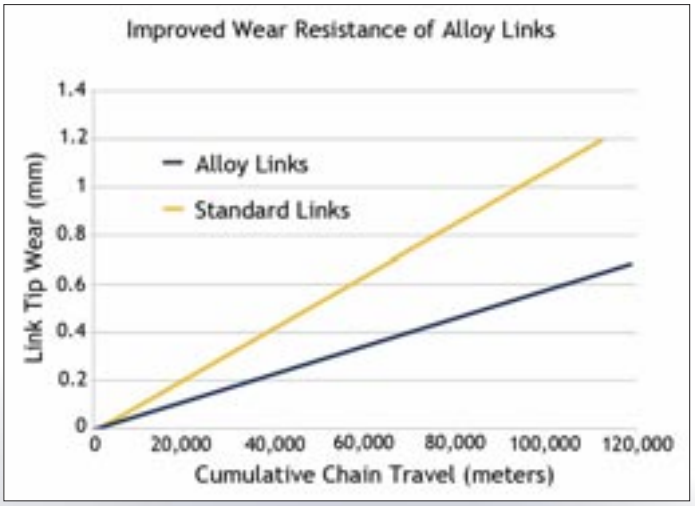
Over the years, customers have asked us if we could make conveying chains using wear resistant materials and also keep the chain cost down. R-Select chains are Ramsey's patented solution to this customer request.

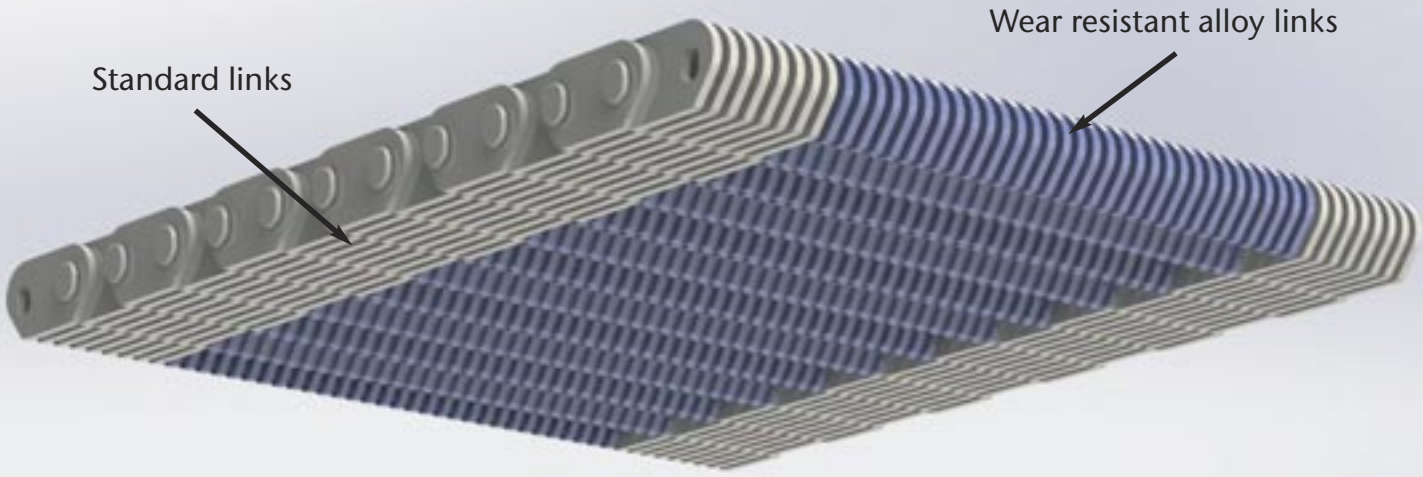
R-Select chains put hardened, highly wear resistant chromium alloy links in the parts of the chain which are expected to wear the most. Other parts of the chain, which are less subject to wear, are made with standard, heat treated steel links. Because, the chain is not made entirely of the more costly wear resistant links, the overall cost of the chain can be as little as 20% more than the cost of a standard chain. Alternatively, those customers who are looking for optimum wear characteristics, and are less concerned about the added cost, can have chains made entirely from wear resistant alloy links.

With R-Select, you choose where in your chain you want to enhance wear resistance. For example, someone who uses 6" wide all link multiguide chain on their cross conveyor may find that the link tips in the central portion of the chain wear more rapidly than the guide links on the outside edges of the chain. Over time, this can create an unwanted dip in the middle of the chain which may interfere with product handling. To prevent this problem, R-Select allows the customer to specify the central portion of the chain be made of wear resistant alloy links. The rest of the chain will be made from standard heat treated links and all the chain dimensions will remain the same as before. The result is a wear resistant chain that is fine tuned for this particular application, at only a slightly higher cost.

Almost any style of Ramsey conveying chain can be made using the R-Select process. This includes single pin and two pin chains, chains with or without spacers, side guide, center guide, or multiguide chains. Lifeguard and Allguard FX chains can also be customized with R-Select to achieve optimum wear resistance.

IMPROVED WEAR RESISTANCE OF ALLOY LINKS





Patented in the USA and Europe

RKO Ramsey Knock Out Tool®

THE RKO TOOL® ADVANTAGE: SAVE TIME CONNECTING AND DISCONNECTING CHAINS

Connecting and disconnecting conveying chains can be tedious and time consuming. This is especially true with wear protected chains like Sentry, Lifeguard, All-Steel, and Allguard FX, where pin heads are recessed below chain link surfaces. Ramsey engineers have come up with a solution for this problem, the Ramsey RKO tool.

QUICK AND EASY DISCONNECTION

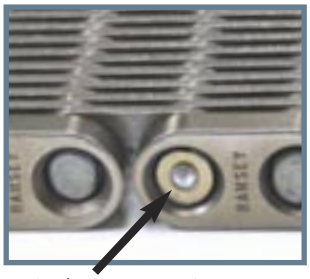
The RKO tool, or "Ramsey Knock Out" tool, is designed to quickly and easily remove pins wherever a chain must be disconnected. Simply place your chain on the tool and turn the ram screw until the pin head breaks away. The pin can then be easily removed and the chain is disconnected.

THREE DISTINCT WORK STATIONS

- The first station of the RKO tool uses a ram screw to remove the pin head.
- Second station maintains link alignment for easy pin removal or new pin insertion.
- Third station provides for insertion of drive pin chain connector.

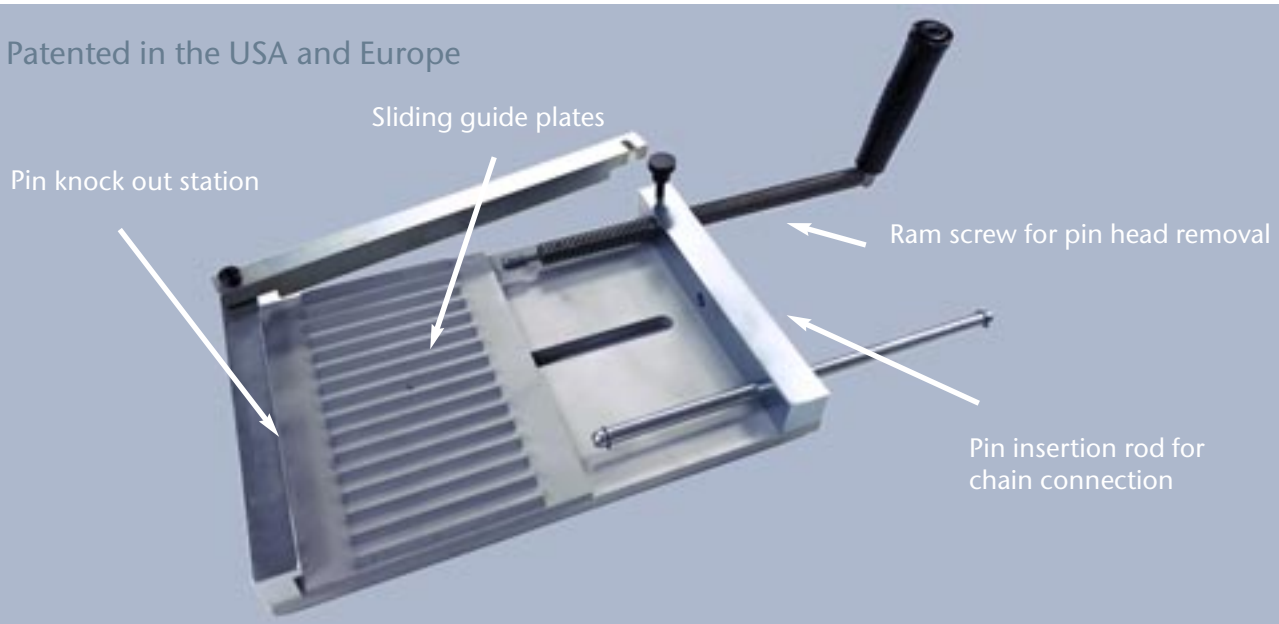
TROUBLE-FREE CONNECTION

During reconnection of the chain, the RKO tool maintains chain link and spacer alignment to make inserting a drive pin simple. In addition, the tool provides an easy method for heading the pin during chain connection.



RKO chain onnection

Patented in the USA and Europe



Reminder: For use with Allguard FX, Lifeguard and All-Steel chains. Standard conveyor chain connecting parts, that are pre-headed on one end and annealed on the other end, cannot be installed with the RKO tool. Pre-drilled connecting parts sets must be used with the RKO tool.

RKO chain connections are made fast and easy with the use of pre-drilled conveyor connecting pins and tough, heat treated washers and drive screws. To use this type of connection, be sure to order pre-drilled connecting parts sets for the chain that you wish to connect. If you prefer to use standard annealed type connecting pins, you can still use the RKO tool to disconnect chain, and the tool's toothed guide plates will help maintain link and spacer alignment during the connecting process. Just remember, with standard connecting pins you will still need to peen the ends of the connecting pins with a hammer.

RKO tools are equipped with modular guide plates that allow the tool to be adapted to almost any Allguard FX, Lifeguard, or All-Steel chain. Just specify which type of chain you are using and the RKO tool will be delivered already set up to fit your exact chain. Alternatively, you can order the modular guide plates individually, and configure the tool for any chains that you wish.

Sprockets

All Ramsey Wear Protected conveyor chains, both 1/2 inch pitch and 1 inch extended pitch, operate on sprockets cut with a 1/2 inch pitch tooth profile. Sprockets are typically manufactured from medium carbon, alloy steel and are heat treated to provide hardened tooth surfaces. Materials, other than steel, are available upon request.

Sprockets can be fully machined with finished bore and set screws, or they can be supplied with an unfinished bore to allow further machining. Specialized machining is available to accommodate a customer's exact specifications.

Sprocket Tooth profiles are cut to established standards to assure proper meshing of the sprocket and chain. Chain and sprocket dimensions must be compatible for proper operation. We recommend purchasing chain and sprockets from the same source.

ORDERING RAMSEY CHAIN FOR THE FIRST TIME?

When placing an initial order, or replacing another style of chain with Ramsey chain, we recommend that you contact a Ramsey customer service representative. They will assist you in determining which chain best fits your application. It will be helpful if you have the part number, length, and a description of the chain that you usually buy.

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sales@ramseychain.com

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euro.sales@ramseychain.com