Specialty Chains

Solve Special Material Handling Problems

Union is proud to offer Specialty Conveyor Chains from U.S. Tsubaki for conveying applications that run in extreme conditions. Sanitation systems; flow conveyors; grain, cement, or adhesive powder conveyors; and auto assembly plants are just a few of the operations that require special chains. Our Specialty Conveyor Chains are designed and manufactured to meet the needs of a variety of continuous and intermittent material handling applications when belt, screw, or pneumatic conveyors are not appropriate.

Specialty Conveyor Chains provide high strength, accurate handling, and minimal wear elongation. In fact, they are superior to any other kind of conveyor equipment.

Conveyor Chains for Special Applications

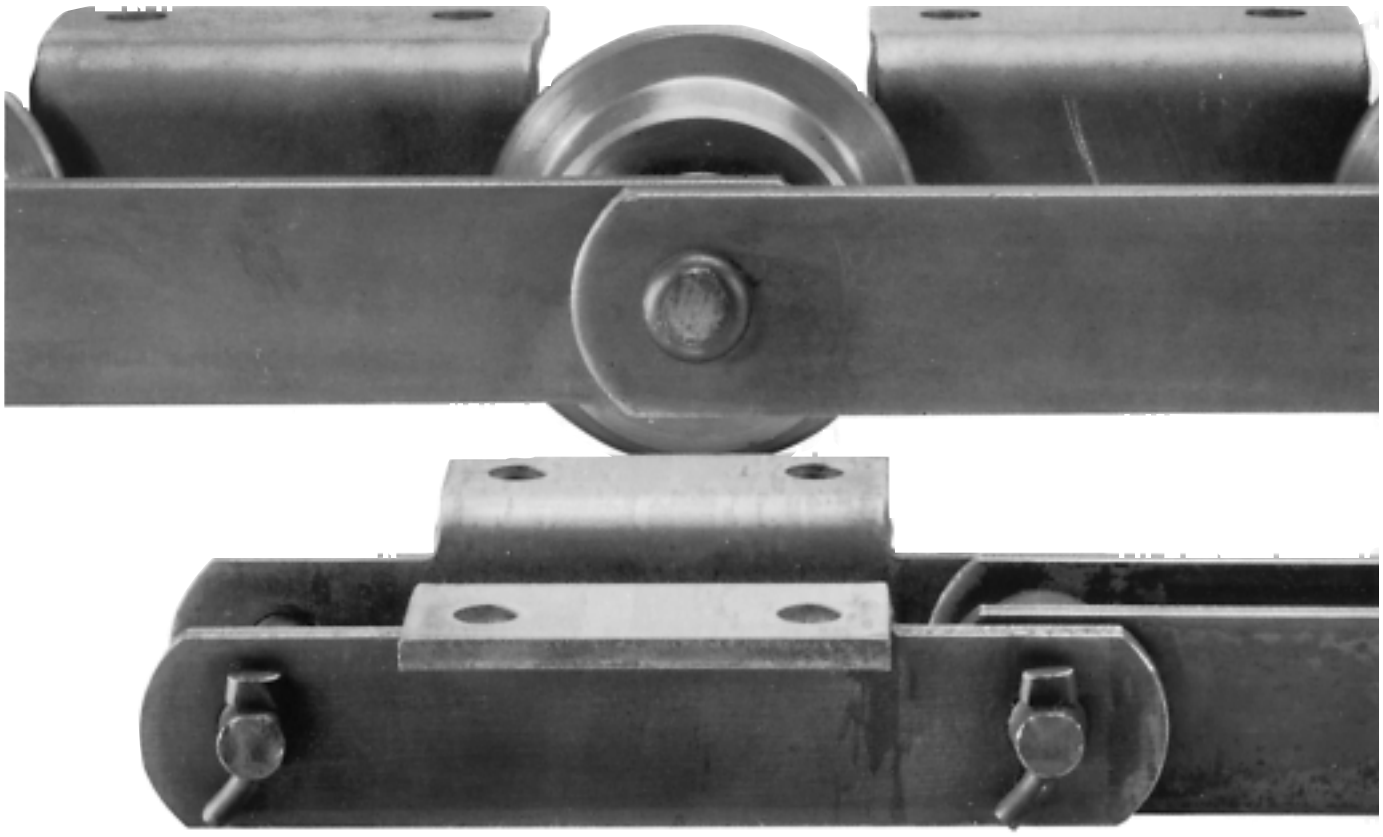
Smooth and stable flow of material depends on the performance of your conveyor chain. Even a simple conveying system will not run smoothly and provide stable on-line loads without the proper chain. To move raw materials or heavy bulk items or to operate in extreme conditions, rely on Specialty Conveyor Chains to get the job done.

Built to Work in Your Applications

Specialty Conveyor Chains are built to last in the most challenging conditions. In fact, we build the quality into every step.

- Materials are selected to stand up to extreme temperatures and shock loads.
- Each chain is manufactured to tight tolerances to ensure the highest standards.
- Components are finely finished and accurately assembled to provide high wear resistance and top performance for long periods.

When the going is tough—choose Specialty Conveyor Chains from U.S. Tsubaki.



Types of Specialty Conveyor Chains

DT (Basic) Series
The pins and bushings are heat-treated and hardened for high wear resistance. The link plates are made of carbon steel and can be welded to attachments easily. The chains in this series are suitable for handling a wide variety of materials. DT (Basic) Series chain offers versatility and economy for your operation.

AT Series
All parts, mainly produced from special alloy steels, are heat-treated for higher tensile strength and better wear resistance. Average tensile strength of AT Series chain is about twice as high as the DT (Basic) Series. Link plates are all heat-treated and hardened.

AT Series chain is suggested for compact conveyor designs and when high wear resistance of link plates and long chain service are required.

PT Series
All parts are made of ANSI 400 Series stainless steel and are heat-treated and hardened. PT Series chain is suggested for corrosive or abrasive applications.

ST Series
All parts are made of 18-8 stainless steel (ANSI 300 Series). This chain is suggested for strong acid/alkali applications and very hot or sub-zero environments.

CT Series
CT Series chain is ideal for handling hard abrasive materials such as cement.

BT Series
BT Series chain has higher tensile strength than CT Series. The wear resistance of BT Series chains is much greater than that of the AT Series.

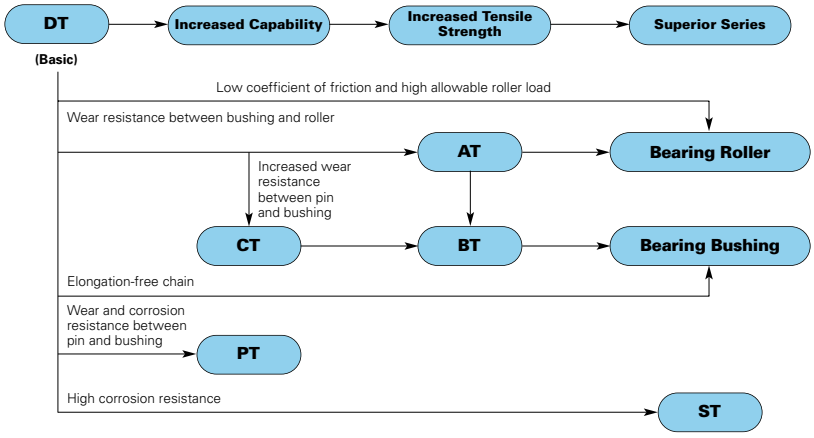
Other
We offer a wide variety of made-to-order combinations of steel materials and heat-treatments to create the chain you need for your application. Contact Union Chain for details.

Component Parts

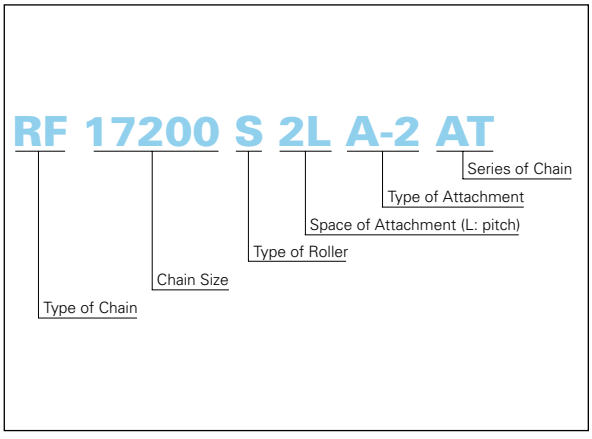
Chain Series	Component Parts[1]					
	Link Plate	Pin	Bushing	"R" Roller	"F" Roller	"S" Roller
DT (Basic)	Car	Aly-TH	Car-CH Aly-TH	Car CI	Car CI	Car-CH Aly-TH
AT	Aly-TH	Aly-TH	Aly-CH Aly-TH	Aly-TH Car-IH	Aly-TH Car-IH	Aly-TH
PT	S4-TH	S4-TH	S4-TH	S4-TH	S4-TH	S4-TH
ST	S3	S3	S3	S3	S3	S3
CT	Car	Aly-CH Aly-TH-IH	Car-CH Aly-TH	Aly-TH Car-IH	Aly-TH Car-IH	Car-CH Aly-TH
BT	Aly-TH	Aly-CH Aly-TH-IH	Aly-CH Aly-TH	Aly-TH Car-IH	Aly-TH Car-IH	Aly-TH

[1]Materials: Car = Carbon steel; Aly = Alloy steel; CI = Cast iron; S3 = 300 Series stainless steel; S4 = 400 Series stainless steel.
Heat-Treatments: TH = Through-hardened; CH = Case-hardened; IH = Induction-hardened.

Feature Diagram for RF Conveyor Chain Series



Model Identification



To locate compatible sprockets for your chain, refer to the Product Cross-Reference in Section D.

Note: Dimensions are subject to change. Contact Union Chain to obtain certified prints for design and construction.