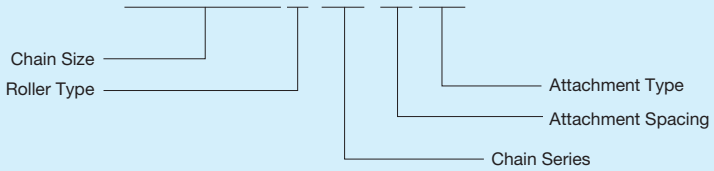
General Use, Wear Resistant/Heavy Duty, and Corrosion Resistant Large Size Conveyor Chain

DT Series	**(General Use Large Size Conveyor Chain)**
GT, CT, AT, BT Series	**(Heavy Duty Large Size Conveyor Chain)**
MT, RT, DS, VT, YT, GS, SS, NEP Series	**(Corrosion Resistant Large Size Conveyor Chain)**

Ordering General Use, Wear Resistant/Heavy Duty, and Corrosion Resistant Conveyor Chain

Chain Numbering Example

RF03075R-AT-1LA2



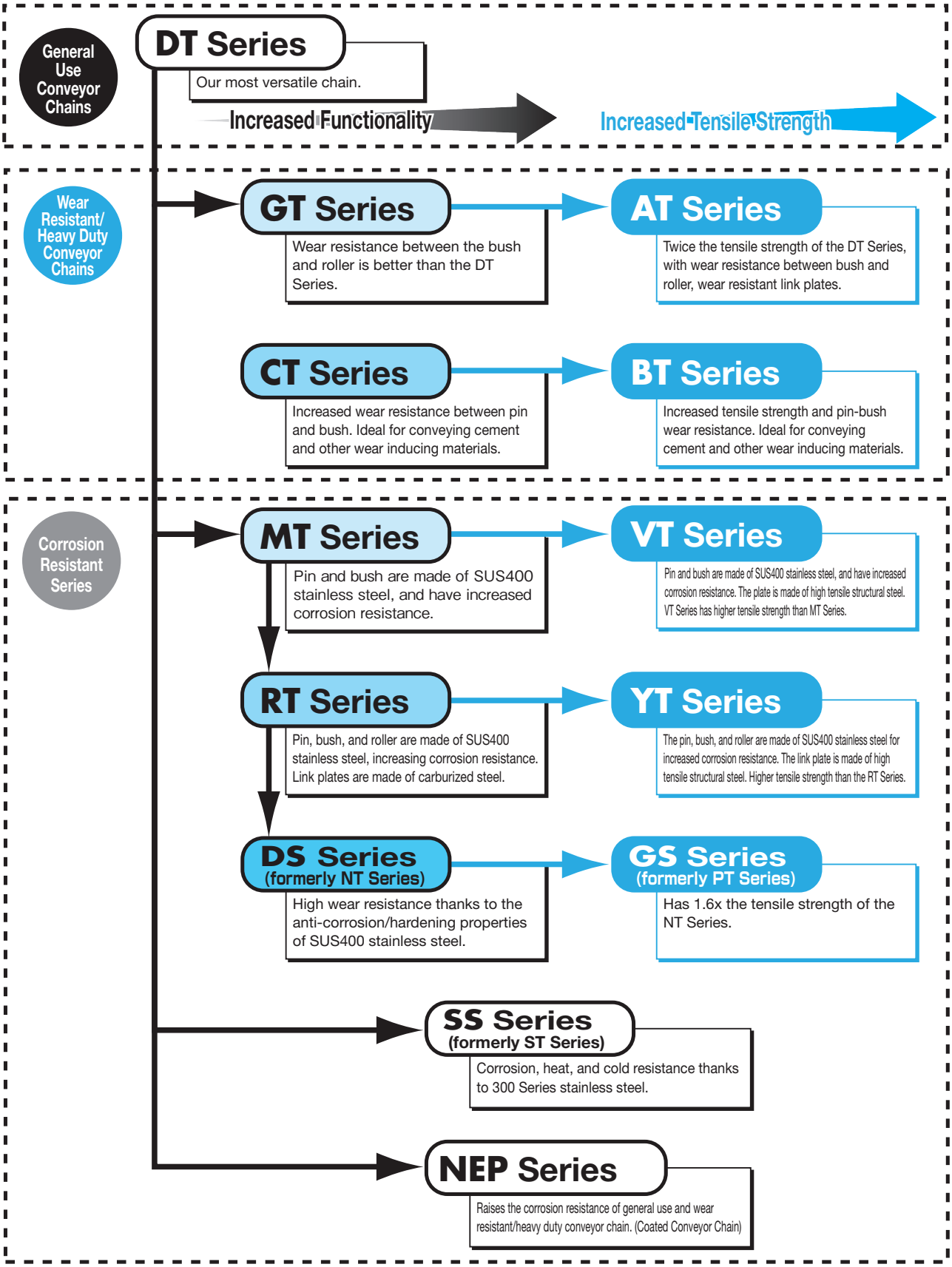
Ordering Example

Chain Size= RF03, Pitch= 75mm, Roller Type= R
Material Specification= AT Series
Attachment Spacing/Type= A2 every link
Quantity= 400 links

Chain Number	Quantity	Unit
RF03075R-AT-1LA2	400	L

Tsubaki's Wide Selection of Large Size Conveyor Chains

Tsubaki Conveyor Chain is made from carbon steel, high tensile structural steel, or stainless steel (300/400 Series) parts to satisfy any application.



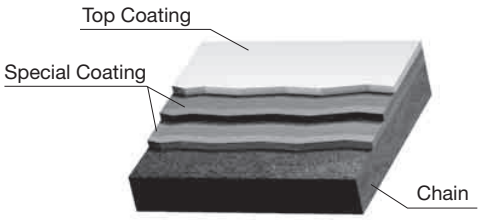
NEP Conveyor Chain

Tsubaki coated conveyor chains are surface coated chains with increased resistance to corrosion and peeling.
In order to reduce our environmental load, our NEP Chain coating contains no hazardous chemicals, such as hexavalent chromium or lead. (Complies with RoHS Directive.)

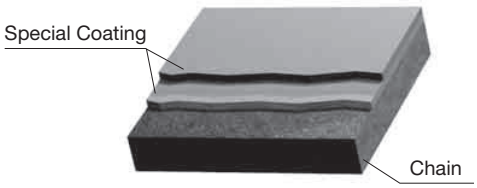
TSUBAKI ECO LINK

●NEP Series (Pat. Pend.)

NEP Series features an optimal two-layer durable coating on each of its parts. (See below.)
The special coating protects the base chain from corrosive environments, making it highly resistant to corrosion.



Parts Coated: Pin, Bush, Plates



Parts Coated: Roller

Specifications

Available Sizes	Standard sizes, RF03 – RF17 (Sizes other than above are made-to-order items)
Chain Specifications	NEP coating can be applied to any chain series, regardless of the material of the base chain. Stainless steel chains with NEP coated parts are also possible. *Corrosion resistance will be only increased by half for NEP coated SUS400 series stainless steel chains.
Ambient Temperature	-20°C to 200°C
Color	Silver

Features

- Chrome free-environmentally friendly
- Superior rust resistance
- Low temperature treatment for no loss of strength
- Deviation-free individual part treatment

Applications

Outdoor lines, cleaning lines, water cooling lines, and other environments where chain is subjected to freshwater or seawater.

*Provides some chemical resistance to the base chain. Refer to Table 13 Corrosion Resistance to Various Solvents for more information.

⚠ Wear dust may contaminate food products if they come in direct contact with the chain. Do not use in food applications.
In non-food applications as well, if used in environments where flakes from peeling or wear dust will be a problem, cover the chain appropriately or Contact a Tsubaki representative about chain selection.

Caution

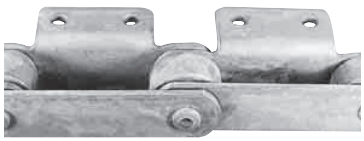
Some usage conditions may strip the coating from the sliding or rotating surfaces, lowering the chain's corrosion resistance.

Selection

Refer to the "Selection" section for chain selection.

Saltwater Spray Test Results

NEP Series
120 hours - No noticeable change



Nickel Plated Conveyor Chain
120 hours - Corroded

Zinc Plated Conveyor Chain
120 hours - Corroded

Ordering NEP Conveyor Chain

● Chain Numbering Example

RF03075R-AT-NEP-1LA2

- RF03075R: Chain size
- R: Roller type
- AT: Series
- NEP: NEP coating
- 1: Attachment spacing
- LA2: Attachment type

● Ordering Example

Chain size= RF03, Pitch= 75mm, Roller type= R
Chain series= AT Series, Surface treatment= NEP coating
Attachment spacing/type= A2 every link, Quantity= 100 links

Chain number	Quantity	Unit
RF03075R-AT-NEP-1LA2	400	L

■ Caution during Use

Using a steel chain with a stainless steel sprocket may cause galvanic corrosion under some conditions, accelerating wear of the roller. Avoid combining steel chain with stainless steel sprockets wherever possible.