

# Tsubaki Heavy Duty Drive Chain

## NEW G8 Series release

The pursuit of higher performance has helped Tsubaki create stronger, longer lasting chain. Heavy Duty Drive Chain has a higher maximum allowable load and higher minimum tensile strength than standard RS Roller Chain.



100th Anniversary Model  
**TSUBAKI G8 SERIES**



The rebirth of the drive chain,  
 with improved quality and performance.



### Super Chain

- 5 - 10% higher max. allowable load



### Super H-Chain

- 20% higher max. allowable load

#### Ring Coining

Higher fatigue strength thanks to Tsubaki's unique ring coining



### RS-HT Chain

- 2x the wear life
- Available with slip-fit connecting links



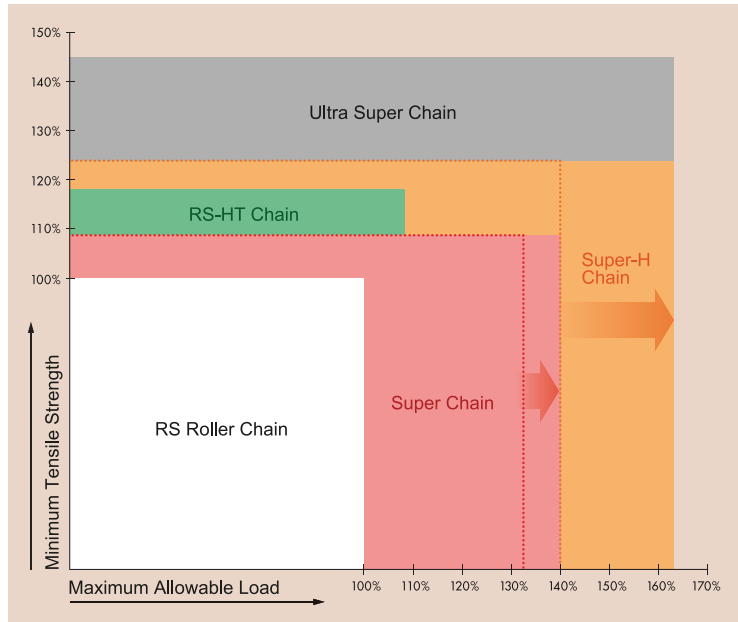
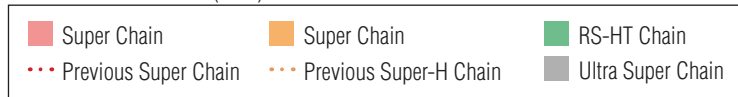
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## Comparison of minimum tensile strengths and max allowable loads.

Note: With RS Roller Chain min tensile strength and max allowable load as benchmark (100%)



## Applications

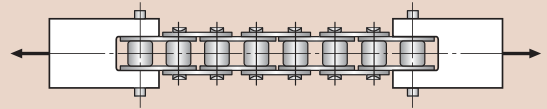
- Agricultural machines
- Excavators / loaders
- Drill rigs
- Mobile port cranes
- Mining machines



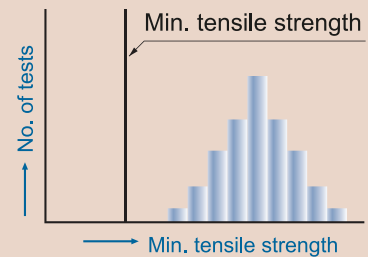
## Minimum Tensile Strength

Five or more links of a roller chain are attached to jigs on either side (as shown in the image below) and then pulled until breakage. This test is conducted numerous times, and the minimum value statistically derived is the minimum tensile strength. Any roller chain that breaks at a load lower than the minimum tensile strength is considered non-conforming.

Tensile strength test



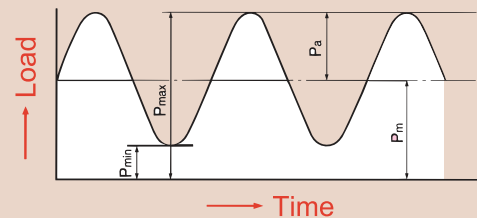
Relationship between test results and min. tensile strength



## Max. Allowable Load & Fatigue Strength

A roller chain's maximum allowable load is the lower limit of its fatigue strength (except for stainless steel chains). A roller chain will not suffer fatigue breakage at a load lower than this value, even if the load is repeatedly applied.

Concept of Fatigue Load



Contact your local distributor for more details



Scan Here to find out more about the NEW G8 Series



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