

# We Stay Connected

Tsubaki is committed to providing premium chain that is ahead of competition.

We want you to have a peace of mind when you use our chain.

The purpose of a chain can only be achieved if it stays connected.

And we want to stay connected with you too.



## Chain Products

**CONTENTS**

- Why Tsubaki? . . . . . 1
- Conveyor Chains . . . . . 3
- ANSI Roller Chains . . . . . 7
- New Chain Products . . . . . 16
- Power Transmission Units and Components . . . . . 19

### TSUBAKI PALM OIL MILL CHAIN

Contrary to popular belief, tensile strength is not the only parameter used to judge a palm oil mill chain. In fact it is **NOT** the most important parameter. A more important feature, called **WEAR RESISTANCE** is more critical when a palm oil mill chain is to be selected.

### WHY ?

Because safety factor has been taken into consideration at design stage and when a chain is selected, it means that the tensile strength of the chain meets that of the design value. So there is no necessity to use a chain with much higher tensile strength than the design value.

On the other hand, the understanding of **WEAR RESISTANCE** is more complex. First of all, it does not have a unit of measurement (such as KN, kgf or lbf in tensile strength). The measurement is simply chain elongation measured in terms of percentage of elongation (amount of elongation to the original chain length expressed in percentage). So the smaller percentage means a better chain used in the same period of time. Generally, a conveyor chain needs replacement when it reaches 2 % elongation. The most important measurement is therefore how long before a chain reaches its life span of 2 % elongation.

### WHY Tsubaki ?

Tsubaki not only work on tensile strength but wear resistance as well. We have made Tsubaki the world's leading chain manufacturer by using our advanced manufacturing technology and selecting the right materials.

### TSUBAKI'S TECHNICAL ADVANTAGES

1. **Super Wear Resistant (SWR)** for longer wear life.
2. Higher Tensile strength per unit length of chain weight. This compact design gives efficient energy consumption and space saving.
3. High roller diameter to pin diameter ratio gives smoother roller rotation.