

# Matching and Tagging:

High Accuracy, Narrow Tolerance

When chains have to run in parallel for conveying purposes it is very important that chains travel and wear evenly otherwise it will throw the application out of alignment producing flawed and defective output.

In this case it is critical to have the chains ordered as a set. Generally, if the conveyor chains are made in the same lot, the relative differences in length will vary only slightly. Tsubaki is able to supply chains with specific length tolerance, or even pairs and multiple chains length matched and tagged in the same way for easy identification and installation.

The tolerance of the overall chain length depends on the chain type and the appropriate international standard:

SINGLE PITCH CHAIN		
BS Single Pitch Roller Chain	ISO 606	0% to +0.15%
BS Single Pitch Attachment Chain	ISO 606	0% to +0.15%
ANSI Single Pitch Roller Chain	ANSI	0% to +0.15%
ANSI Single Pitch Attachment Chain	ANSI	0% to +0.30%
DOUBLE PITCH CHAIN		
ANSI Double Pitch Roller Chain	ANSI	0% to +0.13%
ANSI Double Pitch Attachment Chain	ANSI	0% to +0.25%

Tsubaki chain length tolerances are very narrow by nature; Tsubaki chain coming from the same production lot will comply with these tolerances as a standard. The figure below shows the amount of variation for several types of chain chosen at random from the same production lot.

CHAIN LENGTH (m)	MATCHED TOLERANCE (mm)
< 14m	< 3 mm
14 ~ 30 m	< 4 mm
30 ~ 44 m	< 5 mm

For more information, contact Tsubaki.