DIAMOND DRIVES
BY TIMKEN

MATCHING & TAGGING OF CHAINS

Class 1 – Measure, Match & Tag

All chain strands[1] are assembled as multiple sections of 10 feet (3.05 m) or less[2], measured, and tagged with that measurement. These sections are arranged to incorporate a parallel and and consecutive match.

- Parallel: The sections are assembled such that sections directly across from each other have a difference of less than 0.030 in (0.76 mm).

- Consecutive: The chains are arranged such that a "short" section is not directly assembled to a "long" section. This results in having a difference between matched strands for any given total lengths) of less than 0.030 in (0.76 mm).

  Note: Strands[1] less than 5 feet (1.52 m) will be matched to 0.006 in/ft (0.50 mm/m).
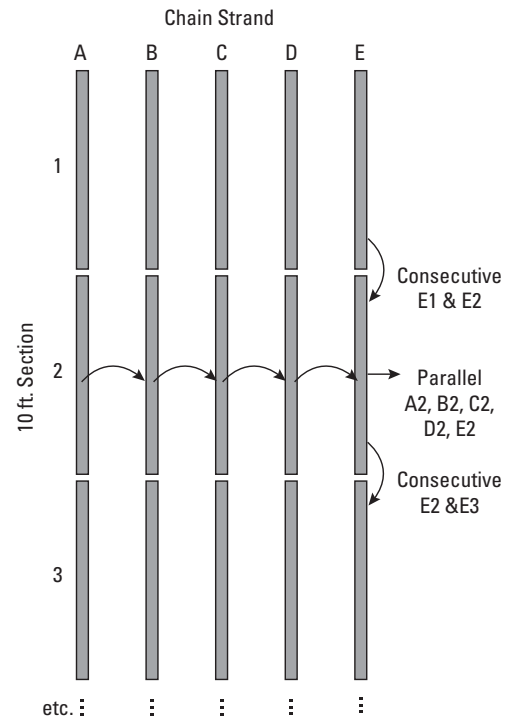
Class 2 – Measure, Match & Tag (Premium)

All chain strands[1] are assembled as multiple sections of 10 feet (3.05 m) or less[2], measured, and tagged with that measurement. These sections are arranged to incorporate a parallel and and consecutive match.

- Parallel: The sections are arranged such that sections directly across from each other have a difference of less than 0.020 in (0.51 mm).

- Consecutive: The chains are arranged such that a "short" section is not directly assembled to a "long" section. This results in having a difference between matched strands (for any given total lengths) of less than 0.020 in (0.51 mm).

  Notes:

  1) Strands[1] less than 10 feet (3.05 m) will be matched to to 0.002 in/ft (0.17 mm/m).

  2) Customer specified match over and above what is specified in this document will be classified as Class 2

Fig. 7. Matching and tagging of chains.

All match/tag chains are within ANSI standard length tolerances. Matching measured sections (10 feet (3.05 m) or shorter sections) ensures that attachments are aligned across the parallel chain stands. This optimized match also results in parallel strand lengths being extremely close to one another.

All match/tag chains are built using special procedures to select or make the parts and assemble the chain to ensure the least amount of variance between strands. Reference to "short" or "long" sections simply refers to the minimum and maximum side of that particular batch length range.

[1] Strand: total chain length
[2] Section: part of the total chain length – 10 ft (3.05 m) long or less