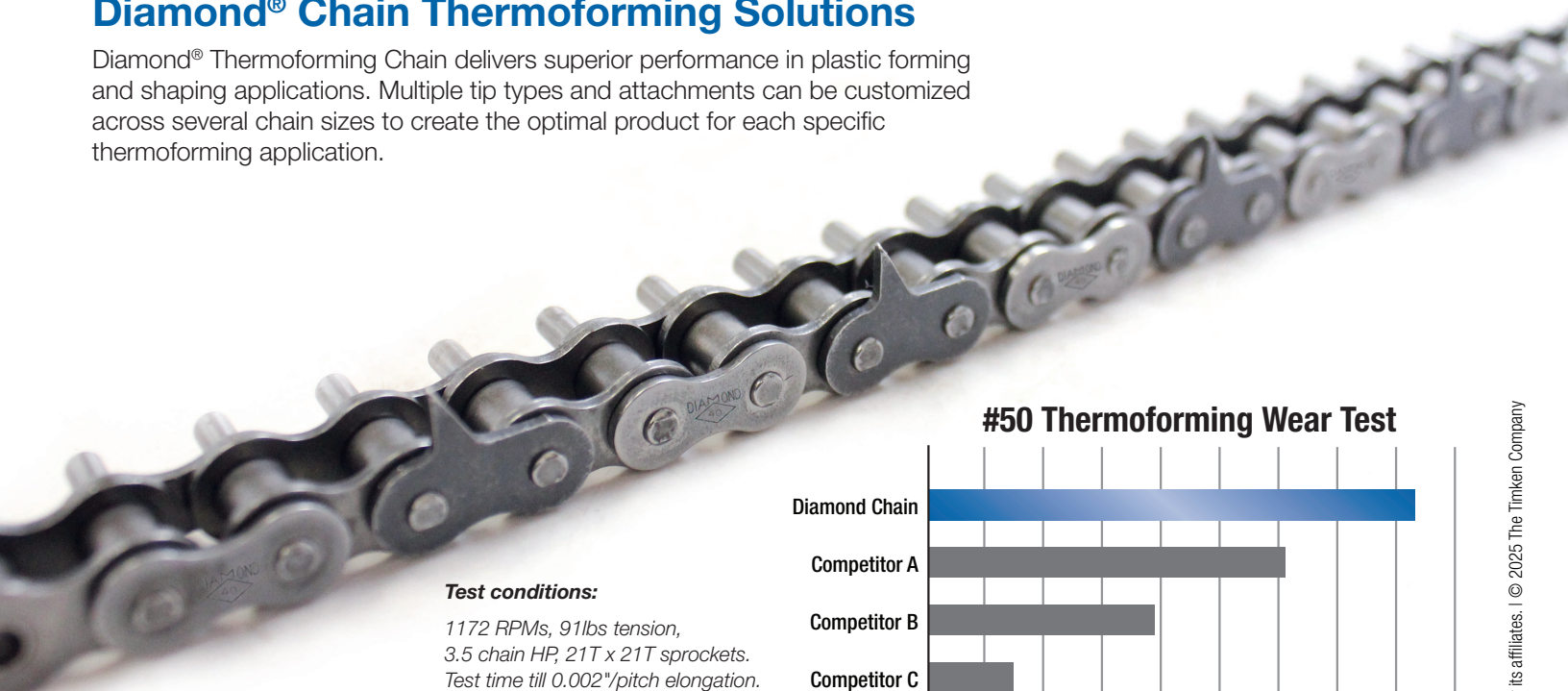
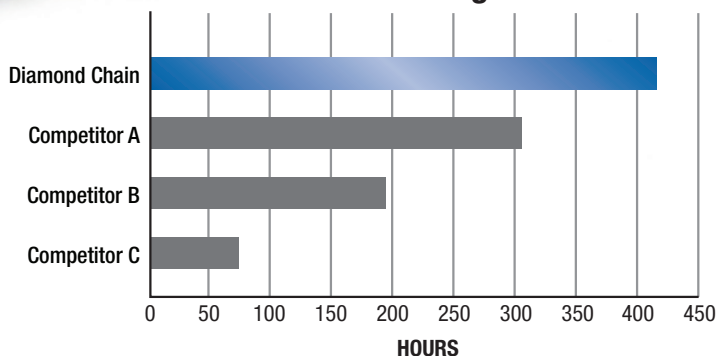


Diamond® Chain Thermoforming Solutions

Diamond® Thermoforming Chain delivers superior performance in plastic forming and shaping applications. Multiple tip types and attachments can be customized across several chain sizes to create the optimal product for each specific thermoforming application.



#50 Thermoforming Wear Test

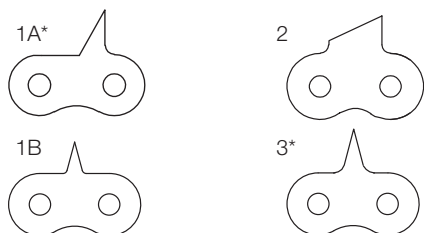


Test conditions:

1172 RPMs, 91lbs tension,
3.5 chain HP, 21T x 21T sprockets.
Test time till 0.002"/pitch elongation.

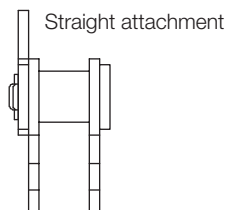
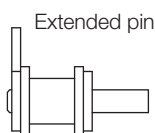
Tip styles & attachments: Diamond chain offers four primary tip types; these types can then be combined with extended pins or straight attachments for additional support.

Tip Types



* Also available sharpened

Extensions



Base Chain Sizes

40-1, 40-2

50-1, 50-2

60-1, 60-2

Length matching: Length matching is critical in thermoforming applications, where multiple chains in parallel are supporting a common piece of material. Diamond chain recommends all thermoforming chains to be ordered as a set, matched for length, and installed as a set to prevent the thermoforming material from twisting during processing.

Class 1 matching - For relatively small spans between chains, class 1 matching ensures the longest and shortest chain in a set do not vary by more than 0.030 inches (0.76mm).

Class 2 matching - For longer spans between chains, class 2 matching ensures the longest and shortest chain in a set do not vary by more than 0.020 inches (0.51mm).

EHT Pins: Enhanced Heat Treat (EHT) pins are designed specifically for high temperature applications; the special heat treatment prevents the pin from “softening” in extreme temperature and thus prevents premature wear. Available as an option on all thermoforming chains.