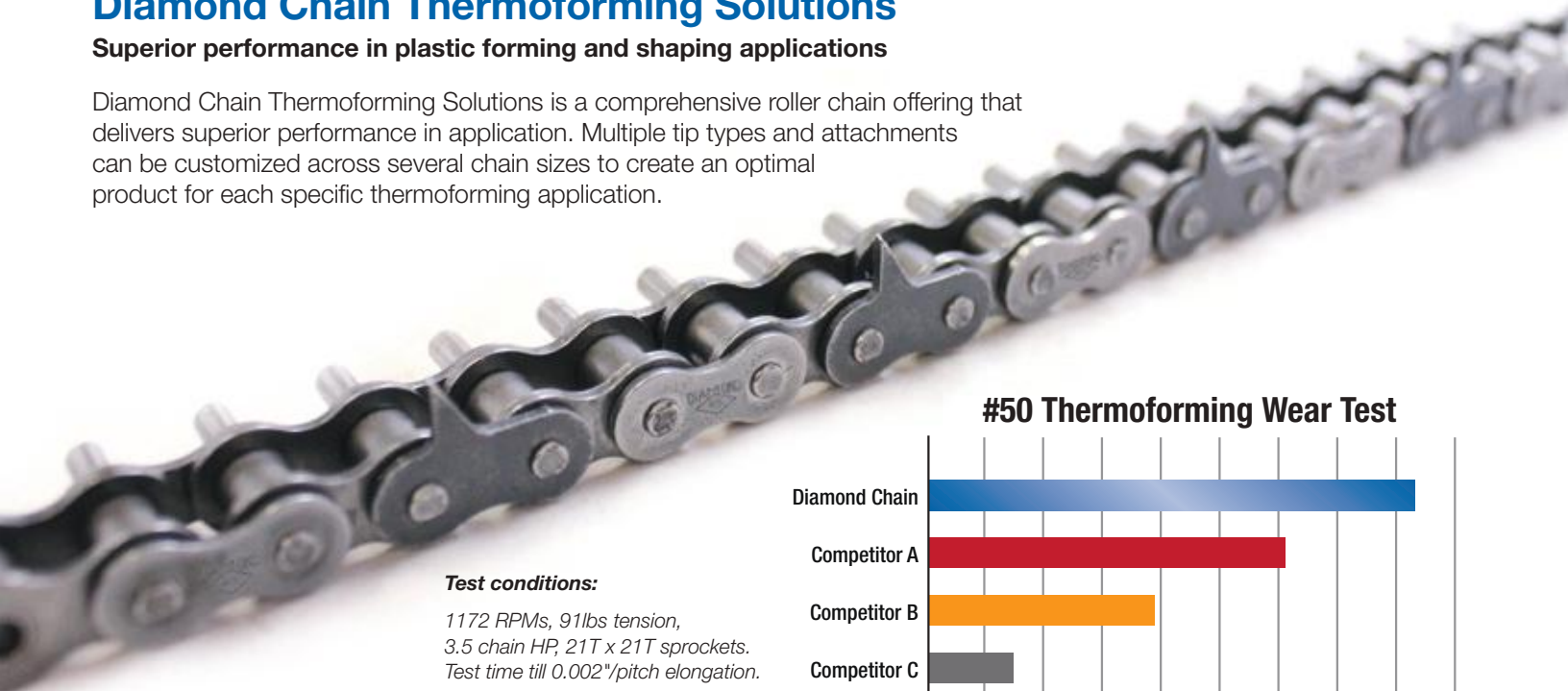


Diamond Chain Thermoforming Solutions

Superior performance in plastic forming and shaping applications

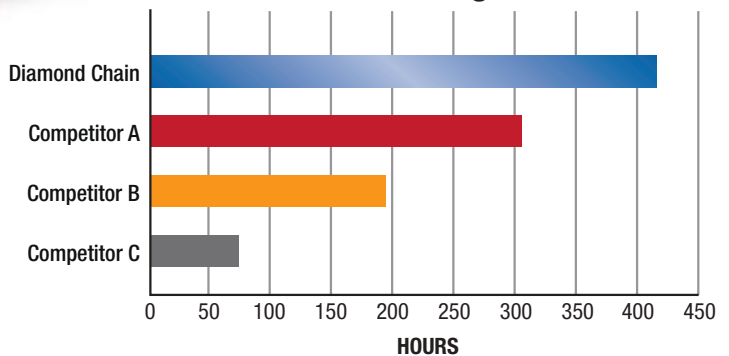
Diamond Chain Thermoforming Solutions is a comprehensive roller chain offering that delivers superior performance in application. Multiple tip types and attachments can be customized across several chain sizes to create an optimal product for each specific thermoforming application.



Test conditions:

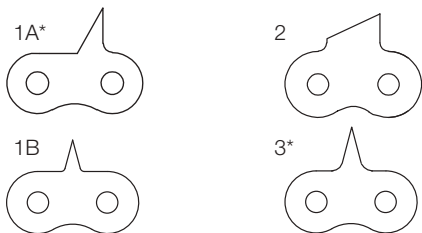
1172 RPMs, 91lbs tension,
3.5 chain HP, 21T x 21T sprockets.
Test time till 0.002"/pitch elongation.

#50 Thermoforming Wear Test



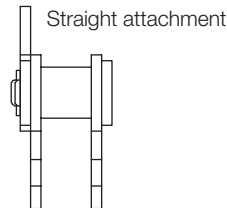
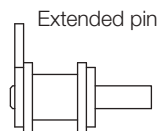
Tip styles & attachments: Diamond chain offers four primary tip types; these types can then be combined with extended pins or straight attachments for additional support.

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 0.006"/foot.

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 0.002"/foot.

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

