

Diamond EHT Pins

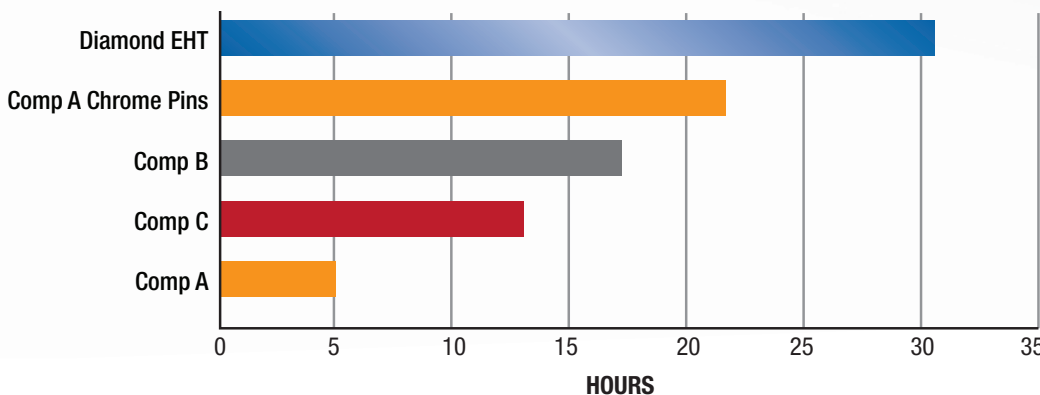
Superior performance in high speed, high temperature, or abrasive environments

Diamond EHT (Enhanced Hardening Treatment) is an optional pin heat treatment available on most carbon steel Diamond Series roller chains*. EHT pins have undergone a unique case-hardening process that maintains the pin hardness in high speed, high temperature, or abrasive environments where regular lubrication is not practical. These difficult environments can actually reduce the hardness of a typical pin, resulting in decreased wear performance and decreased wear life. With the ability to maintain their hardness, EHT pins offer superior wear performance.

EHT is not a coating, but rather an enhancement to the case hardening of the pin itself. In contrast to platings, EHT pins more closely and consistently match the hardness of the bushings – enabling superior performance in difficult conditions without adverse wear in ambient environments.



ANSI 80 Dust Box Wear Test



Test conditions:

668 RPMs, 104 lbs (463 Newtons) of tension, 2.8 chain horsepower (2.09 kw), in enclosed environment with ISO 12103-1 A4 coarse test dust

*Diamond EHT pins are available on most carbon steel material Diamond Series roller chains, with the exception of high strength, hoist and lift chain. Those chains utilize medium carbon through-hardened steel pins for higher tensile strength and fatigue resistance (but less wear life). EHT is not available on stainless steel chains.

To specify EHT pins, add “EHT” to the product part number (e.g. 60 EHT).