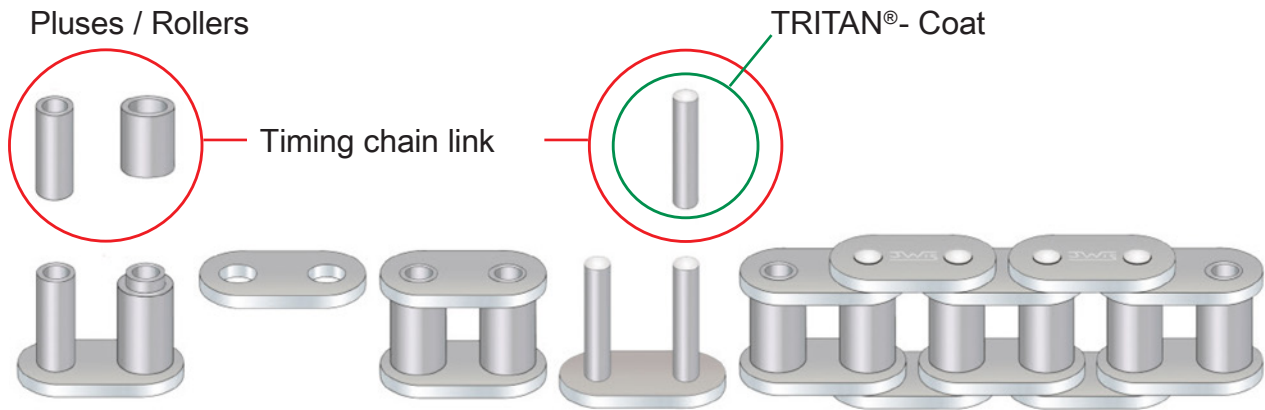




TRITAN® - New coating technology for timing chain pins



Source: IWIS



Timing chains, designed as bush chains or roller chains, consist of an arrangement of inner and outer chain links. In this case, pins and bushes form the joint surfaces.

As the oil quality diminishes, caused by ageing and aggressive oil, carbon and fuel mixtures, the wear in this joint becomes noticeable, particularly in turbo-charged direct injection engines, resulting in elongation of the chain.

iwis specialists have revolutionised the "TRITAN®" PVD (physical vapour deposition) coating technology for timing chain pins and it now withstands these conditions significantly better.

Advantages compared to uncoated chains:

- At least 50% reduction in wear compared to established coatings
- Reduction in CO2 emissions due to almost 20% less friction

NOTE: The process and the TRITAN® name are protected by iwis. These TRITAN® chains are only distributed in the Independent Aftermarket through bilstein group.

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