



Source: iwis

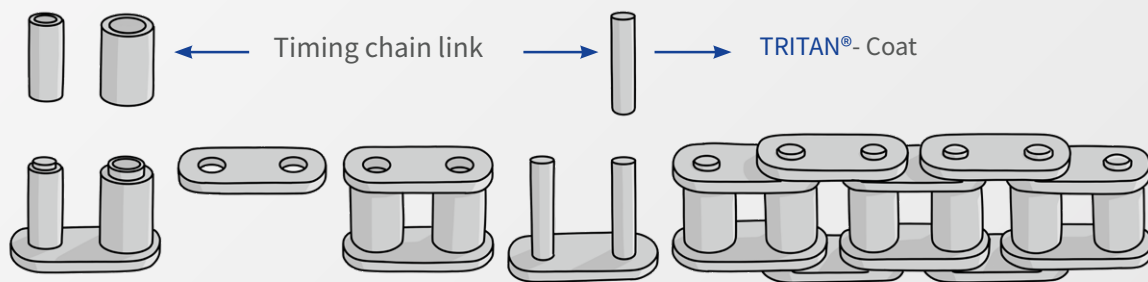
Timing chains, designed as bush chains or roller chains, consist of an arrangement of inner and outer chain links. In this case, pins and bushes form the joint surfaces.

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



TRITAN® New coating technology for timing chain pins

Pluses / Rollers



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.

For more technical information please visit: partsfinder.bilsteingroup.com