

AUTOMOTIVE / VARIOUS MANUFACTURER

CONVEYER SUBSTRUCTURES

THE CHALLENGE

Vibrations in conveyor technology are obvious. Building owners hire companies to regularly retighten the connections. The costs for this are immense.

THE SOLUTION

In most cases, the investment in Nord-Lock has already paid off after one year, as there is less to check and nothing to retighten.



AUTOMOTIVE / KAWASAKI, CHINA

INNER FLYWHEEL

THE CHALLENGE

An existing NL customer who likes riding motorcycle, discovered that the flange nut covering the inner flywheel of his motorcycle consistently loosens and sometimes even comes off due to the high rotation speed of the output shaft. This issue has led to damage to the encoder bracket, a common occurrence among motorcycle enthusiasts.

THE SOLUTION

The customer used NL24sp and they has never loosened after installation.



SHIPYARDS/ NEPTUN SHIPYARD

HEAVY STEEL CONSTRUCTION

THE CHALLENGE

Heavy crane operation, high loads, strong winds near the coast, have made us wonder if the bolted connections might come loose. Maintenance of the bolted connections at >60 m is very difficult.

THE SOLUTION

The majority of the bolts were larger than M24. Mainly HV assemblies according to EN 14399-4 were used. These were secured with Nord-Lock SC washers.



CONSTRUCTION - TUNNELS / NCC, SWEDEN

MALMÖ CITY TUNNEL

THE CHALLENGE

Contractor NCC, responsible for the underground station and platform, was tasked with finding a solution that would keep the gantry firmly bolted to the tunnel's roof and able to resist the pressure waves created by trains entering and leaving the station.

THE SOLUTION

The answer was a series of steel rails cast into the concrete of the tunnel roof. Into these rails are secured thousands of anchor bolts manufactured by Halfen-Deha in top-quality A5 steel, each of which is secured with a Nord-Lock washer pair.

