

PROFICLEAN THREAD CLEANER

HYTORC®



ADVANTAGES

- The brushes adapt fully automatically to bolt diameter and bolt shape
- Also applicable on bolts with reduced shank
- Brush pressure is continuous, independent of brush wear
- During operation brush pressure is adjustable simply by turning a ring manually
- In case of heavy pollution the thread cleaner can be hold on the spot for extra intensive polishing
- The bottom of the bolt head will be polished too
- Suitable for trapezium thread
- Suitable for conical thread
- Power supply is limited so cleaner can be operated manually
- Manual operation up to a larger diameter of ± 120 mm
- Brushes have a great self-cleaning effect

PROFICLEAN is only available for outer threaded bolts.

DESCRIPTION

Look no further for quick, safe and accurate bolting! Hyltorc equipment operates best when studs and nuts are clean, preferably 100%. To solve the problem of polluted threads HYTORC has developed an advanced device for polishing threads fast and easy!

PROFICLEAN cleans the complete thread surface, so both sides.

During polishing the thread surface will not be enlarged or roughened. PROFICLEAN cleans more intense than at manual polishing.

Do the „HYTORC-test“ to proof it! We will clean your manually polished bolts and the amount soil that still will come off will amaze you.

MORE INFORMATION

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SPECIFICATIONS

Also most brand new studbolts have grates and little pollution from the manufacturing. Even on new stud bolts the results will improve. Our "greaser" applies a thin and even layer of lubricant. This will save you money and helps the environment. By extracting the polluted dust out of the air by the optional extractor you create a healthier working situation.

Stationary or in the field

The PROFICLEAN can be installed in a workshop or cleaning room or mobile in the field. Often it is quite expensive en time consuming to transport heavy bolts up and down. Bringing your light weight cleaner to the bolts reduces the risk of thread damage during transportation. During a shot-down stud bolts, nuts and washers can be cleaned next to the flange and stored in separate boxes.

Both sides of the thread will be cleaned and polished up to the heart of the V-shape. The brushes are adjustable within a certain range. Thanks to the uniform base plate with locking device different sizes of brushes can be changes quickly.

Comparison with blasting

Thread cleaning by blasting roughens the surface of the bolt. This roughness will influence the torque value negatively. The surface of a brushed thread is up to 4x smoother than of blasted by frosted glass thread. Polished studs are up 40x smoother than blasted studs. Because of a greater roughness the break loose torque of the blasted thread is often more than double the make up torque. This disadvantage is even bigger with hydraulic tensioning are used. With tensioning nuts are seated by hand torque. Nuts will stick and hold on the „top“ edges of the contact surfaces. In other words: at tensioning the roughness gives bigger scatter in bolt load. Furthermore brushing also cleans the shadow thread sides in blind holes and cap nuts. Blasting will only clean the view side of the threads in blind holes.

ACCESSORIES

- Accessories for inner- & outer thread
- Extensions standard 200mm (other length on request)
- Air-extractor (this elongates the tool with \pm 40mm)
- Electrical driven
- Air driven and reduced rpm for use in EX-zones
- Machine holder with foot switch
- Spare brush in stainless steel or brass at 0,3 / 0,4 / 0,5mm
- Complete set: drive, handtools, gloves and glasses in steel case
- Drive placed next to bolt axes so that very long threaded bars can stick through

SPECIAL EDITIONS

Within the PROFICLEAN range HYTORC supplies a cleaning device to rinse and brush hydraulic cylinders, heat exchangers, etc. This equipment are suitable for diameter from 50mm-2000mm. Maximum length to clean is 15 meter.

We can also supply cleaners that moves the brushes automatically forward. Carousel machine with 1 lay-in station, 2x cleaning device, greaser and taking out station.

Special solutions on request.

Examples



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