

Power tools in general

Power tools are always black unlike hand tools, which are usually chromium plated.

Power tools are designed for mechanical tightening of screws and nuts with pneumatic, hydraulic and electrically driven nut runners. Consequently, they are much stronger than equivalent tools for manual usage.



The tolerances are tighter, wear less and the risk of variation in the tightening torque due to play between the nut runner and power tool is therefore very small.

Using chromium plated sockets on a nut runner can result in serious industrial injuries. Flakes from the chromium coating can injure hands and eyes. Occupational Safety and Health demands that only black power sockets without extra surface layers are used with mechanical nut runners.

Locking power tools

Many nut runners require a locking pin and rubber ring to secure the power tool. Power tools have a through hole for the locking pin and a groove for the rubber ring for this purpose.