



Provide guaranteed safety and efficiency. **STAHLWILLE sets of socket spanners and inserts**

The professionals in industry and the trades are under pressure to work quickly, accurately and economically. Which is why they make heavy demands on their tools. Due to the numerous technical innovations incorporated in them, STAHLWILLE ratchets and sockets make a valuable contribution to the prevention of both mistakes and injuries.

By using ratchets, adaptors and inserts made by STAHLWILLE, professional technicians are quite simply "making sure". It does not matter whether it is a full set of tools or individual components - users can be sure they will get top-of-the-range quality every time. This is guaranteed by adherence to the closest tolerances during production and stringently applied quality assurance measures in accordance with DIN EN ISO 9001. The legendary reliability and precision of these tools is enhanced by a large number of user-friendly features.

- Non-slip, ergonomically manufactured 2-component handles facilitate strain-free working.
- Slim-design sockets enable access to awkward places.
- The QuickRelease system ensures full control over the joint between the ratchet, the adaptors and the sockets.
- STAHLWILLE tool cases are particularly resilient thanks to the robust ABS plastic used. They are shaped for safe stacking and the integrated handles make transport easy. Convenient feature: on the inside of the cover is a list showing the contents of the case.
- Sculpted chemical-resistant cut-outs in special PE foam inlays prevent tools rattling and sliding around.

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Light, robust, stackable: STAHLWILLE plastic cases. The inside of the cover shows the contents of the case.



1

Ergonomically designed 2-component handle made of impact-resistant, skydrol resistant plastic.

2

All metal parts are made of high-grade steel (Chrome Alloy Steel, chrome plated).

3

Firm seating and yet easy release of sockets and adaptors.

4

Wear parts can be easily replaced using sets of spares for sockets.

5

Ergonomic pawl to switch from clockwise to anti-clockwise.



Safety advantage 1

STAHlwille QuickRelease system

The problem: imagine what happens if a tool falls into an inaccessible place during repair or overhaul work.

The consequences: arduous, costly search and recovery, possibly involving disassembly of an aeroengine or machine.

The solution: the safety lock built into the QuickRelease system prevents damage to workpieces and guarantees secure, rapid connection of all individual components to form a single combined unit. Nothing can get lost because it is not possible to inadvertently release a tool. To release a tool, it is first necessary to press the release button deliberately. Even if you have oily or greasy hands, attaching and separating the individual components is so simple it noticeably smoothes your workflows.



Safety advantage 2

STAHlwille AS-Drive

The problem: removing heavily corroded or thermally set fasteners requires the application of considerable force. The socket slips off the head of the fastener.

The consequences: uncontrolled movements cause injuries and damage to both the workpiece and the tools.

The solution: STAHlwille sockets are equipped with the AS-Drive* profile. This permits high transmission of forces to the lands of nuts and bolts without damaging them. The risk of injury is minimised and the corners of the fastener heads and nuts are no longer damaged.

*AS-Drive = Anti-Slip-Drive



3



Safety advantage 3

STAHlwille HPQ®-inserts

The problem: although there is hardly enough room to move, you still have to apply considerable torque to loosen a stubborn threaded fasteners.

The consequences: many of the sockets available are useless simply because their wall thickness makes them impracticable in awkward places.

The solution: STAHlwille HPQ®-sockets are manufactured from selected tough steel alloys. These sockets will not slip off the head of the fastener, nor will they stretch when subjected to heavy loads. Their extremely thin walls and unbelievably high load capacity are simply exemplary. HPQ®-sockets are free of cadmium and are therefore suitable for use on titanium alloy parts and titanium fasteners as used e.g. in the aerospace industry, where safety is a crucial factor. They meet these aerospace standards: E DIN EN 3709, E DIN EN 3710, SAE AS 954-E, S.B.A.C. AS 40605/40606, MS-33787, MIL-W-8982.

* = High Performance Quality



Safety advantage 4

Fine-tooth ratchets without screws or rivets

STAHlwille is the first manufacturer to offer a complete product family of particularly efficient fine-tooth ratchets. Eighty teeth generate an extremely tight ratchet angle of only 4.5°, which enables comfortable working in confined spaces.

The screwless construction, compliant with FOD requirements, make these models the preferred choice for use in safety relevant applications, such as aerospace.



415QR N 1/4"



435QR N 3/8"



512QR N 1/2"