



# PEAK QUALITY FOR CONFINED SPACES. FINE-TOOTH RATCHETS.



**ALSO AVAILABLE NOW**  
WITH A STEEL HANDLE

## COMPACT – BUT NO SHORT-CUTS.

### Tangible advantages for better efficiency, safety and freedom of motion –

now with 80 teeth. The new STAHLWILLE fine-tooth ratchets with their innovative mechanical systems are now available for the first time with a slim steel handle – providing even better freedom of motion in tight spaces. In common with their cousins with 2-component handles, they require a ratchet angle of only 4.5° and really come into their own where maintenance work has to be carried out in confined spaces, like when working on turbines on an aeroplane. And they are uncompromisingly FOD compliant. By the way: the new fine-tooth technology is now also available for bit ratchets with steel handles.

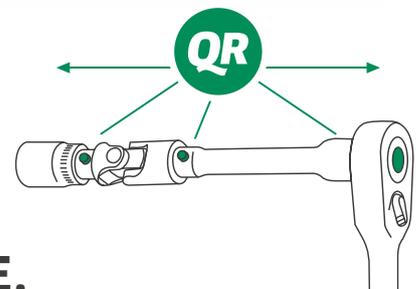
### TRIED AND TESTED.

Rounded edges and shaped grooves facilitate quick & easy switching.



### FOD COMPLIANT.

The preferred choice in safety-relevant fields such as aerospace, thanks to the screwless design.



### SAFE.

The QuickRelease technology ensures tools cannot be inadvertently lost – while enabling rapid, safe tool changes.



Details of the mechanical systems, manner of operation and maintenance tips are available as a video here:  
[www.stahlwille.de/en/videos/fine-tooth-ratchets](http://www.stahlwille.de/en/videos/fine-tooth-ratchets)

## ROBUST.

Drop-forged chrome vanadium shank - durable and impact-resistant for maximum service lifetimes. Bulb-shaped handle for optimum grip.



## SPACE-SAVING.

On request, available without the 2-component handle in a neatly designed slim-line version - because in awkward spaces every millimetre counts.

## SMOOTH OPERATOR.

Unrivalled smooth action, even when applying high torques - thanks to the precision engineered bearing and resilient mechanisms.



## EFFICIENT.

Eighty teeth provide a tight ratchet angle of only 4.5° - facilitating efficient working in confined spaces. In contrast to conventional fine-tooth ratchets, no less than eight teeth engage at once here, ensuring maximum load capacity and, at the same time, smooth action and durability.



**NEW**

## THE FAMILY IS NOW COMPLETE.



**415SG-QR N** 1/4"



**415SGB N** 1/4"



**435SG-QR N** 3/8"



**512SG-QR N** 1/2"

STAHLWILLE's fine-tooth ratchet family has several new members. The steel-handled versions designed specifically for FOD requirements and additional freedom of motion when working in cramped spaces are an important addition to the range.

**NEW**

## HI-LOK JOINS THE FAMILY.



**415SGH N** 1/4"



Another new member of the team: the HI-LOK fine-tooth ratchet made by STAHLWILLE. It takes hexagon keys while retaining a secure locking system for sockets - offering peak FOD safety.



**415QR N** 1/4"

**NEW**



**415QRL N** 1/4"



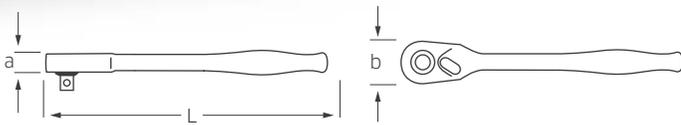
**435QR N** 3/8"



**512QR N** 1/2"

## ADDITIONAL VERSION WITH AN EXTENDED HANDLE.

Whether with a 2-component handle or a steel one: with sizes of 1/4", 3/8" and 1/2", all the most popular drives are available. As part of the fine-tooth ratchets family with 2-component handles, there is now, with immediate effect, also a 1/4" version with an extended lever arm: the 415 QRL N.



### Fine-tooth ratchets with 80 teeth

Code	No	L mm	b mm	a mm	Wt g
11 11 10 20	415QR N	117	22.6	10.7	79
11 11 10 30	415SG-QR N	117	22.6	10.7	90
11 11 10 40	415QRL N	153	22.6	10.7	96
11 13 20 20	415SGB N	117	22.6	10.7	85
11 11 00 10	415SGH N	117	22.6	10.7	90
12 11 10 20	435QR N	193	30	15	235
12 11 10 30	435SG-QR N	193	30	15	266
13 11 11 20	512QR N	265.5	41	23	647
13 11 10 30	512SG-QR N	265.5	41	23	680

