

## Double-ended ring spanners, metric, extra long

220



Product no. **41031922**  
GTIN **4018754140428**  
Model **220 19 x 22**



### Label.

Double-ended ring spanner Size 19 x 22 L.408mm

### Properties.

- **metric, differing** end sizes
- cranked 15°
- bi-hex with AS-Drive profile
- extra long design for less effort with constant torque
- suitable for working in confined spaces
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- HPQ® high performance steel, chrome-plated

### Benefits.

High-quality double-ended ring spanner in extra-long version for greater power transmission, with metric size.

The bi-hex AS-Drive profile protects screws and nuts because the force is applied specifically to the flanks - not the edges.

Made from robust HPQ® high performance steel and additionally chrome-plated for high durability, reliable corrosion protection and enormous wear resistance.

A special manufacturing process enables thin-walled rings - slim for use in confined areas and at the same time robust enough for high loads.

The distinctive STAHLWILLE rounded finish gives the combination spanner a non-slip and comfortable feel for safe working, even with oily hands.

## Product highlights.



PRODUCT IMAGE  
IN PROGRESS

### **For high torques.**

Designed in an extra-long version, the double-ended ring spanner enables a significantly higher leverage effect: the desired torque is achieved with less force - while maintaining a constant load on the screw or nut. This is a big advantage when loosening tight screw connections, e.g. on wheel suspensions and brakes, agricultural and construction machinery, couplings/drive trains, as well as on valves, fittings, steel structures and in plant maintenance.



PRODUCT IMAGE  
IN PROGRESS

### **Optimum power transmission.**

Each spanner guarantees consistently excellent quality thanks to minimal manufacturing tolerances and high reproducible precision. The jaw and ring always fit securely on the screw, ensuring optimum power transmission.



PRODUCT IMAGE  
IN PROGRESS

### **Non-slip surface.**

STAHLWILLE spanners feature a high-quality, non-slip surface texture that enables safe working even with oily hands. The non-slip texture increases control during handling.



PRODUCT IMAGE  
IN PROGRESS

### **Solid, stable, durable.**

Made from solid, extremely durable HPQ® high performance steel, the spanner offers high stability and resilience even in continuous use - no deformation, no warping, even when used vigorously. It is also chrome-plated for corrosion resistance.

## Technologies and features.



### **Double-T profile**

Our ring, open-ended and combination spanners have an additional recess in the middle of the tool. Similar to the principle of a double-T beam, this provides a tremendous load capacity and maximum strength whilst reducing weight.



### Anti-Slip-Drive

The special AS-Drive profile makes high force transmission to the flats of bolts and nuts possible without damaging them. This also prevents stripping of the screw head.



### High Performance Quality (HPQ®)

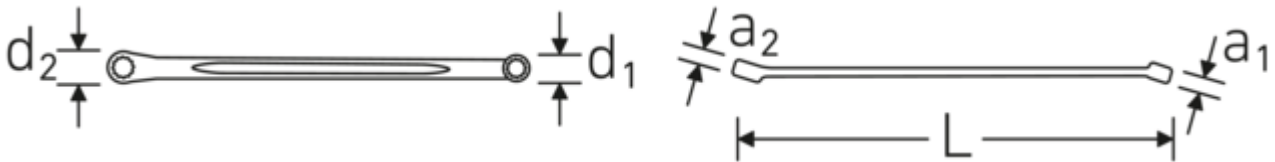
Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.



### Thin-walled rings

The thin-walled diameter of our rings makes it easier to work in confined spaces. The ring wall is deeper than standard nuts, which prevents jamming.

## Technical drawing.



## Technical attributes.

Size 1 [mm]	19 mm
Size 2 [mm]	22 mm
Length mm (L)	408 mm
a1	13 mm
a2	14,3 mm
Drive profile	bi-hex AS-Drive
d1	27,5 mm
d2	31,5 mm
Alloy	HPQ® high performance steel
Surface	chrome-plated

## Logistics data.

Product no.	41031922
GTIN	4018754140428
Weight (g)	520 g
Volume (packaged, dm <sup>3</sup> )	1.53 dm <sup>3</sup>
Packing standard	5
WEEE/ElektroG	nicht ear-pflichtig
Customs tariff no.	82041100
Country of origin AWR	GERMANY
Region of origin	Nordrhein-Westfalen
Depth mm (IFS)	407
Width mm (IFS)	32

Ring position 15 °

Height mm (IFS)	24
Weight (gross, kg)	2,620
Weight PAP (kg)	0,000
Weight PVC (kg)	0,016
Length (packaged, mm)	450
Width (packaged, mm)	100
Height (packaging, mm)	34

## GTIN.



**STAHLWILLE Eduard Wille GmbH**

Lindenallee 27 · 42349 Wuppertal · Germany · Phone: +49 202 4791-0

info@stahlwille.de · www.stahlwille.com

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