STAHLWILLE®

Combination spanners OPEN BOX, metric

OPEN BOX 13

Product no.	**40081919**
GTIN	**4018754018840**
Model	**OPEN BOX 13 19**

Label. Combination spanner Size 19 L.230mm

Properties.

- **metric, identical** end sizes
- jaw angled 15°
- ring with bi-hex and AS-Drive profile
- ring-end cranked 15°
- reinforced connection between jaw and shaft
- durable, slim and lightweight design
- high flexural strength due to double-T profile
- STAHLWILLE's rounded finish ensures a non-slip, pleasant feel
- drop-forged, hardened, and cooled in an oil bath
- Chrome Alloy Steel, chrome-plated
- DIN 3113 Form A / ISO 7738 Form A

Benefits.

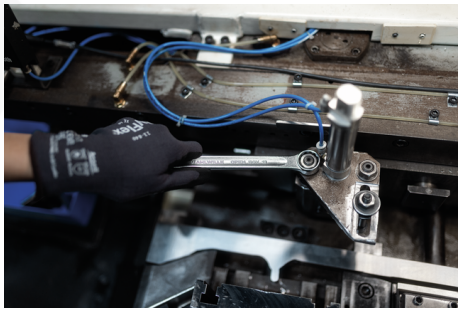
High-quality combination spanners in metric sizes.

The ring side that is offset by 15° makes it easy to work on flat surfaces.

The distinctive STAHLWILLE rounded finish ensures the combination spanner is comfortable to hold and is easy to grip, ensuring safe working, even with oily hands.

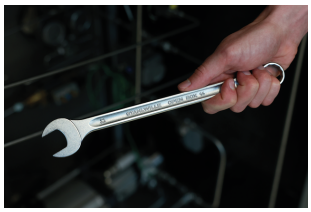
For easy tightening and loosening of hex screws.

The slim, thin-walled rings are ideal for working in areas that are difficult to access.



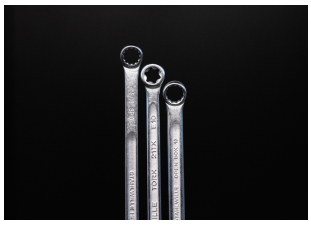
Product highlights.

Angled and offset.
The 15° angled jaw opening is the guarantee of exact positioning on the screw for optimum force transmission. The offset side of the ring makes it easier to work on flat surfaces.



Excellent workmanship.
The spanner is made from high-quality forged Chrome Alloy Steel, making it extremely robust and durable, even during continuous use. It also has a corrosion-resistant chrome-plated finish.

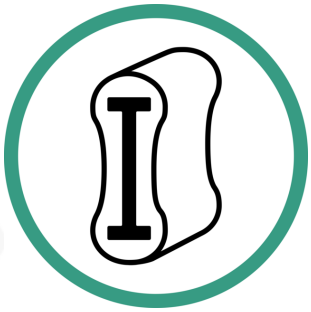
Non-slip surface
STAHLWILLE spanners have a high-quality surface finish with good grip, making it possible to work safely and efficiently, even with greasy hands. The non-slip property improves control during handling.



A solution for every situation.
Our combination spanners are available in different versions (metric, imperial, long, with Spline-Drive profile) and as sets in textile bags, roll-up tool pouches or TCS inlays.

Optimum power transmission.
Every spanner guarantees consistently excellent quality due to minimal manufacturing tolerances and highly reproducible precision. The jaws and ring always sit firmly on the screw, thus ensuring optimal power transmission.

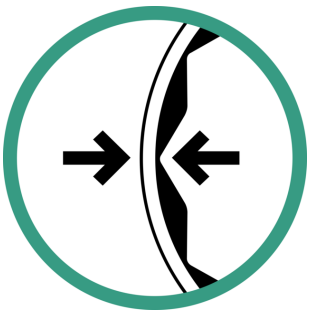
Technologies and features.



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.

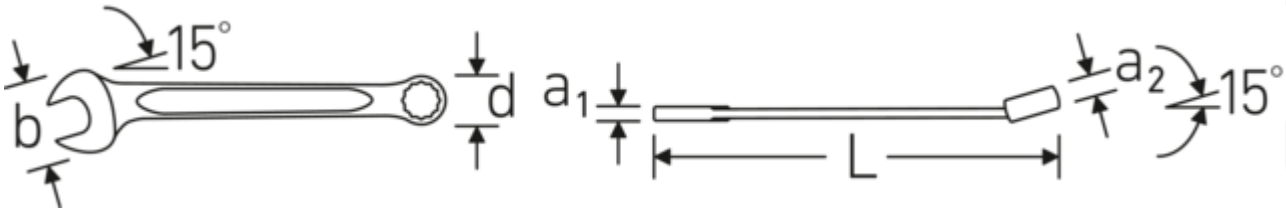
Offset Shaft Design
Our spanners are specially designed with additional reinforcement in the load zones where the greatest amount of force is transmitted - namely where the jaw meets the shank - in order to prevent deformation.

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.



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]	19 mm
Jaw angle	15 °
Length mm (L)	230 mm
Width mm (b)	42 mm
a1	6,7 mm
a2	11,5 mm
Drive profile	bi-hex AS-Drive
d	27,5 mm

Logistics data.

Product no.	40081919
GTIN	4018754018840
Weight (g)	140 g
Volume (packaged, dm3)	0.52875 dm3
Packing standard	10
WEEE/ElektroG	nicht ear-pflichtig
Customs tariff no.	82041100
Country of origin AWR	GERMANY
Region of origin	Nordrhein-Westfalen
Depth mm (IFS)	230

DIN	DIN 3113 Form A / ISO 7738 Form A
Alloy	Chrome Alloy Steel, chrom plated
Surface	chrome-plated
t	10 mm
Ring position	15 °

Width mm (IFS)	42
Height mm (IFS)	11
Weight (gross, kg)	1,400
Weight PAP (kg)	0,000
Weight PVC (kg)	0,012
Length (packaged, mm)	235
Width (packaged, mm)	150
Height (packaging, mm)	15

GTIN.

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