

## Double-ended open-ring spanners, angled, OPEN RING, metric, bi-hex

### OPEN RING 24



Product no.	41082224
GTIN	4018754021994
Model	OPEN RING 24 22 x 24



#### Label.

Double-ended open-ring spanner, angled Size 22 x 24 L.245mm

#### Properties.

- **metric, differing** end sizes
- cranked 10°
- bi-hex with AS-Drive profile
- 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 3118 / ISO 3318

#### Benefits.

High-quality open double-ended ring spanner with bi-hex for working on threaded rods or long screws, for example.

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

Made of robust Chrome Alloy Steel and additionally chrome-plated for high durability, reliable corrosion protection and enormous wear resistance.

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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

### **Quick access in confined installation situations.**

The open ring allows particularly quick, lateral access to the screw connection without having to attach it from above. This offers clear advantages in confined spaces and in applications where cables, threaded rods or surrounding components restrict access. This means that screw connections can be efficiently reached and worked on even in difficult installation situations.



PRODUCT IMAGE  
IN PROGRESS

### **Greater efficiency and better access.**

Our double-ended open-ring spanner is angled by 10°, allowing better access to screw connections in confined spaces - for example, next to housings, pipes or frames. Thanks to the unequal spanner sizes, it also covers two common sizes. This significantly reduces the need to change tools, keeps the workflow smooth and is a real advantage, especially for recurring assembly and service work.



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.

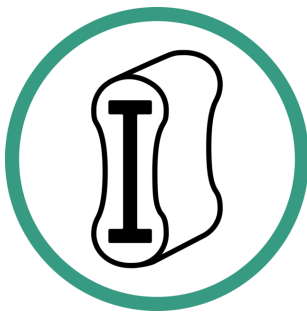


PRODUCT IMAGE  
IN PROGRESS

### **High-quality workmanship.**

The key is forged from high-quality Chrome Alloy Steel, which gives it high stability and resistance even in continuous use. It is also chrome-plated for corrosion resistance.

## Technologies and features.



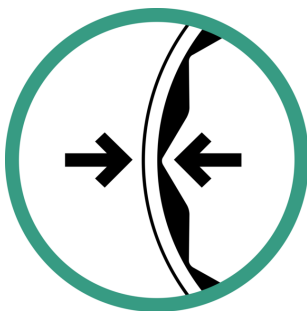
### Double-T profile

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

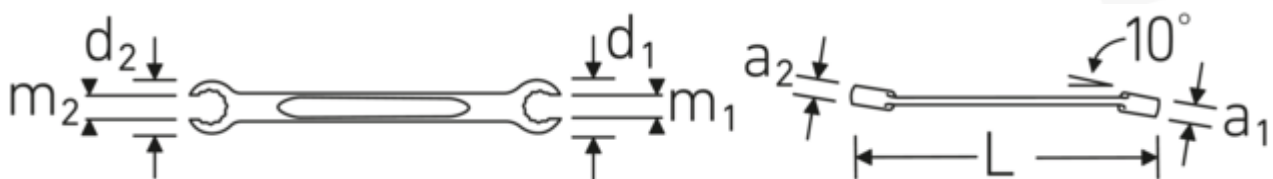
The special AS-Drive profile makes high force transmission to the flats of bolts and nuts possible without damaging them. This also prevents stripping of the screw head.



### 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]	22 mm
Size 2 [mm]	24 mm
Length mm (L)	245 mm
a1	15 mm
a2	16 mm
Drive profile	bi-hex AS-Drive
d1	37 mm

## Logistics data.

Product no.	41082224
GTIN	4018754021994
Weight (g)	251 g
Volume (packaged, dm3)	1.2528 dm3
Packing standard	5
WEEE/ElektroG	nicht ear-pflichtig
Customs tariff no.	82041100

<b>d2</b>	40,5 mm	<b>Country of origin AWR</b>	GERMANY
<b>DIN</b>	DIN 3118 / ISO 3318	<b>Region of origin</b>	Nordrhein-Westfalen
<b>Alloy</b>	Chrome Alloy Steel, chrom plated	<b>Depth mm (IFS)</b>	243
<b>m1</b>	17 mm	<b>Width mm (IFS)</b>	42
<b>m2</b>	18 mm	<b>Height mm (IFS)</b>	22
<b>Surface</b>	chrome-plated	<b>Weight (gross, kg)</b>	1,270
<b>Ring position</b>	10 °	<b>Weight PAP (kg)</b>	0,000
		<b>Weight PVC (kg)</b>	0,012
		<b>Length (packaged, mm)</b>	270
		<b>Width (packaged, mm)</b>	80
		<b>Height (packaging, mm)</b>	58

## GTIN.



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