



## Combination wrenches OPEN BOX, metric

### OPEN BOX 13



Product no. **40084646**  
GTIN **4018754019038**  
Model **OPEN BOX 13 46**



**Label.** Combination wrench Size 46 mm L.500mm

- 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 wrenches in metric sizes.

For easy tightening and loosening of hex screws.

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

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

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



## Product highlights.



### **Angled and offset.**

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



PRODUCT IMAGE  
IN PROGRESS

### **Excellent workmanship.**

The wrench 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.



PRODUCT IMAGE  
IN PROGRESS

### **Non-slip surface**

STAHLWILLE wrenches 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 wrenches are available in different versions (metric, imperial, long, with Spline-Drive profile) and as sets in textile bags, roll-up tool bags or TCS inlays.



PRODUCT IMAGE  
IN PROGRESS

### **Optimum power transmission.**

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

## Technologies and features.



### Double-T profile

Our ring, open-ended and combination wrenches 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 wrenches 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

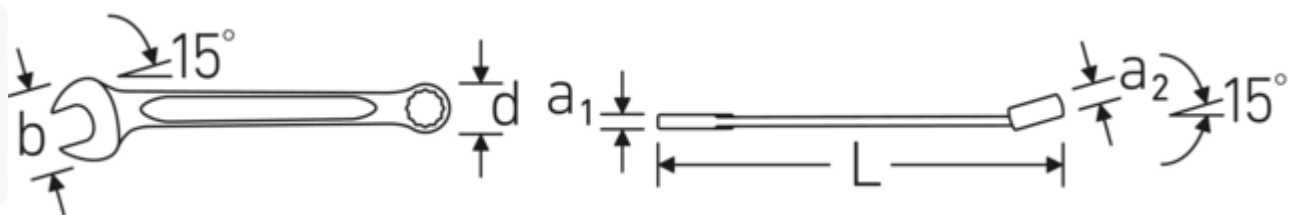
The special AS-Drive profile makes high force transmission to the flats of bolts and nuts possible without damaging them. This also prevents stripping of the bolt head.



### 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.

|               |                                   |
|---------------|-----------------------------------|
| a1            | 13 mm                             |
| a2            | 20 mm                             |
| Drive profile | bi-hex AS-Drive                   |
| Width mm (b)  | 94,5 mm                           |
| d             | 65,2 mm                           |
| DIN           | DIN 3113 Form A / ISO 7738 Form A |
| Length mm (L) | 500 mm                            |
| Alloy         | Chrome Alloy Steel                |
| Jaws angled   | 15 °                              |
| Surface       | chrome-plated                     |
| Ring position | 15 °                              |
| Size 1 [mm]   | 46 mm                             |
| Size 2 [mm]   | 46 mm                             |
| t             | 1 mm                              |

## Logistics data.

|                        |                     |
|------------------------|---------------------|
| Depth mm (IFS)         | 500                 |
| Width mm (IFS)         | 94                  |
| Height mm (IFS)        | 13                  |
| WEEE/ElektroG          | nicht ear-pflichtig |
| Length (packaged, mm)  | 510                 |
| Width (packaged, mm)   | 150                 |
| Height (packaging, mm) | 13                  |
| Volume (packaged, dm3) | 0.9945 dm3          |
| Product no.            | 40084646            |
| Weight (gross, kg)     | 1,330               |
| Weight PAP (kg)        | 0,000               |
| Weight PVC (kg)        | 0,022               |
| GTIN                   | 4018754019038       |
| Country of origin AWR  | GERMANY             |
| Region of origin       | Nordrhein-Westfalen |
| Customs tariff no.     | 82041100            |
| Packing standard       | 1                   |
| Weight (g)             | 1330 g              |

## Variants.

| Product no. | Model No. (ERP) | Description                            | GTIN          |
|-------------|-----------------|----------------------------------------|---------------|
| 40085500    | OPEN BOX 13 5,5 | Combination wrench Size 5,5 mm L.100mm | 4018754019052 |
| 40080606    | OPEN BOX 13 6   | Combination wrench Size 6 mm L.105mm   | 4018754018710 |
| 40080707    | OPEN BOX 13 7   | Combination wrench Size 7 mm L.110mm   | 4018754018727 |
| 40080808    | OPEN BOX 13 8   | Combination wrench Size 8 mm L.115mm   | 4018754018734 |
| 40080909    | OPEN BOX 13 9   | Combination wrench Size 9 mm L.120mm   | 4018754018741 |
| 40081010    | OPEN BOX 13 10  | Combination wrench Size 10 mm L.125mm  | 4018754018758 |
| 40081111    | OPEN BOX 13 11  | Combination wrench Size 11 mm L.135mm  | 4018754018765 |
| 40081212    | OPEN BOX 13 12  | Combination wrench Size 12 mm L.140mm  | 4018754018772 |
| 40081313    | OPEN BOX 13 13  | Combination wrench Size 13 mm L.160mm  | 4018754018789 |
| 40081414    | OPEN BOX 13 14  | Combination wrench Size 14 mm L.165mm  | 4018754018796 |
| 40081515    | OPEN BOX 13 15  | Combination wrench Size 15 mm L.170mm  | 4018754018802 |
| 40081616    | OPEN BOX 13 16  | Combination wrench Size 16 mm L.180mm  | 4018754018819 |
| 40081717    | OPEN BOX 13 17  | Combination wrench Size 17 mm L.190mm  | 4018754018826 |
| 40081818    | OPEN BOX 13 18  | Combination wrench Size 18 mm L.200mm  | 4018754018833 |

|          |                |                                       |               |
|----------|----------------|---------------------------------------|---------------|
| 40081919 | OPEN BOX 13 19 | Combination wrench Size 19 mm L.230mm | 4018754018840 |
| 40082020 | OPEN BOX 13 20 | Combination wrench Size 20 mm L.230mm | 4018754018857 |
| 40082121 | OPEN BOX 13 21 | Combination wrench Size 21 mm L.260mm | 4018754018864 |
| 40082222 | OPEN BOX 13 22 | Combination wrench Size 22 mm L.260mm | 4018754018871 |
| 40082323 | OPEN BOX 13 23 | Combination wrench Size 23 mm L.280mm | 4018754018888 |
| 40082424 | OPEN BOX 13 24 | Combination wrench Size 24 mm L.280mm | 4018754018895 |
| 40082525 | OPEN BOX 13 25 | Combination wrench Size 25 mm L.300mm | 4018754018901 |
| 40082626 | OPEN BOX 13 26 | Combination wrench Size 26 mm L.300mm | 4018754018918 |
| 40082727 | OPEN BOX 13 27 | Combination wrench Size 27 mm L.300mm | 4018754018925 |
| 40082828 | OPEN BOX 13 28 | Combination wrench Size 28 mm L.320mm | 4018754018932 |
| 40082929 | OPEN BOX 13 29 | Combination wrench Size 29 mm L.330mm | 4018754018949 |
| 40083030 | OPEN BOX 13 30 | Combination wrench Size 30 mm L.330mm | 4018754018956 |
| 40083232 | OPEN BOX 13 32 | Combination wrench Size 32 mm L.360mm | 4018754018963 |
| 40083434 | OPEN BOX 13 34 | Combination wrench Size 34 mm L.450mm | 4018754018987 |
| 40083636 | OPEN BOX 13 36 | Combination wrench Size 36 mm L.460mm | 4018754019007 |
| 40083838 | OPEN BOX 13 38 | Combination wrench Size 38 mm L.480mm | 4018754019014 |
| 40084141 | OPEN BOX 13 41 | Combination wrench Size 41 mm L.480mm | 4018754019021 |
| 40084646 | OPEN BOX 13 46 | Combination wrench Size 46 mm L.500mm | 4018754019038 |
| 40085050 | OPEN BOX 13 50 | Combination wrench Size 50 mm L.530mm | 4018754019045 |
| 40085555 | OPEN BOX 13 55 | Combination wrench Size 55 mm L.560mm | 4018754019069 |
| 40086060 | 13 60          | Combination wrench Size 60 mm L.590mm | 4018754019076 |

## GTIN.



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