



Combination spanners OPEN BOX, metric

OPEN BOX 13



Product no. **40082828**
GTIN **4018754018932**
Model **OPEN BOX 13 28**



Label.

Combination spanner Size 28 mm L.320mm

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.

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 spanner 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 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

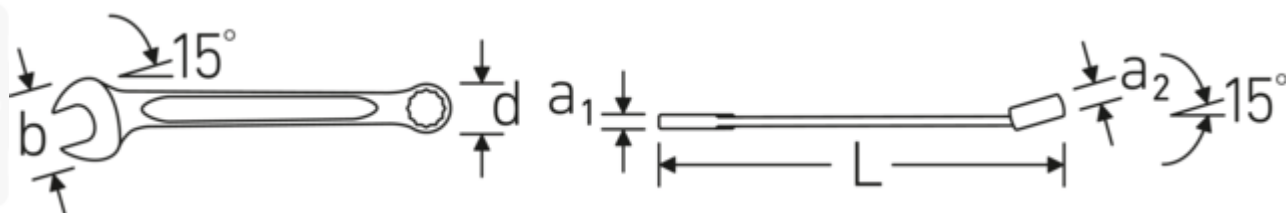
The special AS-Drive profile makes high force transmission to the flats of bolts and nuts possible without damaging them. This also prevents stripping of the screw head.



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.

a1	8,4 mm
a2	14,5 mm
Drive profile	bi-hex AS-Drive
Width mm (b)	62 mm
d	40,6 mm
DIN	DIN 3113 Form A / ISO 7738 Form A
Length mm (L)	320 mm
Alloy	Chrome Alloy Steel
Jaws angled	15 °
Surface	chrome-plated
Size 1 [mm]	28 mm
Ring position	15 °
Size 2 [mm]	28 mm
t	5 mm

Logistics data.

Depth mm (IFS)	325
Width mm (IFS)	62
Height mm (IFS)	23
WEEE/ElektroG	nicht ear-pflichtig
Length (packaged, mm)	325
Width (packaged, mm)	100
Height (packaging, mm)	63
Volume (packaged, dm3)	2.0475 dm3
Product no.	40082828
Weight (gross, kg)	1,840
Weight PAP (kg)	0,000
Weight PVC (kg)	0,015
GTIN	4018754018932
Country of origin AWR	GERMANY
Region of origin	Nordrhein-Westfalen
Customs tariff no.	82041100
Packing standard	5
Weight (g)	368 g

Variants.

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

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

GTIN.



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