



## Double-ended ring spanners, extra long, Spline-Drive profile

### 220aSP

Product no. **41160709**  
GTIN **4018754133499**  
Model **220aSP 7 x 9 Spline**



**Label.** Double-ended ring spanner Size 7/32 x 9/32 " L.185mm

#### Properties.

- **imperial, differing** end sizes
- with Spline-Drive profile
- cranked 15°
- 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
- MS-33787 / MIL-W-8982

#### Benefits.

High quality double-ended ring spanner with an extra long design in imperial AF spanner sizes.

The Spline-Drive-Profile improves power transmission, reduces the risk of slipping and increases the level of precision.

#### Product highlights.



##### Extra-long design.

The spanner is ideal for working on hard-to-reach screw points due to its extended design and enables high torques for better power transmission when tightening.

## 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.



### High Performance Quality (HPQ®)

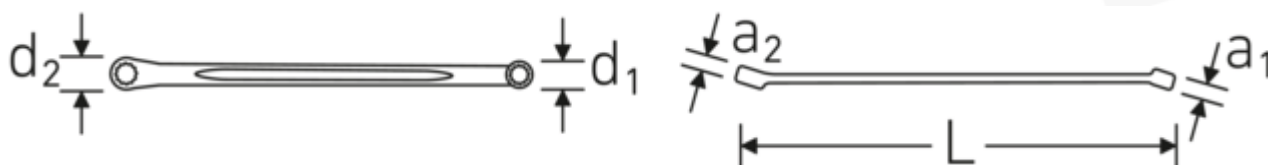
Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.



### 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.

|                    |              |
|--------------------|--------------|
| a1                 | 5,3 mm       |
| a2                 | 5,8 mm       |
| Drive profile      | Spline-Drive |
| d1                 | 9,4 mm       |
| d2                 | 11,5 mm      |
| Size drive profile | 7 x 9        |
| Length mm (L)      | 185 mm       |

## Logistics data.

|                        |                     |
|------------------------|---------------------|
| Depth mm (IFS)         | 184                 |
| Width mm (IFS)         | 18                  |
| Height mm (IFS)        | 11                  |
| WEEE/ElektroG          | nicht ear-pflichtig |
| Length (packaged, mm)  | 190                 |
| Width (packaged, mm)   | 100                 |
| Height (packaging, mm) | 12                  |

|                      |                             |                               |                     |
|----------------------|-----------------------------|-------------------------------|---------------------|
| <b>Alloy</b>         | HPQ® high performance steel | <b>Volume (packaged, dm3)</b> | 0.228 dm3           |
| <b>Surface</b>       | chrome-plated               | <b>Product no.</b>            | 41160709            |
| <b>Ring position</b> | 15 °                        | <b>Weight (gross, kg)</b>     | 0,160               |
| <b>Size 1 [inch]</b> | 7/32 "                      | <b>Weight PAP (kg)</b>        | 0,000               |
| <b>Size 2 [inch]</b> | 9/32 "                      | <b>Weight PVC (kg)</b>        | 0,004               |
|                      |                             | <b>GTIN</b>                   | 4018754133499       |
|                      |                             | <b>Country of origin AWR</b>  | GERMANY             |
|                      |                             | <b>Region of origin</b>       | Nordrhein-Westfalen |
|                      |                             | <b>Customs tariff no.</b>     | 82041100            |
|                      |                             | <b>Packing standard</b>       | 5                   |
|                      |                             | <b>Weight (g)</b>             | 28 g                |

## Variants.

| Product no. | Model No. (ERP)       | Description                                            | GTIN          |
|-------------|-----------------------|--------------------------------------------------------|---------------|
| 41160709    | 220aSP 7 x 9 Spline   | Double-ended ring spanner Size 7/32 x 9/32 " L.185mm   | 4018754133499 |
| 41160810    | 220aSP 8 x 10 Spline  | Double-ended ring spanner Size 1/4 x 5/16 " L.205mm    | 4018754133505 |
| 41161214    | 220aSP 12 x 14 Spline | Double-ended ring spanner Size 3/8 x 7/16 " L.250mm    | 4018754133512 |
| 41161618    | 220aSP 16 x 18 Spline | Double-ended ring spanner Size 1/2 x 9/16 " L.290mm    | 4018754133529 |
| 41161820    | 220aSP 18 x 20 Spline | Double-ended ring spanner Size 9/16 x 5/8 " L.315mm    | 4018754133536 |
| 41162224    | 220aSP 22 x 24 Spline | Double-ended ring spanner Size 11/16 x 3/4 " L.365mm   | 4018754133543 |
| 41162630    | 220aSP 26 x 30 Spline | Double-ended ring spanner Size 13/16 x 15/16 " L.410mm | 4018754133550 |
| 41162832    | 220aSP 28 x 32 Spline | Double-ended ring spanner Size 7/8 x 1 " L.430mm       | 4018754133567 |

## GTIN.





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