



## 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 in extra-long version with imperial size.

A special manufacturing process enables thin-walled rings - slim for use in confined areas and at the same time robust enough for high loads.

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

The distinctive STAHLWILLE rounded finish gives the combination spanner a non-slip and comfortable feel for safe working, even with oily hands.

Made from robust HPQ® high performance steel and additionally chrome-plated for high durability, reliable corrosion protection and enormous wear resistance.

## Product highlights.



PRODUCT IMAGE  
IN PROGRESS

### **For high torques.**

Designed in an extra-long version, the double-ended ring spanner enables a significantly higher leverage effect: the desired torque is achieved with less force - while maintaining a constant load on the screw or nut. This is a big advantage when loosening tight screw connections, e.g. on wheel suspensions and brakes, agricultural and construction machinery, couplings/drive trains, as well as on valves, fittings, steel structures and in plant maintenance.



PRODUCT IMAGE  
IN PROGRESS

### **Protects the screw connection.**

The Spline-Drive profile ensures a secure fit and protects the screw connection: the force is distributed across the flanks instead of the edges - for less turning, reliable power transmission and controlled working, even with tight or already stressed screws and nuts.



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

### **Solid, stable, durable.**

Made from solid, extremely durable HPQ® high performance steel, the spanner offers high stability and resilience even in continuous use - no deformation, no warping, even when used vigorously. 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.



### High Performance Quality (HPQ®)

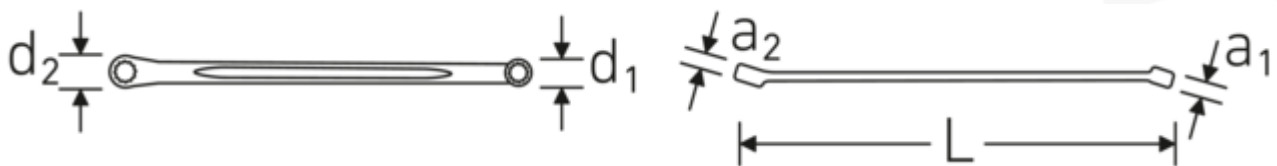
Our HPQ® tool is made of wear-resistant high-performance steel, yet is thin-walled and lightweight. It withstands high torques and is ideal for work in confined spaces such as turbines.



### 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.

Size 1 [inch]	7/32 "
Size 2 [inch]	9/32 "
Size drive profile	7 x 9
Length mm (L)	185 mm
a1	5,3 mm
a2	5,8 mm
Drive profile	Spline-Drive

## Logistics data.

Product no.	41160709
GTIN	4018754133499
Weight (g)	28 g
Volume (packaged, dm3)	0.228 dm3
Packing standard	5
WEEE/ElektroG	nicht ear-pflichtig
Customs tariff no.	82041100

<b>d1</b>	9,4 mm	<b>Country of origin AWR</b>	GERMANY
<b>d2</b>	11,5 mm	<b>Region of origin</b>	Nordrhein-Westfalen
<b>Alloy</b>	HPQ® high performance steel	<b>Depth mm (IFS)</b>	184
<b>Surface</b>	chrome-plated	<b>Width mm (IFS)</b>	18
<b>Ring position</b>	15 °	<b>Height mm (IFS)</b>	11
		<b>Weight (gross, kg)</b>	0,160
		<b>Weight PAP (kg)</b>	0,000
		<b>Weight PVC (kg)</b>	0,004
		<b>Length (packaged, mm)</b>	190
		<b>Width (packaged, mm)</b>	100
		<b>Height (packaging, mm)</b>	12

## GTIN.



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