

## Positioning Bushings · without collar, DIN 179 A

23112.0693



### Product Description

Positioning or drill bushings are used to drill repetitive holes in the same location to ensure repeatability. The hardened and ground positioning bushings can be used as wear-resistant guide for drills, shafts etc.

### Material

- Case-hardened steel, case-hardened

### Drawing



### Order information

Dimensions				Location hole		[g]	Art. No.
d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	r	D			
F7		n6		H7			
[mm]				[mm]			
19	45	30	3	30		147	23112.0693

### Compliance

#### RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

#### Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 23.01.2024.

#### Contains Proposition 65 substances



Lead can cause cancer and reproductive harm from exposure  
<https://www.P65Warnings.ca.gov/>

#### Free from Conflict Minerals

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.