# Positioning Bushings • with collar, DIN 172 A

23112.0046



## **Product Description**

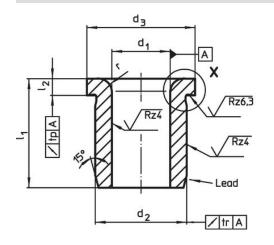
Positioning or drill bushings are used to drill repetitive holes in the same location to ensure repeatabililty.

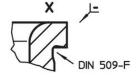
The hardened and ground positioning bushings can be used as wear-resistant guide for drills, shafts etc.

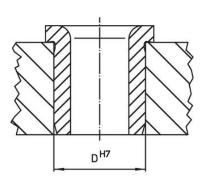
#### **Material**

· Case-hardened steel, case-hardened

## **Drawing**







## **Order information**

Dimensions						Location hole	I	Art. No.
d <sub>1</sub>	l <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	l <sub>2</sub>	r	D	_	
F7		n6				H7		
[mm]						[mm]	[g]	
4.5	8	8	11	2.5	1	8	2.9	23112.0046

## 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 27.06.2024.

#### **Contains Proposition 65 substances**



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

Erwin Halder KG

#### **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.



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Published on: 10.8.2024

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