# Positioning Bushings • with collar, DIN 172 A

23112.0201



## **Product Description**

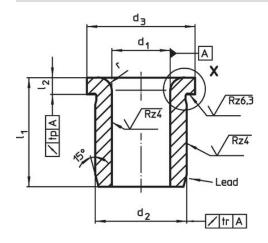
Positioning or drill bushings are used to drill repetitive holes in the same location to ensure repeatabililty.

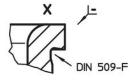
The hardened and ground positioning bushings can be used as wear-resistant guide for drills, shafts etc.

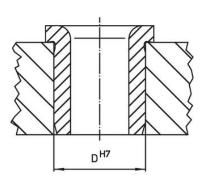
#### **Material**

· 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] |            |
| 20             | 20             | 30             | 34             | 5              | 3 | 30            | 67  | 23112.0201 |

## 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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