# Positioning Bushings • without collar, DIN 179 A

23112.0692



## **Product Description**

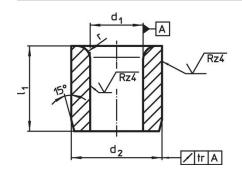
Positioning or drill bushings are used to drill repetitive holes in the same location to ensure repeatabililty.

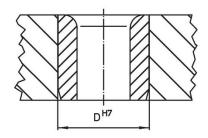
The hardened and ground positioning bushings can be used as wear-resistant guide for drills, shafts etc.

#### **Material**

· Case-hardened steel, case-hardened

### **Drawing**





### **Order information**

Dimensions				Location hole	ı	Art. No.
<b>d</b> ₁ F7	I <sub>1</sub>	d <sub>2</sub>	r	<b>D</b> H7	_	
F7   n6   [mm]				[mm]	[9]	
19	36	30	3	30	117	23112.0692

# 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/

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.



www.halder.com Page 1 of 1
Published on: 3.2.2024