

# 21-3 2-shell internal extractor with spread 18 mm - 23 mm, 35 mm depth of use



## DESCRIPTION

The internal extractors of the series 21 are used for pulling out internal bearings, bearing outer rings, and bushings in craftsmanship, workshops, and industry. The multi-shelled design of the internal extractors with their extra large gripping edges allows for the safe pulling out of internal components. The series 21 impresses with its compatibility and versatility of applications. Depending on the application, there are numerous variants of the optionally 2-jaw or 3-jaw internal extractors. They are used either together with counter stays or with sliding hammers.

## APPLICATION AREA

For extracting internal bearings, bearing outer rings and bushes

## BENEFIT

- The robust construction and built-in spindle stop not only ensure strong but also safe work.
- Due to the extraordinary clamping force and the mechanical spindle, even bearings that are closely seated on the back wall are securely and quickly removed.
- The design of bearings or inner rings that form a blind hole ensures a secure grip during mounting and turning out.
- The thread adapters for internal extractors are included with the counter stays and sliding hammers.

## OPERATION

- Determine the inner diameter of the ball bearing and select the appropriate internal puller
- Insert the internal puller into the hole and tighten the locking nut
- If a support surface is available, choose the counter stay; otherwise, select the sliding hammer

Operation with counter stay: Support the counter stay on the housing and screw it onto the wedge spindle of the internal puller

- Hold the handle of the counter stay and safely pull out the bearing by tightening the nut
- Retighten the locking nut while pulling out

Operation with sliding hammer: Screw the sliding hammer rod onto the wedge spindle of the internal puller

- Use the sliding hammer with a striking motion to pull out the bearing

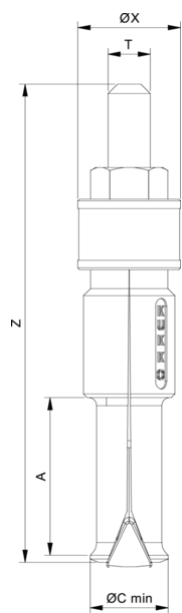
## APPLICATION IMAGE



## MASTER DATA

GTIN [EAN]	4021176011153
Country of origin	DE
Case material	Tool steel
Series	21
Net weight [kg]	0,225 kg
Package contents	1 piece
Packaging Act	PAP 21
Global sales capability given	Yes (REACH, RoHS, POP, PROP65, TSCA)

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Abbreviation	Attribut	Wert
Z	Total height [mm]	120 mm
S1	Width across flats [mm]	17 mm
Emin	Span inside pull-out (min.) [mm]	18 mm
Emax	Span inside pull-out (max.) [mm]	23 mm
X	Diameter of the extractor [mm]	25 mm
T	Mounting thread [nominal dimension]	M10



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