

# 20-4-5 2-jaw universal puller, up to 520 mm spread, 500 mm reach with extended jaws



## DESCRIPTION

The 2-jaw universal puller with extended jaws is used for pulling out deeply seated bearings, gears, and disks in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that is mounted on a shaft and freely accessible from the outside. Equipped with sturdy and adjustable standard jaws, the puller all-rounder ensures particularly safe and non-destructive disassembly during both external extraction and internal extracting.

## APPLICATION AREA

For pulling off deep-seated bearings, gears and pulleys

## BENEFIT

- The screw connection allows easy loosening and particularly tight fastening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counter-holding
- Variable adjustment to any spread between 15 mm – 520 mm
- Shear-safe suspension of the claw in the sliding piece (ARMLOCK Technology)
- Safe positioning of the spindle through a rotatable spindle tip on both smooth surfaces and during centering (SWITCH Technology)
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe working with socket wrench.
- Spindle run-out to protect the thread

## OPERATION

- Place the puller jaws from the outside onto the part to be pulled off
- Slide the claws under the component
- Use a wrench to secure the jaws
- Manually pull the spindle for fixation
- Set the hexagon at the spindle head in motion with a ratchet or a box wrench until the component is released

## MASTER DATA

|                               |                                      |
|-------------------------------|--------------------------------------|
| GTIN [EAN]                    | 4021176467554                        |
| Country of origin             | DE                                   |
| Case material                 | Tool steel                           |
| Series                        | 20-Classic                           |
| Net weight [kg]               | 16,6 kg                              |
| Package contents              | 1 piece                              |
| Packaging Act                 | PAP 21                               |
| Global sales capability given | Yes (REACH, RoHS, POP, PROP65, TSCA) |

## SPARE PARTS

- 20-4-T\_crossbar for 20-4
- 3-500-P\_Standard jaws
- 633370\_Double-sided spindle tip
- 633400\_Mechanical pressure spindle

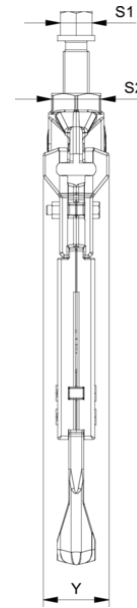
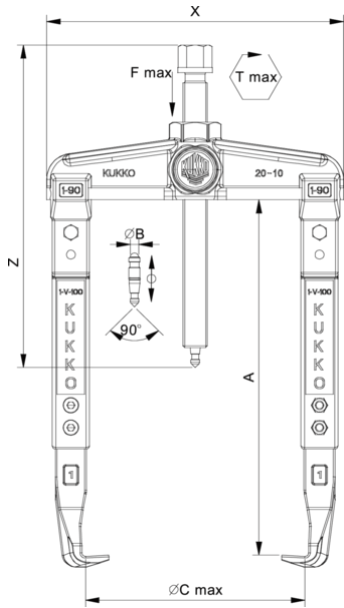
## APPLICATION IMAGE



## DETAIL IMAGE

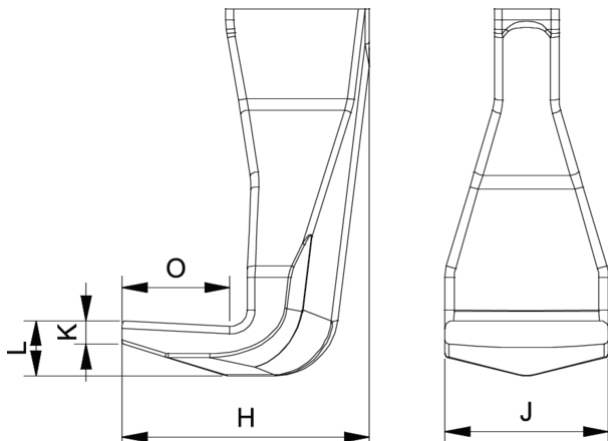


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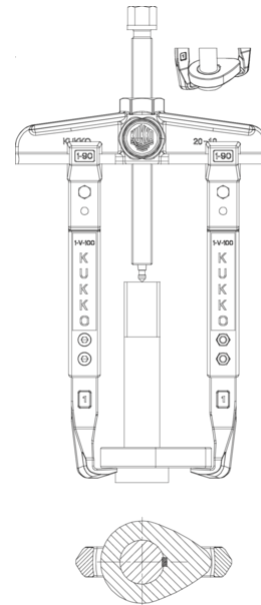


| Abbreviation | Attribut  | Wert    |
|--------------|---|---------|
| X            | Total width [mm]  | 600 mm  |
| Z            | Total height [mm]   | 451 mm  |
| A            | Clamping depth outside pull-off [mm]                              | 500 mm  |
| S1           | Width across flats [mm]   | 36 mm   |
| Cmin         | Span outside pull-off (min.) [mm]                                 | 15 mm   |
| Cmax         | Span outside pull-off (max.) [mm]                                 | 520 mm  |
| K            | Hook root thickness at the tip (claw thickness K) [mm]            | 4 mm    |
| J            | Hook base width (claw width J) [mm]                               | 35 mm   |
| O            | Hook base depth usable (claw depth usable O) [mm]                 | 32,5 mm |
| H            | Total hook root depth (total claw depth H) [mm]                   | 67 mm   |
| L            | Total claw thickness (L+1mm) (claw distance to base surface) [mm] | 20 mm   |
| Emin         | Span inside pull-out (min.) [mm]                                  | 200 mm  |
| Emax         | Span inside pull-out (max.) [mm]                                  | 590 mm  |
| Tmax         | Max. torque [Nm]  | 400 Nm  |
| Fmax         | Max. tractive force [t]   | 15 t    |
| Fmax         | Max. tensile force [kN]   | 150 kN  |

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