# 120-30 2-jaw universal puller "VARIO" with spring-loaded fall protection, up to 350 mm spread, 200 mm reach




## DESCRIPTION

The 2-jaw and 3-jaw Universal Pullers "VARIO" with spring-loaded hook safety are used for pulling bearings, gears, and discs in all common sizes for crafts, workshops, and industries. This allows for the removal of any component that sits on a shaft and is easily accessible from the outside. Equipped with robust, always parallel puller jaws, the pullers ensure a particularly safe, damage-free disassembly during both external extraction and internal pulling. The hook safety prevents the puller jaws from slipping off the crossbar.

## APPLICATION AREA

To detach bearings, gears, and discs in all common sizes for crafts, workshops, and industry.

## BENEFIT

- Fall protection protects against the jaws sliding off the crossbar.
- By pressing the safety lock, a particularly fast inversion of the jaws is guaranteed.
- Application also for eccentric components through free-moving, sliding puller jaws on the crossbar.
- Adjustment to any span between 10 mm – 350 mm
- Safe mounting of the spindle with a movable spindle tip on both smooth surfaces and for centering (Switch Technology)
- Optional convertible from an external puller to an internal extractor by flipping the jaws.
- Anti-slip safety at the spindle neck for safe working with a wrench.

## APPLICATION IMAGE



## DETAIL IMAGE



## OPERATION

- Place the puller jaws from the outside onto the part to be removed
- Slide the claws under the component
- Manually pull the spindle for fixation
- Set the hexagon on the spindle head into motion with a ratchet or an open-end wrench until the component is detached

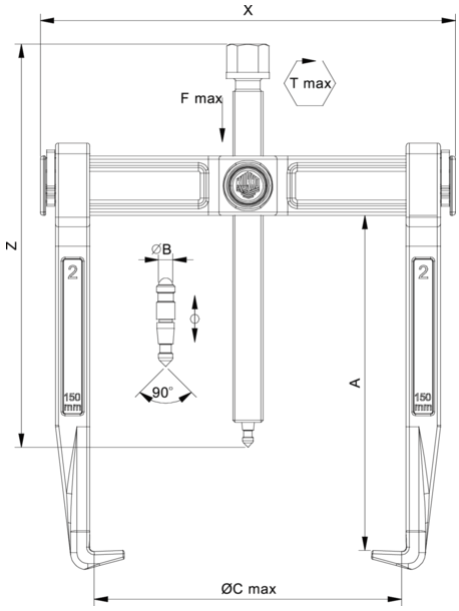
## MASTER DATA

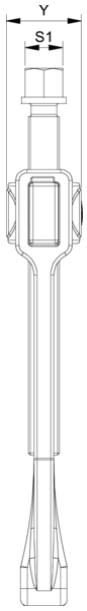
| | |
|---|---|
| GTIN [GTIN] | 4021176918759 |
| Country of origin | DE |
| Material | Tool steel |
| Series | 120 |
| Gross weight [kg] | 5,025 kg |
| Package contents | 1 piece |
| Packaging Act | PAPPE PAP 21 |
| Worldwide sales capability | Yes (REACH, RoHS, POP, PROP65, TSCA) |

## SPARE PARTS

- 0-200-P_2 jaws (Pair)
- 120-30-T_Crossbar
- 623230_Mechanical spindle

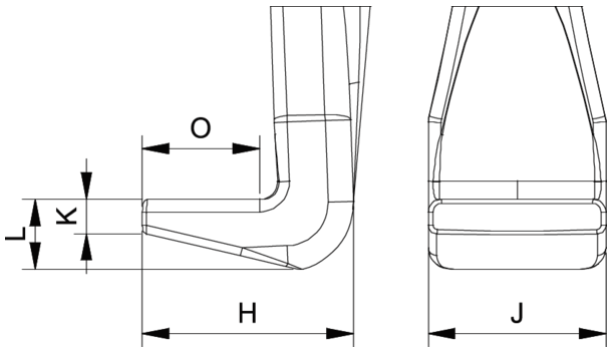
# 2-jaw universal puller "VARIO" with spring-loaded fall protection, up to 350 mm spread, 200 mm reach




| Abbreviation | Attribut | Wert |
|---|---|---|
| X | Total width [mm] | 416 mm |
| Y | Total depth [mm] | 38,5 mm |
| Z | Total height [mm] | 265,5 mm |
| A | Clamping depth of external puller [mm] | 200 mm |
| S1 | Width across flats [mm] | 24 mm |
| Cmin | Span outside pull-off (min.) [mm] | 10 mm |
| Cmax | Span outside pull-off (max.) [mm] | 350 mm |
| K | Hook root thickness at the tip (claw thickness K) [mm] | 5,49 mm |
| J | Hook base width (claw width J) [mm] | 28,2 mm |
| O | Hook base depth usable (claw depth usable O) [mm] | 20 mm |
| H | Total hook root depth (total claw depth H) [mm] | 42 mm |
| L | Total claw thickness (L+1mm) [mm]: (claw distance to base surface) | 15 mm |
| Emin | Span inside pull-out (min.) [mm] | 125 mm |
| Emax | Span inside pull-out (max.) [mm] | 400 mm |
| Tmax | Max. torque [Nm] | 120 Nm |
| Fmax | Max. tractive force [t] | 4 t |
| Fmax | Max. tensile force [kN] | 40 kN |


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