# 120-20 2-jaw universal puller "VARIO" with spring-loaded fall protection, up to 250 mm spread, 150 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 – 250 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.

## 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

## APPLICATION IMAGE



## DETAIL IMAGE



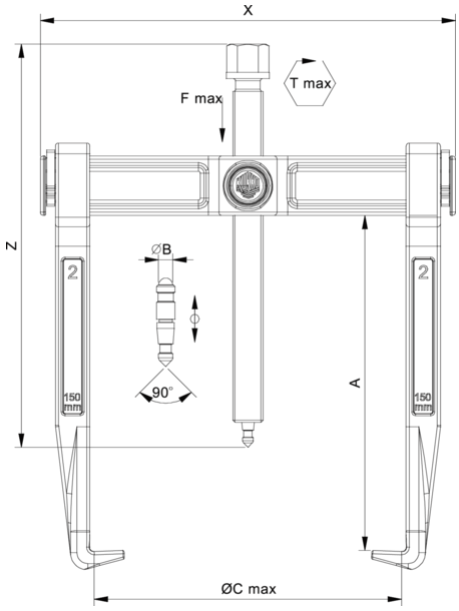
## MASTER DATA

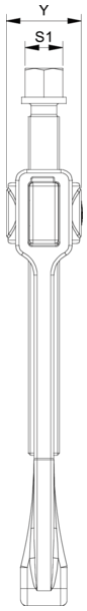
| | |
|---|---|
| GTIN [GTIN] | 4021176918674 |
| Country of origin | DE |
| Material | Tool steel |
| Series | 120 |
| Gross weight [kg] | 3,005 kg |
| Package contents | 1 piece |
| Packaging Act | Rezykkat rHDPE 61 |
| Worldwide sales capability | Yes (REACH, RoHS, POP, PROP65, TSCA) |

## SPARE PARTS

- 0-150-P_2 jaws (pair)
- 120-20-T_Crossbar
- 621170_Mechanical spindle

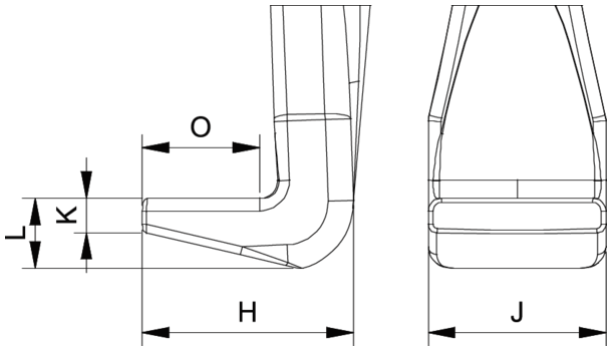
# 2-jaw universal puller "VARIO" with spring-loaded fall protection, up to 250 mm spread, 150 mm reach




| Abbreviation | Attribut | Wert |
|---|---|---|
| X | Total width [mm] | 316 mm |
| Y | Total depth [mm] | 41,5 mm |
| Z | Total height [mm] | 203 mm |
| A | Clamping depth of external puller [mm] | 150 mm |
| S1 | Width across flats [mm] | 24 mm |
| Cmin | Span outside pull-off (min.) [mm] | 10 mm |
| Cmax | Span outside pull-off (max.) [mm] | 250 mm |
| K | Hook root thickness at the tip (claw thickness K) [mm] | 5 mm |
| J | Hook base width (claw width J) [mm] | 28,5 mm |
| O | Hook base depth usable (claw depth usable O) [mm] | 20 mm |
| H | Total hook root depth (total claw depth H) [mm] | 44 mm |
| L | Total claw thickness (L+1mm) [mm]: (claw distance to base surface) | 15 mm |
| Emin | Span inside pull-out (min.) [mm] | 130 mm |
| Emax | Span inside pull-out (max.) [mm] | 300 mm |
| Tmax | Max. torque [Nm] | 100 Nm |
| Fmax | Max. tractive force [t] | 3 t |
| Fmax | Max. tensile force [kN] | 30 kN |

| Abbreviation | Attribut | Wert |
|---|---|---|
| X | Total width [mm] | 316 mm |
| Y | Total depth [mm] | 41,5 mm |
| Z | Total height [mm] | 203 mm |
| A | Clamping depth of external puller [mm] | 150 mm |
| S1 | Width across flats [mm] | 24 mm |
| Cmin | Span outside pull-off (min.) [mm] | 10 mm |
| Cmax | Span outside pull-off (max.) [mm] | 250 mm |
| K | Hook root thickness at the tip (claw thickness K) [mm] | 5 mm |
| J | Hook base width (claw width J) [mm] | 28,5 mm |
| O | Hook base depth usable (claw depth usable O) [mm] | 20 mm |
| H | Total hook root depth (total claw depth H) [mm] | 44 mm |
| L | Total claw thickness (L+1mm) [mm]: (claw distance to base surface) | 15 mm |
| Emin | Span inside pull-out (min.) [mm] | 130 mm |
| Emax | Span inside pull-out (max.) [mm] | 300 mm |
| Tmax | Max. torque [Nm] | 100 Nm |
| Fmax | Max. tractive force [t] | 3 t |
| Fmax | Max. tensile force [kN] | 30 kN |




| Abbreviation | Attribut | Wert |
|---|---|---|
| X | Total width [mm] | 316 mm |
| Y | Total depth [mm] | 41,5 mm |
| Z | Total height [mm] | 203 mm |
| A | Clamping depth of external puller [mm] | 150 mm |
| S1 | Width across flats [mm] | 24 mm |
| Cmin | Span outside pull-off (min.) [mm] | 10 mm |
| Cmax | Span outside pull-off (max.) [mm] | 250 mm |

| | | |
|---|---|---|
| K | Hook root thickness at the tip (claw thickness K) [mm] | 5 mm |
| J | Hook base width (claw width J) [mm] | 28,5 mm |
| O | Hook base depth usable (claw depth usable O) [mm] | 20 mm |
| H | Total hook root depth (total claw depth H) [mm] | 44 mm |
| L | Total claw thickness (L+1mm) [mm]: (claw distance to base surface) | 15 mm |
| Emin | Span inside pull-out (min.) [mm] | 130 mm |
| Emax | Span inside pull-out (max.) [mm] | 300 mm |
| Tmax | Max. torque [Nm] | 100 Nm |
| Fmax | Max. tractive force [t] | 3 t |
| Fmax | Max. tensile force [kN] | 30 kN |