30-1+S 3-jaw universal puller with narrow, quick adjustment jaws, up to 90 mm spread, 100 mm reach



DESCRIPTION

The 3-jaw universal puller with narrow, quick adjustment jaws is used for the safe and user-friendly pulling of bearings, gears and discs in all common sizes for trades, workshops and industry. This makes it possible to loosen any component that sits on a shaft and is freely accessible from the outside. The narrow jaws ensure that even tight and hard-to-access gaps can be reached. The 3-jaw design guarantees uniform load distribution and thus a particularly secure hold on the part to be pulled.

APPLICATION AREA

For the safe and user-friendly removal of bearings, gears, and discs in all common sizes for crafts, workshops, and industry.

BENEFIT

- Narrow jaws grip optimally in tight and hard-to-reach places.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.
- Simple manual release of the jaws using hand knobs (Quick Adjust Technology)
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counter-holding
- Quick-adjustable jaws guarantee an immediate adjustment to any span between 8 mm – 90 mm
- Anti-slip safety suspension of the claw in the sliding piece (Armlock Technology)
- Safe setup of the spindle through a swivel spindle tip on both smooth surfaces and during centering (Switch Technology)
- Optional convertible from an External Puller to an Internal Extractor by flipping the Jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe work with wrench.
- Spindle outlet for thread protection
- Jaws, spindle, and crossbar have a spare part number for easy reordering.

OPERATION

- Place the pulling jaws from the outside on the part to be removed
- Slide the claws under the component
- Use the hand knob for manual attachment of the jaws
- Manually pull the spindle for fixation
- Put the hexagon at the spindle head into motion with a ratchet or a combination wrench until the component is loosened

APPLICATION IMAGE



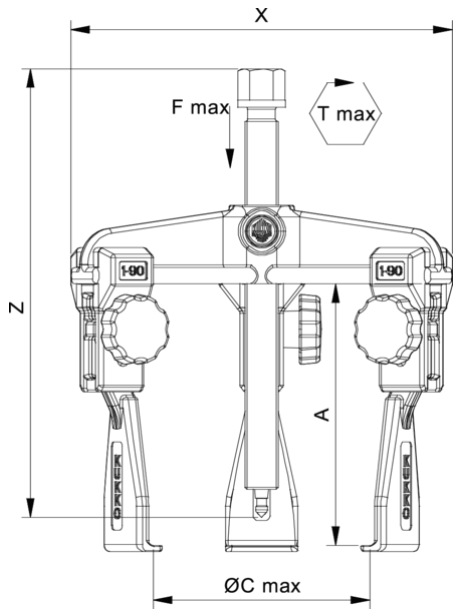
MASTER DATA

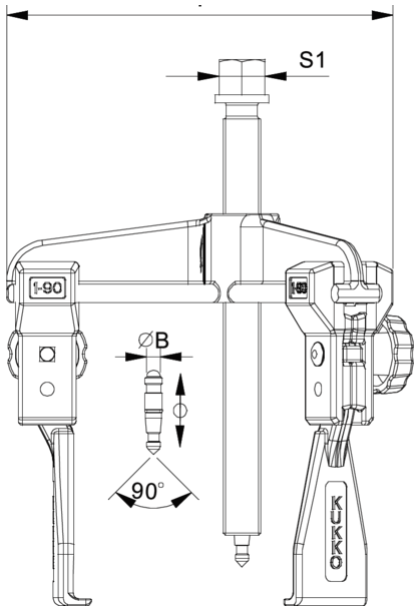
GTIN [GTIN]	4021176756894
Country of origin	DE
Material	Tool steel
Series	30+S
Gross weight [kg]	1,46 kg
Package contents	1 piece
Packaging Act	PAPPE PAP 21
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 1-93-S_3 narrow, quick-adjustable jaws (set)
- 30-1-T_Crossbar
- 612140_Double-sided spindle tip
- 614135_Mechanical Drive Spindle

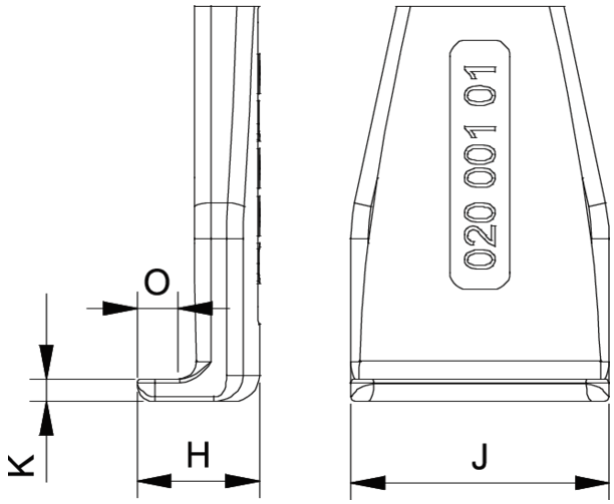
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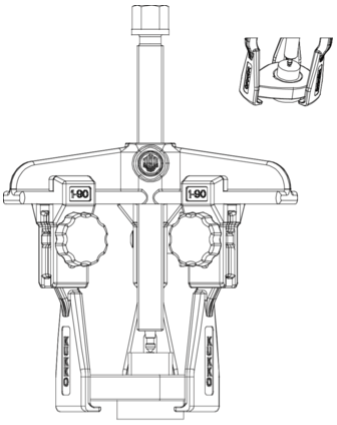
Abbreviation	Attribut	Wert
X	Total width [mm]	136 mm
Y	Total depth [mm]	136 mm
Z	Total height [mm]	158 mm
A	Clamping depth of external puller [mm]	100 mm
S1	Width across flats [mm]	17 mm
Cmin	Span outside pull-off (min.) [mm]	8 mm
Cmax	Span outside pull-off (max.) [mm]	90 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	3 mm
J	Hook base width (claw width J) [mm]	30 mm
O	Hook base depth usable (claw depth usable O) [mm]	9,5 mm
H	Total hook root depth (total claw depth H) [mm]	13 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	2,6 mm
Emin	Span inside pull-out (min.) [mm]	70 mm
Emax	Span inside pull-out (max.) [mm]	140 mm
Tmax	Max. torque [Nm]	40 Nm
Fmax	Max. tractive force [t]	3 t
Fmax	Max. tensile force [kN]	30 kN

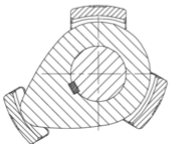
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