30-1-S-T 3-jaw universal puller with extremely narrow jaws, up to 90 mm spread, 100 mm reach



DESCRIPTION

The 3-jaw universal puller with extremely narrow jaws and trapezoidal support surface at the claw is used for securely pulling gear wheels, bearings, sprockets, synchronizers, and similar components. This allows for the loosening of any component mounted on a shaft that is freely accessible from the outside. The special design of the jaws ensures that even very tight and hard-to-reach spaces can be accessed. The 3-jaw design guarantees a uniform load distribution and thus a particularly secure grip on the part being pulled.

APPLICATION AREA

For safe removal of gears, bearings, sprockets, synchronizer bodies, and similar components.

BENEFIT

- The extremely slim design of the jaws is optimal for tight and hard-to-reach places.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.
- The screw connection enables 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 span between 13 mm – 90 mm
- Anti-slip safety suspension of the claw in the sliding piece (Armlock Technology)
- Safe installation of the spindle through a rotating spindle tip on both smooth surfaces and in centrings (Switch Technology)
- Optional swappable from an external puller to an internal extractor by reversing the jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe work with wrench.
- Spindle discharge to protect the thread

OPERATION

- Position the puller jaws from the outside onto the part to be removed
- Slide the jaws under the component
- Use a wrench to secure the jaws
- Manually pull the spindle to fix it under pressure
- Set the hexagon at the spindle head in motion with a ratchet or open-ended wrench until the component is released

APPLICATION IMAGE



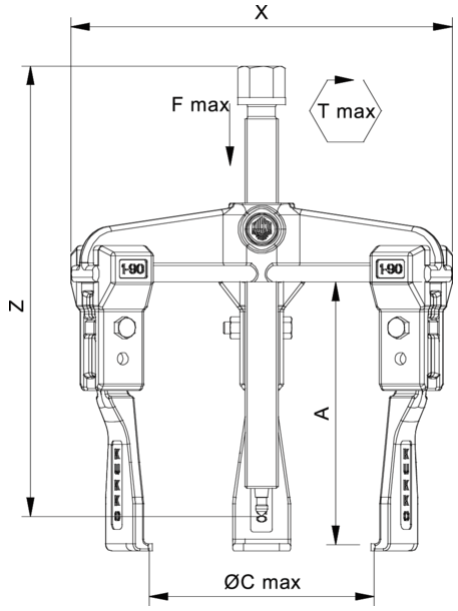
MASTER DATA

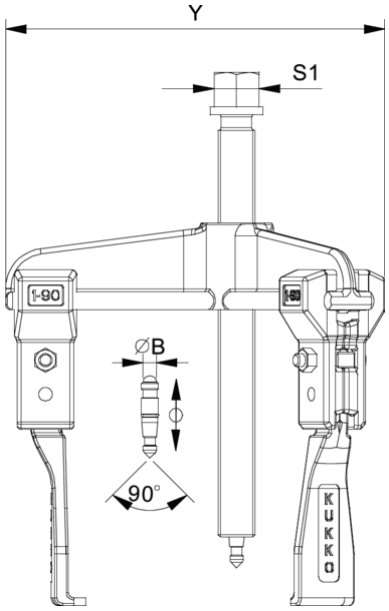
GTIN [GTIN]	4021176321689
Country of origin	DE
Material	Tool steel
Series	30-S-T
Gross weight [kg]	1,335 kg
Package contents	1 piece
Packaging Act	PAPPE PAP 21
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 1-94-S_3 extremely narrow puller hooks (set)
- 30-1-T_Crossbar
- 612140_Double-sided spindle tip
- 614135_Mechanical Drive Spindle

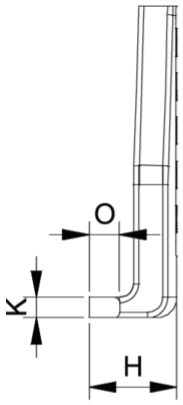
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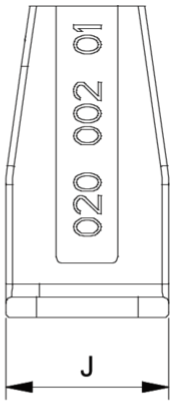


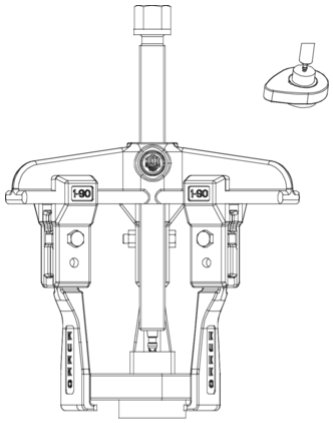


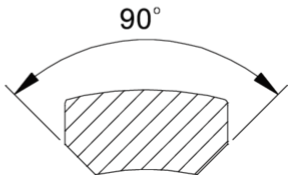
Abbreviation	Attribut	Wert
X	Total width [mm]	136 mm
Y	Total depth [mm]	136 mm
Z	Total height [mm]	158 mm
A	Clamping depth of external puller [mm]	100 mm
S1	Width across flats [mm]	17 mm
Cmin	Span outside pull-off (min.) [mm]	13 mm
Cmax	Span outside pull-off (max.) [mm]	90 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	3 mm
J	Hook base width (claw width J) [mm]	24 mm
O	Hook base depth usable (claw depth usable O) [mm]	7 mm
H	Total hook root depth (total claw depth H) [mm]	14 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	3 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

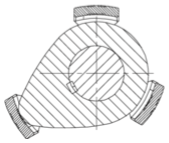
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