30-20xSP 3-jaw universal puller with narrow, quick-adjustable jaws in a set, up to 200 mm span, 300 mm reach



DESCRIPTION

The 3-jaw universal puller with narrow, quick adjustment jaws is used for the safe extraction of bearings, gears, and discs. Equipped with three pairs of jaws in different lengths, it allows extraction operations with various combinations and depths. This allows any component seated on a shaft and externally accessible to be extracted. The narrow jaws ensure that even tight and hard-to-reach spaces are accessible. The 3-jaw configuration guarantees even load distribution and thus particularly secure grip on the part to be extracted. The Soft-Touch knurls ensure maximum comfort of use even with wet or oily hands.

APPLICATION AREA

To safely remove bearings, gears, and discs.

BENEFIT

- The slender design of the jaws grips optimally on narrow and hard-to-reach areas.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Shear-resistant suspension of the claw in the sliding piece (jaw lock Technology)
- Hexagonal profile on the crossbar for secure counter-holding
- Variable adjustment to any span between 11 mm – 200 mm
- Spindle extension for the protection of the thread
- 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.
- Jaws, spindle, and crossbar have a spare part number for easy reordering.
- Pullers are labeled with technical attributes and manufacturer information (label)

OPERATION

- Attach the jaws from outside to the part to be pulled off - Slide the claw under the component - Use a wrench to secure the jaws - Manually pull the spindle to apply pressure - Move the hexagon at the spindle head with a ratchet or a wrench until the component is released

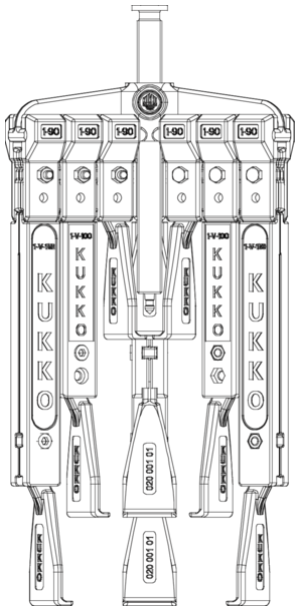
MASTER DATA

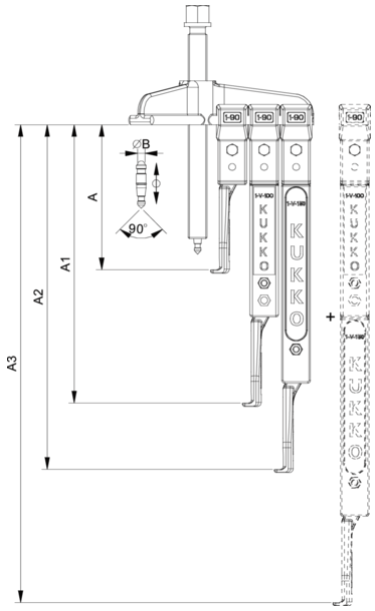
GTIN [GTIN]	4021176011573
Country of origin	DE
Material	Tool steel
Series	30xSP
Gross weight [kg]	7,66 kg
Package contents	1 set
Packaging Act	PAPPE PAP 21
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 2-153-Sx_3 narrow, quick-adjustable jaws (set)
- 2-303-Sx_3 narrow, quick-adjusting jaws (set)
- 2-V-150-S_3 puller extensions (set)
- 30-20-T3_Crossbar
- 620260_Two-sided spindle tip
- 621220_Mechanical pressure spindle

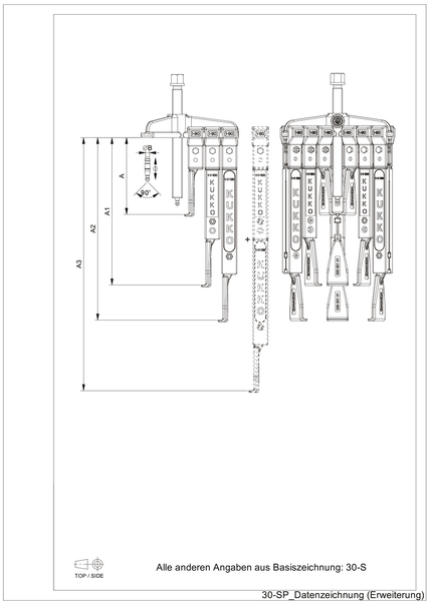
3-jaw universal puller with narrow, quick-adjustable jaws in a set, up to 200 mm span, 300 mm reach





Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Y	Total depth [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth of external puller [mm]	300 mm
S1	Width across flats [mm]	22 mm
Cmin	Span outside pull-off (min.) [mm]	11 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
A1	Clamping depth of external pull-off A1 [mm]	300 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	32 mm
O	Hook base depth usable (claw depth usable O) [mm]	12 mm
H	Total hook root depth (total claw depth H) [mm]	20 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	4 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	120 Nm
Fmax	Max. tractive force [t]	5 t
Fmax	Max. tensile force [kN]	50 kN

Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Y	Total depth [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth of external puller [mm]	300 mm
S1	Width across flats [mm]	22 mm
Cmin	Span outside pull-off (min.) [mm]	11 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
A1	Clamping depth of external pull-off A1 [mm]	300 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	32 mm
O	Hook base depth usable (claw depth usable O) [mm]	12 mm
H	Total hook root depth (total claw depth H) [mm]	20 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	4 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	120 Nm
Fmax	Max. tractive force [t]	5 t
Fmax	Max. tensile force [kN]	50 kN



30-SP_Datenzeichnung (Erweiterung)

Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Y	Total depth [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth of external puller [mm]	300 mm
S1	Width across flats [mm]	22 mm
Cmin	Span outside pull-off (min.) [mm]	11 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
A1	Clamping depth of external pull-off A1 [mm]	300 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	32 mm
O	Hook base depth usable (claw depth usable O) [mm]	12 mm
H	Total hook root depth (total claw depth H) [mm]	20 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	4 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	120 Nm
Fmax	Max. tractive force [t]	5 t
Fmax	Max. tensile force [kN]	50 kN