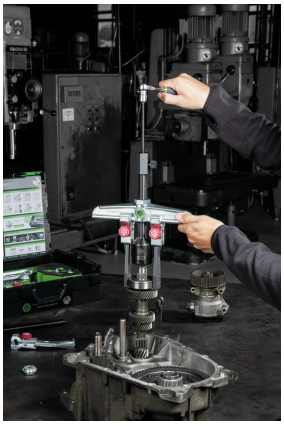
20-10+SP 2-jaw universal puller with narrow, quick adjustment jaws in a set, up to 120 mm spread, 350 mm reach



APPLICATION IMAGE



DESCRIPTION

The 2-jaw universal puller with narrow, quickly adjustable extractor jaws is used for safely and user-friendly extracting of bearings, gears, and discs in all common sizes for craftsmanship, workshops, and industry. Equipped with three pairs of extractor jaws in various lengths, extraction processes with diverse combinations and depths are made possible. This allows for the removal of any component seated on a shaft that is freely accessible from the outside. The narrow extractor jaws ensure that tight and poorly accessible spaces can also be reached.

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.
- Simple manual adjustment of the jaws using hand knobs (Quick Adjust Technology)
- Application also for eccentric components via freely movable pulling jaws gliding on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding
- Quick-adjustable jaws guarantee immediate adjustment to any spread between 16 mm – 120 mm
- Shear-proof mounting of the claw in the sliding piece (Armlock Technology)
- Secure installation of the spindle with rotatable spindle tip on both smooth surfaces and in centering (Switch Technology)
- Optional convertible from an external puller to an internal puller by reversing the jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe work with the wrench
- Spindle outlet to protect the thread
- By combining the hooks, a maximum clamping depth of 350 mm can be achieved
- Jaws, spindle, and crossbar have a spare part number for easy reordering.

OPERATION

- Position the puller jaws externally onto the part to be pulled off
- Slide the claws under the component
- Use the hand knob for manual fastening of the jaws
- Manually pull the spindle for fixation
- Set the hexagon on the spindle head in motion with a ratchet or a wrench until the component is loosened

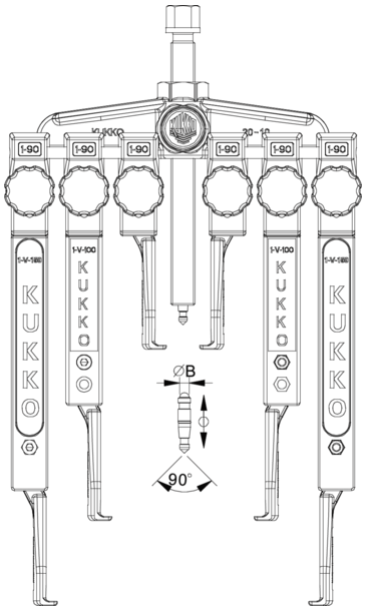
MASTER DATA

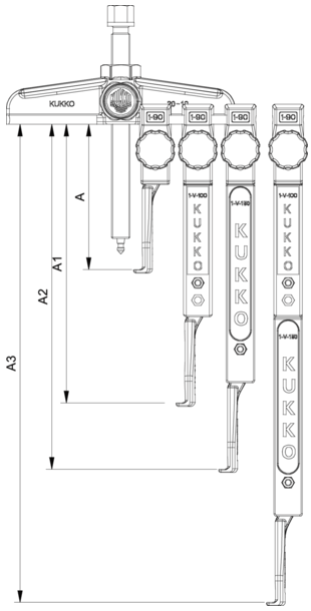
GTIN [GTIN]	4021176181061
Country of origin	DE
Material	Tool steel
Series	20+SP
Gross weight [kg]	3,875 kg
Package contents	1 set
Packaging Act	PAPPE PAP 21
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 1-193-P_Schmale, quick-adjustable jaws (Pair)
- 1-253-P_Schmale, schnellverstellbare jaws (Paar)
- 1-93-P_Narrow, quick adjustment jaws (pair)
- 20-10-T crossbar für 20-10
- 614160_Mechanical pressure spindle

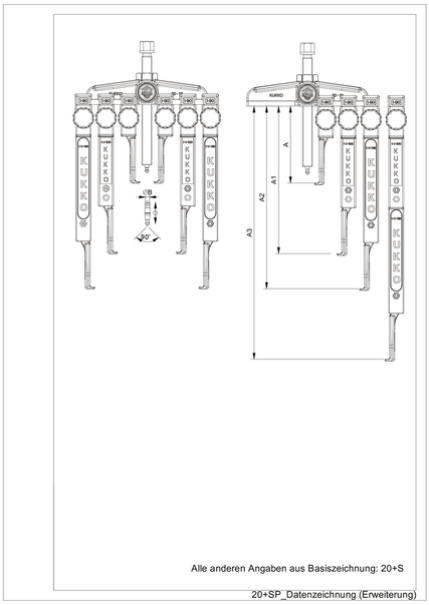
2-jaw universal puller with narrow, quick adjustment jaws in a set, up to 120 mm spread, 350 mm reach





Abbreviation	Attribut	Wert
X	Total width [mm]	172 mm
Y	Total depth [mm]	50 mm
Z	Total height [mm]	183 mm
A	Clamping depth of external puller [mm]	350 mm
S1	Width across flats [mm]	17 mm
S2	Width across flats [mm]	27 mm
Cmin	Span outside pull-off (min.) [mm]	16 mm
Cmax	Span outside pull-off (max.) [mm]	120 mm
A1	Clamping depth of external pull-off A1 [mm]	200 mm
A2	Clamping depth outside pull-off A2 [mm]	250 mm
A3	Clamping depth external pull-off A3 [mm]	350 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]	7 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)	3 mm
Emin	Span inside pull-out (min.) [mm]	70 mm
Emax	Span inside pull-out (max.) [mm]	180 mm
Tmax	Max. torque [Nm]	35 Nm
Fmax	Max. tractive force [t]	2.5 t
Fmax	Max. tensile force [kN]	25 kN

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