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



DESCRIPTION

The 2-jaw universal puller with extremely narrow, adjustable jaws and trapezoidal support surface on the claw is used for safely removing gear wheels, bearings, pinions, synchronizer bodies, and similar components. The equipment is supplied with 3 pairs of jaws in different lengths, allowing removal processes with various combinations and reach depths. This allows for the removal of any component that is mounted on a shaft and is freely accessible from the outside. The extremely narrow jaws ensure that even very tight and poorly accessible gaps can be reached.

APPLICATION AREA

To safely pull gears, bearings, sprockets, synchronizers, and similar components.

BENEFIT

- The extremely slim design of the jaws is optimal for tight and hard-to-reach places.
- The screw connection allows for easy loosening and particularly tight fastening of the jaws with an allen key.
- Application also for eccentric components via freely movable pulling jaws gliding on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding
- Variable adjustment for any span 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)
- By combining the hooks, a maximum reach of 350 mm can be achieved.
- Optional convertible from an external puller to an internal extractor by reversing the jaws.
- Anti-slip safety (spindle neck) at the spindle head for safe working with wrench.
- - 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

- Set the puller jaws externally on the part to be removed
- Slide the jaws under the component
- Use a wrench to secure the jaws
- Manually pull the spindle for fixation
- Set the hexagon on the spindle head in motion with a ratchet or a claw wrench until the component is released

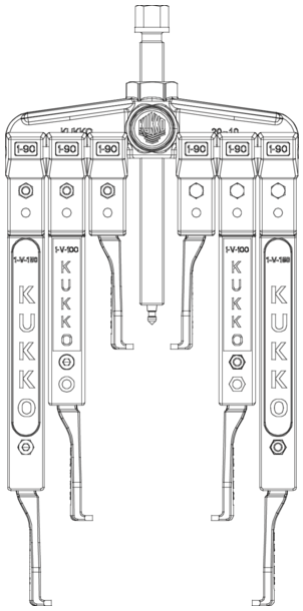
MASTER DATA

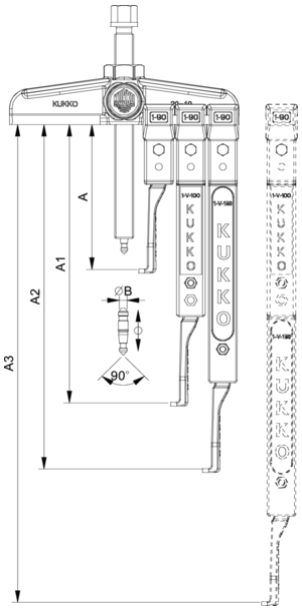
GTIN [GTIN]	4021176321658
Country of origin	DE
Material	Tool steel
Series	20-SP-T
Gross weight [kg]	3,74 kg
Package contents	1 set
Packaging Act	PAPPE PAP 21
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 1-194-P_Extrem thin puller hooks (pair)
- 1-254-P_Extreme narrow puller hooks (pair)
- 1-94-P_Extremely narrow pulling hooks (Pair)
- 20-10-T crossbar für 20-10
- 614160_Mechanical pressure spindle

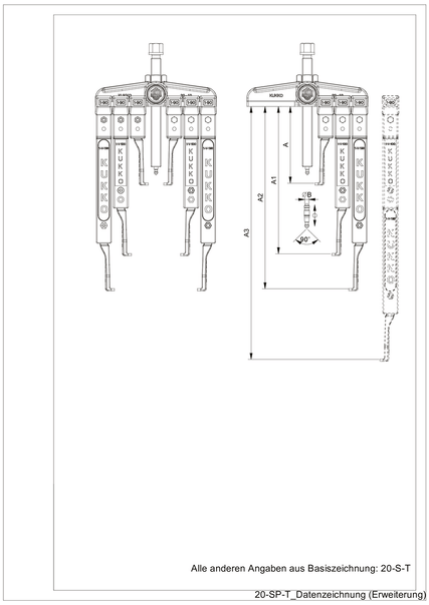
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Abbreviation	Attribut	Wert
X	Total width [mm]	172 mm
Y	Total depth [mm]	45 mm
Z	Total height [mm]	183 mm
A	Clamping depth of external puller [mm]	350 mm
S1	Width across flats [mm]	17 mm
S2	Width across flats [mm]	27 mm
Cmin	Span outside pull-off (min.) [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]	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]	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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20-SP-T_Datenzeichnung (Erweiterung)

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