20-10-P3 2-jaw universal puller with adjustable jaws in set, up to 130 mm spread, 350 mm reach



DESCRIPTION

The 2-jaw universal puller with adjustable jaws is used for particularly safe pulling of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. With the equipment of 2 pairs of jaws in various lengths, pulling processes with diverse combinations and depths are made possible. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside.

APPLICATION AREA

For particularly safe extraction of bearings, gears, and discs in all common sizes for crafts, workshops, and industry.

BENEFIT

- The screw connection allows for easy loosening and particularly tight fastening of the jaws with an allen key
- Application also for eccentric components through freely movable, sliding puller jaws on the crossbar.
- Hexagonal profile on the crossbar for secure counterholding
- Variable adjustment for any spread between 9 mm – 130 mm
- Safety of the claw suspension in the sliding piece (Armlock Technology)
- By combining the hooks, a maximum reach of 350 mm can be achieved.
- Secure mounting of the spindle through the rotating spindle tip both on smooth surfaces and during centering (Switch Technology)
- Optional convertible from an external puller to an internal puller by reversing the jaws.
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- By combining the hooks, a maximum reach of 350 mm can be achieved.
- Pullers are labeled with technical attributes and manufacturer information (label)
- Jaws, spindle, and crossbar have a spare part number for easy reordering.

OPERATION

- Place 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
- Activate the hexagon on the spindle head with a ratchet or a ring spanner until the component is released

APPLICATION IMAGE



MASTER DATA

GTIN [GTIN]	4021176267611
Country of origin	DE
Material	Tool steel
Series	20-P
Gross weight [kg]	3,97 kg
Package contents	1 set
Packaging Act	PAPPE PAP 21
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 1-190-P_Standard-jaws
- 1-250-P_Standard-jaws
- 1-90-P_standard jaws
- 20-10-T crossbar für 20-10
- 614160_Mechanical pressure spindle
- K-2030-A-KIT

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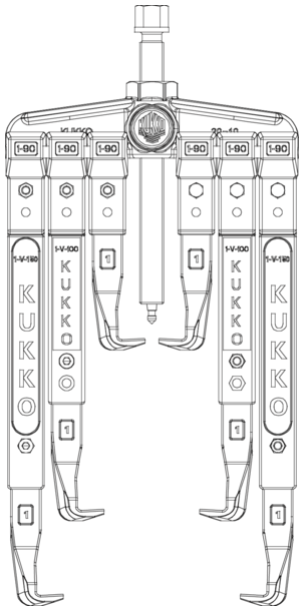

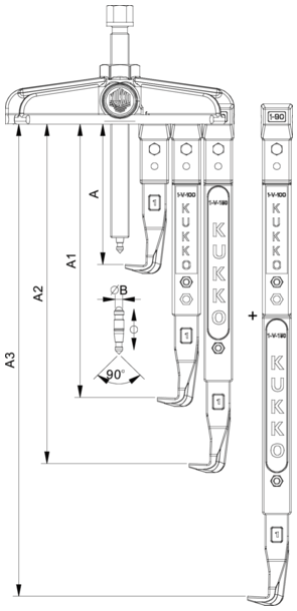

Abbreviation	Attribut	Wert
X	Total width [mm]	172 mm
Y	Total depth [mm]	37 mm
Z	Total height [mm]	333 mm
A	Clamping depth of external puller [mm]	350 mm
S1	Width across flats [mm]	17 mm
S2	Width across flats [mm]	27 mm
Cmin	Span outside pull-off (min.) [mm]	9 mm
Cmax	Span outside pull-off (max.) [mm]	130 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]	20,5 mm
O	Hook base depth usable (claw depth usable O) [mm]	15,5 mm
H	Total hook root depth (total claw depth H) [mm]	31 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	10 mm
Emin	Span inside pull-out (min.) [mm]	95 mm
Emax	Span inside pull-out (max.) [mm]	160 mm
Tmax	Max. torque [Nm]	80 Nm
Fmax	Max. tractive force [t]	4.5 t
Fmax	Max. tensile force [kN]	45 kN

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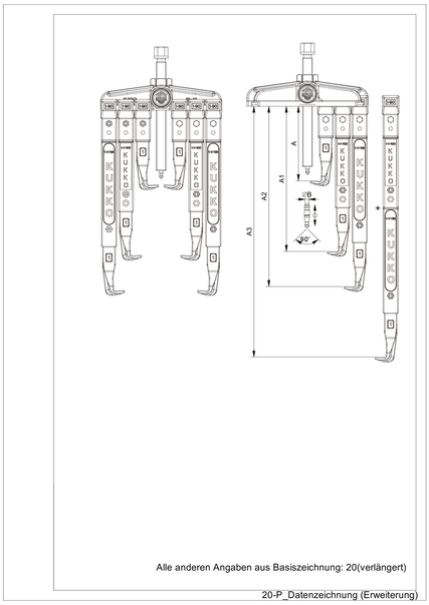

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