20-00 2-jaw universal puller, up to 95 mm spread, 75 mm reach



APPLICATION IMAGE



DESCRIPTION

Based on the ingenuity and pioneering spirit of Alfred Kleinbongartz, the universal puller with sliding, always parallel jaws in series 20 receives a functional upgrade. The focus is on ease of operation and user-friendliness. Specifically, the following optimizations were implemented: For even more flexibility during pulling, the puller range has been expanded by two sizes (20-0 and 20-00). This results in a spread range for external extraction from 0 to 750 mm as well as a maximum tension force of 2.5 to 15 t. To increase load capacity, the puller has been equipped with reinforced shoulders, creating a stable H-profile. This is thanks to the newly rethought, innovative design of the crossbar, which ensures maximum stability even under high tension force. Above the crossbar there is an adjustment scale as an orientation aid, which enables even adjustment of the jaws and, even at the highest pulling forces, ensures centered and force-optimized pulling. Thanks to the quick-clamping jaws, settings and readjustments can be carried out quickly and easily. Below the crossbar, in addition to the item number of the crossbar for reorders, there is another six-digit number. The first three digits indicate which spindle is compatible with the crossbar. The last three digits (xxx) identify the variable spindle length, which varies depending on the version between 85 mm and 600 mm. In addition to mechanical spindles with a different thread length, depending on the size of the puller, grease-hydraulic spindles can also be used as part of a hydraulic upgrade for easy and controlled pulling of particularly tight-fitting parts. Another advantage is the two eyelets on the side of the crossbar for attaching Fall protection (series 660), which additionally secures the puller and ensures safe fixing during work or storage. The 2-jaw universal puller with adjustable and robust standard jaws is used for particularly safe pulling of bearings, gears and discs in all common sizes for trade, workshop and industry. This makes it possible to loosen any component that sits on a shaft and is freely accessible from the outside. By simply turning the jaws over, the puller can also be used as an internal extractor.

APPLICATION AREA

To remove bearings, gears, and discs in all common sizes for craft, workshop, and industry.

BENEFIT

- The screw connection allows 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 spread between 0 mm – 95 mm
- Shear-safe suspension of the claw in the sliding piece (ARMLOCK Technology)
- Safe positioning of the spindle through a rotatable spindle tip on both smooth surfaces and during centering (SWITCH Technology)
- 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 socket wrench.
- Spindle run-out to protect the thread
- Jaws, spindle, and crossbar have a spare part number for easy reordering.
- Pullers are labeled with technical attributes and manufacturer information (label)

OPERATION

- Place the puller jaws from the outside onto the part to be pulled off
- Slide the claws under the component
- Use a wrench to secure the jaws
- Manually pull the spindle for fixation
- Set the hexagon at the spindle head in motion with a ratchet or a box wrench until the component is released

MASTER DATA

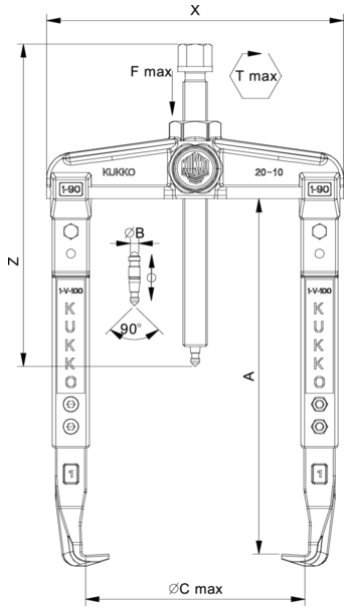
GTIN [GTIN]	4021176042317
Country of origin	DE
Material	Tool steel
Series	20-Classic
Gross weight [kg]	0,56 kg
Package contents	1 piece

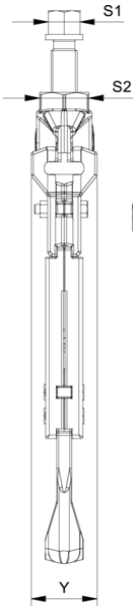
Packaging Act	Rezykkat rHDPE 61
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 0-75-E_1 Jaws (Single)
- 0-75-P_Standard jaws
- 20-00-T_Crossbar for 20-00
- 612110_Mechanical chuck spindle

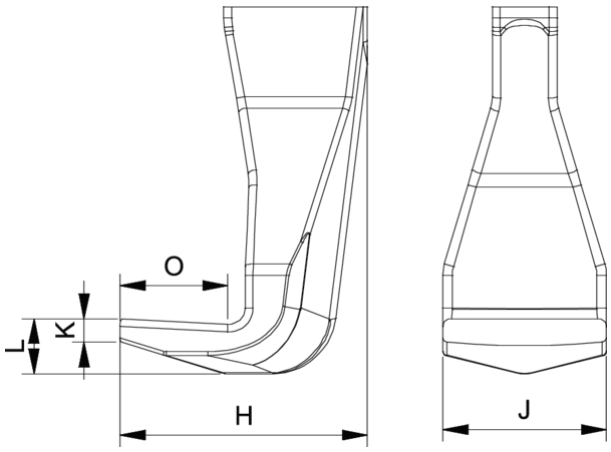
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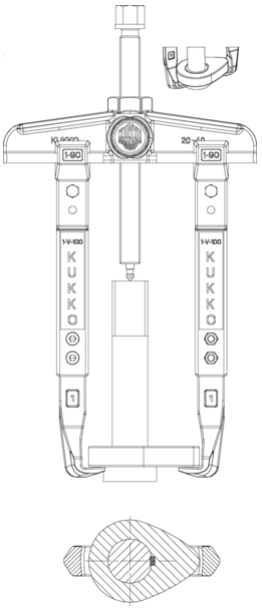
Abbreviation	Attribut	Wert
X	Total width [mm]	120 mm
Y	Total depth [mm]	29 mm
Z	Total height [mm]	133 mm
A	Clamping depth of external puller [mm]	75 mm
S1	Width across flats [mm]	13 mm
S2	Width across flats [mm]	22 mm
Cmin	Span outside pull-off (min.) [mm]	0 mm
Cmax	Span outside pull-off (max.) [mm]	95 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	1,6 mm
J	Hook base width (claw width J) [mm]	15 mm
O	Hook base depth usable (claw depth usable O) [mm]	11,5 mm
H	Total hook root depth (total claw depth H) [mm]	23 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	5,2 mm
Emin	Span inside pull-out (min.) [mm]	70 mm
Emax	Span inside pull-out (max.) [mm]	130 mm
Tmax	Max. torque [Nm]	40 Nm
Fmax	Max. tractive force [t]	2.5 t
Fmax	Max. tensile force [kN]	25 kN

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