

# 20-20-3 2-jaw universal puller, up to 200 mm spread, 300 mm reach with extended jaws



## DESCRIPTION

The 2-jaw universal puller with extended jaws is used for pulling out deeply seated bearings, gears, and disks in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that is mounted on a shaft and freely accessible from the outside. Equipped with sturdy and adjustable standard jaws, the puller all-rounder ensures particularly safe and non-destructive disassembly during both external extraction and internal extracting.

## APPLICATION AREA

For pulling off deep-seated bearings, gears and pulleys

## 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 3,2 mm – 200 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

## 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

## APPLICATION IMAGE



## DETAIL IMAGE



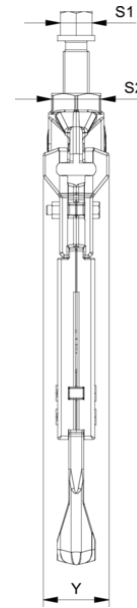
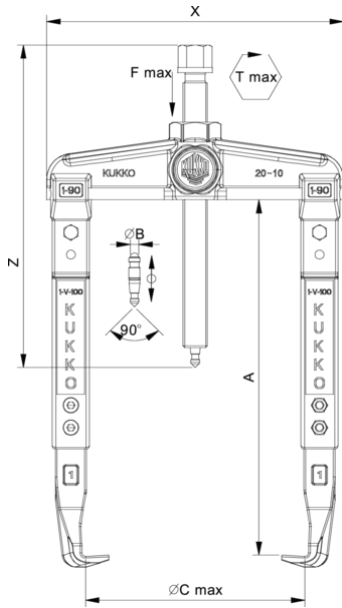
## MASTER DATA

GTIN [EAN]	4021176466649
Country of origin	DE
Case material	Tool steel
Series	20-Classic
Net weight [kg]	4,655 kg
Package contents	1 piece
Packaging Act	PAP 21
Global sales capability given	Yes (REACH, RoHS, POP, PROP65, TSCA)

## SPARE PARTS

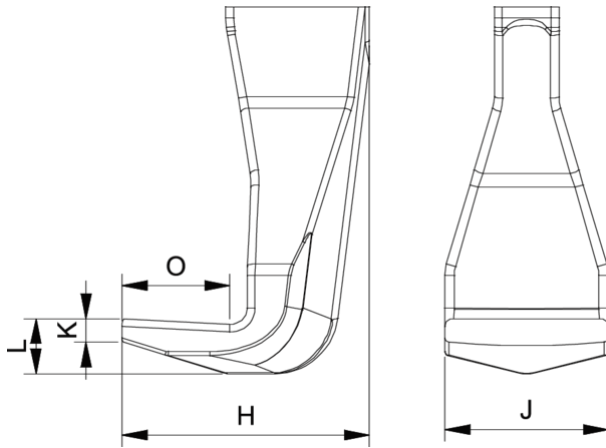
- 2-300-P\_standard jaws
- 2-V-150-P\_2 Puller jaw extensions (pair)
- 20-20-T crossbar for 20-20
- 620260\_Two-sided spindle tip
- 621220\_Mechanical pressure spindle

# 2-jaw universal puller, up to 200 mm spread, 300 mm reach with extended jaws

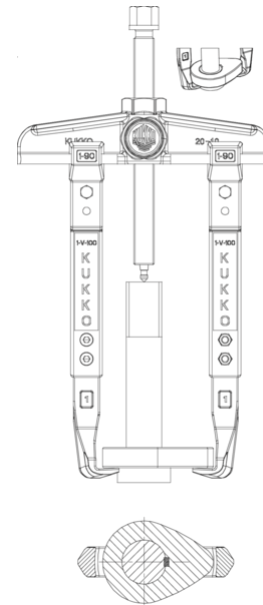


Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth outside pull-off [mm]	300 mm
S1	Width across flats [mm]	22 mm
S2	Width across flats [mm]	36 mm
Cmin	Span outside pull-off (min.) [mm]	3,2 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	24 mm
O	Hook base depth usable (claw depth usable O) [mm]	18,4 mm
H	Total hook root depth (total claw depth H) [mm]	39,95 mm
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]	9 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	150 Nm
Fmax	Max. tractive force [t]	7 t
Fmax	Max. tensile force [kN]	70 kN

Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth outside pull-off [mm]	300 mm
S1	Width across flats [mm]	22 mm
S2	Width across flats [mm]	36 mm
Cmin	Span outside pull-off (min.) [mm]	3,2 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	24 mm
O	Hook base depth usable (claw depth usable O) [mm]	18,4 mm
H	Total hook root depth (total claw depth H) [mm]	39,95 mm
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]	9 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	150 Nm
Fmax	Max. tractive force [t]	7 t
Fmax	Max. tensile force [kN]	70 kN



Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth outside pull-off [mm]	300 mm
S1	Width across flats [mm]	22 mm
S2	Width across flats [mm]	36 mm
Cmin	Span outside pull-off (min.) [mm]	3,2 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	24 mm
O	Hook base depth usable (claw depth usable O) [mm]	18,4 mm
H	Total hook root depth (total claw depth H) [mm]	39,95 mm
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]	9 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	150 Nm
Fmax	Max. tractive force [t]	7 t
Fmax	Max. tensile force [kN]	70 kN



Abbreviation	Attribut	Wert
X	Total width [mm]	260 mm
Z	Total height [mm]	254 mm
A	Clamping depth outside pull-off [mm]	300 mm
S1	Width across flats [mm]	22 mm
S2	Width across flats [mm]	36 mm
Cmin	Span outside pull-off (min.) [mm]	3,2 mm
Cmax	Span outside pull-off (max.) [mm]	200 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	4 mm
J	Hook base width (claw width J) [mm]	24 mm
O	Hook base depth usable (claw depth usable O) [mm]	18,4 mm
H	Total hook root depth (total claw depth H) [mm]	39,95 mm
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]	9 mm
Emin	Span inside pull-out (min.) [mm]	100 mm
Emax	Span inside pull-out (max.) [mm]	260 mm
Tmax	Max. torque [Nm]	150 Nm
Fmax	Max. tractive force [t]	7 t
Fmax	Max. tensile force [kN]	70 kN