221-1 3-jaw puller with conical self-centering, up to 120 mm spread, 120 mm reach



DESCRIPTION

The 3-jaw pullers with conical self-tensioning are used for the centric removal of bearings, gears, and discs in all common sizes for crafts, workshops, and industry. This allows for the loosening of any component that sits on a shaft and is freely accessible from the outside. With the tightening of the tension cone, the puller jaws are automatically centered. By operating the tension cone, the desired spread can be adjusted. Additionally, the puller jaws can be pre-tensioned using the cone to avoid possible slipping. Usable as both an external puller and an internal extractor (in combination with a sliding hammer or a counter stay) by simply reversing the puller jaws and the tension cone. The 3-jaw design ensures an even load distribution and thus a particularly secure hold on the part being removed.

BENEFIT

- Self-centering of the jaws by tightening the tension cone
- The clamping cone regulates the setting of the desired reach.
- Optional convertible from an external puller to an internal extractor by reversing the puller jaws and the tension cone.
- 3-jaw ensures an even distribution of force and allows for greater pulling forces.

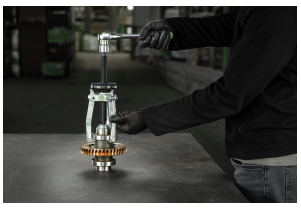
MASTER DATA

GTIN [GTIN]	4021176080166
Country of origin	DE
Material	Tool steel
Series	221
Gross weight [kg]	2,45 kg
Package contents	1 piece
Packaging Act	Rezykkat rHDPE 61
Worldwide sales capability	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

- 220-1-33_Clamping cone for BR 220 & 221
- 221-1-120-S_3 puller set
- 221-1-T_Crossbar
- 621220_Mechanical pressure spindle

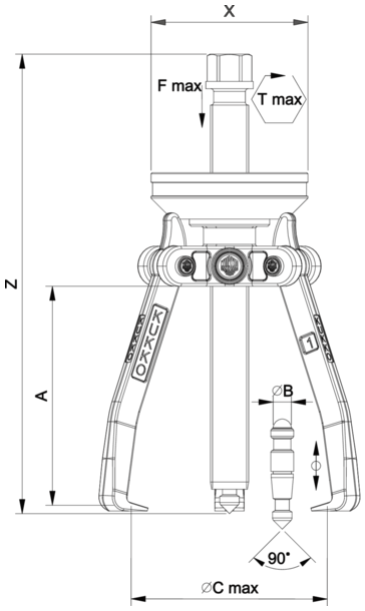
APPLICATION IMAGE

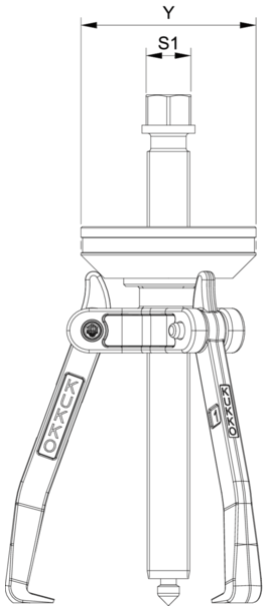


DETAIL IMAGE



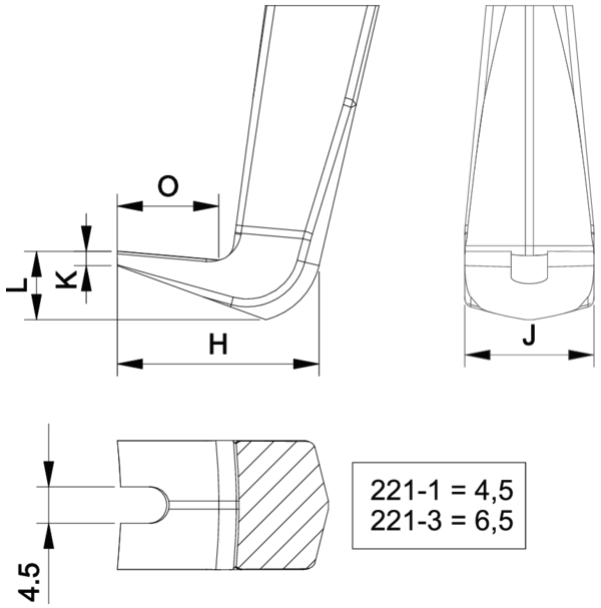
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Abbreviation	Attribut	Wert
X	Total width [mm]	100 mm
Y	Total depth [mm]	93 mm
Z	Total height [mm]	250 mm
A	Clamping depth of external puller [mm]	120 mm
S1	Width across flats [mm]	22 mm
Cmin	Span outside pull-off (min.) [mm]	0 mm
Cmax	Span outside pull-off (max.) [mm]	120 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	2 mm
J	Hook base width (claw width J) [mm]	16 mm
O	Hook base depth usable (claw depth usable O) [mm]	14 mm
H	Total hook root depth (total claw depth H) [mm]	24 mm
L	Total claw thickness (L+1mm) [mm]: (claw distance to base surface)	8 mm
Emin	Span inside pull-out (min.) [mm]	60 mm
Emax	Span inside pull-out (max.) [mm]	150 mm
Tmax	Max. torque [Nm]	130 Nm
Fmax	Max. tractive force [t]	6.5 t
Fmax	Max. tensile force [kN]	65 kN

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