

221-2 3-jaw puller with conical self-centering, up to 150 mm clamping range, 170 mm clamping depth



DESCRIPTION

The 3-jaw pullers with conical self-centering are used for the central pulling of bearings, gears, and discs in all common sizes for craftsmanship, workshop, and industry. This allows any component that sits on a shaft and is freely accessible from the outside to be loosened. By tightening the clamping cone, the puller legs are automatically centered. Operating the clamping cone allows the desired clamping range to be adjusted. Additionally, the puller legs can be pre-tensioned with the cone to prevent possible slipping. Usable both as external pullers and internal extractors (in combination with a slide hammer or a counter stay) by simply reversing the puller legs and the clamping cone. The 3-jaw design ensures even load distribution and thus a particularly secure hold on the part to be pulled.

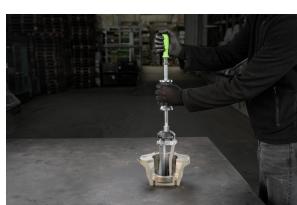
BENEFIT

- Self-centering of the puller legs by tightening the clamping cone
- The clamping cone regulates the adjustment of the desired clamping depth
- Optionally convertible from an external puller to an internal extractor by reversing the puller legs and the clamping cone
- 3-jaw ensures an even force distribution and allows for greater pulling forces

MASTER DATA

GTIN [EAN]	4021176080173
Country of origin	DE
Case material	Tool steel
Series	221
Net weight [kg]	2,45 kg
Package contents	1 piece
Packaging Act	PAP 20
Global sales capability given	Yes (REACH, RoHS, POP, PROP65, TSCA)

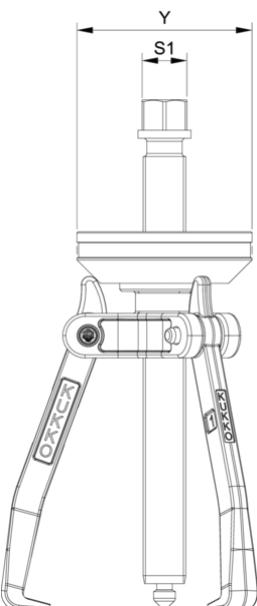
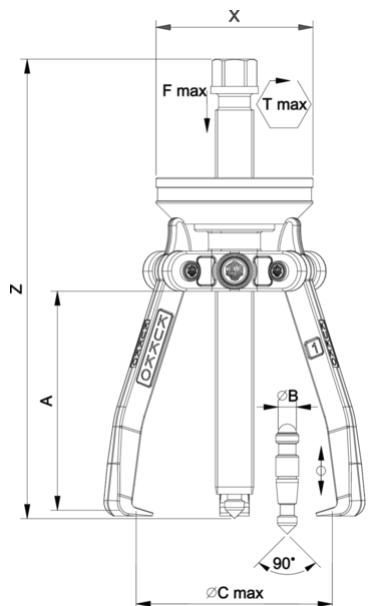
APPLICATION IMAGE



SPARE PARTS

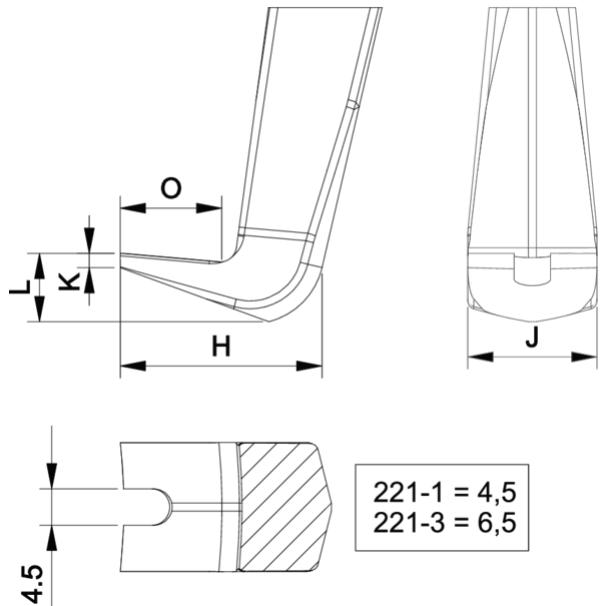
- 221-1-T_Cross beam

3-jaw puller with conical self-centering, up to 150 mm clamping range, 170 mm clamping depth



Attribut	Wert
X	Total width [mm]
Y	Total depth [mm]
Z	Total height [mm]
A	Clamping depth outside pull-off [mm]
S1	Width across flats [mm]
Cmin	Span outside pull-off (min.) [mm]
Cmax	Span outside pull-off (max.) [mm]
K	Hook root thickness at the tip (claw thickness K) [mm]
J	Hook base width (claw width J) [mm]
O	Hook base depth usable (claw depth usable O) [mm]
H	Total hook root depth (total claw depth H) [mm]
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]
Emin	Span inside pull-out (min.) [mm]
Emax	Span inside pull-out (max.) [mm]
Tmax	Max. torque [Nm]
Fmax	Max. tractive force [t]
Fmax	Max. tensile force [kN]

Attribut	Wert
X	Total width [mm]
Y	Total depth [mm]
Z	Total height [mm]
A	Clamping depth outside pull-off [mm]
S1	Width across flats [mm]
Cmin	Span outside pull-off (min.) [mm]
Cmax	Span outside pull-off (max.) [mm]
K	Hook root thickness at the tip (claw thickness K) [mm]
J	Hook base width (claw width J) [mm]
O	Hook base depth usable (claw depth usable O) [mm]
H	Total hook root depth (total claw depth H) [mm]
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]
Emin	Span inside pull-out (min.) [mm]
Emax	Span inside pull-out (max.) [mm]
Tmax	Max. torque [Nm]
Fmax	Max. tractive force [t]
Fmax	Max. tensile force [kN]



$$221-1 = 4,5$$

$$221-3 = 6,5$$

Attribut	Wert
X Total width [mm]	100 mm
Y Total depth [mm]	93 mm
Z Total height [mm]	250 mm
A Clamping depth outside pull-off [mm]	170 mm
S1 Width across flats [mm]	22 mm
Cmin Span outside pull-off (min.) [mm]	0 mm
Cmax Span outside pull-off (max.) [mm]	150 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) (claw distance to base surface) [mm]	8 mm
Emin Span inside pull-out (min.) [mm]	60 mm
Emax Span inside pull-out (max.) [mm]	180 mm
Tmax Max. torque [Nm]	130 Nm
Fmax Max. tractive force [t]	6.5 t
Fmax Max. tensile force [kN]	65 kN