

113-20 3-jaw Puller for ball bearings (Swedish model) with conical knurl, up to 125 mm clamping range, 100 mm clamping depth



APPLICATION IMAGE



DESCRIPTION

The 3-jaw puller with conical knurl has been developed in collaboration with a Scandinavian ball bearing manufacturer for the proper extraction of rolling bearings. Both the proportions of the puller and the consistently straight puller legs are specifically tailored to the requirements for centric extraction of small and medium-sized bearings in limited space conditions. This counteracts potential damage to the bearing and bearing seat during extraction. The springs guarantee synchronous opening and closing of the puller legs, making handling easier and allowing for more efficient work. The combination of the clamping ring and the spring element prevents the puller from slipping and ensures a particularly strong hold at all times. At the same time, fixing the legs with the conical knurl accelerates and simplifies the work in consistent pulling processes with identical clamping range. The 3-jaw design guarantees an even distribution of load and thus a particularly secure hold on the part being pulled.

RANGE OF APPLICATION

Suitable for 2-arm universal pullers

BENEFIT

- Automatic self-centering of the legs by tightening the clamping ring
- The clamping ring and suspension ensure a force-locked fixing of the puller without the legs slipping off or deflecting.
- Claw-shaped leg end grips the bearing form-fittingly
- For identical extraction processes, the clamping range only needs to be set once.
- Anti-slip device on the spindle head for safe working with a wrench
- Spindle outlet to protect the thread
- 3-jaw ensures even force distribution and allows for greater pulling forces
- Secure placement of the spindle through a rotatable spindle tip both on smooth surfaces and during centring (Switch Technology)

OPERATION

- Place spindle centrally on the shaft
- Tighten clamping ring until the puller legs clench the bearing force-lockingly
- Pull spindle manually to apply pressure
- Move the hexagon drive (male) on the spindle head with a ratchet or a ring spanner until the bearing is released

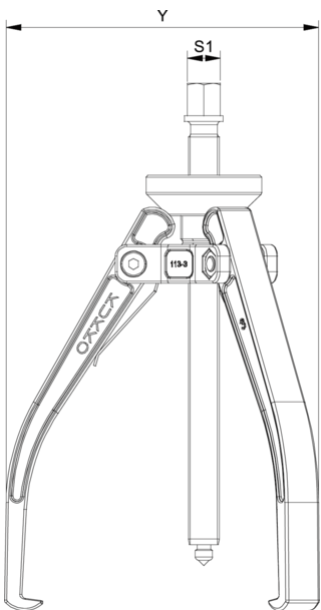
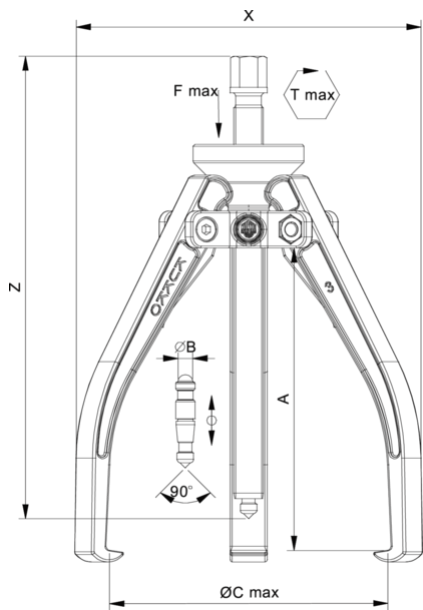
MASTER DATA

GTIN [EAN]	4021176422423
Country of origin	DE
Case material	Tool steel
Series	113
Net weight [kg]	1,23 kg
Package contents	1 piece
Packaging Act	PAP 21
Global sales capability given	Yes (REACH, RoHS, POP, PROP65, TSCA)

SPARE PARTS

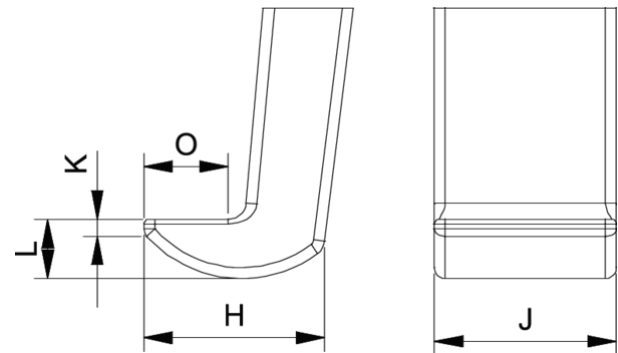
- 113-117_Replacement spindle
- 113-20-100-S_3 pulling jaws (set)
- 113-20-T_Cross beam
- 612140_Two-sided spindle tip
- 614160_Mechanical spindle

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Abbreviation	Attribut	Wert
X	Total width [mm]	139 mm
Y	Total depth [mm]	139 mm
Z	Total height [mm]	181 mm
A	Clamping depth outside pull-off [mm]	100 mm
S1	Width across flats [mm]	17 mm
Cmin	Span outside pull-off (min.) [mm]	1 mm
Cmax	Span outside pull-off (max.) [mm]	125 mm
K	Hook root thickness at the tip (claw thickness K) [mm]	3 mm
J	Hook base width (claw width J) [mm]	15 mm
O	Hook base depth usable (claw depth usable O) [mm]	8 mm
H	Total hook root depth (total claw depth H) [mm]	15 mm
L	Total claw thickness (L+1mm) (claw distance to base surface) [mm]	6,5 mm
Tmax	Max. torque [Nm]	45 Nm
Fmax	Max. tractive force [t]	3 t
Fmax	Max. tensile force [kN]	30 kN

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