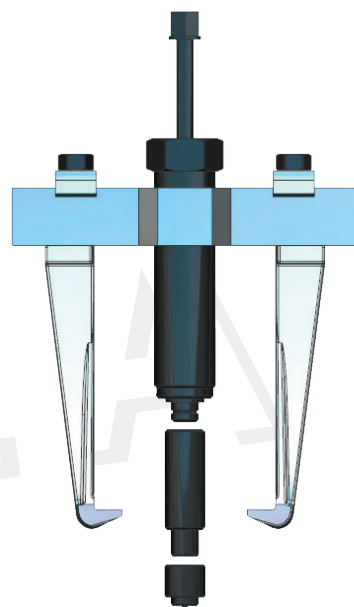




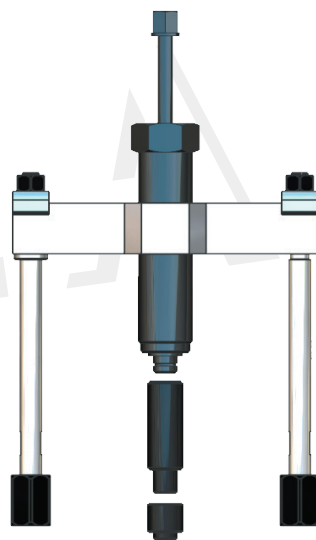
**12TM
COMPACT
SPINDLE
PULLERS**

Manual
User's manual

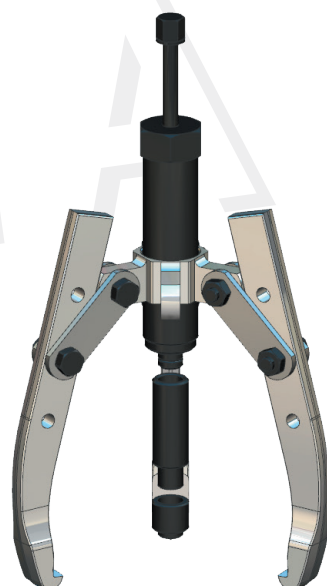
1012H



1112H



1312TH



INDEX

1. 12 Tm spindle
2. 1012H puller
3. 1112H puller
4. 2 and 3 jaws puller
5. User Instructions
6. Transformation
7. Puller set

4

5

6

8

9

10

11

Revisión 5 - 23.03.21

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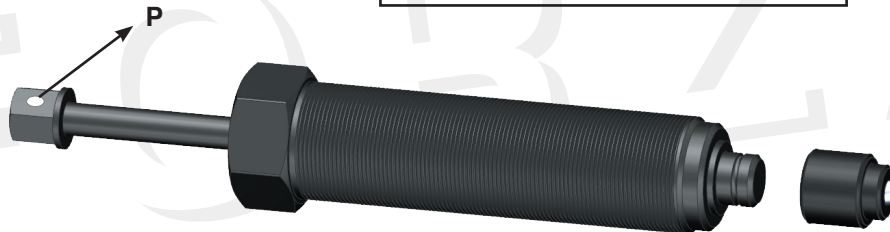
■ 1. 12 TM SPINDLE

150120 stroke = 15mm

P: Safety pin.

It breaks if the maximum allowable load is exceeded.

Grinding pin Ø3 x 16



Hydraulic spindle manually operated.

Works with grease.

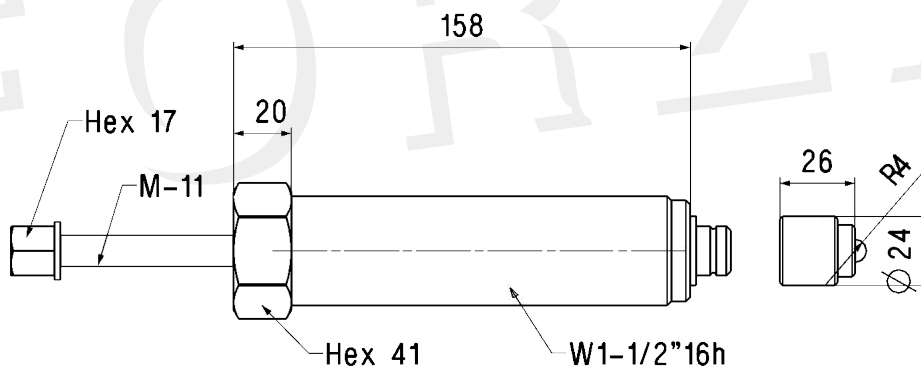
Maximum admissible torque in the 17mm hexagon: 60 Nm.

With this pair, 12 Tons are obtained. If that torque is exceeded, the spindle joints will collapse and the grease will escape.

As a preemptive measure, if you tight the screw with a 17mm wrench, you will never exceed this torque. DO NOT use big adjustable wrenches, 1/2 " ratchet levers , or levers in order to make more force.

USER INSTRUCTIONS

1. Assemble the puller following the instructions.
2. Push the spindle while turning manually the hexagonal area in order to make mechanical pressure. In this way the piston returns.
3. turn the handle to apply hidraulic pressure.
4. Follow the security instructions on page 8.

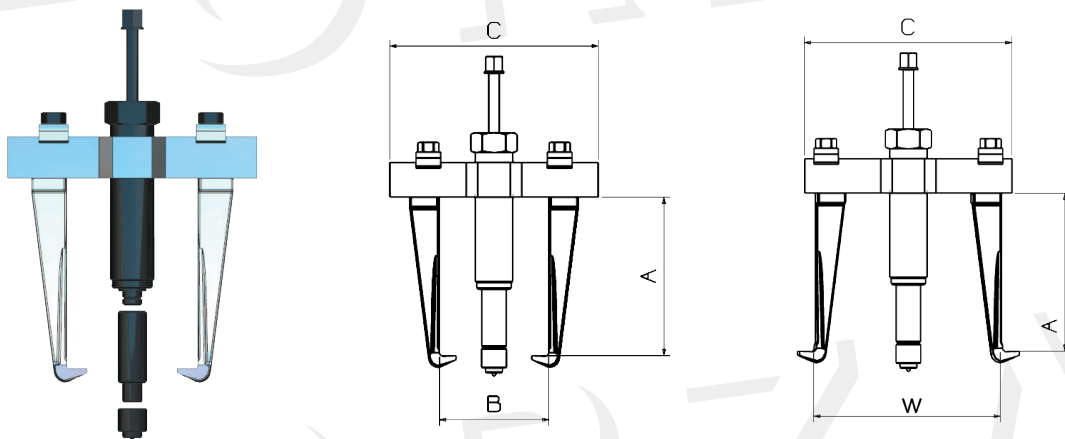


2. 1012H PULLER

TECHNICAL FEATURES

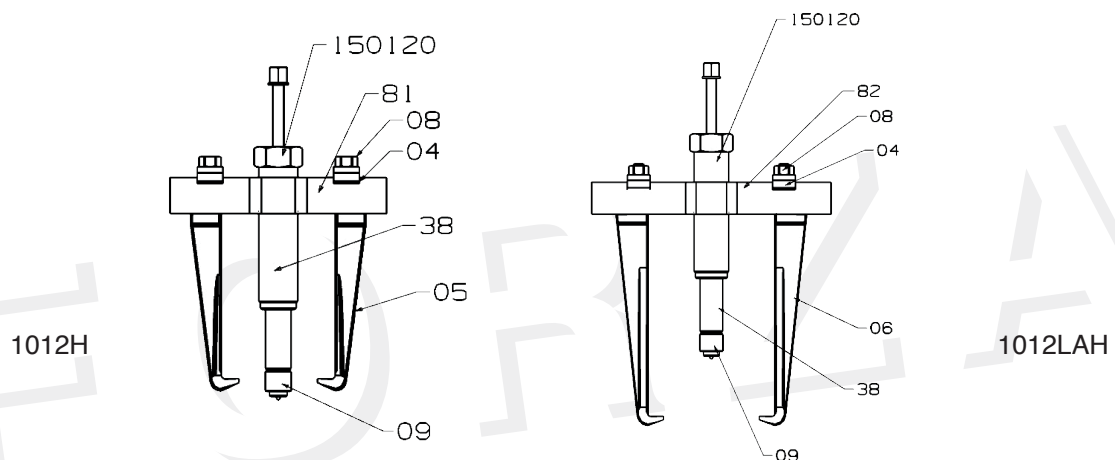
- 2 jaws puller
- External
- Fixed jaws
- Forged jaws

2.1. Puller dimensions



Reference	A	B máx.	B mín.	W max	W min	C	Ton.	Weigth
1012H	160	150	60	215	172	210	12	4,9
1012LH	220	150	60	215	172	210	12	5,6
1012AH	160	200	60	270	172	260	12	5,2
1012LAH	220	200	60	270	172	260	12	5,9

2.2. Mechanical part exploded view



The four models are mounted:

With two bodies: 101081 for the normal puller and 101082 for the A pullers.

Two legs 101005 for the normal puller and 101006 for the L puller.

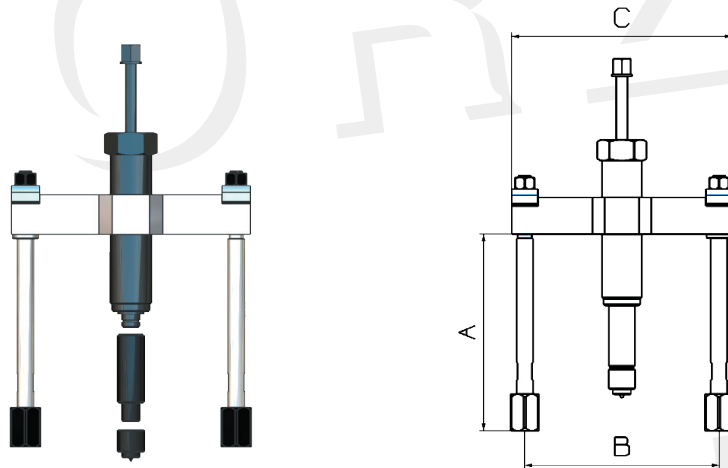
The L pullers have two extensions nº 38.

3. 1116H PULLER.

TECHNICAL FEATURES.

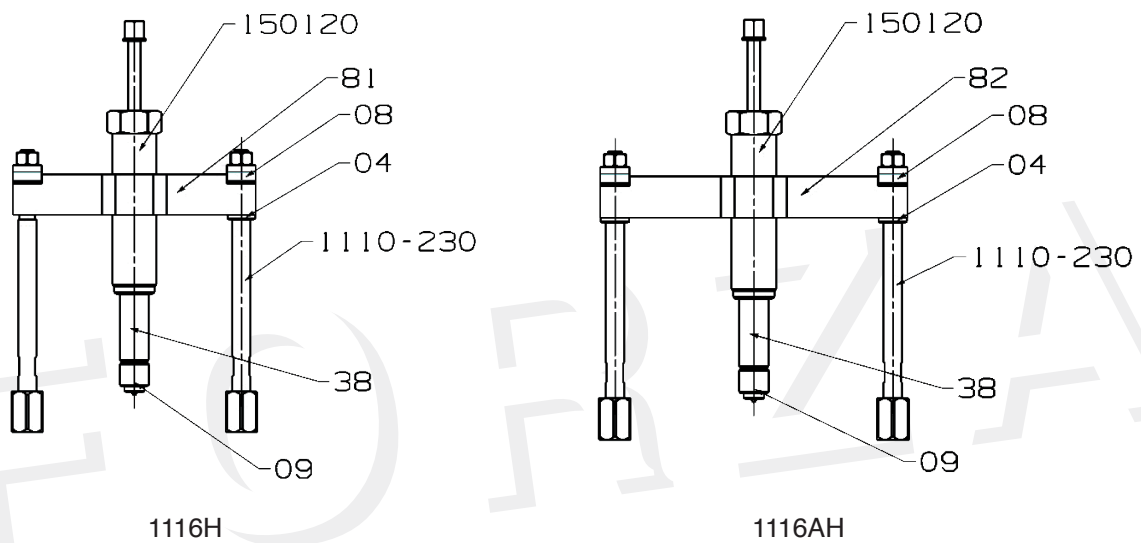
- 2 extenders puller
- It combines with 1204B and 1206B splitters.

3.1 Puller dimensions



Reference	A	B	C	Weigth
1112H	155	325	105	11,3
1112AH	155	445	173	13,8

3.2. Exploded view



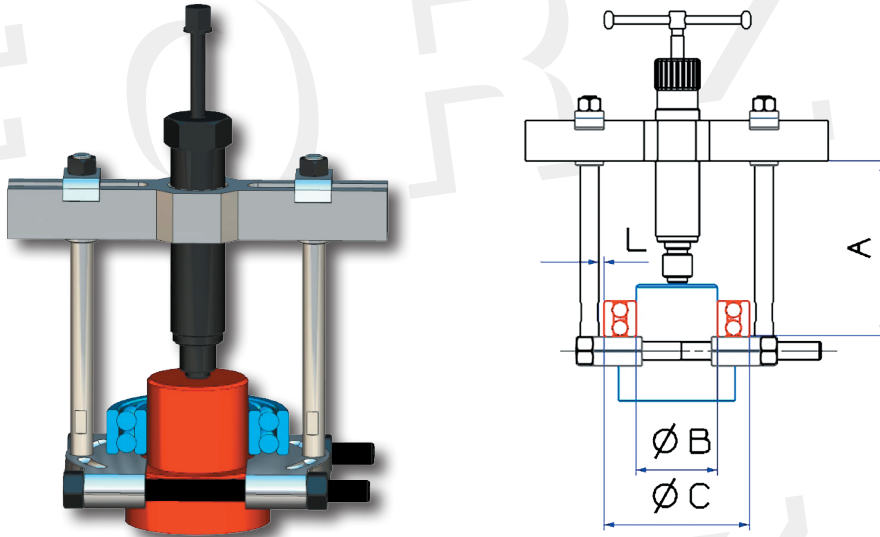
Both bodies are 101081 for normal puller, and 101082 for A puller.

The 38 part (101038) is an extension for the hydraulic spindle.

3.3 Combination with 1200 splitters.

1108h pullers combine with 1200 series:

As a measure of the pulley to be extracted, do not take the splitter minimum dimension B, but the height C, which is the distance between the extenders.



Referencia	A	B	C
1112H - 1204B	152	105	170
1112AH - 1204B	152	105	175
1112AH - 1206B	152	105	222

Correct assembly of splitters

The 1200 puller must be supported on the flat side.

The extenders shall be as close as possible to the part to be extracted.

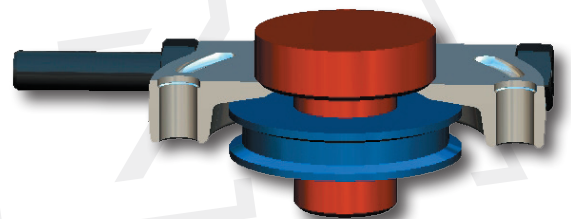
That is to say, the distance L is as small as possible.

Incorrect assembly of splitters

The 1200 puller is not supported on the flat side.

The extenders are very far from the part to be extracted. That is to say, the distance L is very large.

In this position the torque on the extender tip is multiplied by L.



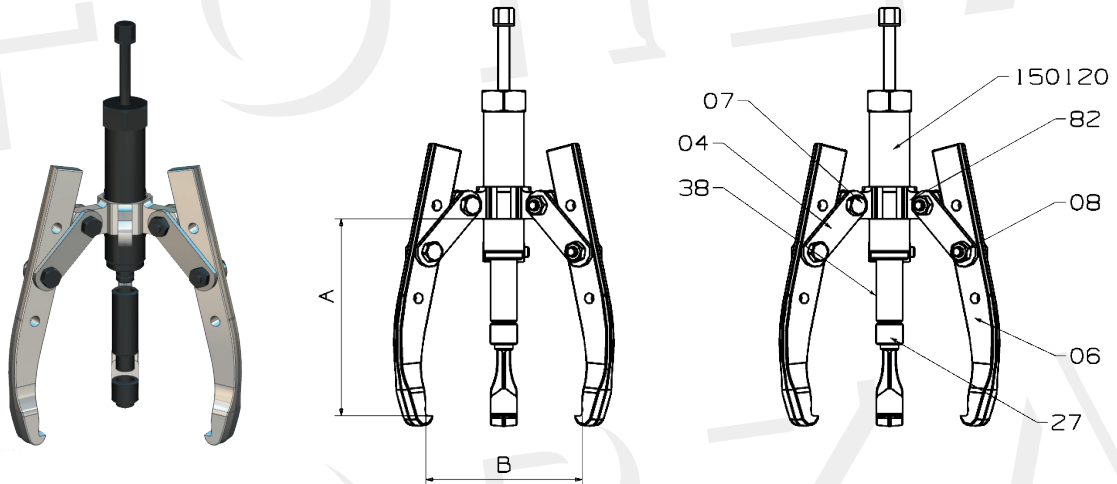
In this position, the maximum tension CAN NOT be reached. Watch the deflection of the splitter spindles and stop when you see it too big.

4. 2 AND 3 JAWS PULLER

TECHNICAL FEATURES.

- 2 jaws puller.
- External.
- Forged jaws.

4.1 1312TH puller dimensions

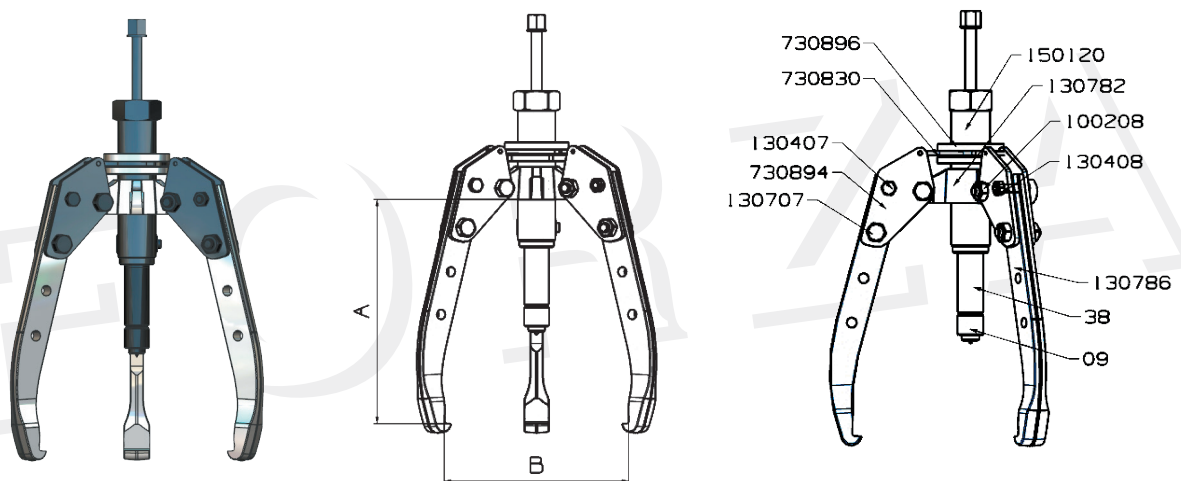


Referencia	A	B	Ton	Peso
1312TH	225	260	12	4,6

4.2 1312THA puller dimensions

TECHNICAL FEATURES.

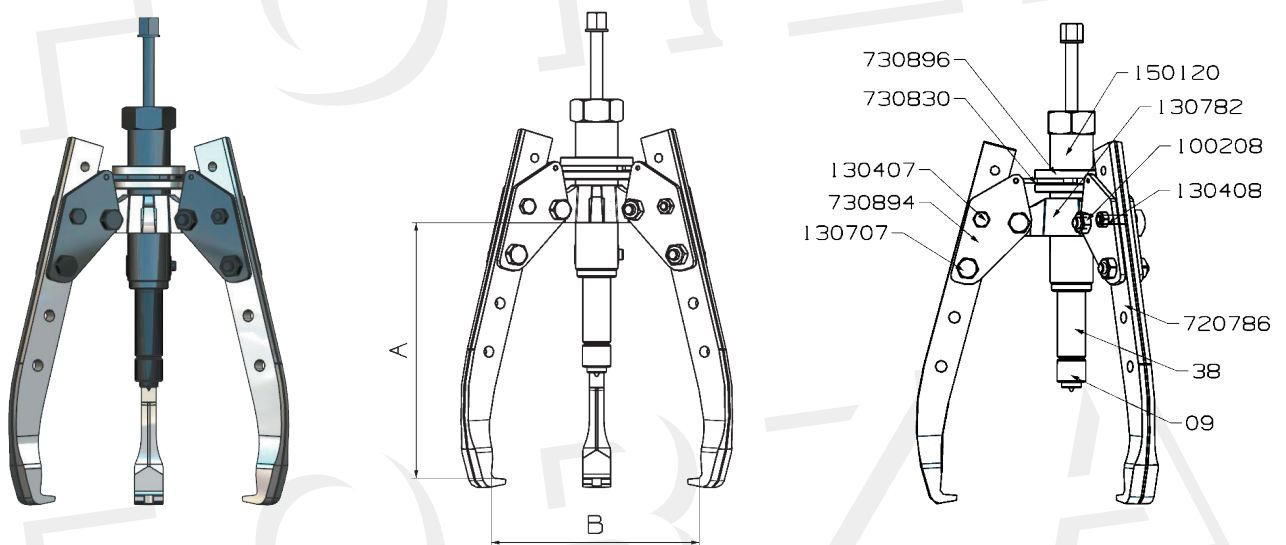
- 2 and 3 forged jaws selfcentering puller.
- All the jaws move simultaneously. The selfcentering puller is very safe because it cannot be opened more than its suitable use allows.



Reference	A	B	Ton	Weigth
1312THA	225	260	12	7,6

4.3 7312ALTH puller dimensions

- 2 and 3 forged jaws selfcentering puller.
- Jaws with very thin section and slotted to pull out screws.
- All the jaws move simultaneously. The selfcentering puller is very safe because it cannot be opened more than its suitable use allows.



Reference	A	B	Ton.	Weigth
7312ALTH	270	280	8	7,6

5. USER INSTRUCTIONS

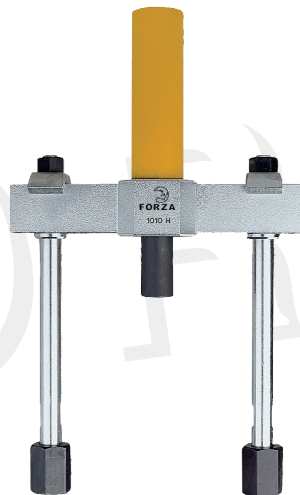
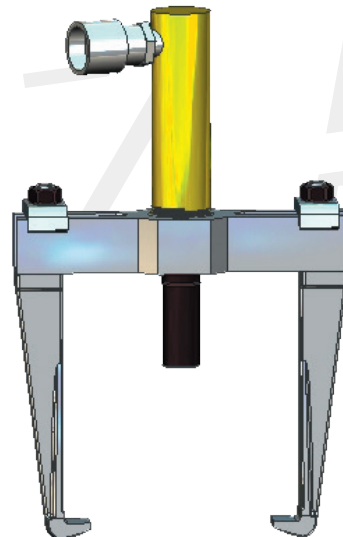
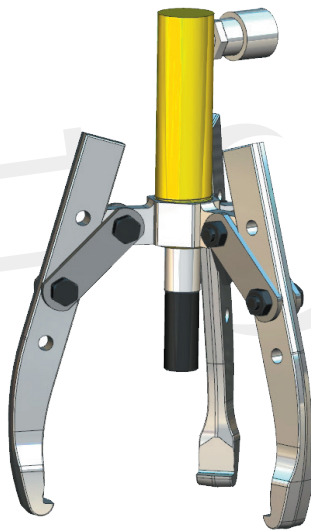


- 1-Make sure that the extender or the jaws are well centered.
- 2- Use all the necessary personal protective equipment (PPE).
- 3- The force is made by the hydraulic spindle.

DO NOT USE POWER TOOLS

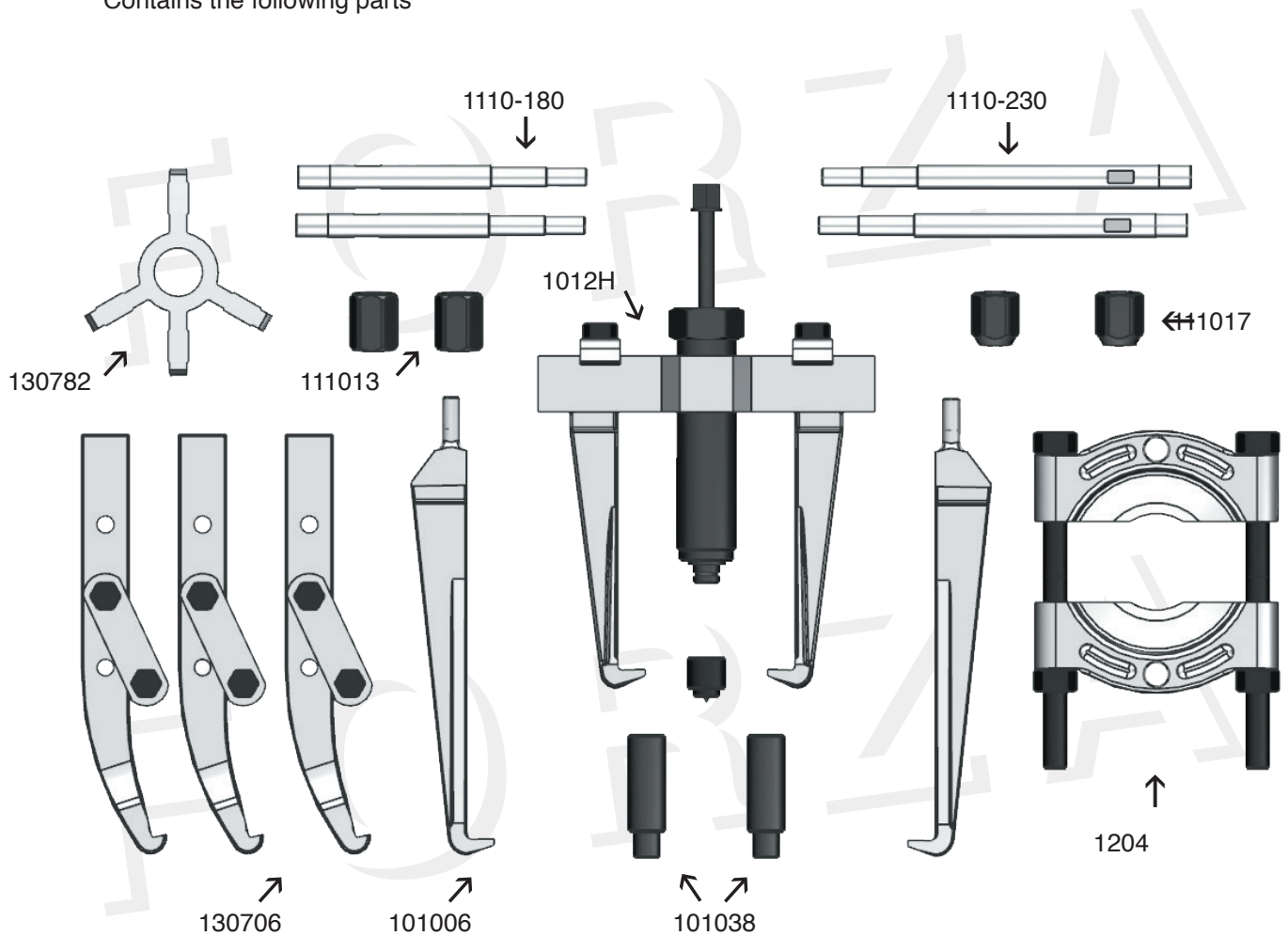
■ 6. TRANSFORMATION

All the 12 ton pullers can become into hydraulic cylinder 5 ton pullers. It is only necessary to change the hydraulic spindle 150120 by the hydraulic 5 ton cylinder.

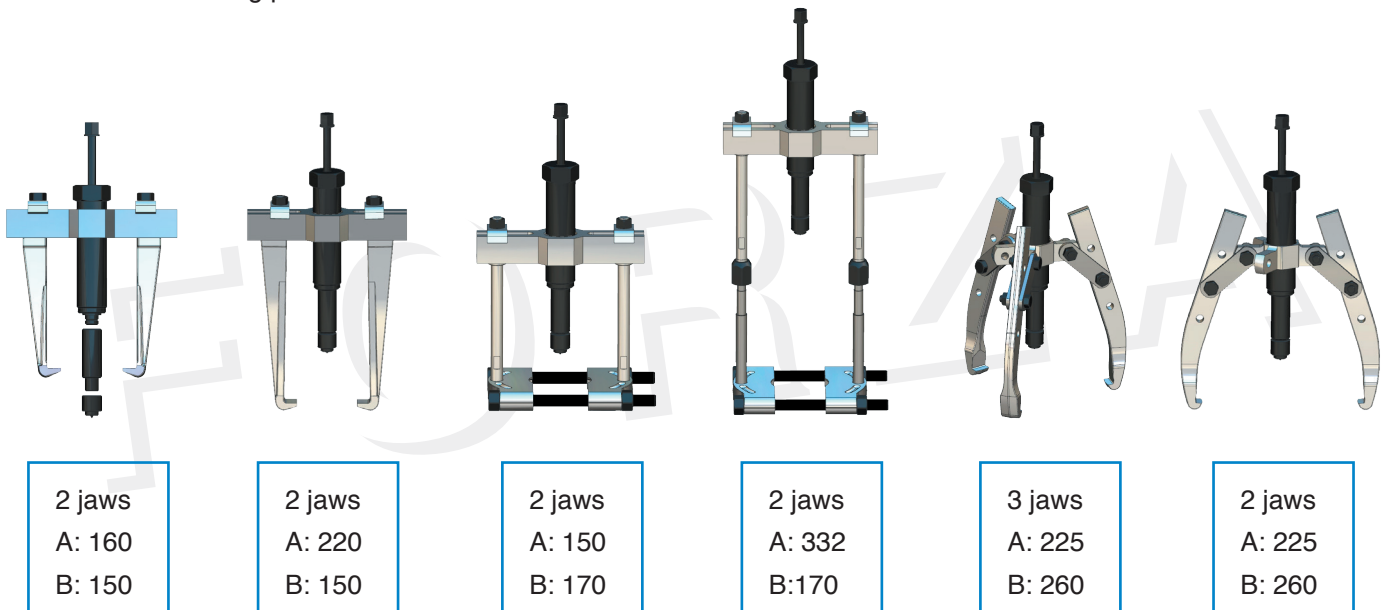


7. PULLERS SET

Contains the following parts



The following pullers can be mounted:





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01010 Vitoria

www.forza.es
