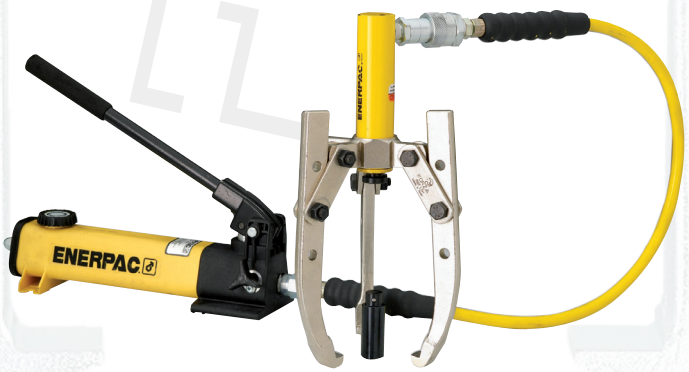
FORZA



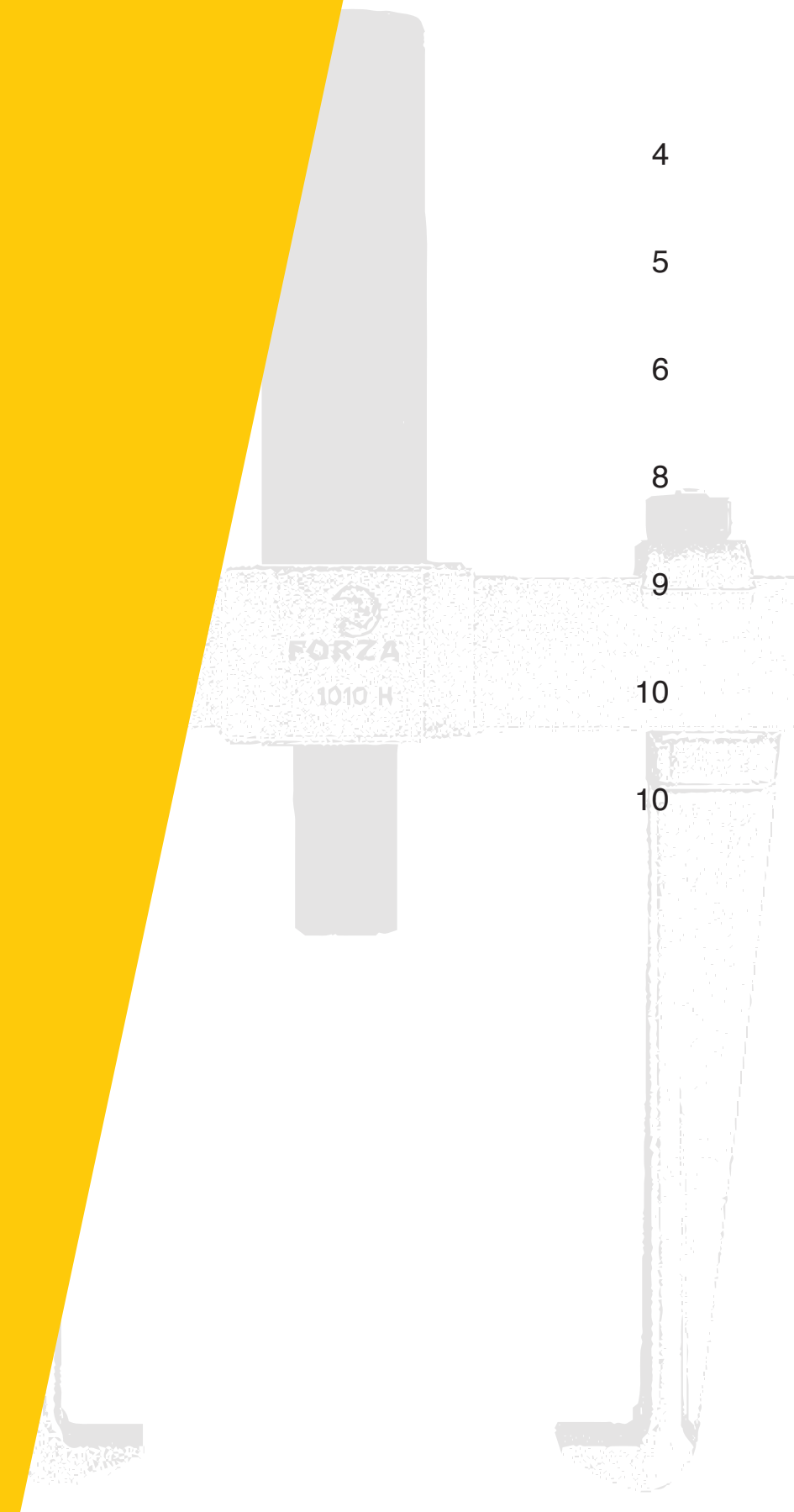
5Tm Hydraulic puller
1010HF and 1108HF
1307LTH and C1008

Manual

1010HF - 1108HF
1307LTH - C1008

Revisado 29.08.2017

ÍNDICE



1. HYDRAULIC PART

Hydraulic part:

The hydraulic part of the extractor consists of:

Hydraulic cylinder, is the part that exerts the force in the extractor. It is a hollow cylinder of simple effect and which returns by spring.

Pump, is the part that introduces the oil under pressure in the cylinder. Forza supplies it with the manometer and the 0,9m hose.

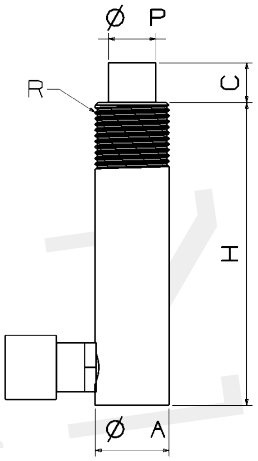
The pumps can work up to 700 Bar, when working with pullers DO NOT exceed the red pressure zone of the manometer (not included in this set), as an additional safety measure.

When the pullers are mounted, if they are not well centred, this can produces load asymmetry in the legs

Complete hydraulic equipment

Reference	TON	Weigth
00904	5	5

Hydraulic cylinders



Reference	ØA	Stroke	H	ØP	R	TON	Weigth
091041	38	76	160	25	1 1/2”UN16h	5	1,5

Hydraulic pumps

Referencia	Peso	Bar. Máx	Fuerza de bambeo Kg.	Equipo de TON
09542	3,7	700	35,4	5

It is a one speed bomb.
Maximum pressure: 700 bar.
Oil capacity: 328 Cm3
The oil cap has a dual purpose of ventilation and filling. In case of an accidental pressurization of the tank, acts as a pressure relief valve
Model 009542 includes 900mm long hose.

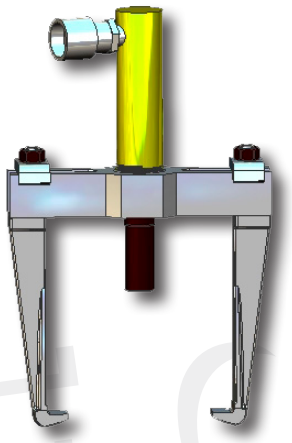
To work with the pump, always put the lid in the ventilation (VENT) position.

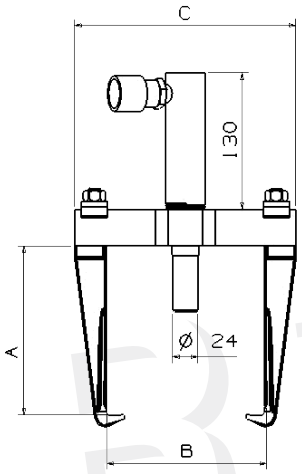
2. 1010H PULLER

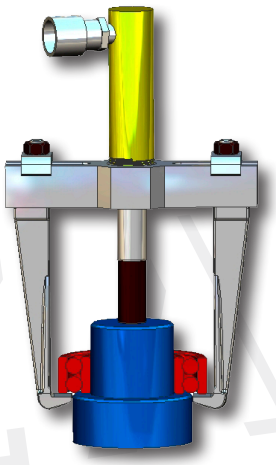
2.1. Technical features

2 Forged jaws.
for external and internal applications

2.2. Puller dimensions

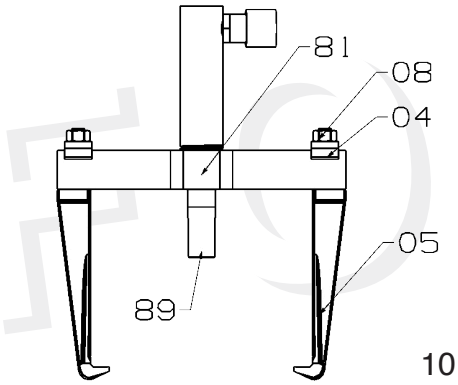




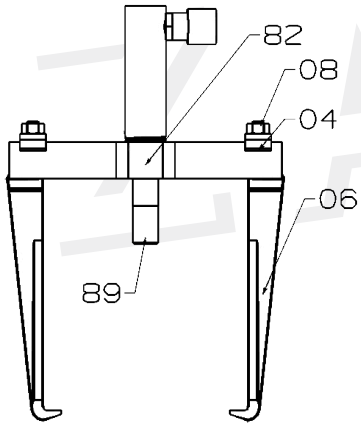


Reference	A	B	C	Weigth	Hydraulic part	Stroke	Complete wigth
1010HF	160	150	210	3	00904	76	8
1010LHF	220	150	210	3,5	00904	76	8,5
1010AHF	160	150	260	3,5	00904	76	8,5
1010LAHF	220	150	260	4	00904	76	9

2.3. Mechanical part exploded view



1010HF



1010LAHF

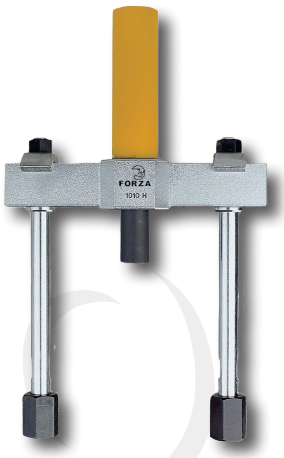
The four models are formed by:
Two 101081 bodies for the normal puller and two 101082 bodies for A pullers.
Two 101005 jwas for the normal puller and two 101006 jaws for L pullers.
The 89 part (130789) is an extension for the hydraulic cylinder.

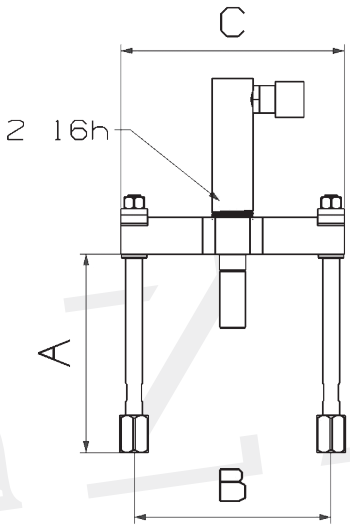
3. 1108H PUSH PULLER.

3.1. Technical features

Two extenders push puller
Combines with 1204B and 1206B splitters.

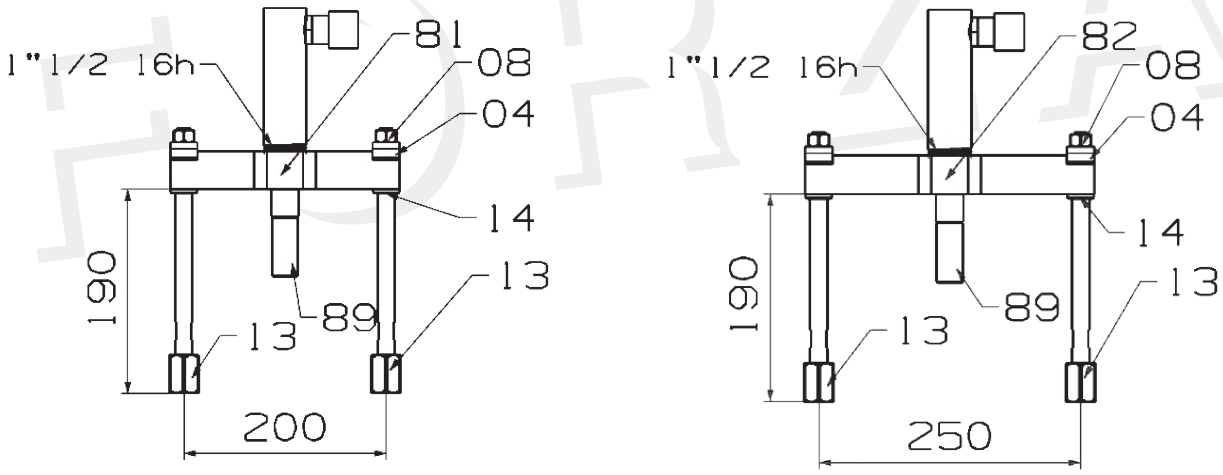
3.2. Puller dimensions





Reference	A	B	C	Weigth	Cylinder	Stroke	Complete weigth
1108HF	190	200	210	4,5	09101	76	8,5
1108AHF	190	250	260	4,7	09101	76	8,7

3.3. Mechanical part exploded view

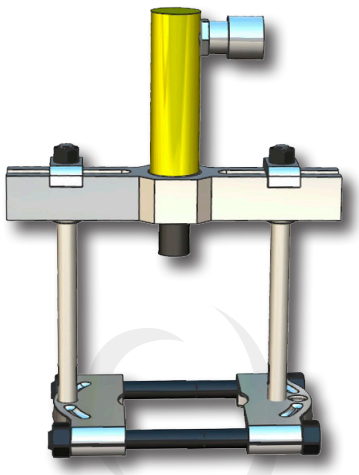


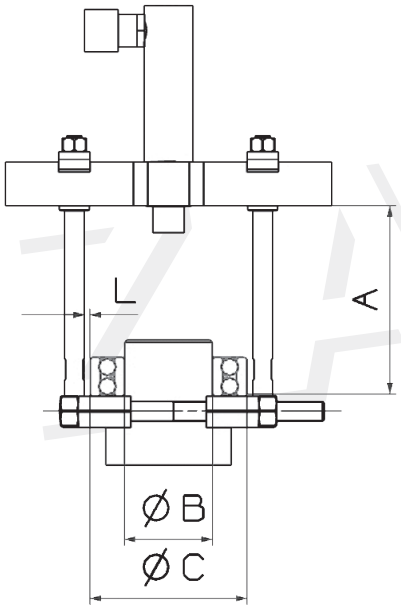
Both bodies are: 101081 for normal puller, and 101082 for A puller.
The 89 part (130789) is an extension for the hydraulic cylinder.

3.4. Combination with 1200 splitters.

1108HF 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.

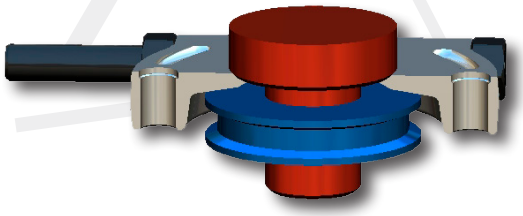




Reference	A	B	C
1108HF-1204B	152	105	160
1108AHF-1204B	152	105	160
1108AHF-1206B	152	120	222

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 C has to be almost the same as the ØB.



Incorrect assembly of splitters.

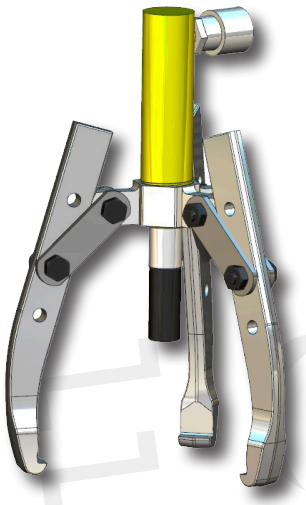
The 1200 puller is not supported on the flat side.
The extenders are very far from the part to be extracted. That is to say, the distance C is much greater than the ØB.
In this position the torque on the extender tip is multiplied by L.
In this position, the maximum tension CAN NOT be reached.
Watch the deflection of the splitter spindles and stop when you see it too big.

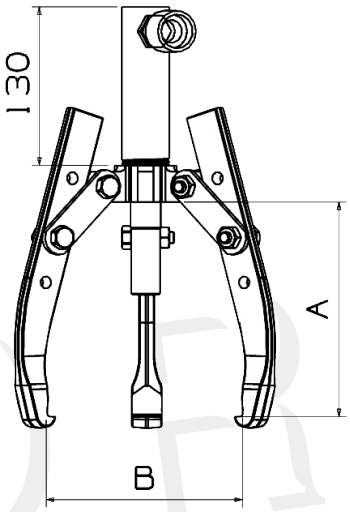
4. 1307LTH PULLER

4.1. Technical features

2 or 3 external puller.
Forged and hardened jaws with 3 holes to position different heights

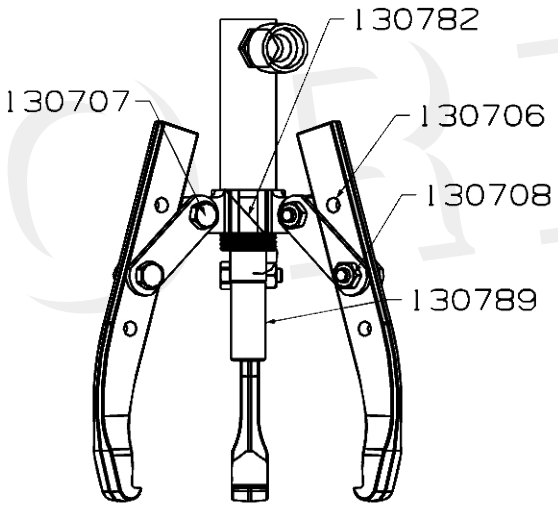
4.2. Puller dimensions





Reference	A	B	Ton	Weigth	Hydraulic part	Total weigth
1307LTH	225	240	4	3,5	00904	8,5

4.3. Puller exploded view



The 89 part (130789) is an extension for the hydraulic cylinder.

5. USER INSTRUCTIONS

1- Check that the spindle is dotted. If it is not, place a point protector.

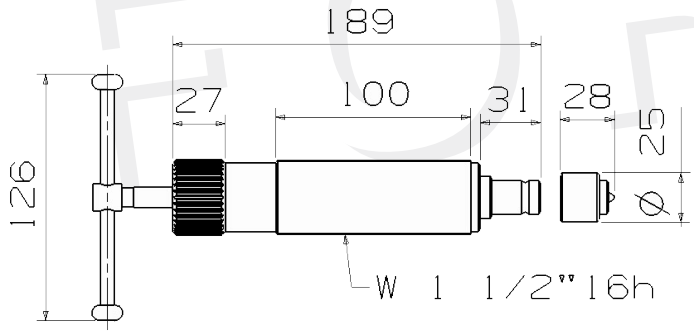
2- Make sure that the extender or the jaws are well centered.

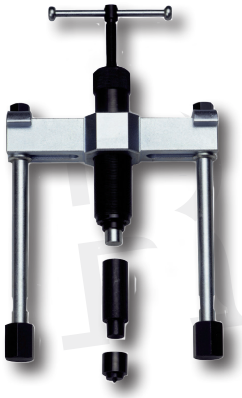
3- Use all the necessary personal protective equipment (PPE).

4- Apply the pressure with the hydraulic pump, always monitoring the pressure and deformation of the extractor.

6. TRANSFORMATION

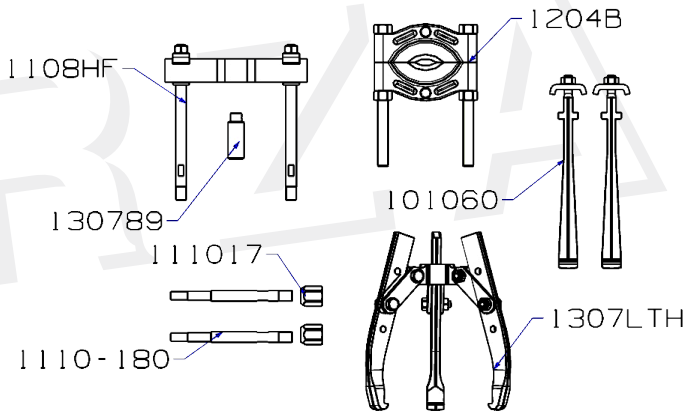
All the 5 ton pullers can become into 8ton compact spindle pullers. It is only necessary to change the hydraulic cylinder by the compact spindle 150000E.



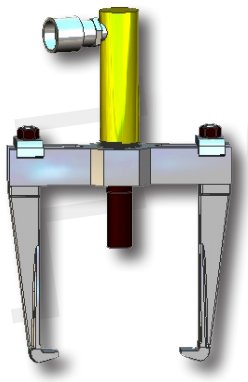


7. C1008 SET

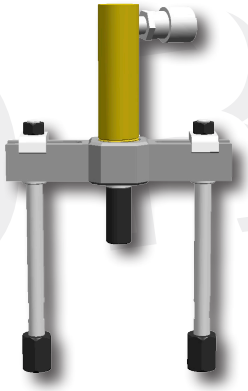
Contains



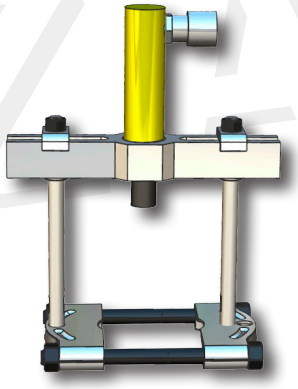
It is a hydraulic assembly that allows to mount the following pullers:



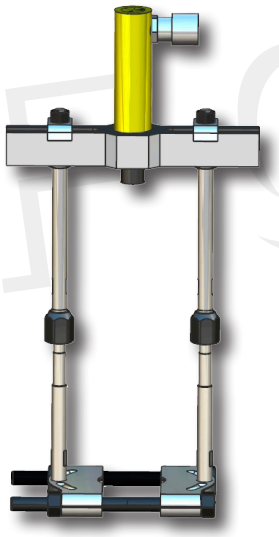
1010HF



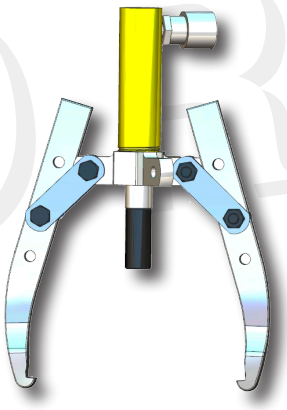
1108HF



1108HF+
1204B



1108HF+
1204B+
extenders



1307LTH
2 jaws

1307LTH
3 jaws

FORZA

S.L. de Herramientas Especiales Forza
C/ San Miguel de Atxa, 24
01010 Vitoria
www.forza.es