



bondura® Multi Tool 200
pin and conical sleeve removal
Ø140mm - Ø320mm


bondura®

user manual - for disassembly

art. 108344 rev. 18.12.2019 A

1/ **bondura® 6.6**

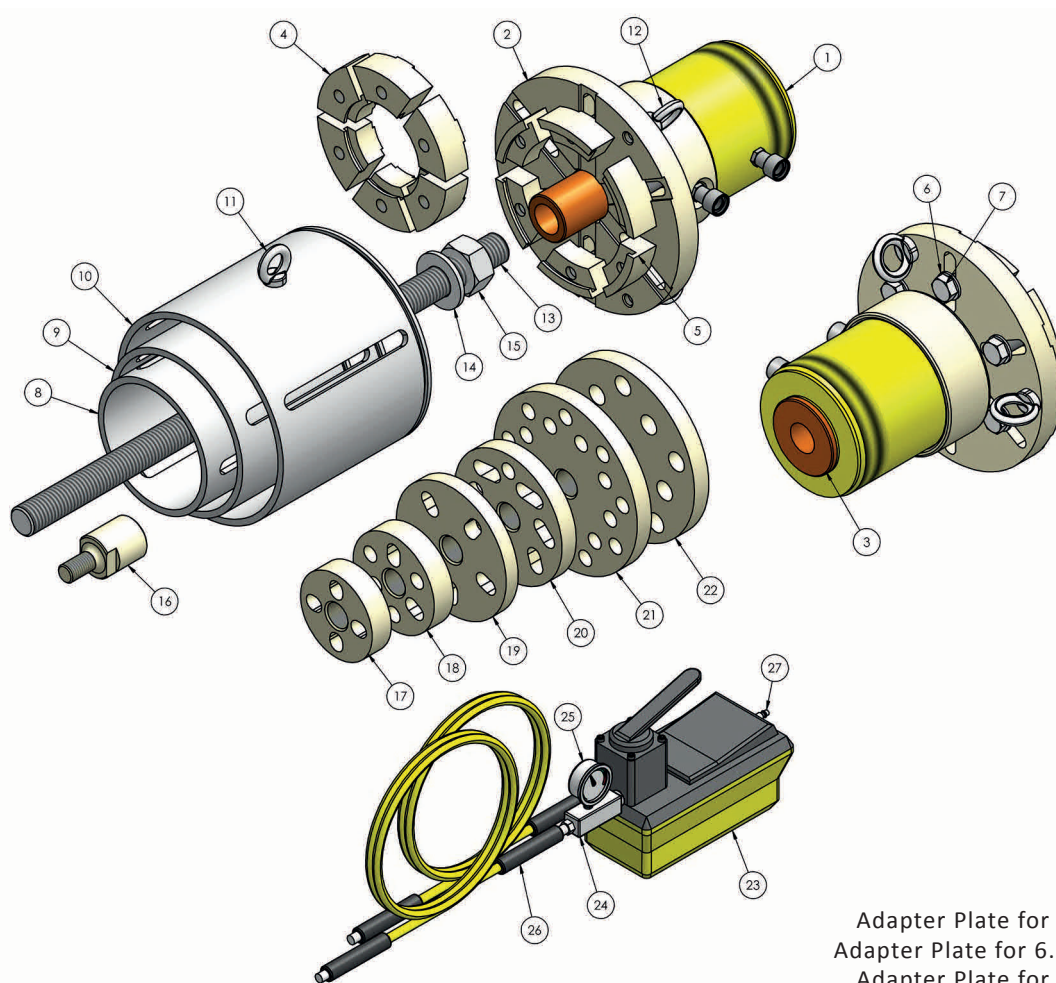
1.1 conical sleeve removal / demontering av konhylse

1.2 pin removal / demontering av bolt

2/ **bondura® 6.1**

2.1 conical sleeve removal / demontering av konhylse

2.2 pin removal / demontering av bolt



Hydraulic Puller 90T - 01

Pulling Plate 200 - 02

Piston Extension 200 - 03

Jaw M24 for Ø140-Ø195 - 04

Jaw M24 for Ø200-Ø320 - 05

Washer Ø25/45x4 - 06

Screw M24x70 - 07

Casing Ø200 - 08

Casing Ø250 - 09

Casing Ø320 - 10

Lifting Eye M16 - 11

Lifting Eye M20 - 12

Threaded Rod M48 - 13

Washer Ø50/92x8 - 14

Nut M48 - 15

Adapter M30-M48 - 16

Adapter Plate for 6.6 Ø140-Ø190 / 4 holes - 17

Adapter Plate for 6.6 Ø140-Ø190 / 3-6 holes - 18

Adapter Plate for 6.6 Ø200-Ø250 / 5 holes - 19

Adapter Plate for 6.6 Ø200-Ø250 / 7-8 holes - 20

Adapter Plate for 6.6 Ø260-Ø320 / 9 holes - 21

Adapter Plate for 6.6 Ø260-Ø320 / 5 holes - 22

Hydraulic Pump - 23

Manometer Adapter - 24

Manometer - 25

Hydraulic Hose - 26

Air Coupling - 27

1/ **bondura® 6.6**

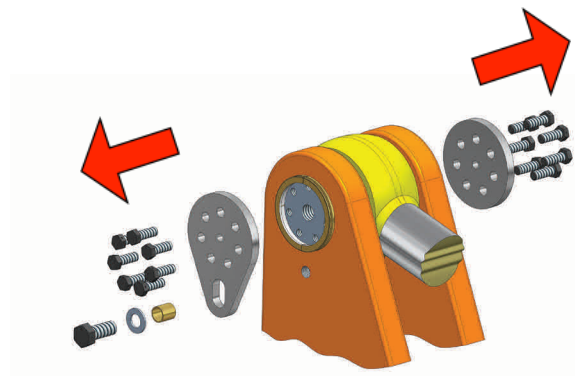
1.1 conical sleeve removal / demontering av konhylse

1.1.1/  To make it as easy as possible to disassemble, the equipment must be offloaded.

 For å gjøre demonteringen enklest mulig, må utstyret avlastes.

1.1.2/  Remove screws, plates and greasing details.

 Demonter skruer, plater og smøredetaljer.



NOTE Please read the Enerpac Instruction Sheet before attempting to assemble/operate the Hydraulic Puller.

MERK Vennligst les Instruksjonsmanualen til Enerpac før du starter montering/bruk av hydraulisk jekk.

1.1.3/  Assemble the tool as shown.

Attach the appropriate jaws for Ø140-Ø195 (4) or Ø200-Ø320 (5) to the flange on the conical sleeve. Connect the Hydraulic Hose (26) with the Manometer (24-25) to the outer coupling (see fig.), and the other Hydraulic Hose (26) to the inner coupling.

The Hydraulic Pump and Hoses (23-27) should now be connected to the Hydraulic Puller (1).

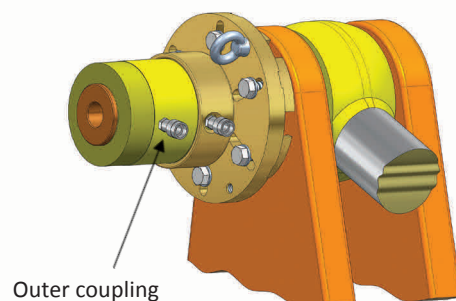
Pull out the conical sleeve.

 Monter verktøyet som vist.

Avtrekksklørne for Ø140-Ø195 (4) eller Ø200-Ø320 (5) skal skyves inn bak avtrekksflensen på konhylsen. Koble hydraulikkslangen (26) og manometer (24-25) til den ytterste koblingen (se fig.), og den andre hydraulikkslangen (26) til den indre koblingen.

Hydraulisk pumpe og slanger (23-27) skal nå være koblet til den hydrauliske jekken (1).

Trekk ut konhylse.



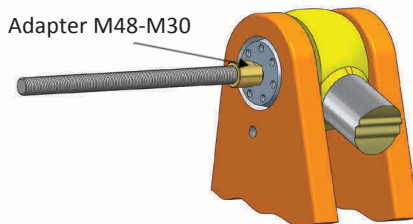
1/ bondura® 6.6

1.2 pin removal / demontering av bolt

1.2.1/  For pin with M30 center hole, Adapter M48-M30 (16) can be used.

 For bolt med M30 senterhull, kan Adapter M48-M30 (16) benyttes.

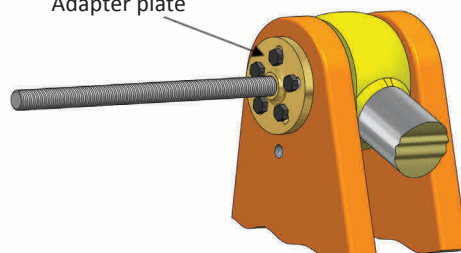
Adapter M48-M30



1.2.2/  For pins without threaded center holes, the appropriate Adapter Plate (17-22) should be fastened to the pin using existing screws. Attach the Threaded Rod M48 (13) to the Adapter Plate (17-22).

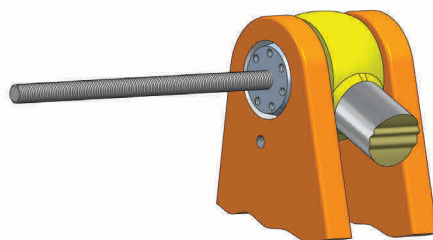
 For bolter uten gjenget senterhull, skal den passende adapterplaten (17-22) skrus fast til bolten ved å bruke eksisterende skruer. Fest Gjengestang M48 (13) til adapterplaten (17-22).

Adapter plate



1.2.3/  Attach the Threaded Rod M48 (13) to the center hole in the pin.

 Gjengestang M48 (13) skrus inn i senterhullet på bolten.



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MERK Vennligst les Instruksjonsmanualen til Enerpac før du starter montering/bruk av hydraulisk jekk.

1.2.4/  Assemble the tool as shown using the appropriate Casing (8-10). Connect the Hydraulic Hose (26) with the Manometer (24-25) to the inner coupling (see fig.), and the other Hydraulic Hose (26) to the outer coupling.

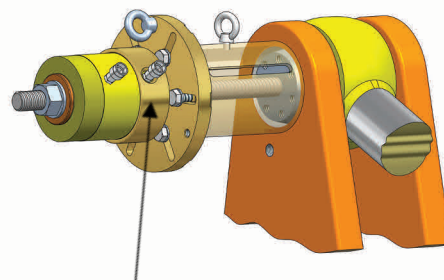
The Hydraulic Pump and Hoses (23-27) should now be connected to the Hydraulic Puller (1).

Pull out the pin.

 Monter verktøyet som vist ved å bruke passende casing (8-10). Koble hydraulikkslangen (26) og manometer(24-25) til den innerste koblingen (se fig.), og den andre hydraulikkslangen (26) til den ytre koblingen.

Hydraulisk pumpe og slanger (23-27) skal nå være koblet til den hydrauliske jekken (1).

Trekk ut bolten.



Inner coupling

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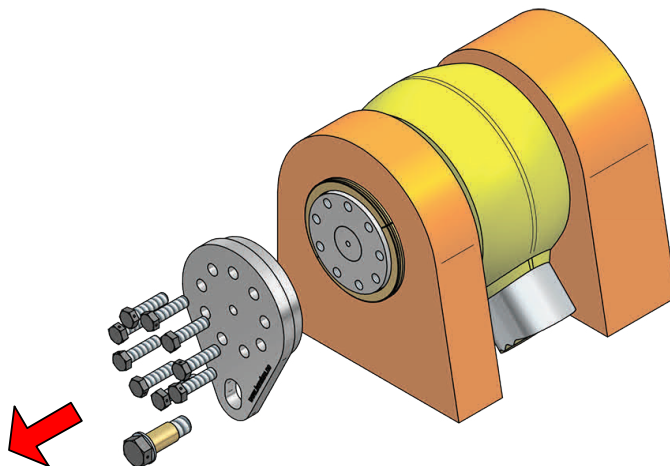
2.1 conical sleeve removal / demontering av konhylse

2.1.1/  To make it as easy as possible to disassemble, the equipment must be offloaded.

 For å gjøre demonteringen enklest mulig, må utstyret avlastes.

2.1.2/  Remove screws and plate.

 Demonter skruer og plate.

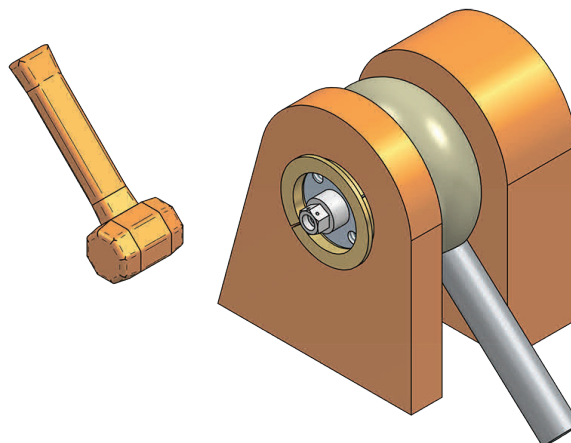


NOTE If the assembly contains an axle plate, please skip step 2.1.3.

MERK Dersom sammenstillingen inneholder en akslingplate, vennligst hopp over punkt 2.1.3.

2.1.3/  Loosen the axle. Use a rubber mallet and hit on the axle to loosen the inner conical sleeve. Remove the axle.

 Løsne akslingen. Bruk en gummi-klubbe og slå på akslingen for å løsne den indre konhylsen. Ta akslingen helt ut.



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2.1.4/ Assemble the tool as shown.

Attach the appropriate jaws for $\varnothing 140\text{-}\varnothing 195$ (4) or $\varnothing 200\text{-}\varnothing 320$ (5) to the flange on the conical sleeve. Connect the Hydraulic Hose (26) with the Manometer (24-25) to the outer coupling (see fig.), and the other Hydraulic Hose (26) to the inner coupling.

The Hydraulic Pump and Hoses (23-27) should now be connected to the Hydraulic Puller (1).

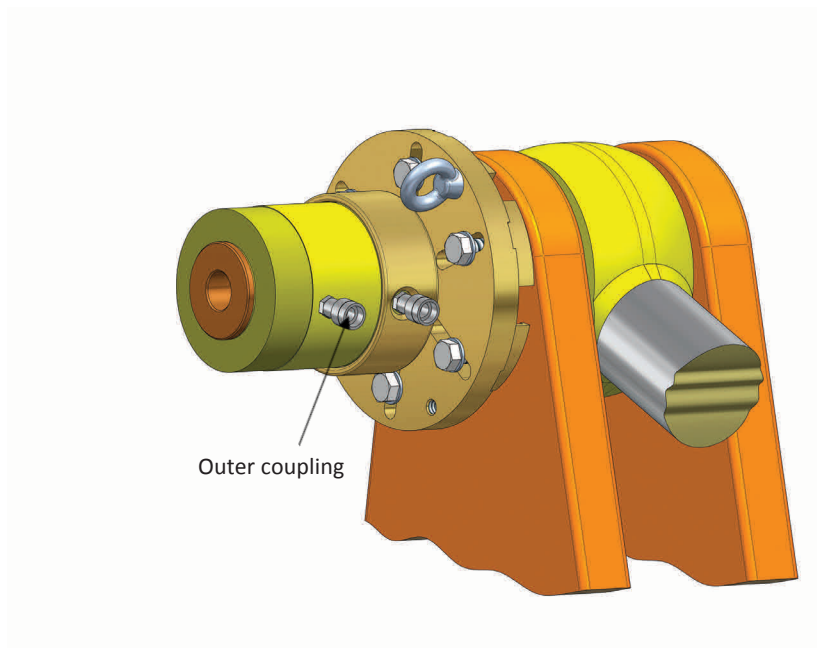
Pull out the conical sleeve.

 Monter verktøyet som vist.

Avtrekksklørne for $\varnothing 140\text{-}\varnothing 195$ (4) eller $\varnothing 200\text{-}\varnothing 320$ (5) skal skyves inn bak avtrekksflensen på konhylsen. Koble hydraulikkslangen (26) manometer (24-25) til den ytterste koblingen (se fig.), og den andre hydraulikkslangen (26) til den indre koblingen.

Hydraulisk pumpe og slanger (23-27) skal nå være koblet til den hydrauliske jekken (1).

Trekk ut konhylse.



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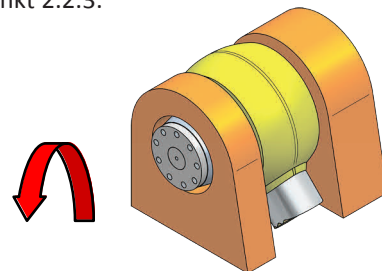
2.2 pin removal / demontering av bolt

NOTE If the assembly does not contain an axle plate, please jump to step 2.2.3.

MERK Dersom sammenstillingen ikke inneholder en akslingplate, vennligst hopp til punkt 2.2.3.

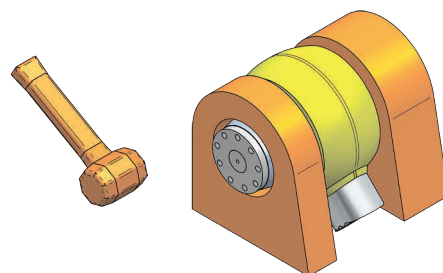
2.2.1/  Loosen the axle with the axle plate.

 Løsne aksling med aksling plate.



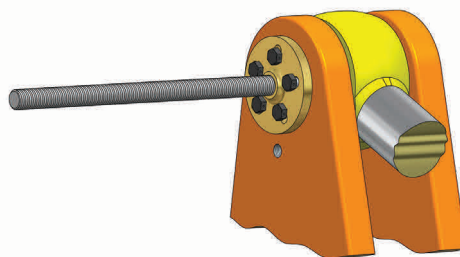
2.2.2/  Use a rubber mallet and hit on the axle to loosen the inner conical sleeve.

 Bruk en gummiklubbe og slå på akslingen for å løsne den indre konhylsen.



2.2.3/  Fasten the appropriate Adapter Plate (17-22) to the pin using existing screws. Attach the Threaded Rod M48 (13) to the center hole in the Adapter Plate (17-22).

 Fest passende adapterplate (17-22) til bolten ved å bruke eksisterende skruer. Gjengestang M48 (13) skrues inn i senterhullet på adapterplaten (17-22).



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2.2.4/  Assemble the tool as shown using the appropriate Casing (8-10). Connect the Hydraulic Hose (26) with the Manometer (24-25) to the inner coupling (see fig.), and the other Hydraulic Hose (26) to the outer coupling.

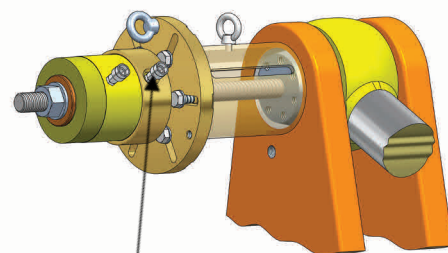
The Hydraulic Pump and Hoses (23-27) should now be connected to the Hydraulic Puller (1).

Pull out the pin.

 Monter verktøyet som vist ved å bruke passende casing (8-10). Koble hydraulikkslangen (26) og manometer (24-25) til den innerste koblingen (se fig.), og den andre hydraulikkslangen (26) til den ytre koblingen.

Hydraulisk pumpe og slanger (23-27) skal nå være koblet til den hydrauliske jekken (1).

Trekk ut bolten.



Inner coupling



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