

Instructions for RRP Bearing Press & Extraction Tool

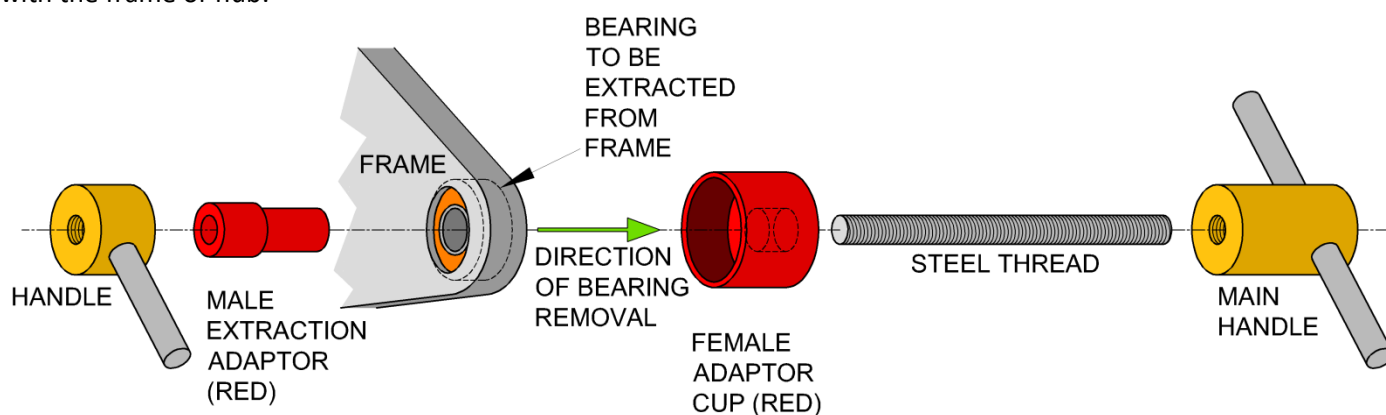
[Designed for the home mechanic – MADE IN UK]

The Bearing Press & Extraction Tool (BPET) is designed for the HOME MECHANIC for use on LINKAGE BEARINGS, however it still works on many bearings in frames, hubs and freehubs. Adaptor kits are being developed all the time so check out our website for the latest developments (RapidRacerProducts.com).

Firstly ensure you have the correct RRP BEARING KIT (sold separately) to match the bearing you intend to insert / extract (RRP BEARING KITS are listed on Page 2 and our website). You can identify which kit you need either by reading the bearing number written on the rubber seal, or you can measure the inner bore race and outer race of the bearing to match against our RRP BEARING KIT list (there is a measuring diagram on Page 2 and on our website).

EXTRACTING BEARINGS (RED ADAPTORS)

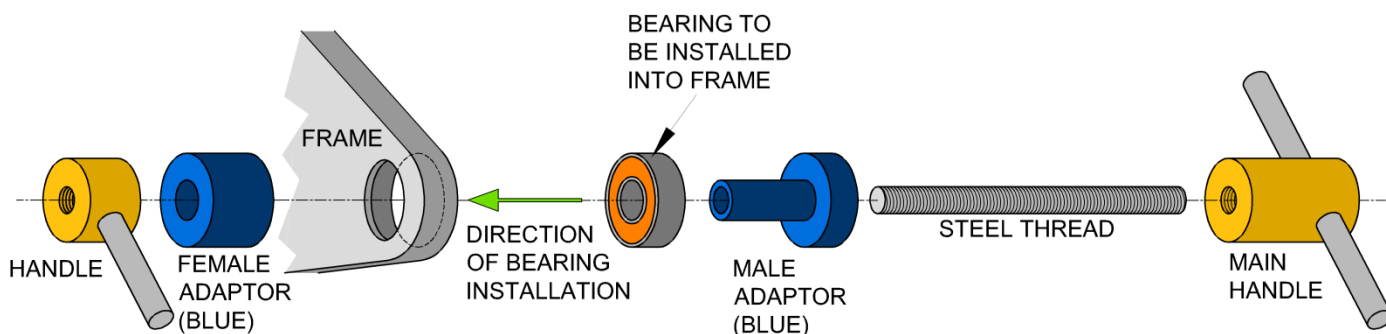
Place the **RED** adaptors from your RRP BEARING KIT as shown below, take time to ensure that all the parts fit flush and are aligned to prevent any damage to parts or frame. In particular check that the female adaptor cup is flush with the frame or hub.



Wind on the main handle until the parts all come together, make a final check that everything is aligned properly. Continue to wind on the main handle which will allow the male adaptor to pull on the inner race of the bearing and extract it into the female adaptor cup (NB: The male adaptor passes through the female adaptor to ensure a uniform and true extraction*), it will become harder to turn once the bearing starts to extract (NB: the main handle arms have been reduced in length and thickness to decrease the torque available thus reducing the risk of damage from misalignment / incorrect installation). After a couple of turns stop and check that the bearing is extracting properly before continuing. Excessive force should never be used with this tool.

INSERTING BEARINGS (BLUE ADAPTORS)

Place the **BLUE** adaptors from your RRP BEARING KIT as shown below, take time to ensure that all the parts fit flush and are aligned to prevent any damage to parts or frame.



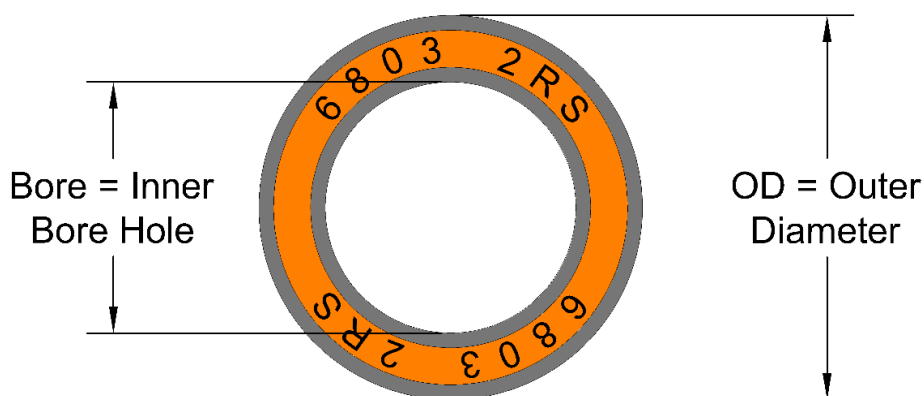
Wind on the main handle until all the parts come together, the male adaptor should be pressing on the outer race of the bearing you are inserting. Make a final check that everything is aligned properly. Continue to wind on the main handle, the male adaptor will press onto the outer race of the bearing and insert it into the frame (NB: The male adaptor passes through the female adaptor to ensure a uniform and true insertion*), it will become harder to turn once the bearing starts to insert (NB: the main handle arms have been reduced in length and thickness to decrease the torque available thus reducing the risk of damage from misalignment / incorrect installation). After a couple of turns stop and check that the bearing is inserting properly before continuing. Excessive force should never be used with this tool.

*Bearing Kit 1, 2, 3, & 3a don't have male adaptors (just female ones) due to the small size of the bearing bore hole

| Bearing Kits (Sold Separately) | | | | |
|---|---------------|-----------------|------------------|----------------|
| BEARING NAME | KIT NO | RRP CODE | BORE SIZE | OD SIZE |
| 688 2rs | 1 | BPET688 | 8 | 16 |
| 698 2rs / 398v | 2 | BPET698 | 8 | 19 |
| 608 2rs / 608E-2rs | 3 | BPET608 | 8 | 22 |
| 609 2rs | 3a | BPET609 | 9 | 24 |
| 6800 2rs / 61800 2rs | 4 | BPET6800 | 10 | 19 |
| 6900 2rs / 61900 2rs | 5 | BPET6900 | 10 | 22 |
| 6000 2rs | 6 | BPET6000 | 10 | 26 |
| 6801 2rs / 61801 2rs | 6a | BPET6801 | 12 | 21 |
| 6901 2rs / 61901 2rs | 7 | BPET6901 | 12 | 24 |
| 6001 2rs | 8 | BPET6001 | 12 | 28 |
| 3802 2rs / 63802 2rs / 6802 2rs / 61802 2rs | 9 | BPET63802 | 15 | 24 |
| 1526 2rs | 10 | BPET1526 | 15 | 26 |
| 6902 2rs / 6902E-2rs / 61902 2rs | 11 | BPET6902 | 15 | 28 |
| 6002 2rs | 12 | BPET6002 | 15 | 32 |
| 6803 2rs / 61803 2rs | 13 | BPET6803 | 17 | 26 |
| 17287 2rs | 13a | BPET17287 | 17 | 28 |
| 6903 2rs / 6903E-2rs / 61903 2rs / 61903E-2rs | 14 | BPET6903 | 17 | 30 |
| 6003 2rs | 15 | BPET6003 | 17 | 35 |
| 6804 2rs / 61804 2rs | 16 | BPET6804 | 20 | 32 |
| 6805 / 61805 2rs | 17 | BPET6805 | 25 | 37 |
| Bearing Press & Extraction Tool (BPET) | | BPETHTB | | |

BORE = Bore hole size of bearing (hole in the centre)

OD = Outer diameter of bearing race



Additional Information

The BPET is only suitable where there is a flat surface to press against, some hydroformed frames may require specialist tools, if this is the case you need to use a professional mechanic. This tool is designed for the competent home mechanic who has reasonable knowledge and experience of working on bikes. This tool is designed to extract and insert linkage bearings, however it can also be used to press and extract many bearings in frames, hubs and freehubs. Adaptor kits are being developed all the time so check out our website for the latest developments (RapidRacerProducts.com).

Warnings

Excessive force should never be used with this tool as this indicates a problem. In rare cases where the bearing is badly worn, damaged or seized it may collapse during the extraction, if this happens you should seek assistance from a professional mechanic.

Disclaimer

RapidRacerProducts Ltd accepts no liability for any damage caused by, or as a consequence of, incorrect installation, misalignment, or improper use of the Bearing Press & Extraction Tool, always use the Fitting Instructions.