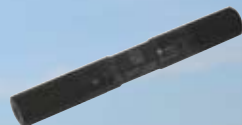
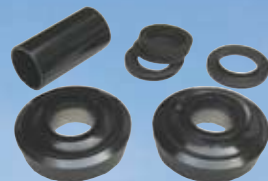




Gusset

PIGMY BMX BOTTOM
BRACKET BEARING.



First and most important.

Thanks for buying a Gusset part

Congratulations, you have selected one of the best-ever quality bottom bracket bearing assemblies. Whilst our BB may appear similar to some others, be assured that Gusset have developed exclusive features to offer you a technically superior product that is simple to fit and reliable in use.

THESE INSTRUCTIONS ARE FOR THE PIGMY BMX TYPE BOTTOM BRACKET BEARINGS.

Personal preparation

Ensure that you have familiarised yourself with any relevant hazard data. Make sure that all your tools are in good order and take appropriate action to protect yourself and others from any potential harm. In accordance with recent EU regulations we are providing you with fitting instructions for this fine quality bearing assembly.

Fitting instructions for the Pigmy BMX bottom bracket bearing.

Firstly, check the parts you have with fig1.

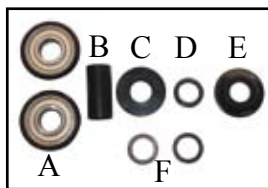


Fig. 1

A. 2 x press-fit bearing assemblies

B. Inner axle spacer

C. Chainwheel back spacer (alloy) Integrates with D

D. Chainwheel adaptor (steel). Makes 23.8mm chainwheel hole fit 19mm axle. D is suitable for chainwheels or spiders with a minimum thickness of 5mm. Most good quality chainwheels are also supplied with specific versions of D, you will be able to see if the fit is correct. For sizes other than those noted above Contact Gusset technical support.

E. Non drive side bearing-to-crank axle spacer.

F. Axle spacer shims 2 x 2.5mm

General rules.

If you are not confident, don't fool around with something you don't know about. Take your bike to a qualified mechanic who knows what he is doing. Pay him and sit back and relax.

If we say Right Hand Side (RHS) we mean that it would be on your right if you were sitting on the saddle facing the handlebar.

Spend a while familiarising yourself with the following instructions. It is assumed that by purchasing this high level bicycle component you have a serious interest in bicycle sport and maintenance and will therefore have a fundamental understanding of safety practices and will use and treat high level equipment with the care and respect it deserves. It is also assumed that you recognise that a product of this level is considered to be competition standard, but will not necessarily survive the abuse that you (or your friends) can throw at it. These are strong parts that are tested, used (and even abused) by enthusiastic riders and we know that they are more than adequate for the purpose of holding the axle in place and allowing the cranks to turn freely on the

bearings. They really will not “just fall apart while riding along”! If you have a problem with any aspect of fitting or servicing these parts, be sure to consult your dealer BEFORE something goes seriously wrong. If you need further assistance, you should contact Gusset Bikes technical support.

www.gussetbikes.com

Basic tools needed.

- Soft face hammer
- BMX steering/bottom bracket bearing press.
- 2 x spanners for the bearing press.
- Barrier cream/protective gloves
- First aid kit
- Box of tissues (in case it all gets just too much luvvy)

a. Make sure that the inner faces of the BB shell are clean and smooth.

b. Take one of the bearing assemblies (A) and slide it onto the shaft of the press, flange outwards. Next, slide inner axle spacer (B) onto the shaft and put it through the shell. (Fig 2) Now slide the second bearing assembly (A) onto the shaft end poking out of the other side, flange outwards again. Hold the two bearings in place against the BB shell and tighten the nut finger tight . (Fig 3)



Fig. 2



Fig. 3

c. If you are satisfied that both bearings are sitting centrally, start to screw down the nut which pulls them inwards, with a spanner. You

will have to hold the other nut with the second spanner. Keep a careful watch to make sure that as you continue to tighten the press nothing slips sideways. It is possible that the force needed to seat both bearings all the way home will be considerable, it all depends on the tolerances between the bearing housing and the BB shell. When fully seated, undo the nut and take out the press tool. The inner axle spacer (B) might fall down at this point, but it cannot go more than 5mm, so you will be able to see it laying there. You are now going to fit the axle.

d. You may fit the axle from either side. If the inner axle spacer (B) did fall down, put it back in place with your fingers, hold one end in place with a finger whilst putting the axle through the other. (Fig 4) As soon as the axle fits into B it will hold it in place and you can take your finger out and push the axle all the way through. Just make sure that you end up with it the right way round!

Pigmy axles are marked L & R, so it is easy. Once again, if the tolerances are very close you might have to use the soft face hammer to drive the axle into the correct position.



Fig. 4

The BB bearing assembly is now finished and you are at the point of fitting the cranks, so the final instructions for fitting the remaining spacers must be carried out as part of the cranks fitting. This operation is much easier if your cranks allow you to use the XL OKR (one key release) bolt system which comes as part of the Pigmy bottom bracket axle. It is also available separately and your dealer can get it for you. However, the crank caps have a left hand thread, so you will only be able to use them if your current crank caps are left hand thread. If you have to turn them anti-clockwise to unscrew them when taking them out, they are a right hand thread. If clockwise, they are left hand thread. The part number is CKGUPS8X FOR ONE SET. You need two sets for one bike.

WARRANTY

The Gusset Pigmy BMX bottom bracket parts (excluding cartridge bearings) are guaranteed free from manufacturing defects for a period of 2 years from date of purchase, to original purchaser only. The bearings are service items that wear in use and will occasionally need to be replaced. (See bearing life section at the end.)

This warranty excludes damage or failure due to abuse, neglect, accident, improper assembly, fitting unauthorised components, lack of maintenance, commercial hiring, normal wear and tear, competitive racing, stunt riding, jumping or other similar activities.

No warranty claim can be considered valid until inspected and agreed by Gusset Bikes.

In the event of a genuine warranty claim being validated original replacement parts only (or the nearest available equivalent parts) will be issued by Gusset Bikes. All returns are at senders expense.

Complete assemblies will not be exchanged or credited.

Gusset Bikes (Ison Distribution Ltd) shall not be responsible for accidental or consequential damage or loss howsoever caused.

The user assumes any and all risks in using these products in any manner excluded by this warranty.

This warranty in no way seeks to diminish your statutory rights as a consumer, which may vary from country to country.

Bearing Life

The industrial cartridge bearings used in the Gusset BMX bottom bracket are sealed and should provide adequate life for most normal uses. However, please note that cartridge bearings are considered to be expendable and replaceable items within your bottom bracket assembly and their life will depend upon your riding skills, terrain and amount of use.

Consequently, we do not offer warranty replacements for bearings except in the very rare and unlikely event of a genuine manufacturing defect.

Particularly, keep everything as clean and properly lubricated as you can, and do not immerse in water if you can avoid it, and do NOT jet wash any bearing area of the bike, because high pressure water sprayed onto the bike will force its way through the seals, with obvious consequences. If there are any unusual noises, investigate immediately.

If you experience any significant problems, consult your dealer and if you still need help, try us fellahs here at:

**www.gussetbikes.com ,
email service@gussetbikes.com**