

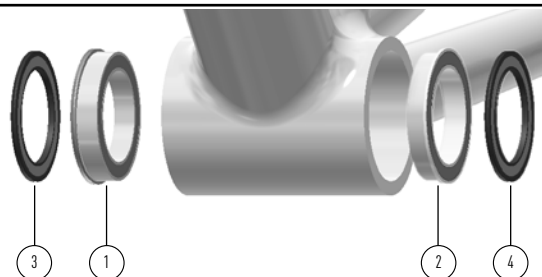
# BB86/92 Bottom Brackets for 29mm Spindle

BB86-29-BB

BB86-29-B0



## Parts:



## Dimensions:

**Bottom Bracket/Frame Interface:** BB86, BB92, PF90, BB104/107, PF121, PF132

**Bottom Bracket Shell Width:** 86mm - 132mm

**Bottom Bracket Shell I.D.:** 41mm

**Crank Spindle Diameter:** 29mm

#	Description	BB86-29-BB	BB86-29-B0
1	DRIVE SIDE SEALED BEARING	BB86-29MM	BB86-29MM-B0
2	NON-DRIVE SIDE SEALED BEARING	BB86-29MM	BB86-29MM-B0
3	DRIVE SIDE OUTER SILICONE DUST SEAL	29MM-SPACER-PK	29MM-SPACER-PK
4	NON-DRIVE SIDE OUTER SILICONE DUST SEAL	29MM-SPACER-PK	29MM-SPACER-PK
	0.5MM CRANK SPINDLE SPACER (QTY 2)*	29MM-SPACER-PK	29MM-SPACER-PK
	1MM CRANK SPINDLE SPACER (QTY 2)*	29MM-SPACER-PK	29MM-SPACER-PK
	2.5MM CRANK SPINDLE SPACER (QTY 2)*	29MM-SPACER-PK	29MM-SPACER-PK
	5MM CRANK SPINDLE SPACER (QTY 2)*	29MM-SPACER-PK	29MM-SPACER-PK

\* Please refer to your crankset instructions for exact crank spindle spacer placement.

## Wheels Mfg Limited Warranty

Wheels Manufacturing warrants bottom bracket components to be free from defects in materials or workmanship for a period of 2 years after original purchase. This warranty only applies to the original owner and is not transferable. Claims under this warranty must be made through the retailer where the Wheels Manufacturing component was purchased. Life expectancy of Wheels Manufacturing bottom brackets and bottom bracket sealed bearings depends on factors like frequency of use, environmental conditions and intended use. Failure to maintain bearings will void any and all bearing warranties. For full warranty and limitations to warranty visit: <https://wheelsmfg.com/warranty>.

## Tools:

### INSTALL / REMOVAL / SERVICE



Universal BB Press  
[PRESS-7 / PRESS-7-PRO]



29MM Open Bore Adapter  
[29SRAM-08]



Grease or Anti-Sieze  
Compound



Bearing Extractor Kit  
[BB-EXT]



29MM Bearing Extractor  
[BE-29MM-SET]

# Installation:

## IMPORTANT:

- DO NOT USE BEARING RETAINING COMPOUND OR EPOXY DURING INSTALLATION, USE OF WHICH WILL VOID ANY WARRANTY.
- Before installing bearings, check that frame's BB shell has been properly prepped and is the correct width and inner diameter.
- For carbon BB shells, use recommended grease. Contact frame manufacturer, or go to <https://wheelsmfg.com/carbon-bike-grease>.
- For titanium BB shells, anti-seize compound is recommended.

*Bottom bracket installation and service by a professional or certified mechanic is recommended.*



1. Thoroughly clean frame's bottom bracket shell. Do not install bearings dry. Apply a thin layer of high quality, carbon-safe grease or anti-seize compound to inside surface of the shell.



2. Press one bearing at a time!



3. Using Wheels Mfg Universal Bottom Bracket Press [PRESS-7 or PRESS-7-PRO], slide press handle + rod thru 29SRAM-QB adapter and bearing.



4. Slide second BB adapter onto threaded rod and into the opposite side of the bottom bracket shell. Match the correct step size with the BB shell inside diameter (41mm). Adapter should fit with little to no play.



5. Spin on second press handle and fully tighten until bearing flange is flush with frame.



6. Slide second bearing over the BB Press rod. Add the 29SRAM-QB adapter.



7. Spin on second press handle and fully tighten until bearing flange is flush with frame.



8. Bearings are now installed. Install crankset per crank manufacturer's instructions.



9. Outer dust seals are placed directly against bearings. Identify the side with the small lettering, and place that side facing the bearing. For added sealing, apply grease between seal and bearing.

## Bearing Removal / Replacement:



1. Insert 29mm size extractor into bearing. Push extractor completely in until you feel it snap in place.



2. Slide the bearing extractor pusher onto a Wheels Mfg Universal BB Press [PRESS-7 or PRESS-7-PRO] rod. Next, add the matching 29mm adapter with the tapered end of the adapter opposite the pusher.



3. Insert handle, rod, pusher and adapter into the backside of the bearing you are removing.



4. Drop a 44mm cup sleeve into the receiver cup. Slide both over the rod and up against the frame.



5. Spin on second handle and tighten handles together until you feel the bearing pop out of the frame.



6. Bearing is now removed from frame.



7. Remove handle from press. Remove adapter from extractor. Remove extractor from bearing.

## Bearing Service:



1. Lift up seal using a utility knife or pick. If servicing bearings outside of BB cups, remove both seals. Clean seals and set aside. For Angular Contact bearings, note which side takes the black seal.



2. Flush out old grease with a de-greaser. Dry bearing to remove any traces of degreaser.



3. Pack bearing with new, clean bearing grease [GR-001].



4. Lightly press seals onto bearing. Seals should sit flush to the outer face of the bearing races.