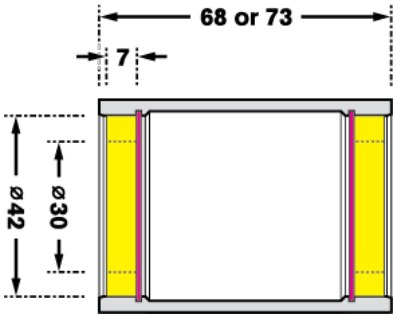
BOTTOM BRACKET STANDARDS

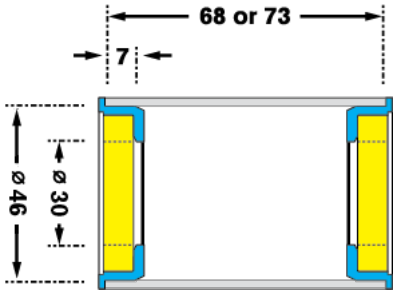
The term "industry standard" becomes more and more of an oxymoron as different manufacturer's further differentiate their products through proprietary technologies. In short, there's a mess of different sizes and shapes of bottom brackets out there. Here's a simple(r) guide to the current slew of bottom bracket "standards."

BB30



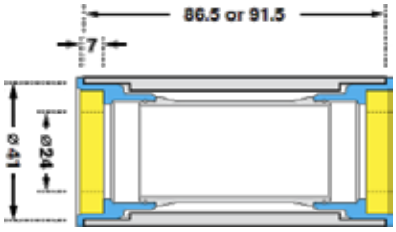
- **Shell width** will measure 68mm (road) or 73mm (mountain)
- **Shell inner diameter (ID)** will measure 42mm; BB30 bearings have a corresponding outer diameter (OD) of 42mm
- **Bearings press directly into the frame** and stop at removable snap rings; two snap ring grooves will be present inside the shell
- **Designed for BB30 30mm spindle cranksets**; adaptors are available that permit the use of 24mm spindle cranksets (i.e. Hollowtech II, GXP)

PressFit 30 (PF30)



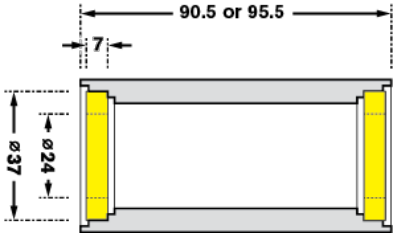
- **Shell width** will measure 68mm (road) or 73mm (mountain)
- **Shell ID** will measure 46mm
- Both PressFit 30 and BB30 use the same 30mm ID bearings and 30mm spindle cranksets; the difference is that **PF30 bearings are contained inside cups** and the cups are pressed into the frame
- **The shell will have a smooth bore** (no snap ring grooves); the outer lip of the cup contacting the frame is what stops the press action
- **Designed for BB30 30mm spindle cranksets**; adaptors are available that permit the use of 24mm spindle cranksets (i.e. Hollowtech II, GXP)

BB86/92



- **Shell width** will measure 86.5mm (road) or 91.5mm (mountain)
- **Shell ID** will measure 41mm
- **Bearings are contained inside cups** which are pressed into the frame; shell has a stepped design but there are no snap ring grooves
- **Designed specifically for 24mm spindle cranksets** originally intended for external threaded cups (i.e. Hollowtech II, GXP)

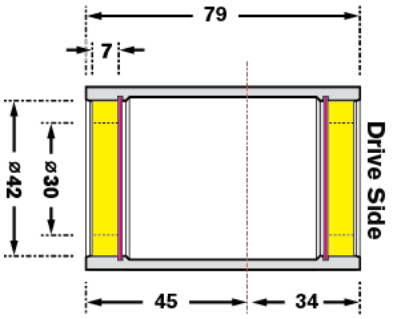
BB90/95



- **Currently used exclusively on Trek bicycles**
- **Shell width** will measure 90.5mm (road) or 95.5mm (mountain)
- **Shell ID** will measure 37mm
- **Bearings press directly into the frame** and stop at an integrated raised step inside the shell bore; snap rings are not used
- **Designed specifically for 24mm spindle cranksets** originally intended for external threaded cups (i.e. Hollowtech II, GXP)

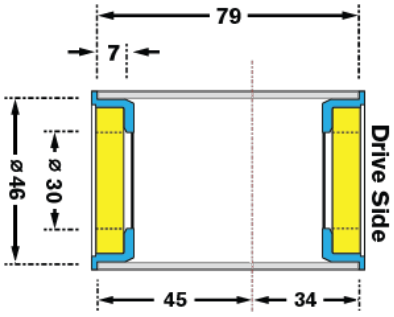
BOTTOM BRACKET STANDARDS

BBright Direct Fit



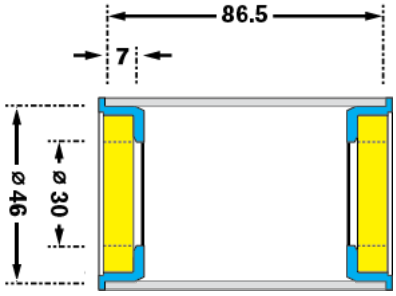
- **Currently used exclusively on Cervelo bicycles**
- **Shell width** will measure 79mm (road standard only)
- **Shell ID** will measure 42mm
- BBright Direct Fit is a variant of BB30 with an asymmetric wider shell (11mm offset to the non-drive side); **bearings press directly into the frame** and stop at removable snap rings.
- **Accepts standard BB30 bearings but the wider shell requires a BBright-compatible crankset**

BBright Press Fit



- **Currently used exclusively on Cervelo bicycles**
- **Shell width** will measure 79mm (road standard only)
- **Shell ID** will measure 46mm
- BBright Press Fit is a variant of PF30 with an asymmetric wider shell (11mm offset to the non-drive side); **bearings are contained inside cups** and the cups are pressed into the frame
- **Accepts standard PF30 cups for but the wider shell requires a BBright-compatible crankset**; adaptors are available that permit the use of 24mm spindle cranksets (i.e. Hollowtech II, GXP)

386 EVO



- **Shell width** will measure 86.5mm (road standard only)
- **Shell ID** will measure 46mm
- 386 EVO is a variant of PF30 with a wider shell; **bearings are contained inside cups** and the cups are pressed into the frame
- **The shell will have a smooth bore** (no snap ring grooves); the outer lip of the cup contacting the frame is what stops the press action
- **Accepts standard PF30 bottom bracket cups but the wider shell requires a 386 EVO-compatible crankset**

Press-Fit Bottom Bracket Comparison

Type	Shell Width	Shell ID	Snap ring groove in shell?	Bearing or Cup?	Bearing ID	Seen on
BB30	68 or 73mm	42mm	Yes	Bearing	30mm	Various
PF30	68 or 73mm	46mm	No	Cup	30mm	Various
BB86/92	86.5 or 91.5mm	41mm	No	Cup	24mm	Various
BB90/95	90.5 or 95.5mm	37mm	No	Bearing	24mm	Trek
BBright Direct Fit	79mm	42mm	Yes	Bearing	30mm	Cervelo
BBright Press Fit	79mm	46mm	No	Cup	30mm	Cervelo
386 EVO	86.5mm	46mm	No	Cup	30mm	Various