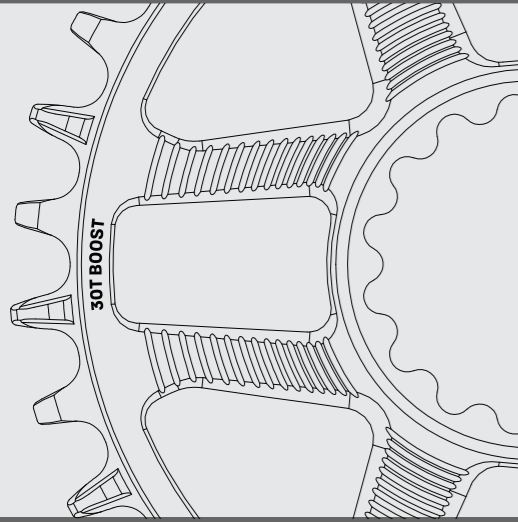
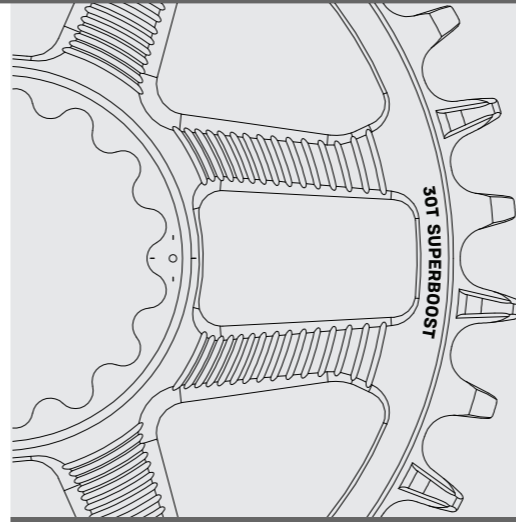
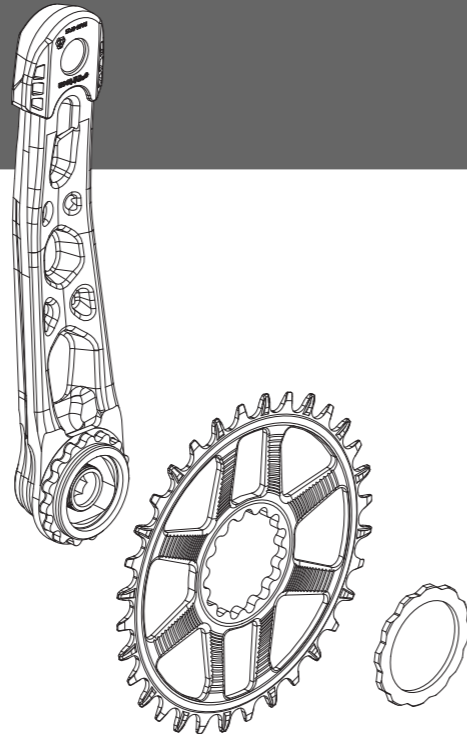


1 Install chainring per chainline requirements

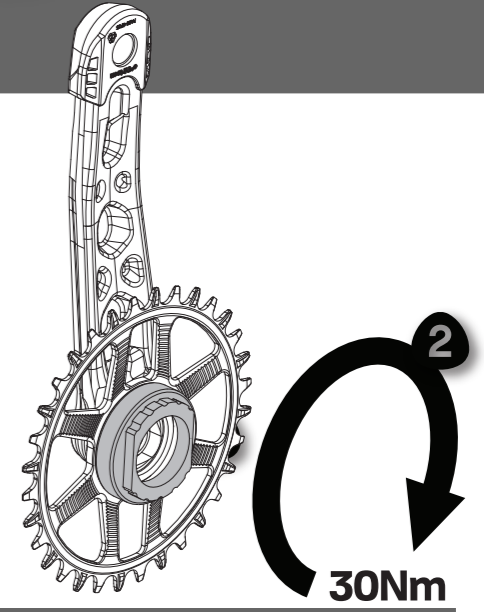


"BOOST" toward outside : 148mm



"SUPERBOOST" toward outside : 157mm

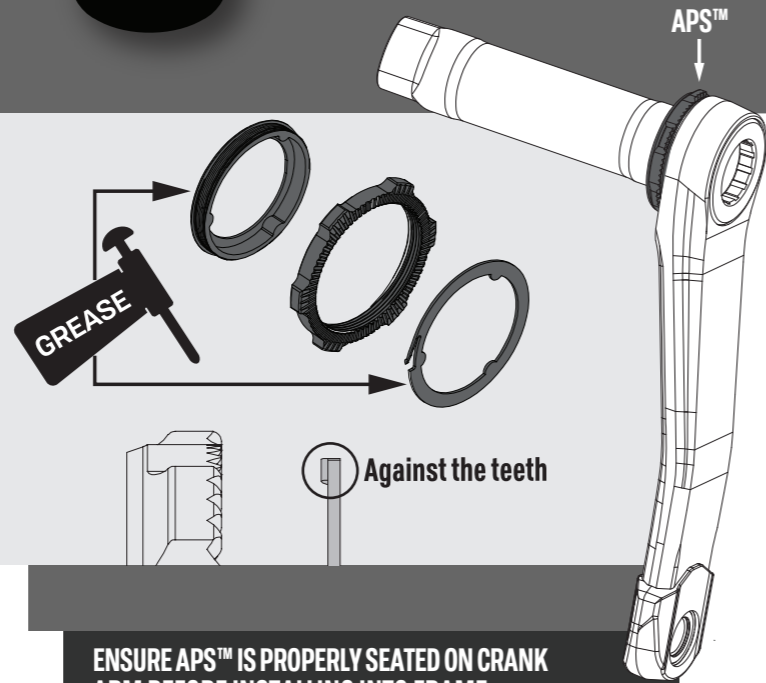
2



Using included tool, tighten lockring to 30Nm.

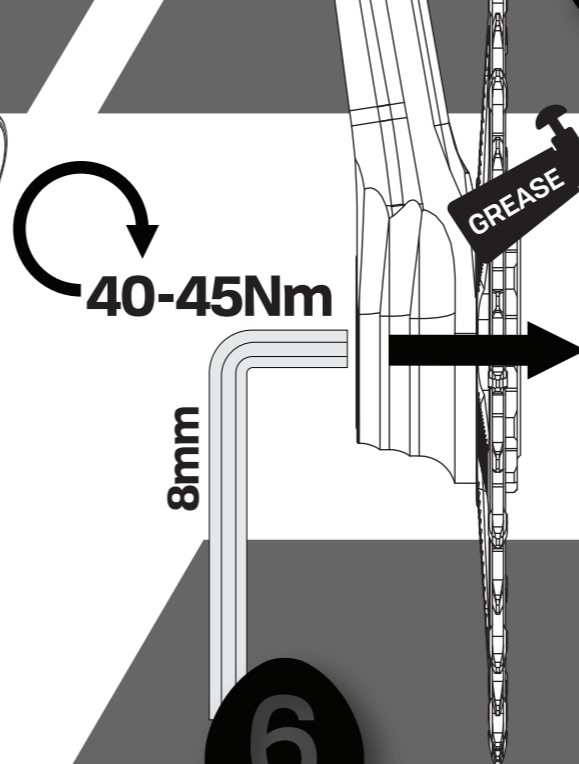
MAINTENANCE

3



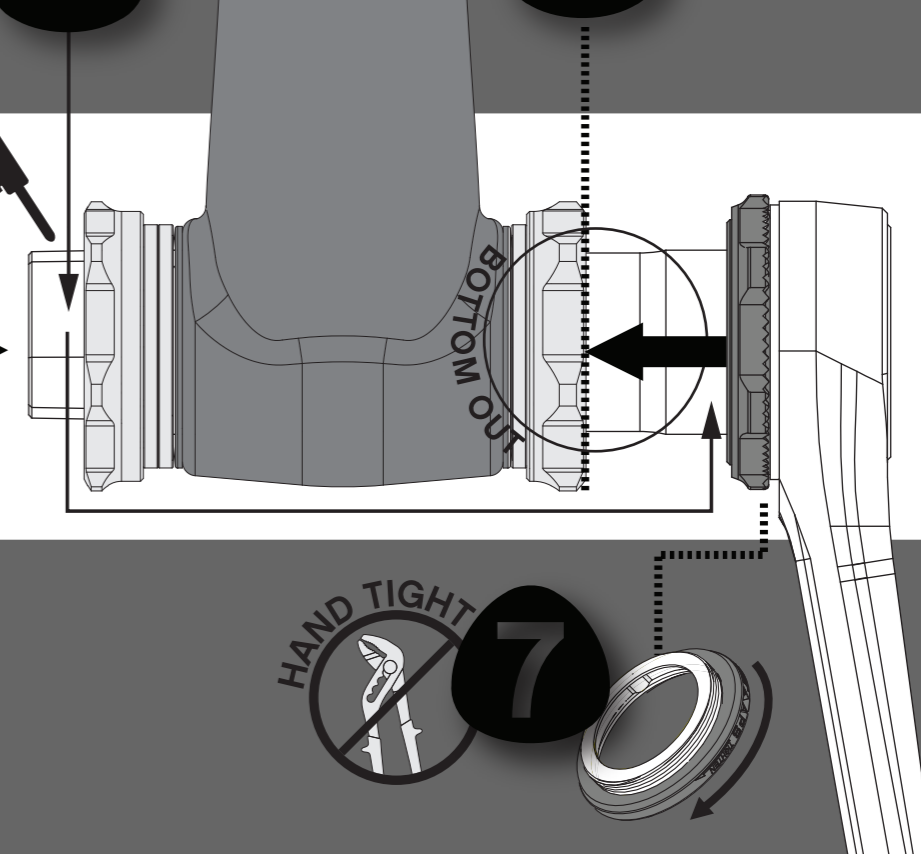
ENSURE APS™ IS PROPERLY SEATED ON CRANK ARM BEFORE INSTALLING INTO FRAME

4



40-45Nm

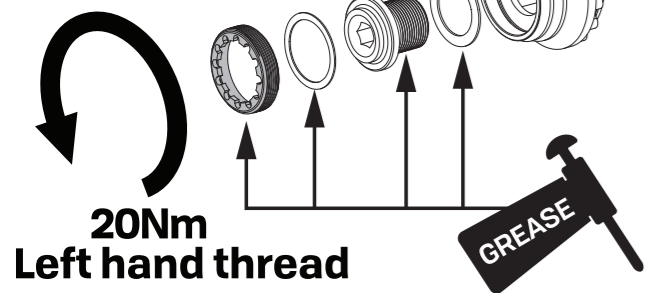
5



HAND TIGHT

7

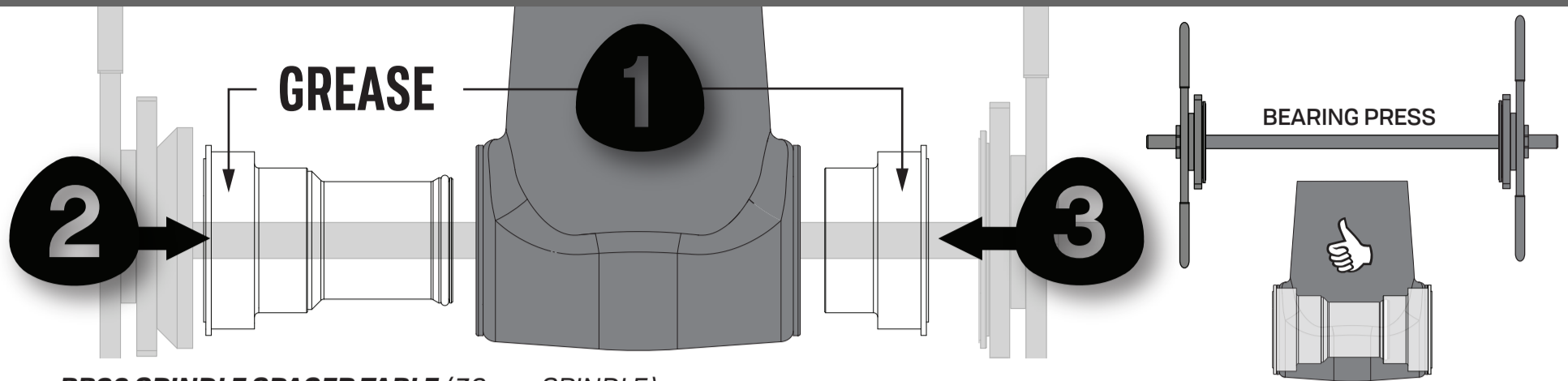
Self extractor maintenance:
Apply grease on each component



20Nm
Left hand thread

e*thirteen MTB BOTTOM BRACKET INSTALLATION

BB92 INSTALL



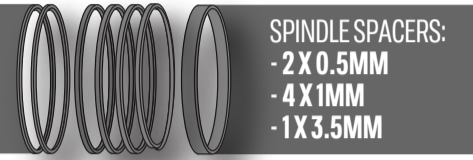
BB92 SPINDLE SPACER TABLE (30mm SPINDLE)

CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE SPINDLE SPACERS	DRIVE SIDE SPINDLE SPACERS
All e*thirteen cranks	92mm or 107mm	0.5mm	0.5mm

BB92 SPINDLE SPACER TABLE (24mm SPINDLE)

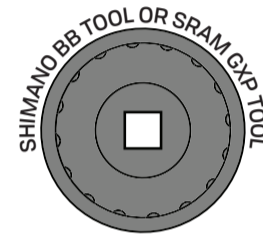
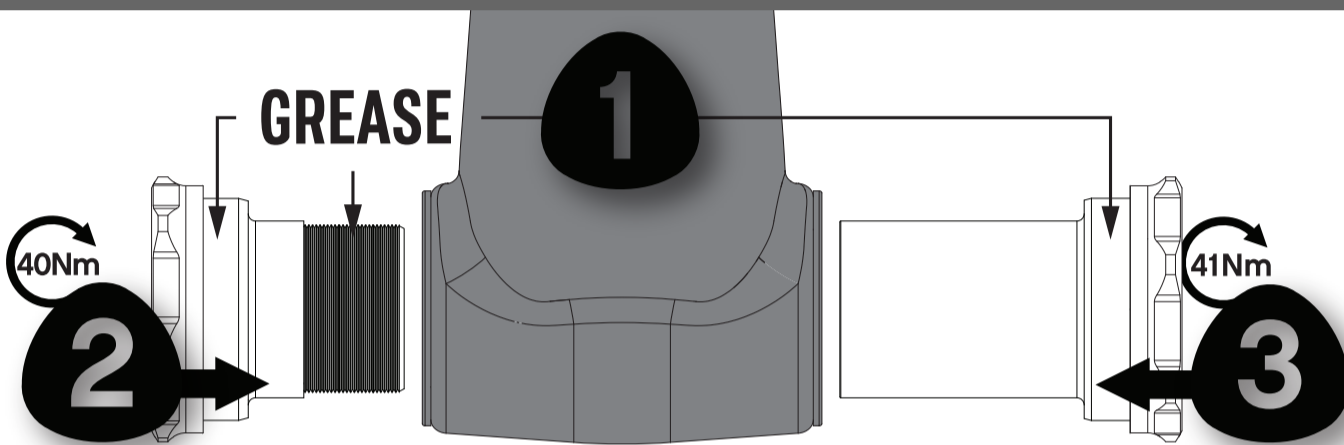
CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE SPINDLE SPACERS	DRIVE SIDE SPINDLE SPACERS
All e*thirteen cranks	92mm or 107mm	NONE	NONE

IF AFTER TIGHTENING APS™ THERE IS STILL SPACE/GAPS IN THE ASSEMBLY, USE SPINDLE SPACERS TO FIX THE ISSUE.



SPINDLE SPACERS:
- 2 X 0.5MM
- 4 X 1MM
- 1 X 3.5MM

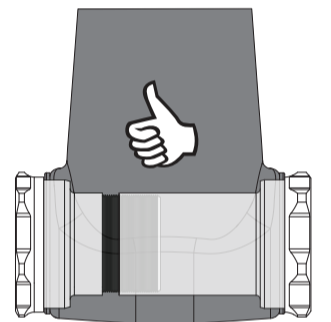
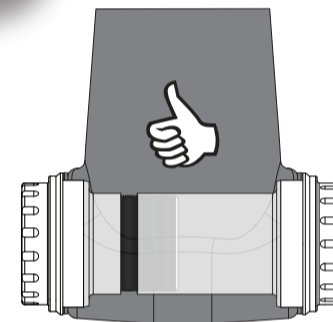
PF30 INSTALL



SHIMANO BB TOOL OR SRAM GXP TOOL
BASE CRANKS & BB
24MM SPINDLE



e*thirteen BB/LOCKRING TOOL
PLUS/RACE CRANKS & BB
30MM SPINDLE



PF30 & BB30 (24/30mm SPINDLE, 2x BB Shell Spacers in Packaging)

CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE BB SHELL SPACERS	DRIVE SIDE BB SHELL SPACERS
XCX, TRS, LG1	68mm	1 x 2.5mm	1 x 2.5mm
XCX, TRS, LG1	73mm	none	none
LG1	83mm	1 x 2.5mm	1 x 2.5mm

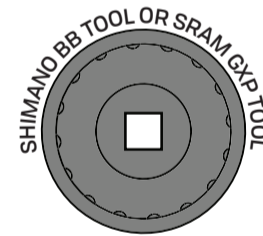
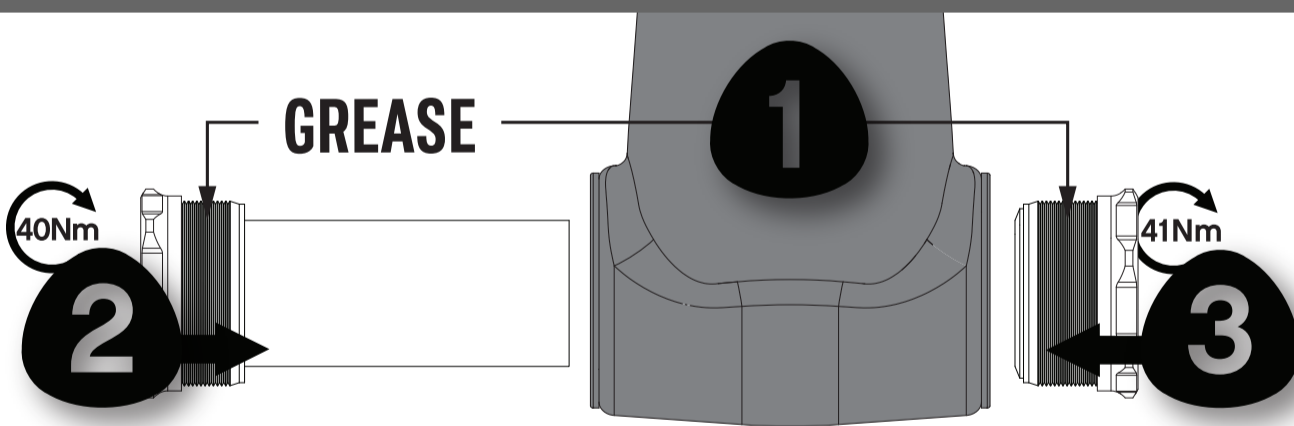
PF30 & BB30 (24/30mm SPINDLE, 3x BB Shell Spacers in Packaging)

CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE BB SHELL SPACERS	DRIVE SIDE BB SHELL SPACERS
XCX, TRS, LG1	68mm	1 x 2.5mm	2 x 2.5mm
XCX, TRS, LG1	73mm	none	1 x 2.5mm
LG1	83mm	1 x 2.5mm	2 x 2.5mm

PF30 Fatbike (24/30mm SPINDLE)

CRANKSET	SPINDLE LENGTH	BB SHELL WIDTH	NON-DRIVE SIDE SPINDLE SPACERS	DRIVE SIDE SPINDLE SPACERS
TRS Fatbike 73mm offset	145mm	100mm	2.5mm	2.5mm
TRS Fatbike 83mm offset	155mm	100mm	7.5mm (2.5mm + 5mm)	7.5mm (2.5mm + 5mm)m

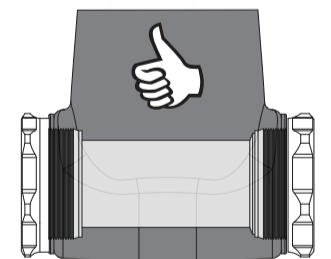
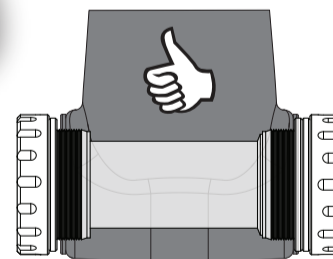
BSA INSTALL



SHIMANO BB TOOL OR SRAM GXP TOOL
BASE CRANKS & BB
24MM SPINDLE



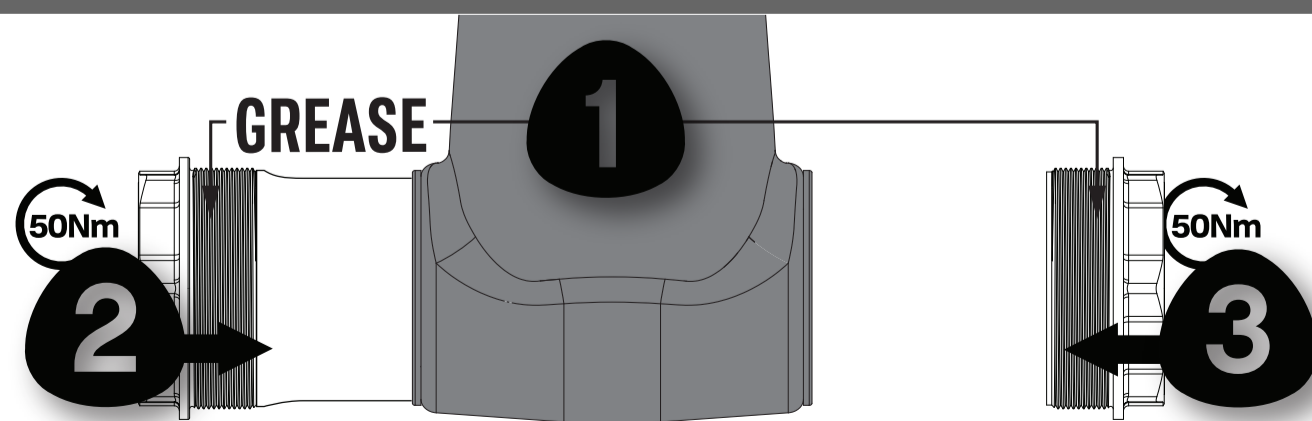
e*thirteen BB/LOCKRING TOOL
PLUS/RACE CRANKS & BB
30MM SPINDLE



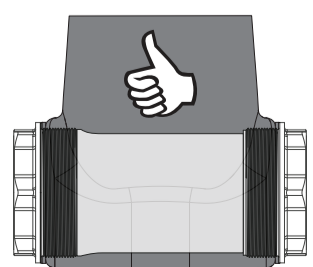
BSA (24/30mm SPINDLE)

CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE BB SHELL SPACERS	DRIVE SIDE BB SHELL SPACERS
XCX, TRS, or LG1	68mm	1 x 2.5mm	2 x 2.5mm
XCX, TRS, or LG1	73mm	none	1 x 2.5mm
LG1	83mm	1 x 2.5mm	2 x 2.5mm

T47 INSTALL



e*thirteen BB/LOCKRING TOOL
PLUS/RACE CRANKS & BB
30MM SPINDLE



T47 (30mm SPINDLE)

CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE BB SHELL SPACERS	DRIVE SIDE BB SHELL SPACERS
XCX	68mm	none	none
XCX	73mm	none	1 x 2.5mm