

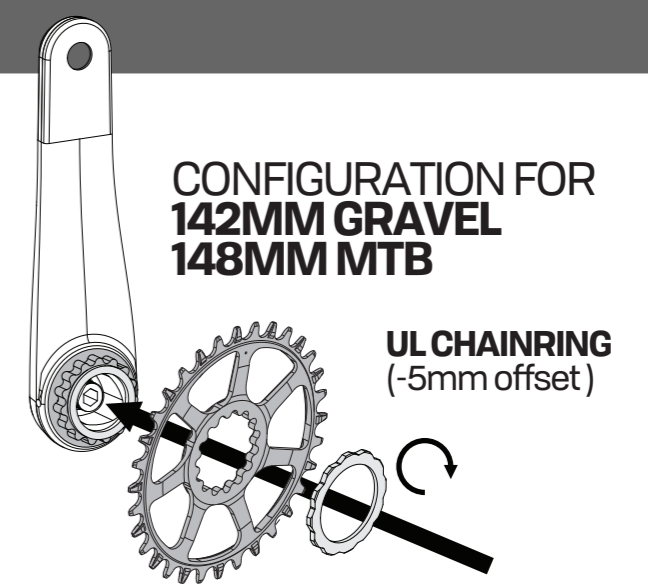
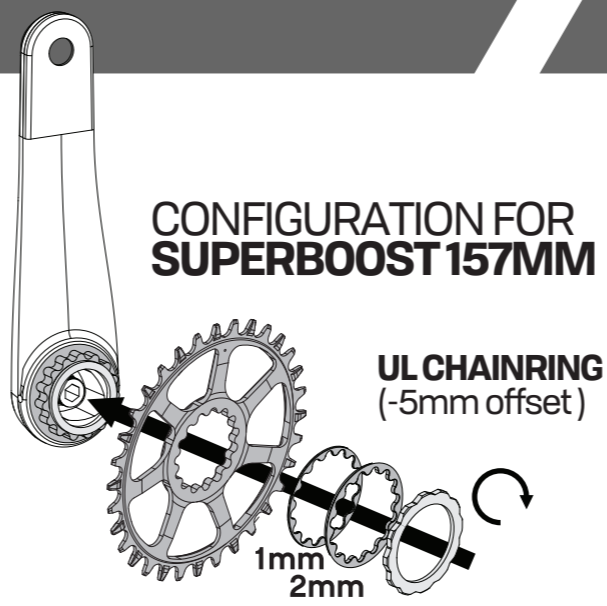
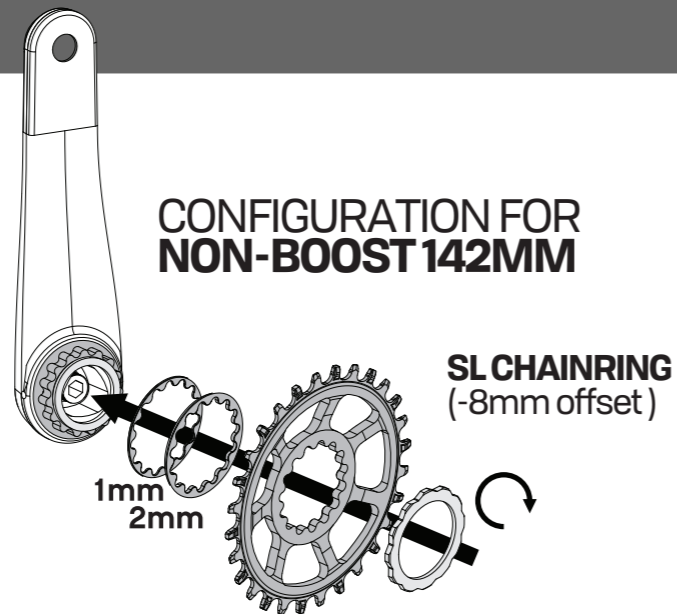
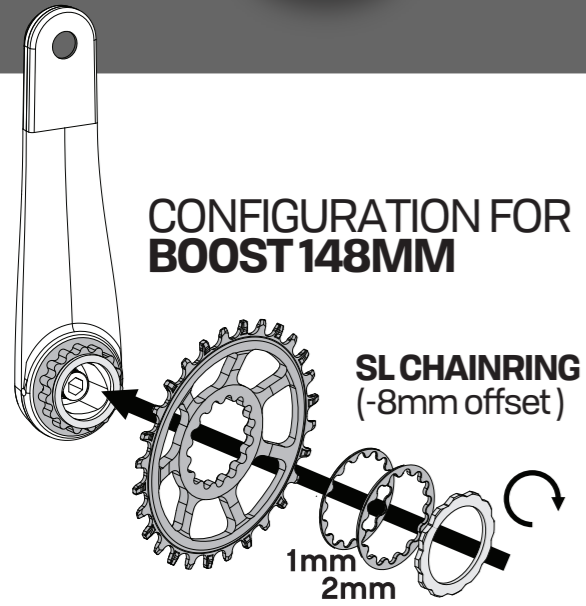
1

FOR TRS/LG1 CRANKS WITH CHAINLINE ADJUSTMENT

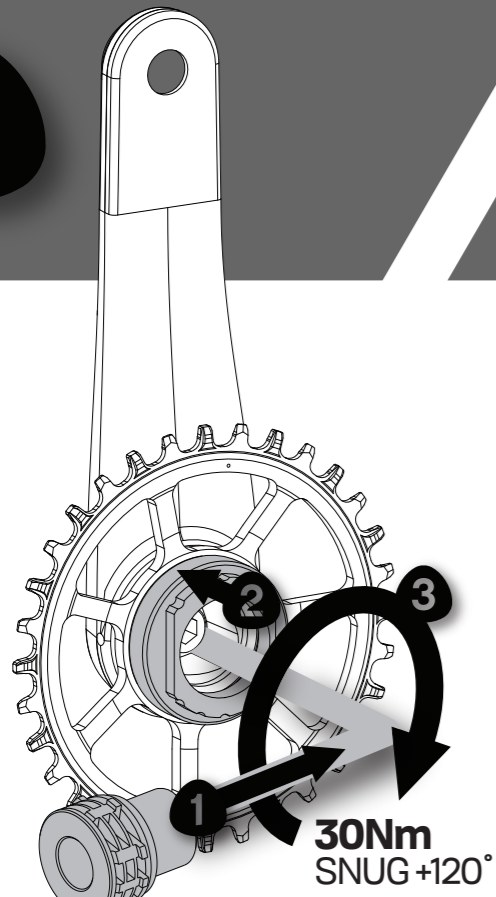
142MM/148MM FRAMES: Use **SL Chainring** (-8mm offset).
157MM FRAMES: Use **UL Chainring** (-5mm offset).

FOR XCX CRANKS WITHOUT CHAINLINE ADJUSTMENT

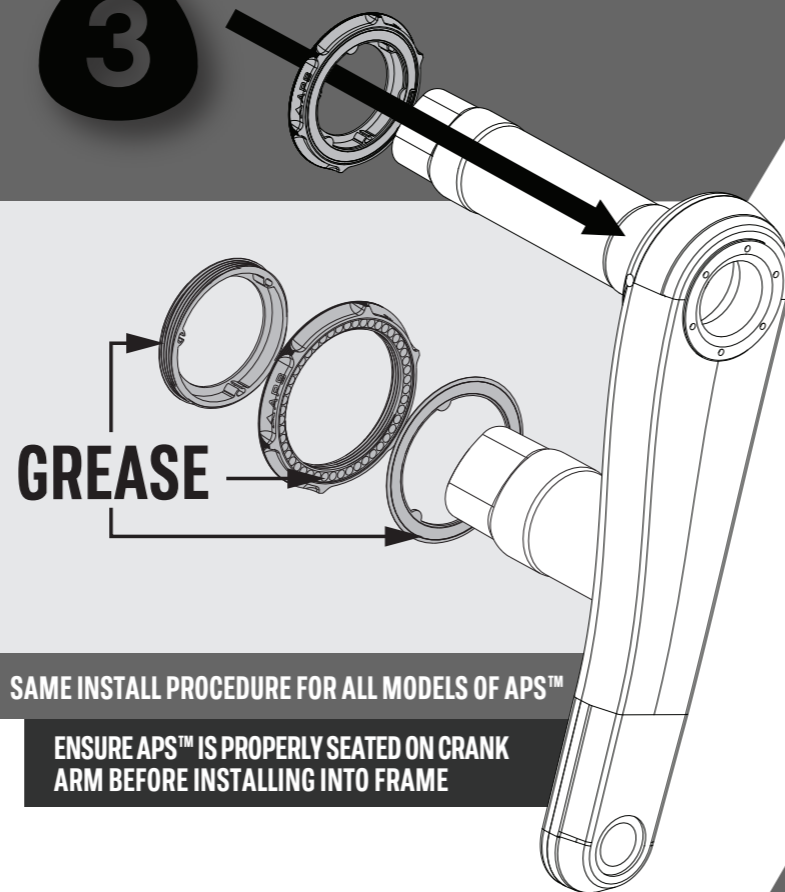
142MM GRAVEL FRAMES: Use **UL Chainring** (-5mm offset).
148MM MTBFRAMES: Use **UL Chainring** (-5mm offset).



2

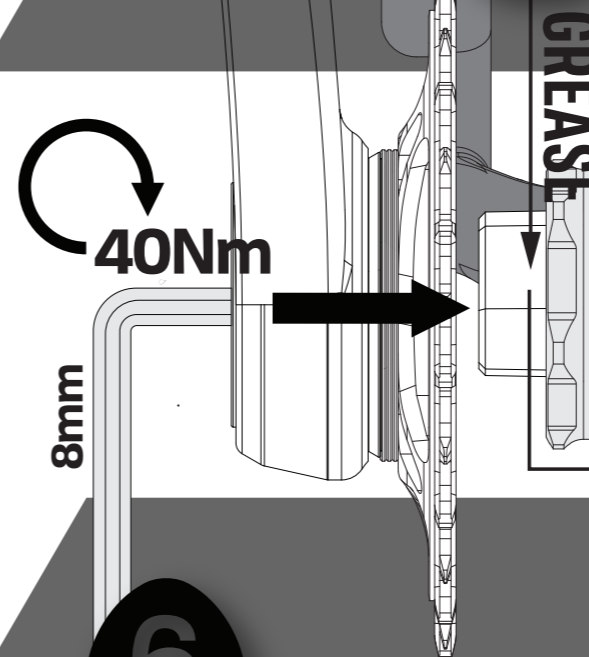


3

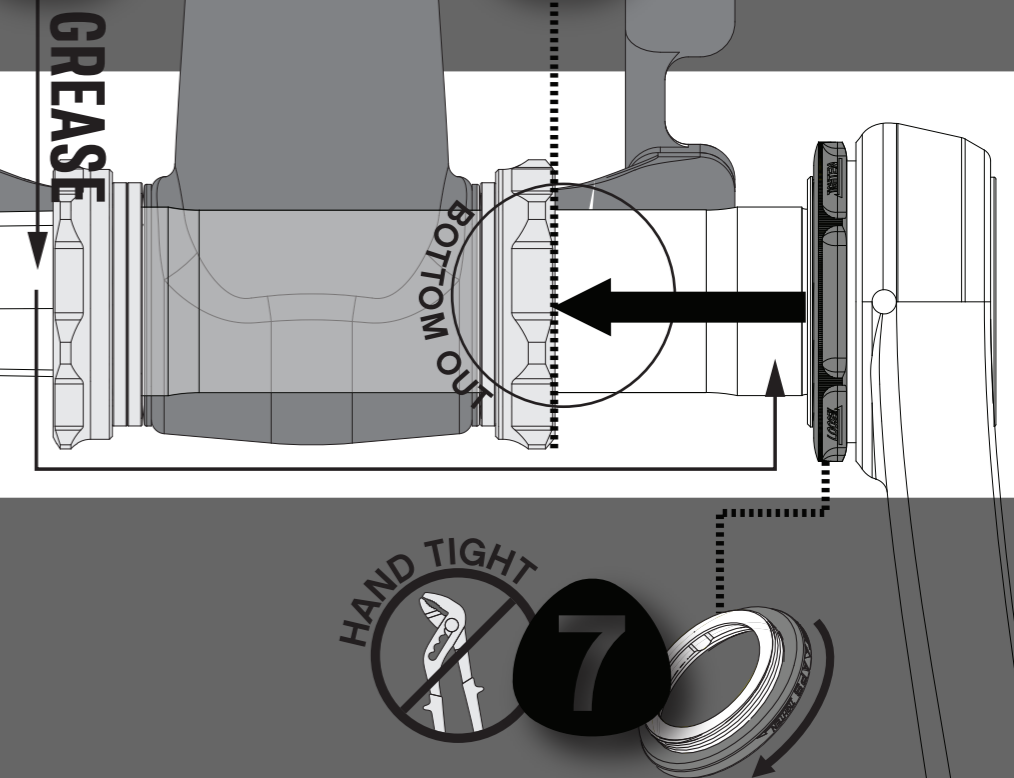


ENSURE APS™ IS PROPERLY SEATED ON CRANK ARM BEFORE INSTALLING INTO FRAME

4



5

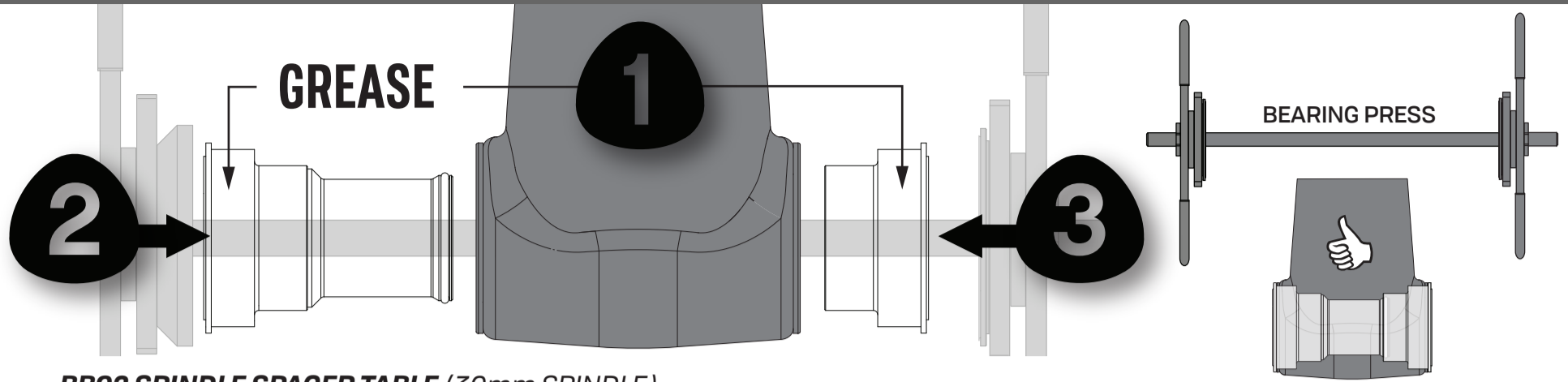


6

7

e*thirteen BOTTOM BRACKET INSTALLATION

BB92 INSTALL



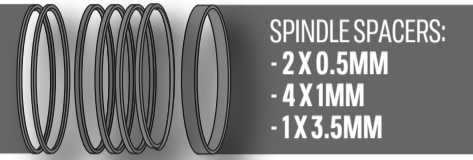
BB92 SPINDLE SPACER TABLE (30mm SPINDLE)

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)

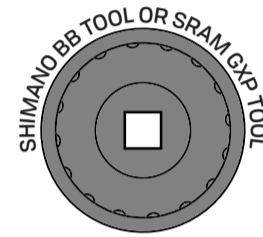
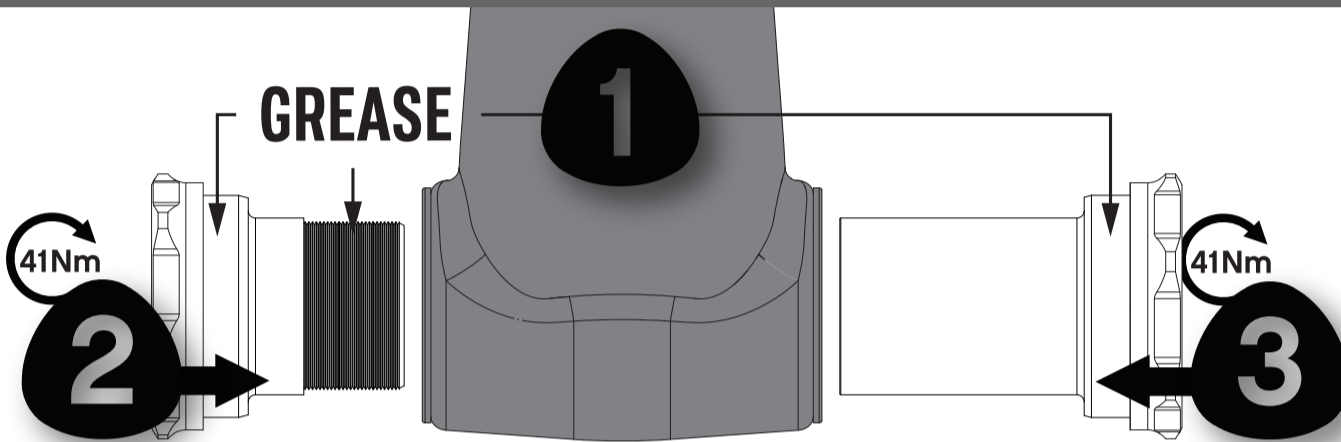
CRANKSET	BB SHELL WIDTH	NON-DRIVE SIDE SPINDLE SPACERS	DRIVE SIDE SPINDLE SPACERS
All e*thirteen cranks	92mm or 107mm	NONE	NONE

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

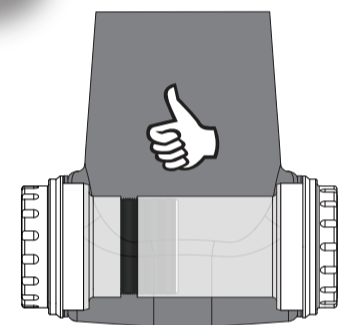
PF30 INSTALL



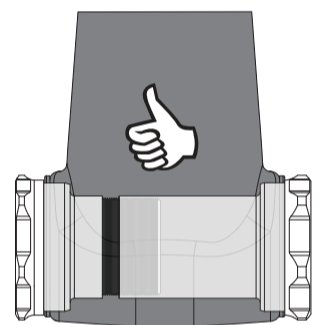
SHIMANO BB TOOL OR SRAM GXP TOOL



e*thirteen BB/LOCKRING TOOL



BASE CRANKS & BB
24MM SPINDLE



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

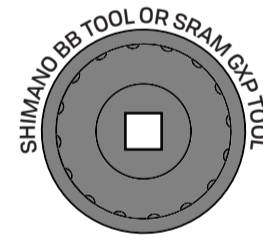
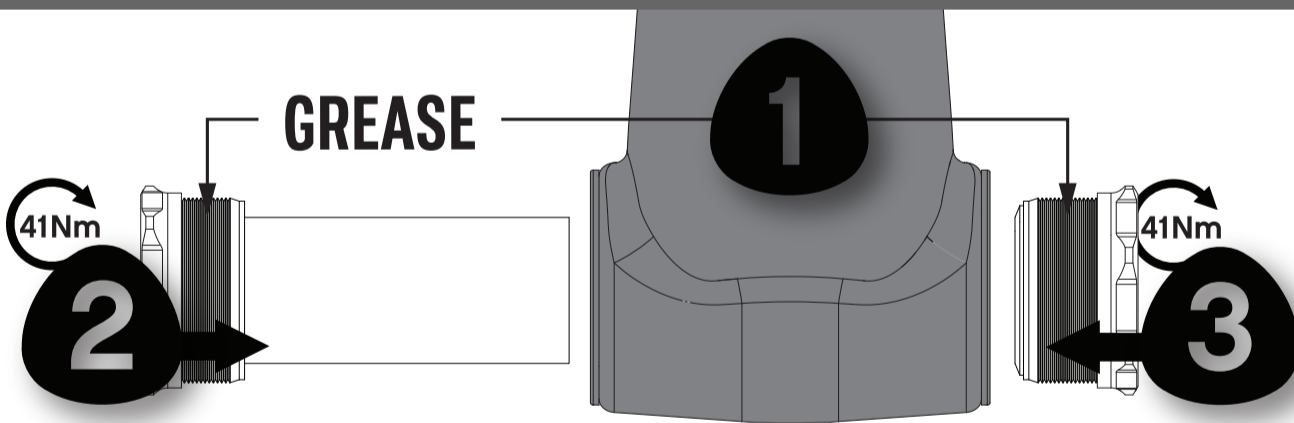
PF30 & BB30 (24/30mm SPINDLE, 3x BB Shell Spacers in Packaging)

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

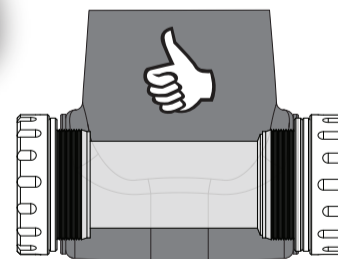
BSA INSTALL



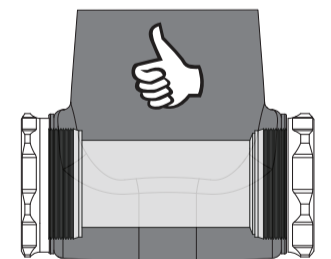
SHIMANO BB TOOL OR SRAM GXP TOOL



e*thirteen BB/LOCKRING TOOL



BASE CRANKS & BB
24MM SPINDLE

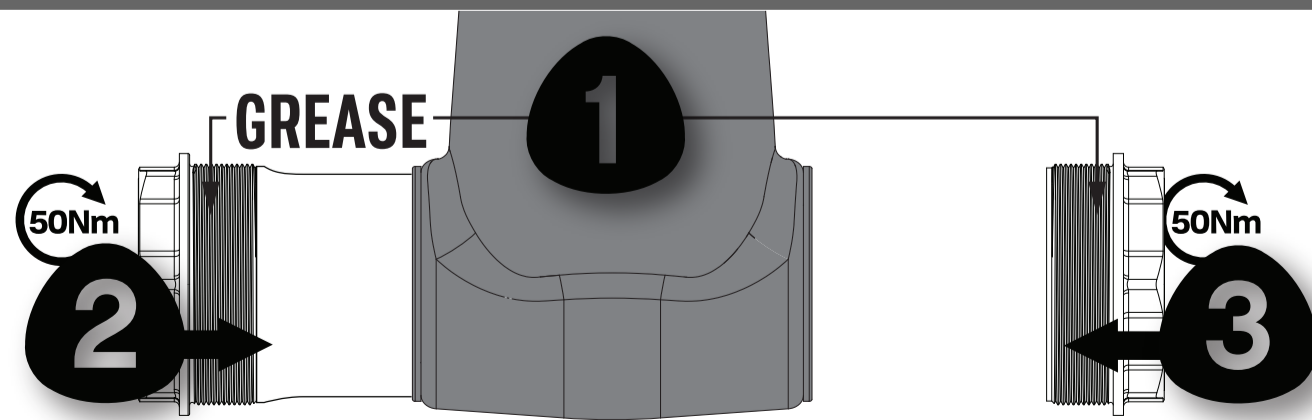


PLUS/RACE CRANKS & BB
30MM SPINDLE

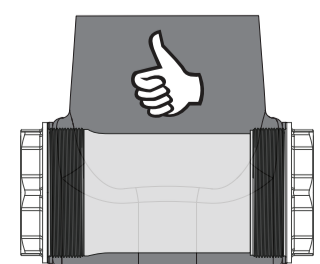
BSA (24/30mm SPINDLE)

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