

E X P L O D E D W H E E L D I A G R A M S



HZN
PRO

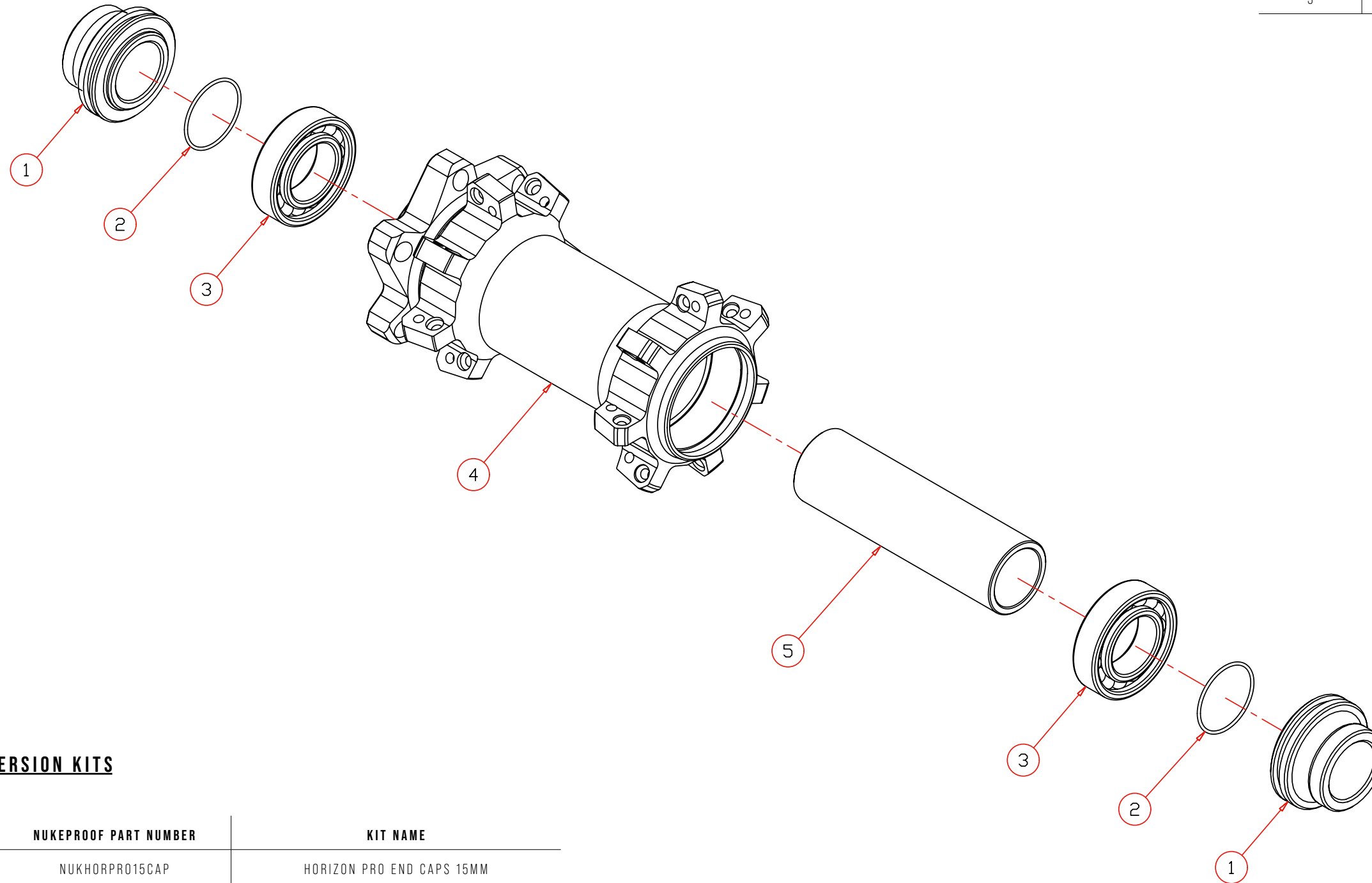






15MM BOOST

ITEM	DESCRIPTION	QTY
1	CAP	2
2	O-RING	2
3	BEARING (6902)	2
4	HUB SHELL	1
5	BUSHING	1



SPARE PARTS AND CONVERSION KITS

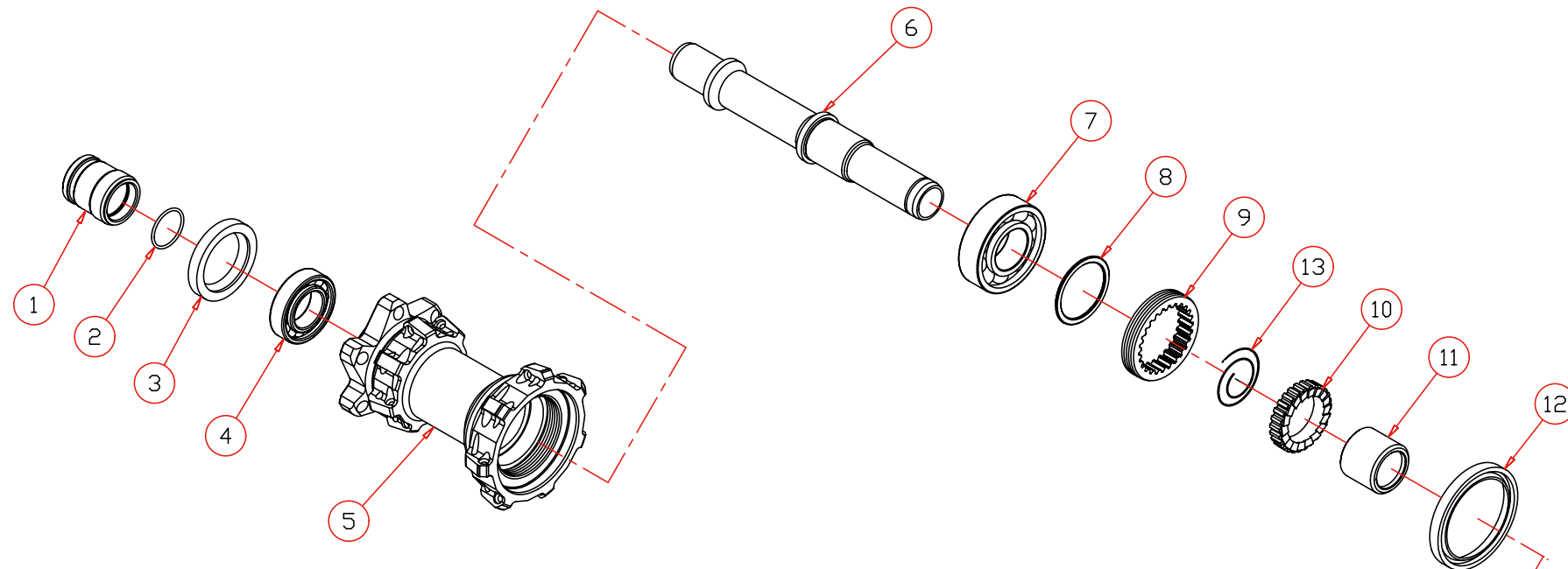
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKHORPRO15CAP	HORIZON PRO END CAPS 15MM

HUB DIMENSIONS

LEFT FLANGE Ø (PCD)	RIGHT FLANGE Ø (PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
44.8/44.2	44.8/44.2	32	42.5	4.2/2.5	5.25	74.5



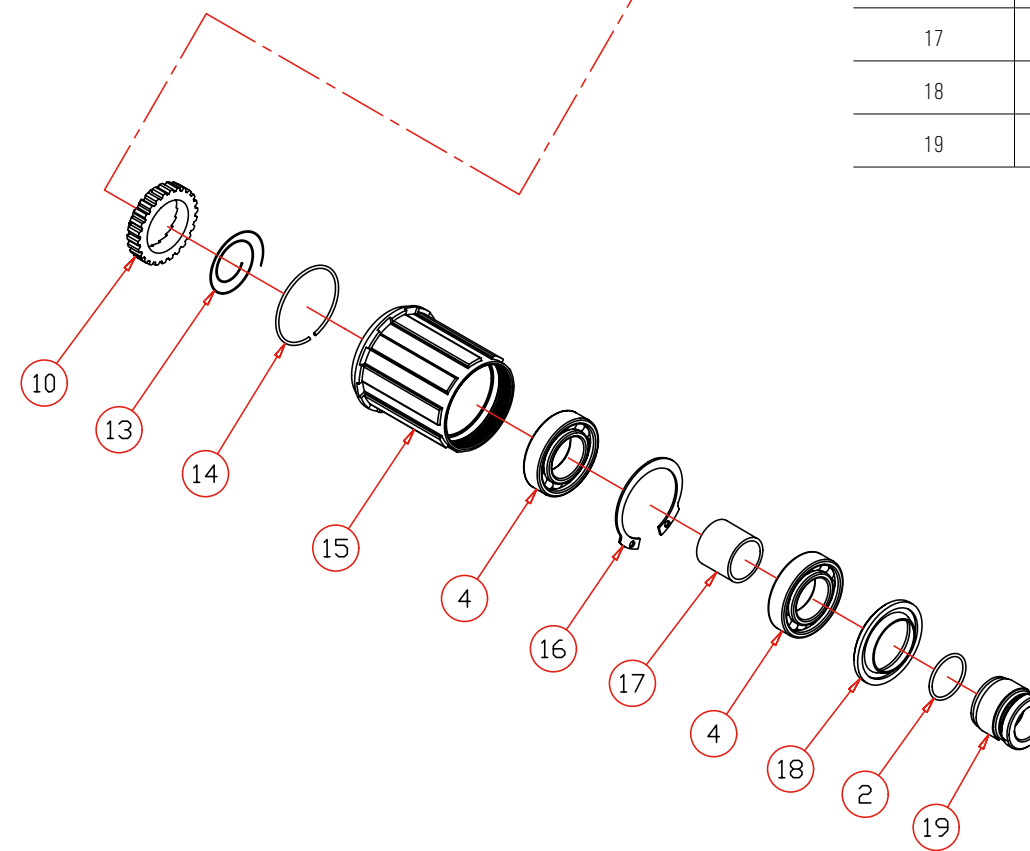
148MM SHIMANO HG



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	O-RING	2
3	INTERNAL SEAL	1
4	BEARING [6902]	3
5	HUB SHELL	1
6	AXLE	1
7	BEARING [6903]	1
8	WASHER	1
9	RATCHET RING	1
10	STAR RATCHET	2
11	BUSHING	1
12	INTERNAL SEAL	1
13	SPRING	2
14	C-RING	1
15	CASSETTE BODY	1
16	CIRCLIP	2
17	BUSHING	1
18	INTERNAL SEAL	1
19	CAP	1

SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
4, 11, 12, 14, 15, 16, 17, 18	NUKHORPROFHG	HORIZON PRO FREEHUB BODY HG
N/A	NUKHORPROFXD	HORIZON PRO FREEHUB BODY XD
N/A	NUKHORPROFHMS	HORIZON PRO FREEHUB BODY MS
10, 13	NUKHORPRORR54T	REPLACEMENT RATCHET RINGS AND SPRINGS 54T
1, 2, 19	NUKHORPRO148HGDCAP	HORIZON PRO END CAPS 148MM HG / XD
N/A	NUKHORPRO148MSCAP	HORIZON PRO END CAPS 148MM MS
6	NUKHORPT0148AXL	HORIZON PRO 148MM AXLE
3	NUKHORPRONDSSEAL	HORIZON PRO NON DRIVESIDE HUB SEAL
N/A	NUKHORPROINNERRAT	HORIZON PRO INNER RATCHET NUT
N/A	NUKHORPROGRS20G	HORIZON PRO GREASE 20G
N/A	NUKHORPROSEALTOOL	HORIZON PRO SEAL TOOL

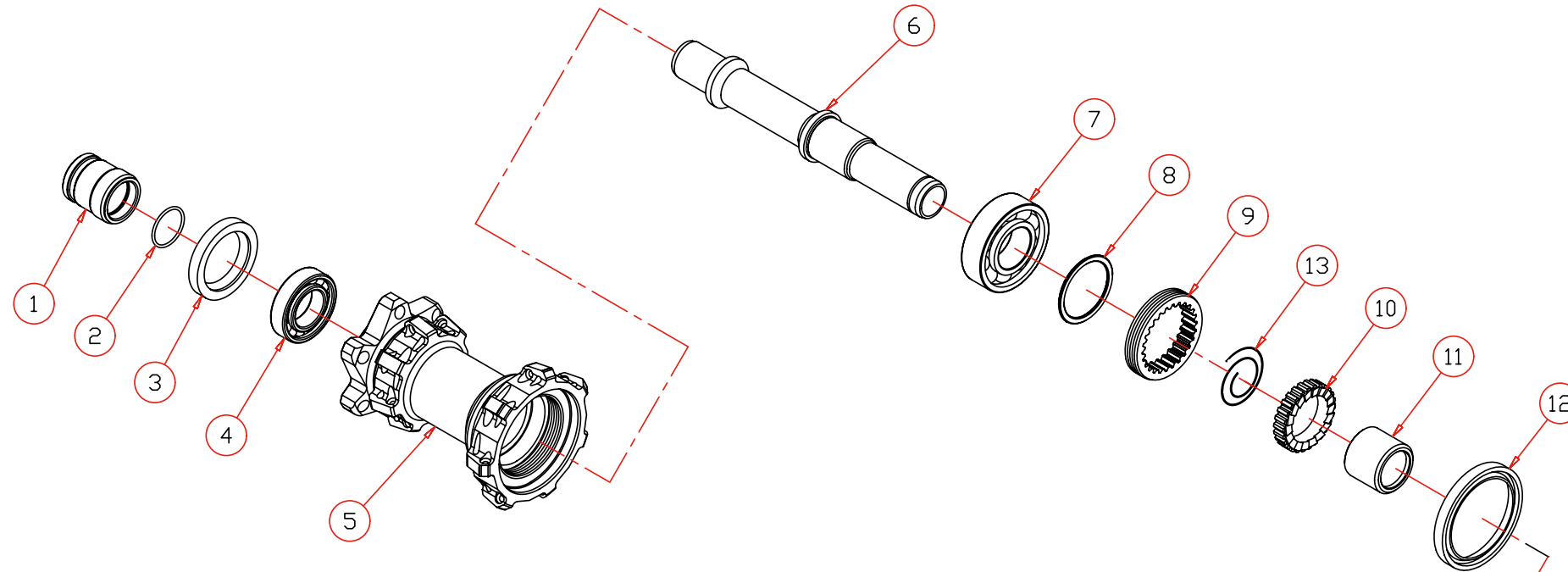


HUB DIMENSIONS

LEFT FLANGE Ø (PCD)	RIGHT FLANGE Ø (PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
38.5/36.5	50.2/48.6	42.25	26	4.2/2.5	8.13	68.3



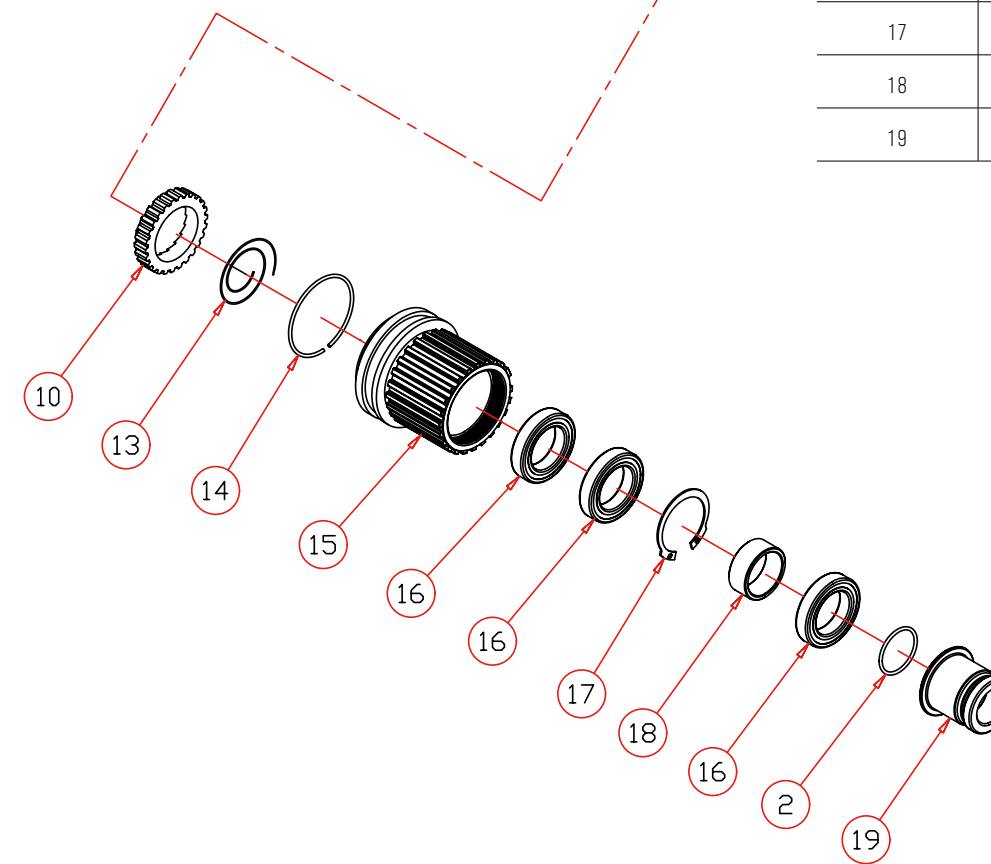
148MM SHIMANO MS



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	O-RING	2
3	INTERNAL SEAL	1
4	BEARING (6902)	1
5	HUB SHELL	1
6	AXLE	1
7	BEARING (6903)	1
8	WASHER	1
9	RATCHET RING	1
10	STAR RATCHET	2
11	BUSHING	1
12	INTERNAL SEAL	1
13	SPRING	2
14	C-RING	1
15	CASSETTE BODY	1
16	BEARING (6802)	3
17	CIRCLIP	1
18	BUSHING	1
19	CAP	1

SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
N/A	NUKHORPROFHG	HORIZON PRO FREEHUB BODY HG
N/A	NUKHORPROFXD	HORIZON PRO FREEHUB BODY XD
11, 12, 14, 15, 16, 17, 18	NUKHORPROFMS	HORIZON PRO FREEHUB BODY MS
10, 13	NUKHORPRRR54T	REPLACEMENT RATCHET RINGS AND SPRINGS 54T
N/A	NUKHORPRO148HGDCAP	HORIZON PRO END CAPS 148MM HG / XD
1, 2, 19	NUKHORPRO148MSCAP	HORIZON PRO END CAPS 148MM MS
6	NUKHORPT0148AXL	HORIZON PRO 148MM AXLE
3	NUKHORPRONDSSEAL	HORIZON PRO NON DRIVESIDE HUB SEAL
N/A	NUKHORPROINNERRAT	HORIZON PRO INNER RATCHET NUT
N/A	NUKHORPROGRS20G	HORIZON PRO GREASE 20G
N/A	NUKHORPROSEALTOOL	HORIZON PRO SEAL TOOL

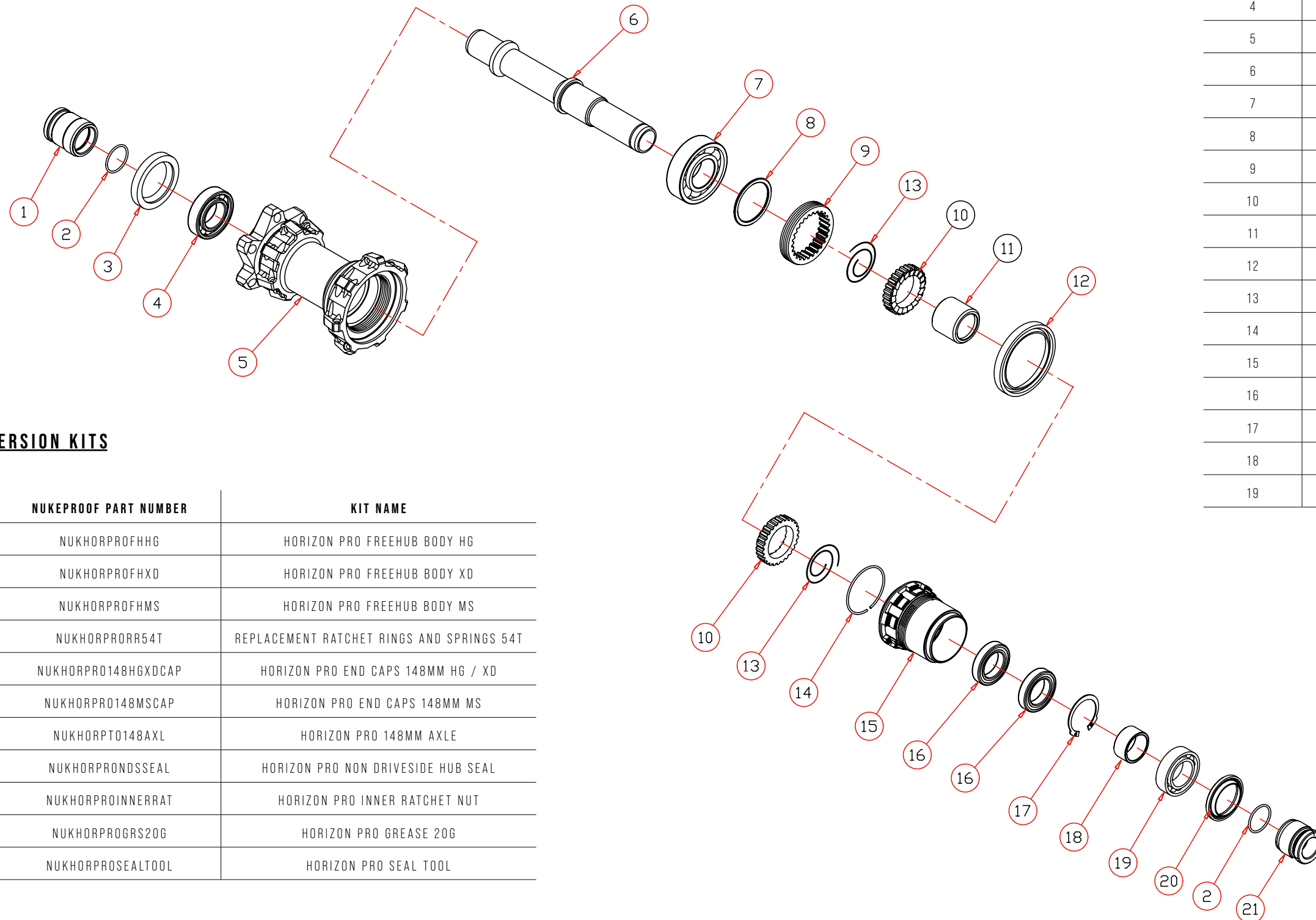


HUB DIMENSIONS

LEFT FLANGE Ø (PCD)	RIGHT FLANGE Ø (PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
38.5/36.5	50.2/48.6	42.25	26	4.2/2.5	8.13	68.3



148MM SRAM XD



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	C-RING	2
3	INTERNAL SEAL	1
4	BEARING [6902]	3
5	HUB SHELL	1
6	AXLE	1
7	BEARING [6903]	1
8	WASHER	1
9	RATCHET RING	1
10	STAR RATCHET	2
11	BUSHING	1
12	INTERNAL SEAL	1
13	SPRING	2
14	C-RING	1
15	CASSETTE BODY	1
16	CIRCLIP	1
17	BUSHING	1
18	INTERNAL SEAL	1
19	CAP	1

SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
N/A	NUKHORPROFHG	HORIZON PRO FREEHUB BODY HG
11, 12, 14, 15, 16, 17, 18, 19, 20	NUKHORPROFHXD	HORIZON PRO FREEHUB BODY XD
N/A	NUKHORPROFHMS	HORIZON PRO FREEHUB BODY MS
10, 13	NUKHORPRORR54T	REPLACEMENT RATCHET RINGS AND SPRINGS 54T
N/A	NUKHORPRO148HGDCAP	HORIZON PRO END CAPS 148MM HG / XD
1, 2, 21	NUKHORPRO148MSCAP	HORIZON PRO END CAPS 148MM MS
6	NUKHORPT0148AXL	HORIZON PRO 148MM AXLE
3	NUKHORPRONDSSEAL	HORIZON PRO NON DRIVESIDE HUB SEAL
N/A	NUKHORPROINNERRAT	HORIZON PRO INNER RATCHET NUT
N/A	NUKHORPROGRS20G	HORIZON PRO GREASE 20G
N/A	NUKHORPROSEALTOOL	HORIZON PRO SEAL TOOL

HUB DIMENSIONS

LEFT FLANGE Ø (PCD)	RIGHT FLANGE Ø (PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
38.5/36.5	50.2/48.6	42.25	26	4.2/2.5	8.13	68.3



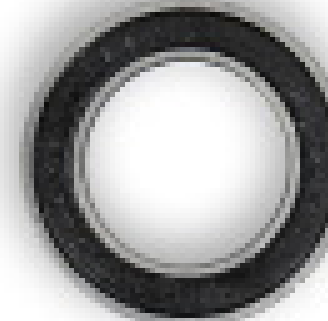
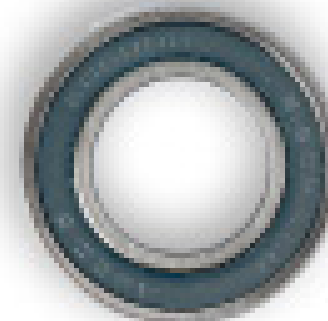
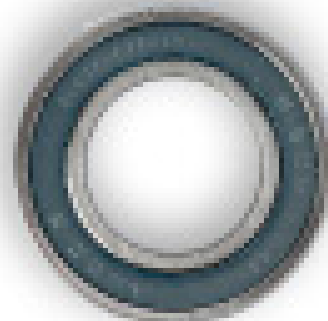
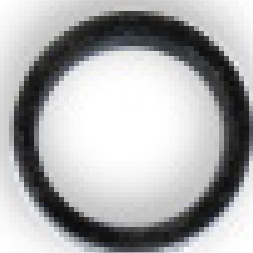
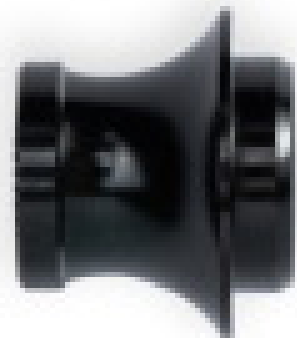
SPOKE LENGTH CHART

WHEEL	WHEEL SIZE	NON DRIVESIDE SPOKE LENGTH	DRIVESIDE SPOKE LENGTH
HORIZON PRO FRONT WHEEL 15MM BOOST	27.5"	282	285
HORIZON PRO FRONT WHEEL 15MM BOOST	29"	304	301
HORIZON PRO REAR WHEEL 148MM BOOST	27.5"	285	282
HORIZON PRO REAR WHEEL 148MM BOOST	29"	304	301

WHEEL	RIM	ERD
HORIZON PRO	27.5"	554.5
HORIZON PRO	29"	592.5



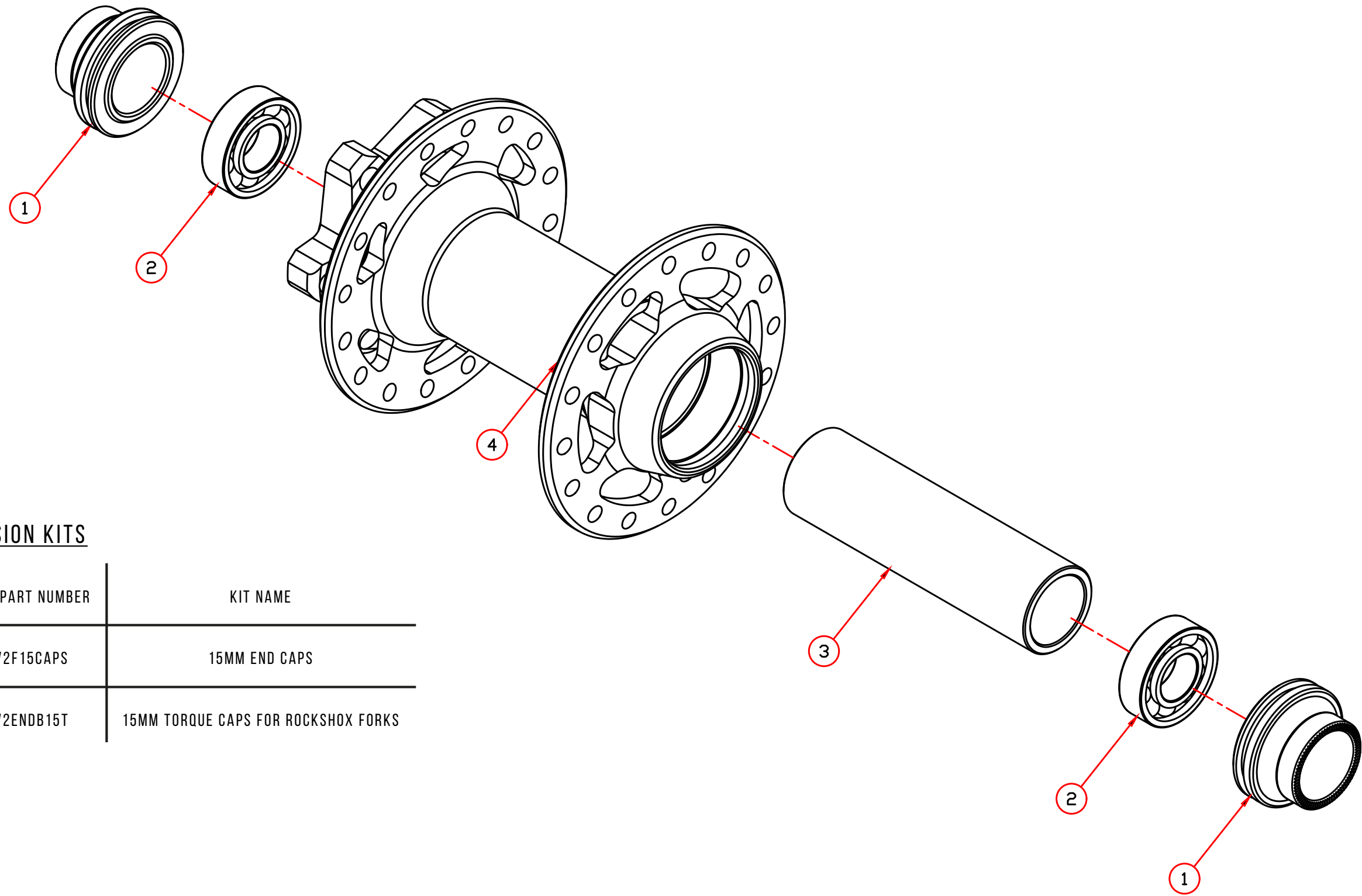
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15MM BOOST HORIZON

ITEM	DESCRIPTION	QTY
1	CAP	2
2	BEARING (15267)	2
3	BUSHING	1
4	HUB SHELL	1



SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKHORV2F15CAPS	15MM END CAPS
1	NUKHORV2ENDB15T	15MM TORQUE CAPS FOR ROCKSHOX FORKS

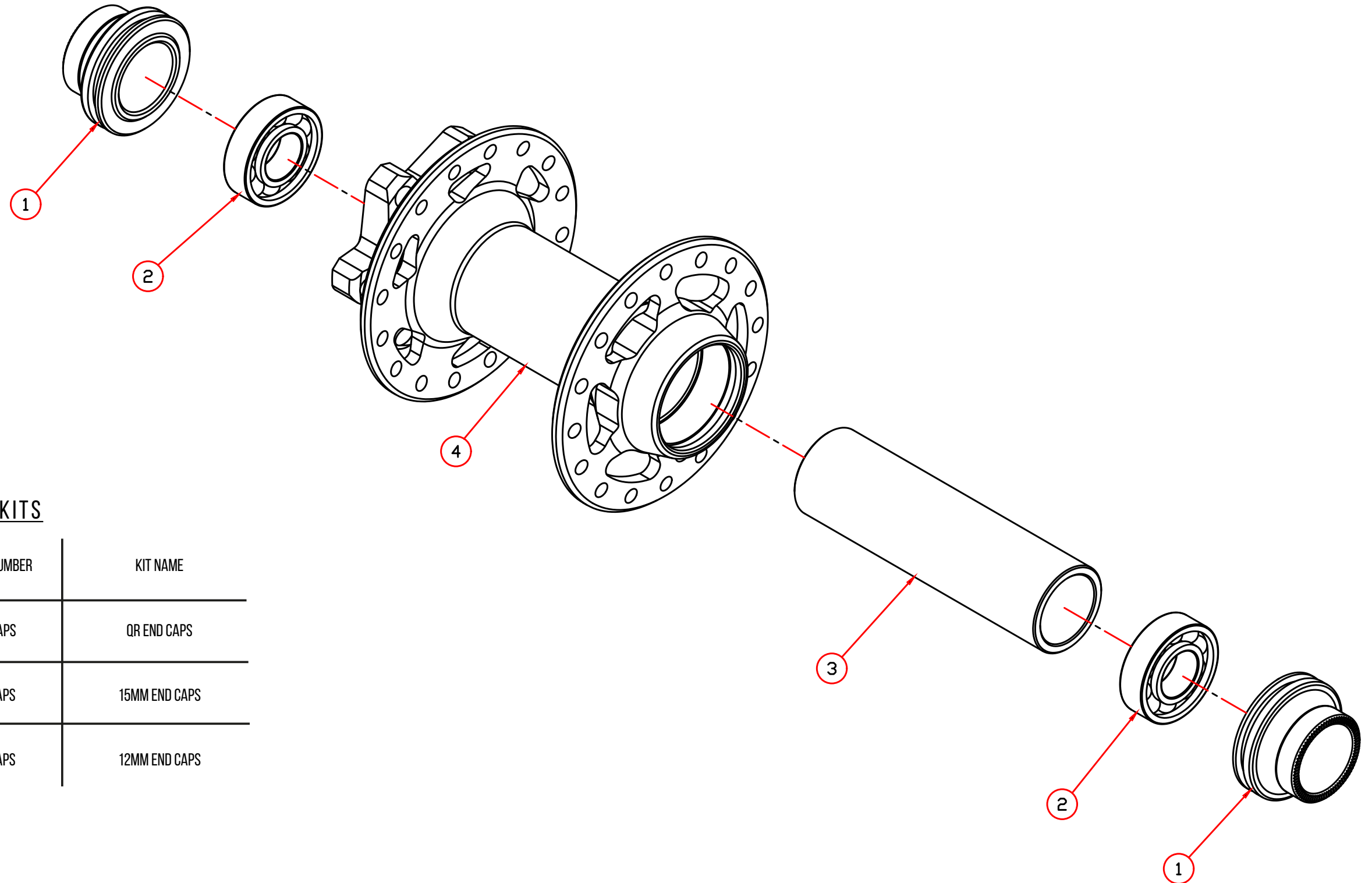
HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	29.03	34.97	2.6	2.97	64



15MM NON BOOST HORIZON

ITEM	DESCRIPTION	QTY
1	CAP	2
2	BEARING (15267)	2
3	BUSHING	1
4	HUB SHELL	1



SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKHORVF9QRCAPS	QR END CAPS
1	NUKHORV2F15CAPS	15MM END CAPS
1	NUKHORV2F12CAPS	12MM END CAPS

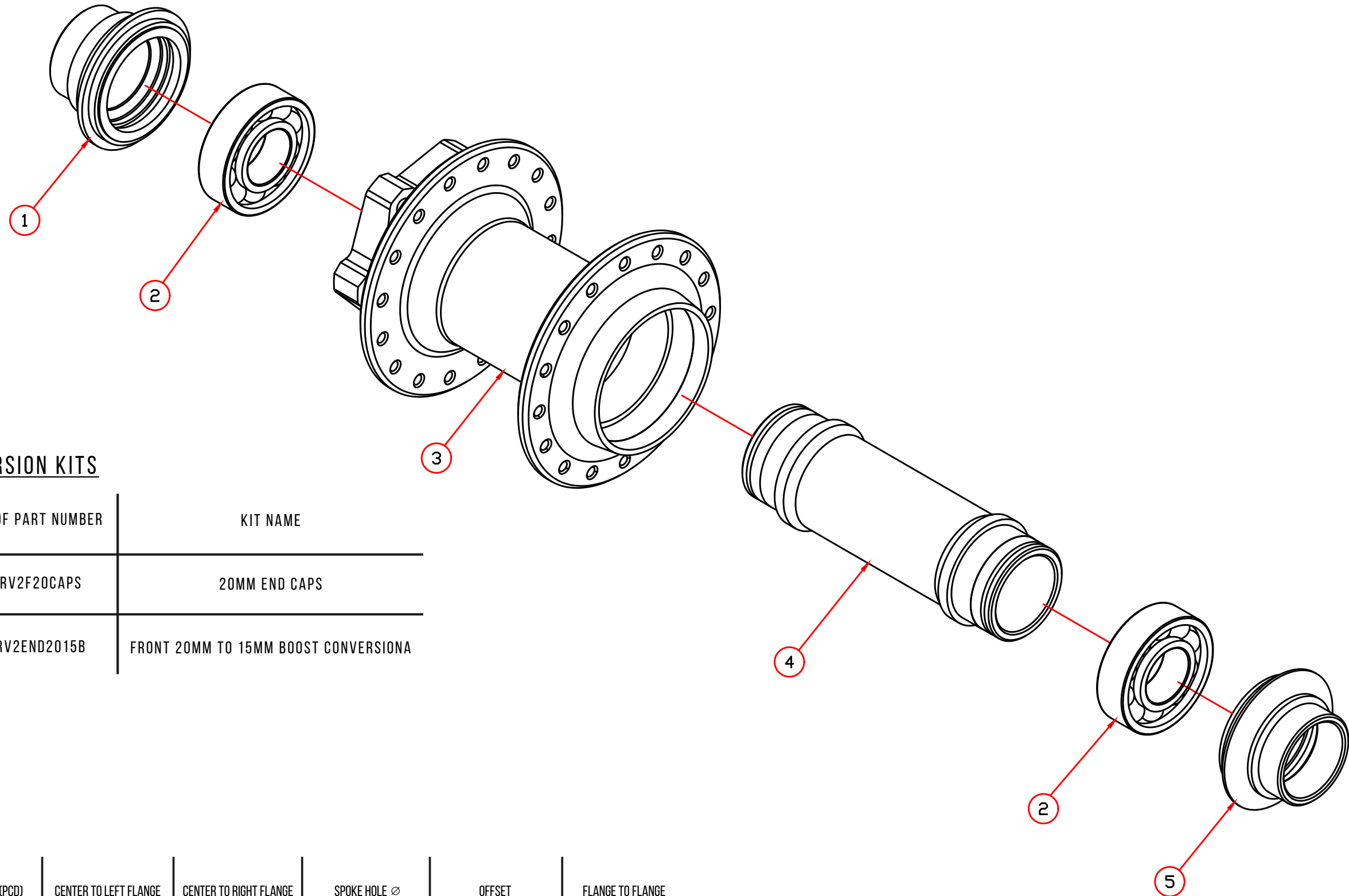
HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	24.03	29.97	2.6	2.97	54



20MM BOOST HORIZON

ITEM	DESCRIPTION	QTY
1	CAP	1
2	BEARING (61805)	2
3	HUB SHELL	1
4	AXLE	1
5	CAP (R)	1



SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKHORV2F20CAPS	20MM END CAPS
1	NUKHORV2END2015B	FRONT 20MM TO 15MM BOOST CONVERSIONA

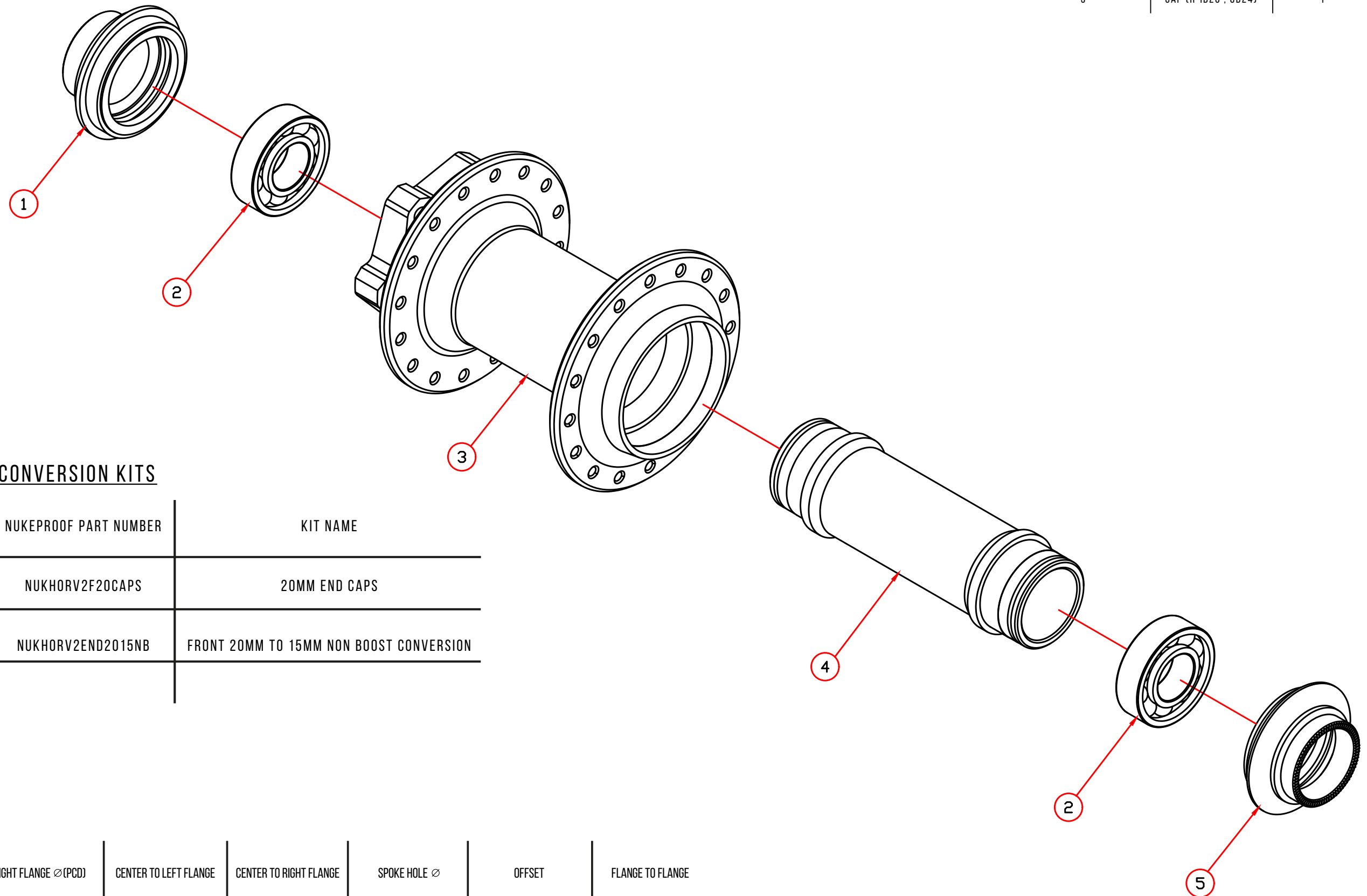
HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	24.25	32.75	2.6	4.25	57



20MM NON BOOST HORIZON

ITEM	DESCRIPTION	QTY
1	CAP (L-ID20 , OD24)	1
2	BEARING (61805)	2
3	HUB SHELL	1
4	AXLE	1
5	CAP (R-ID20 , OD24)	1



SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKHORV2F20CAPS	20MM END CAPS
1	NUKHORV2END2015NB	FRONT 20MM TO 15MM NON BOOST CONVERSION

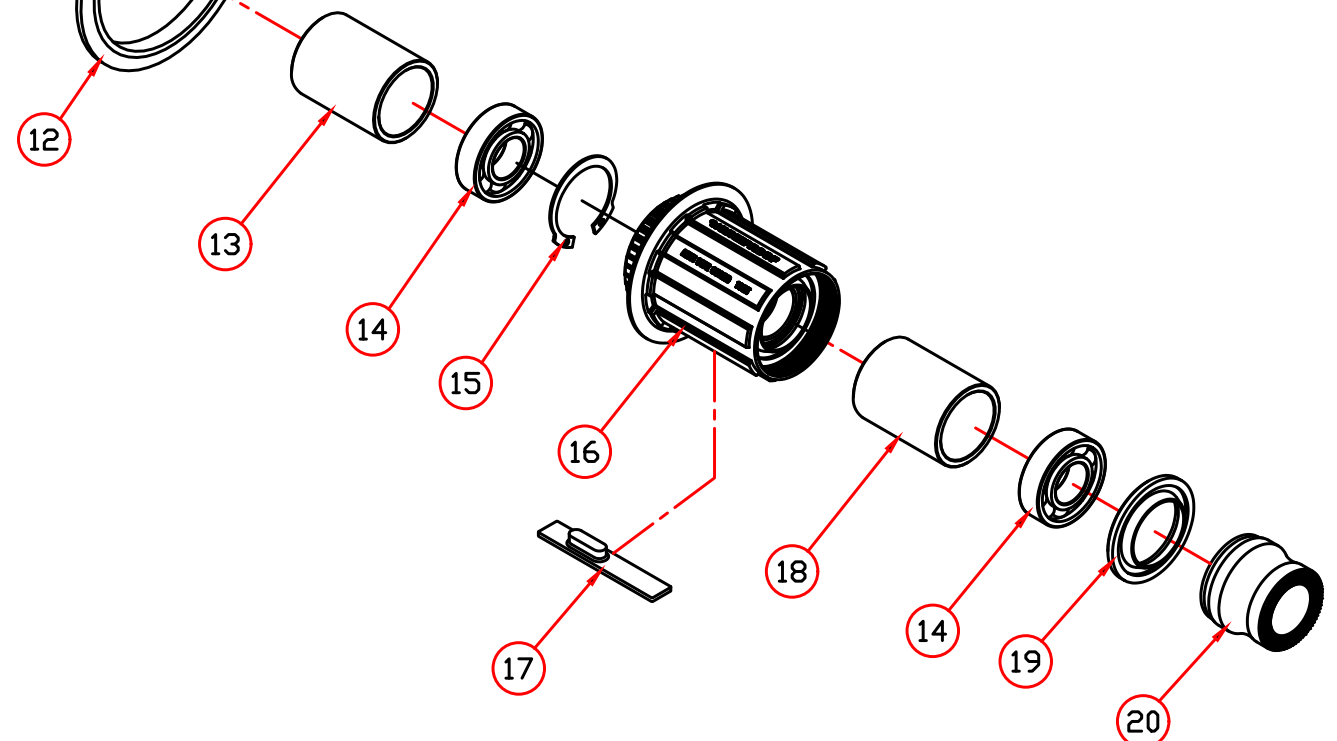
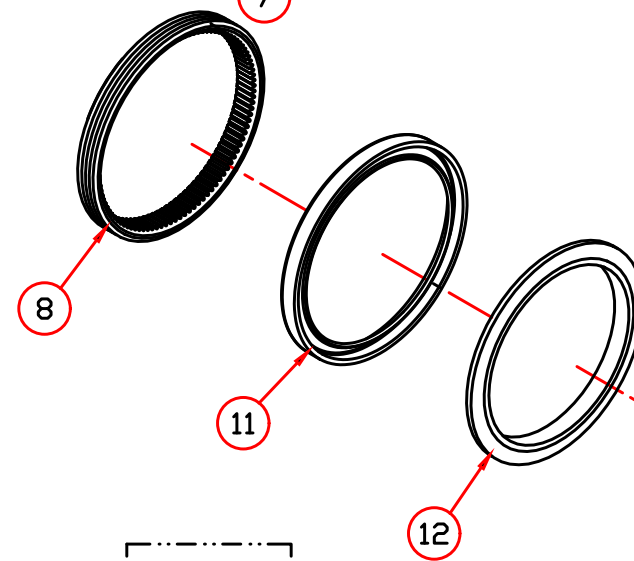
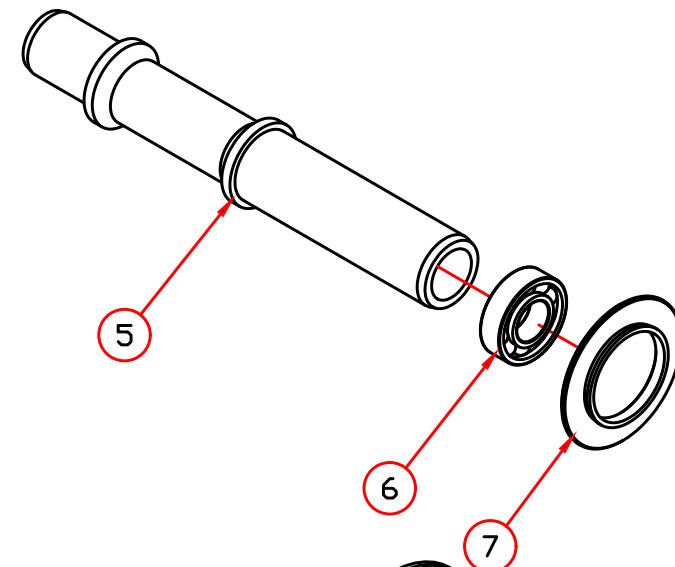
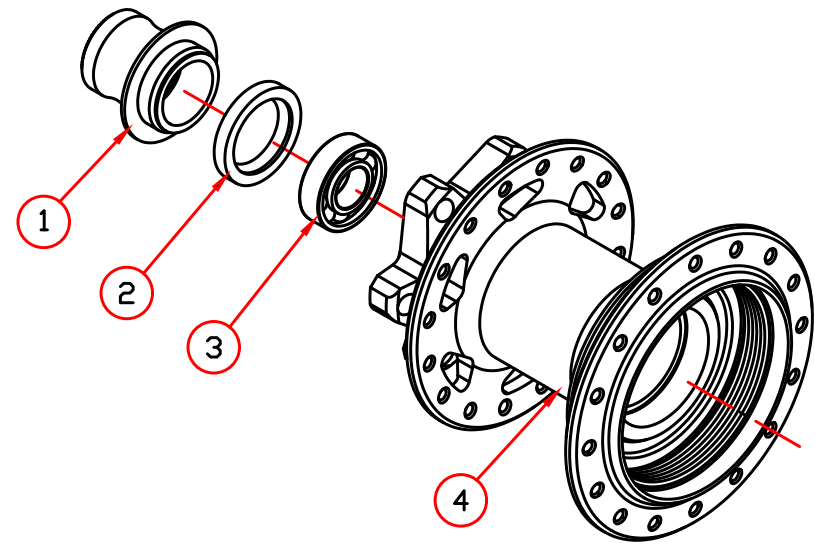
HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	29.05	35.95	2.6	3.45	65



142MM SHIMANO HG HORIZON

ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (17287)	1
7	WASHER	1
8	RATCHET RING	1
9	PAWL	6
10	SPRING	6
11	INTERNAL SEAL	1
12	WATERPROOF COVER	1
13	BUSHING	1
14	BEARING (17287)	2
15	CIRCLIP	1
16	CASSETTE BODY	1
17	ANTI-BITE	1
18	BUSHING	1
19	INTERNAL SEAL	1
20	CAP (R)	



SPARE PARTS AND CONVERSION KITS

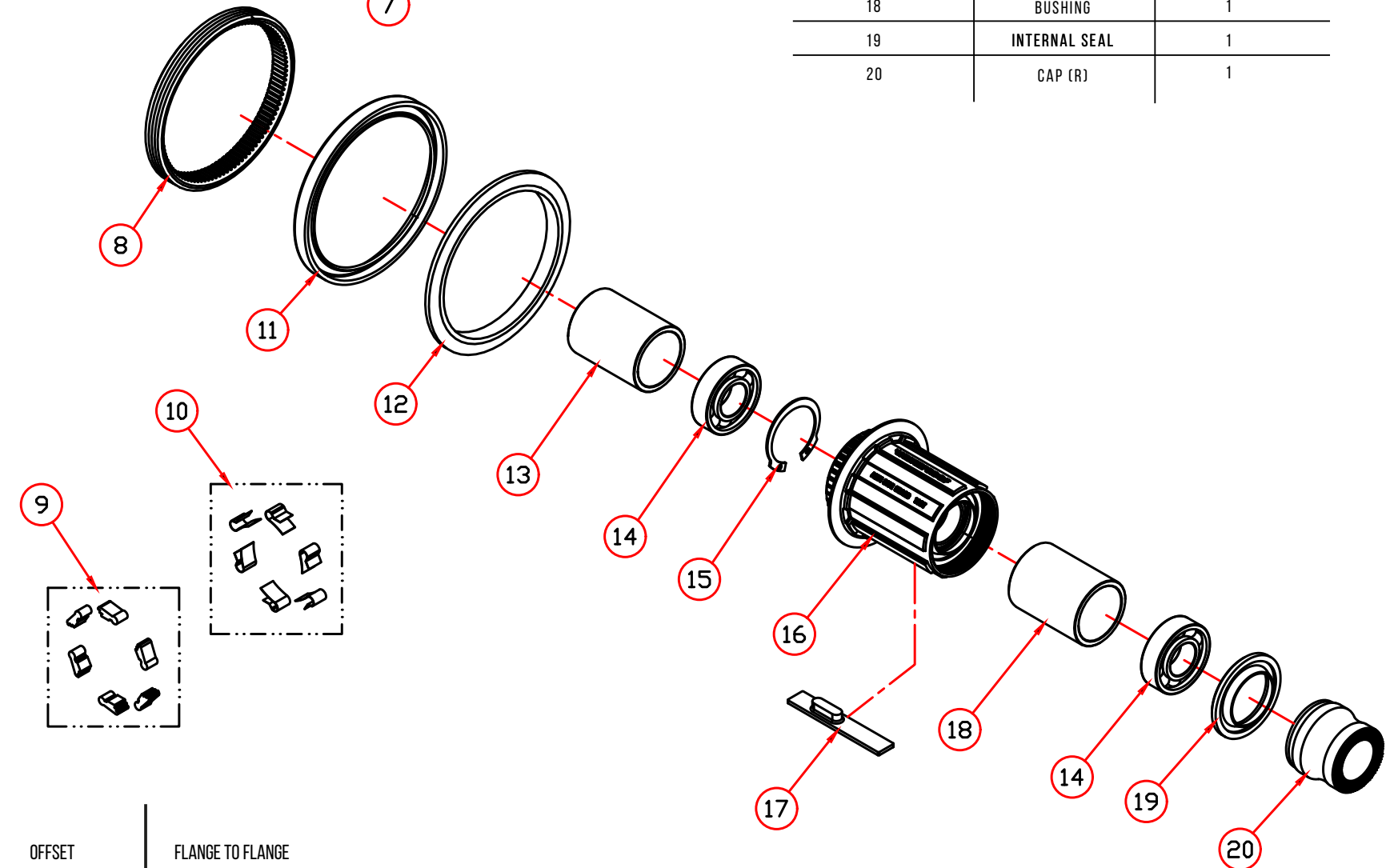
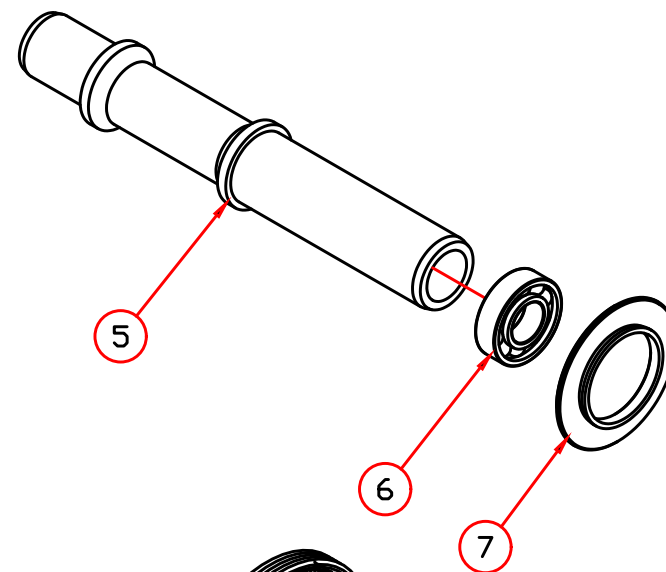
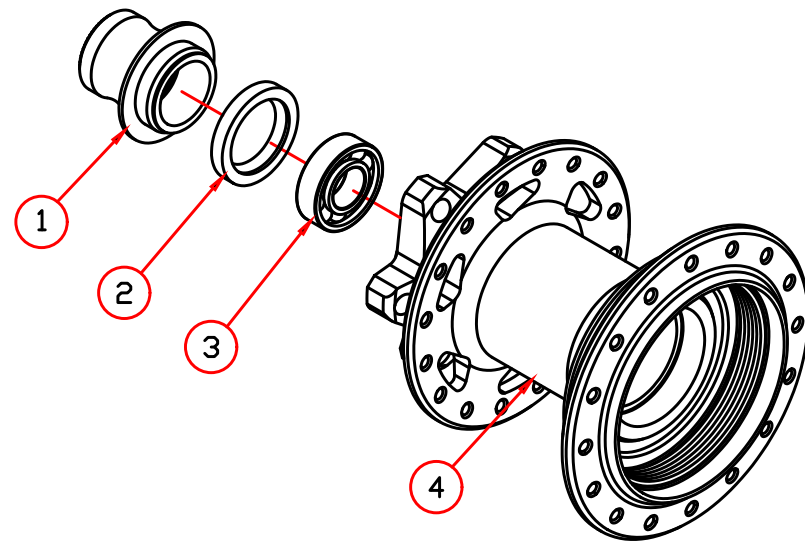
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,20	NUKHORV2R135CAPS	HORIZON V2 END CAPS 135MM QR
1,20	NUKHORV2R148CAPS	HORIZON V2 END CAPS 142MM
2	NUKNDHUBSEAL	HORIZON V2 NON DRIVE HUB SEAL
5	NUKHORV2142AXLE	HORIZON V2 142MM REAR AXLE
7,9,10	NUKHORV2PS6OLD	PAWLS & SPRINGS - LOUD
7,9,10	NUKHORV2PSSIL	PAWLS & SPRINGS - QUIET
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHG	HORIZON V2 SHIMANO HG ALLOY FREEHUB INC 1.85MM SPACER
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHHGST	HORIZON V2 SHIMANO HG STEEL FREEHUB INC 1.85MM SPACER
N/A	NUKHORV2102TFXD	HORIZON V2 SRAM XD FREEHUB

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	64	19.49	34.81	2.6	7.66	54.3



148MM SHIMANO HG HORIZON



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (17287)	1
7	WASHER	1
8	RATCHET RING	1
9	PAWL	6
10	SPRING	6
11	INTERNAL SEAL	1
12	WATERPROOF COVER	1
13	BUSHING	1
14	BEARING (17287)	2
15	CIRCLIP	1
16	CASSETTE BODY	1
17	ANTI-BITE	1
18	BUSHING	1
19	INTERNAL SEAL	1
20	CAP (R)	1

SPARE PARTS AND CONVERSION KITS

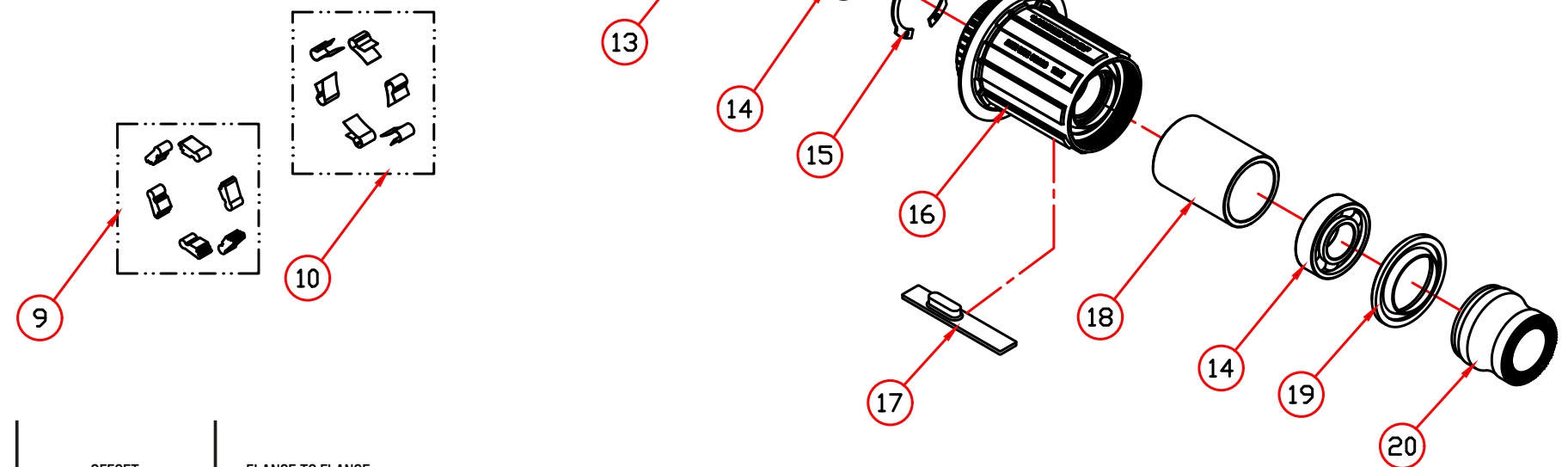
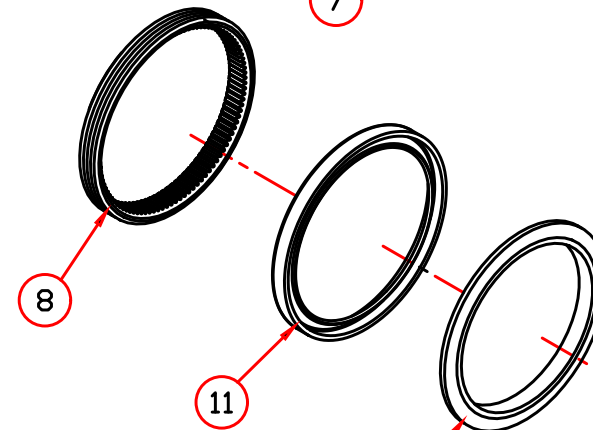
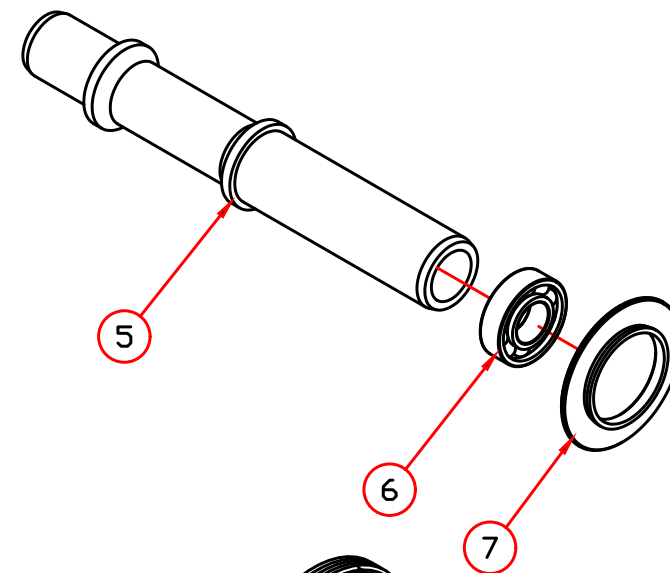
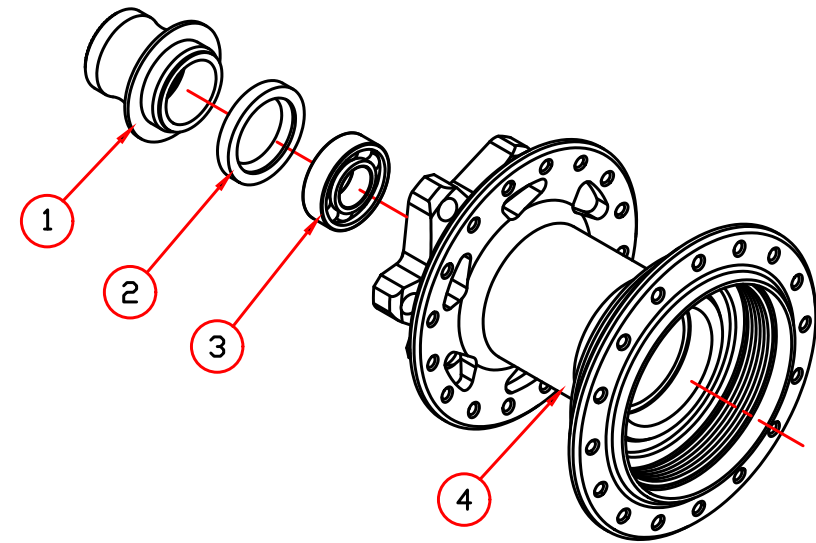
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,20	NUKHORV2R141BCAPS	HORIZON V2 END CAPS 141MM BOOST QR
1,20	NUKHORV2R148CAPS	HORIZON V2 END CAPS 148MM
2	NUKNDHUBSEAL	HORIZON V2 NON DRIVE HUB SEAL
5	NUKHORV2148AXLE	HORIZON V2 148MM REAR AXLE
7,9,10	NUKHORV2PSGOLD	PAWLS & SPRINGS - LOUD
7,9,10	NUKHORV2PSSIL	PAWLS & SPRINGS - QUIET
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHG	HORIZON V2 SHIMANO HG ALLOY FREEHUB INC 1.85MM SPACER
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHHGST	HORIZON V2 SHIMANO HG STEEL FREEHUB INC 1.85MM SPACER
N/A	NUKHORV2102TFXD	HORIZON V2 SRAM XD FREEHUB
N/A	NUKHORV2102TMS	HORIZON V2 SHIMANO MICROSPLINE ALLOY FREEHUB
N/A	NUKHORV2102TFHMSST	HORIZON V2 SHIMANO MICROSPLINE STEEL FREEHUB

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	64	22.43	37.77	2.6	7.67	60.2



150MM SHIMANO HG HORIZON



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (17287)	1
7	WASHER	1
8	RATCHET RING	1
9	PAWL	6
10	SPRING	6
11	INTERNAL SEAL	1
12	WATERPROOF COVER	1
13	BUSHING	1
14	BEARING (17287)	2
15	CIRCLIP	1
16	CASSETTE BODY	1
17	ANTI-BITE	1
18	BUSHING	1
19	INTERNAL SEAL	1
20	CAP (R)	1

SPARE PARTS AND CONVERSION KITS

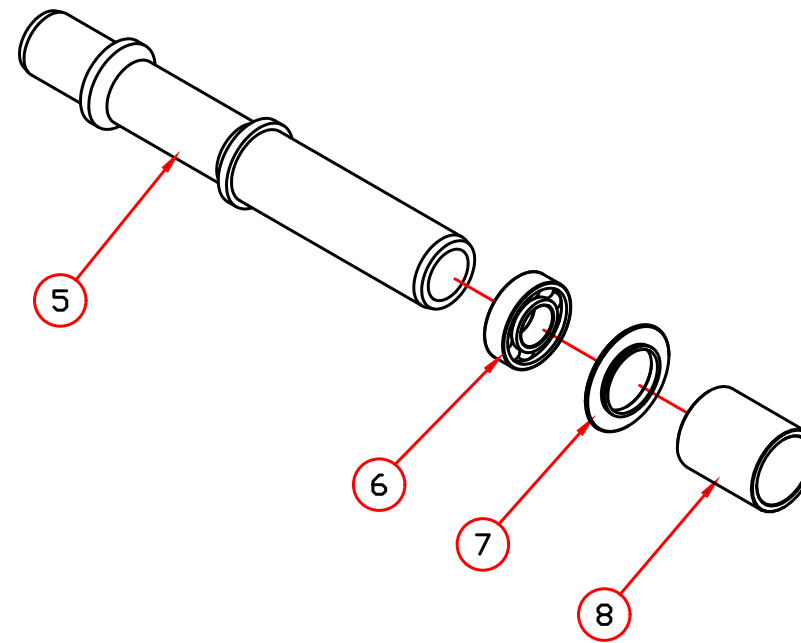
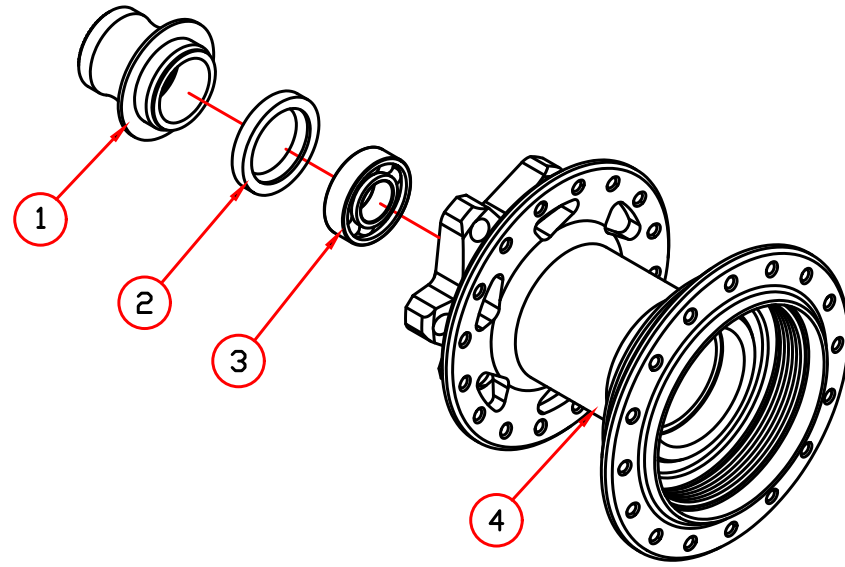
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,20	NUKHORV2R150CAPS	HORIZON V2 END CAPS 150MM
1,20	NUKHORV2R148CAPS	HORIZON V2 END CAPS 157MM
2	NUKNDHUBSEAL	HORIZON V2 NON DRIVE HUB SEAL
5	NUKHORV2150AXLE	HORIZON V2 150MM REAR AXLE
7,9,10	NUKHORV2PSGOLD	PAWLS & SPRINGS - LOUD
7,9,10	NUKHORV2PSSIL	PAWLS & SPRINGS - QUIET
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHG	HORIZON V2 SHIMANO HG ALLOY FREEHUB INC 1.85MM SPACER
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHGST	HORIZON V2 SHIMANO HG STEEL FREEHUB INC 1.85MM SPACER
N/A	NUKHORV2102TFXD	HORIZON V2 SRAM XD FREEHUB

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	64	25.17	43.73	2.6	9.28	68.9



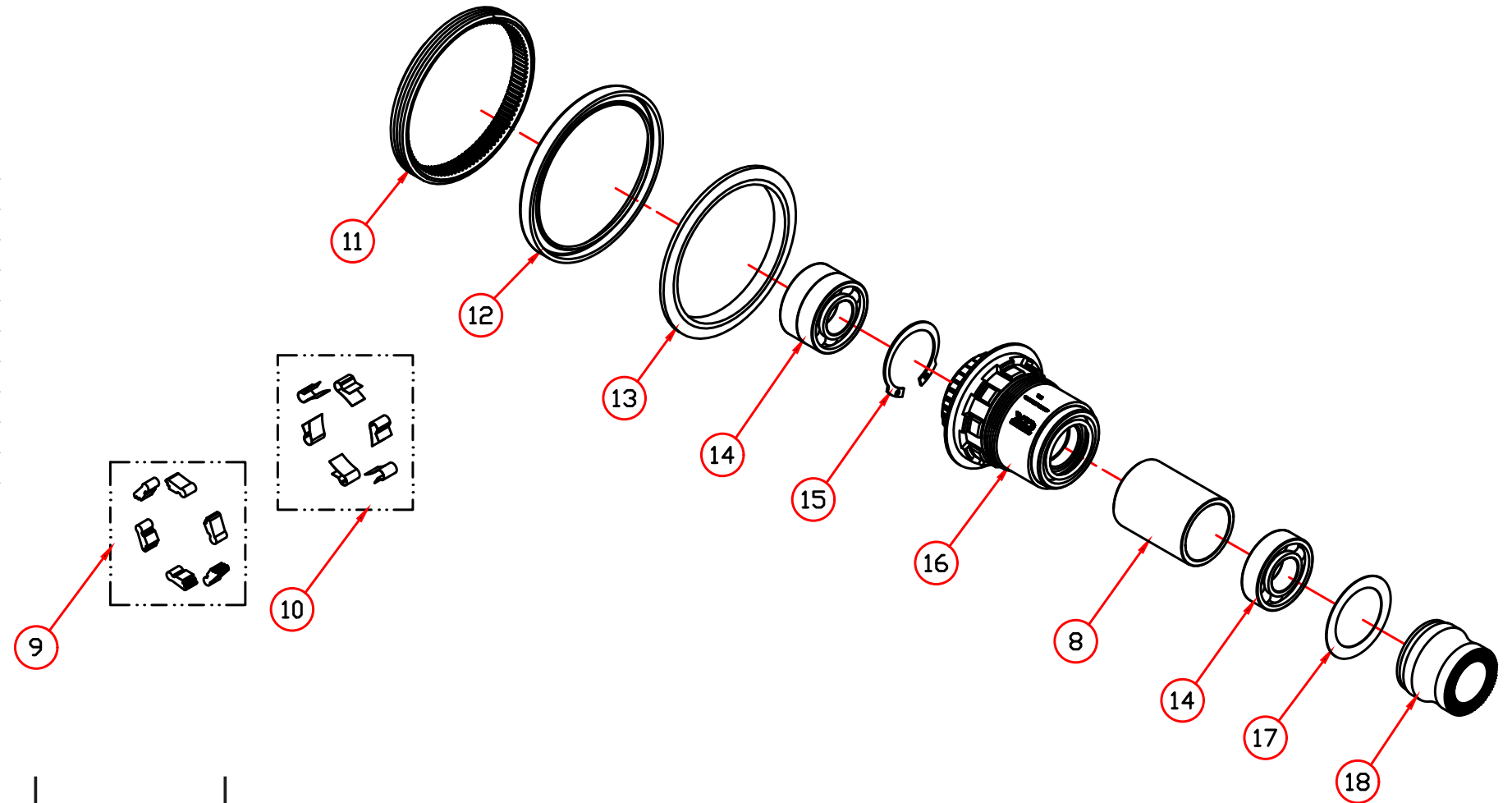
148MM SRAM XD HORIZON



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (17287)	1
7	WASHER	1
8	BUSHING	2
9	RATCHET RING	1
10	PAWL	6
11	SPRING	6
12	INTERNAL SEAL	1
13	WATERPROOF COVER	1
14	BEARING (6803)	3
15	CIRCLIP	1
16	CASSETTE BODY	1
17	WASHER	1
18	CAP (R)	1

SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,20	NUKHORV2R141BCAPS	HORIZON V2 END CAPS 141MM BOOST QR
1,20	NUKHORV2R148CAPS	HORIZON V2 END CAPS 148MM
2	NUKNDHUBSEAL	HORIZON V2 NON DRIVE HUB SEAL
5	NUKHORV2148AXLE	HORIZON V2 148MM REAR AXLE
7,9,10	NUKHORV2PSGOLD	PAWLS & SPRINGS - LOUD
7,9,10	NUKHORV2PSSIL	PAWLS & SPRINGS - QUIET
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TXD	HORIZON V2 SRAM XD FREEHUB
N/A	NUKHORV2102TFHG	HORIZON V2 SHIMANO HG ALLOY FREEHUB INC 1.85MM SPACER
N/A	NUKHORV2102TFHHGST	HORIZON V2 SHIMANO HG STEEL FREEHUB INC 1.85MM SPACER
N/A	NUKHORV2102TMS	HORIZON V2 SHIMANO MICROSPLINE ALLOY FREEHUB
N/A	NUKHORV2102TFHMSST	HORIZON V2 SHIMANO MICROSPLINE STEEL FREEHUB

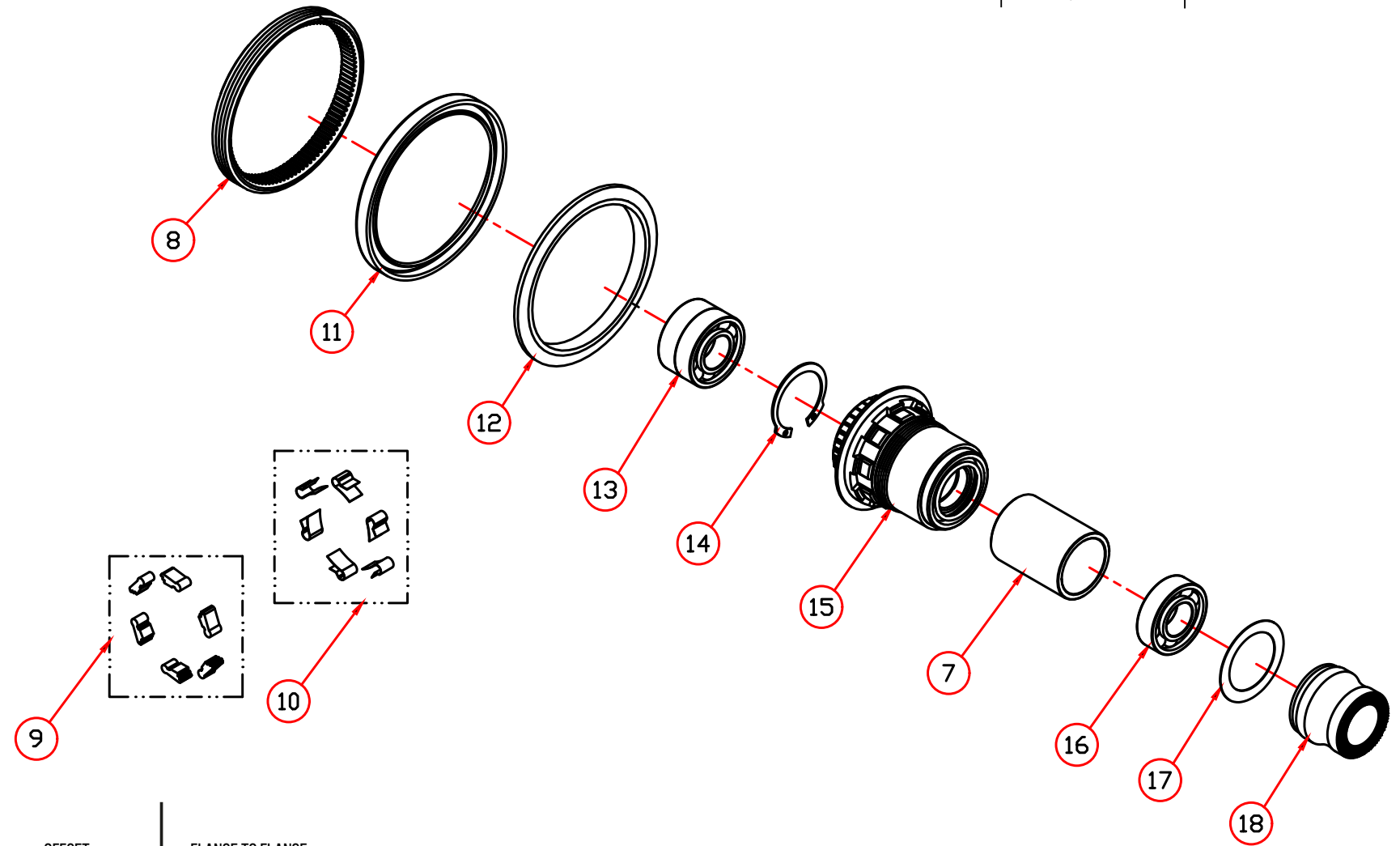
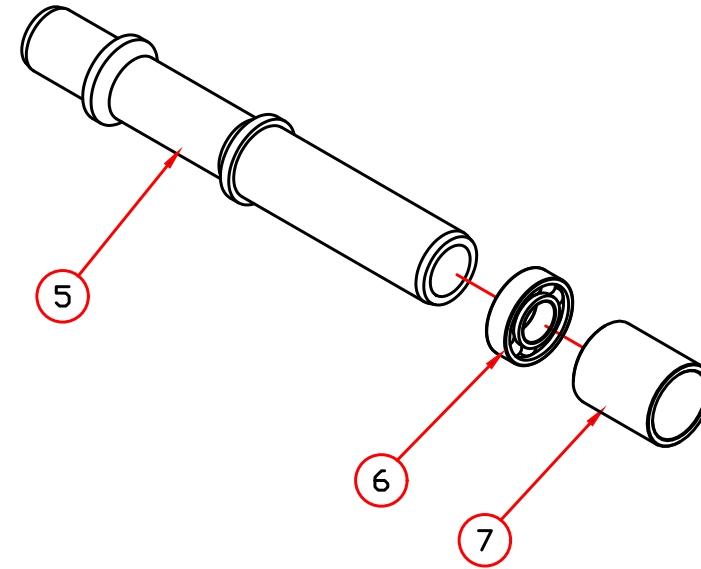
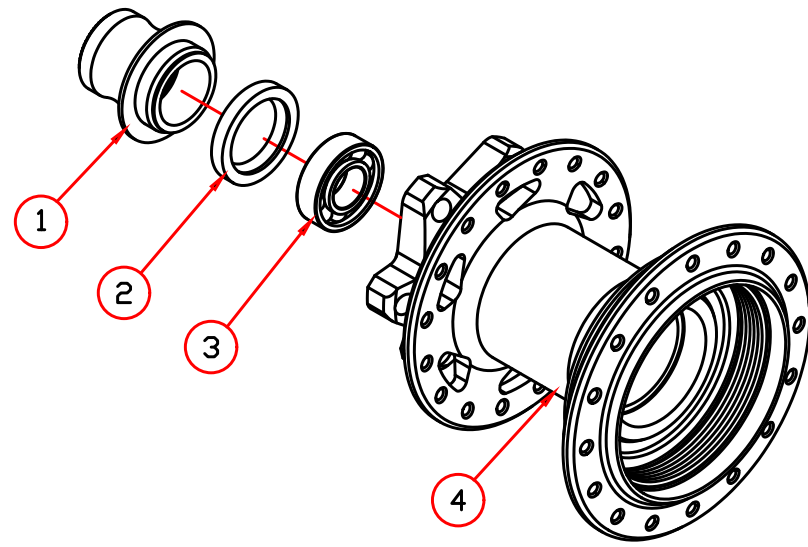


HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	64	22.43	37.77	2.6	7.67	60.2



150MM SRAM XD HORIZON



ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (17287)	1
7	BUSHING	2
8	RATCHER RING	1
9	PAWL	6
10	SPRING	6
11	INTERNAL SEAL	1
12	WATERPROOF COVER	1
13	BEARING (6803)	3
14	CASSETTE BODY	1
15	CIRCLIP	1
16	WASHER	1
17	INTERNAL SEAL	1
18	CAP (R)	1

SPARE PARTS AND CONVERSION KITS

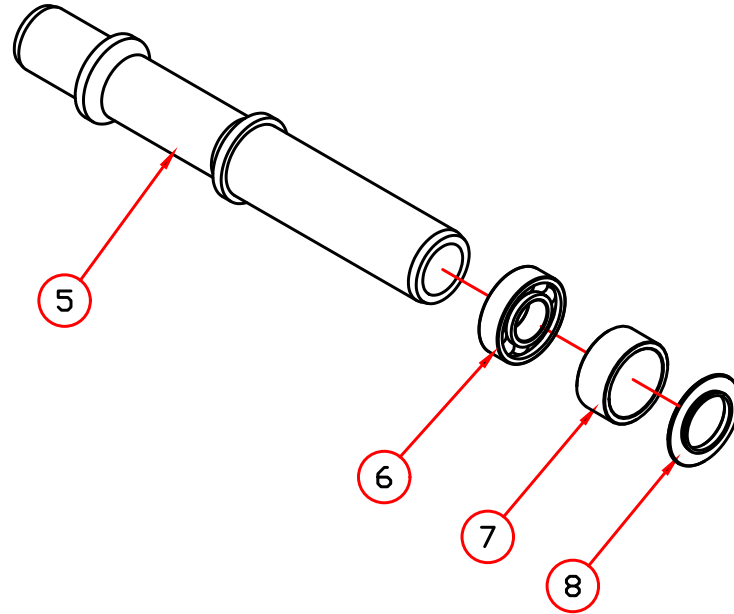
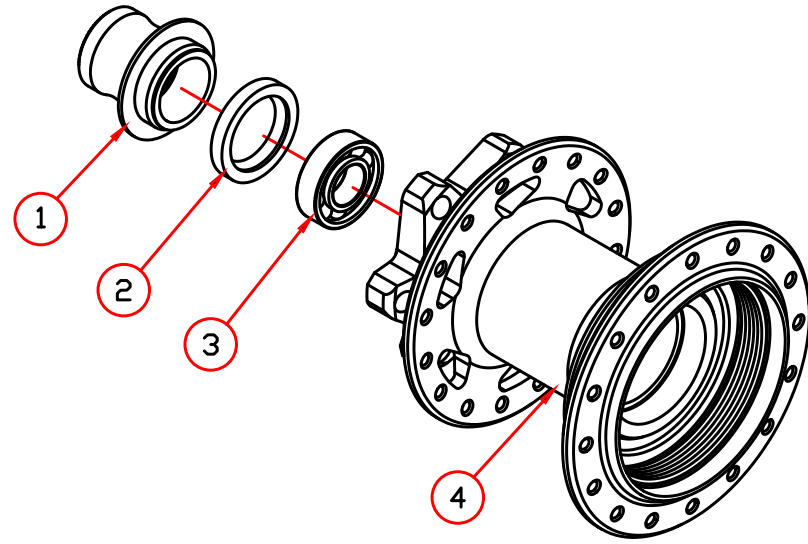
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,20	NUKHORV2R150CAPS	HORIZON V2 END CAPS 150MM
1,20	NUKHORV2R148CAPS	HORIZON V2 END CAPS 157MM
2	NUKNDHUBSEAL	HORIZON V2 NON DRIVE HUB SEAL
5	NUKHORV2150AXLE	HORIZON V2 150MM REAR AXLE
9,10	NUKHORV2PSGOLD	PAWLS & SPRINGS - LOUD
9,10	NUKHORV2PSSIL	PAWLS & SPRINGS - QUIET
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TXD	HORIZON V2 SRAM XD FREEHUB
N/A	NUKHORV2102TFHG	HORIZON V2 SHIMANO HG ALLOY FREEHUB INC 1.85MM SPACER
N/A	NUKHORV2102TFHHGST	HORIZON V2 SHIMANO HG STEEL FREEHUB INC 1.85MM SPACER

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	64	25.17	43.73	2.6	9.28	68.9



148MM SHIMANO MICROSPLINE HORIZON



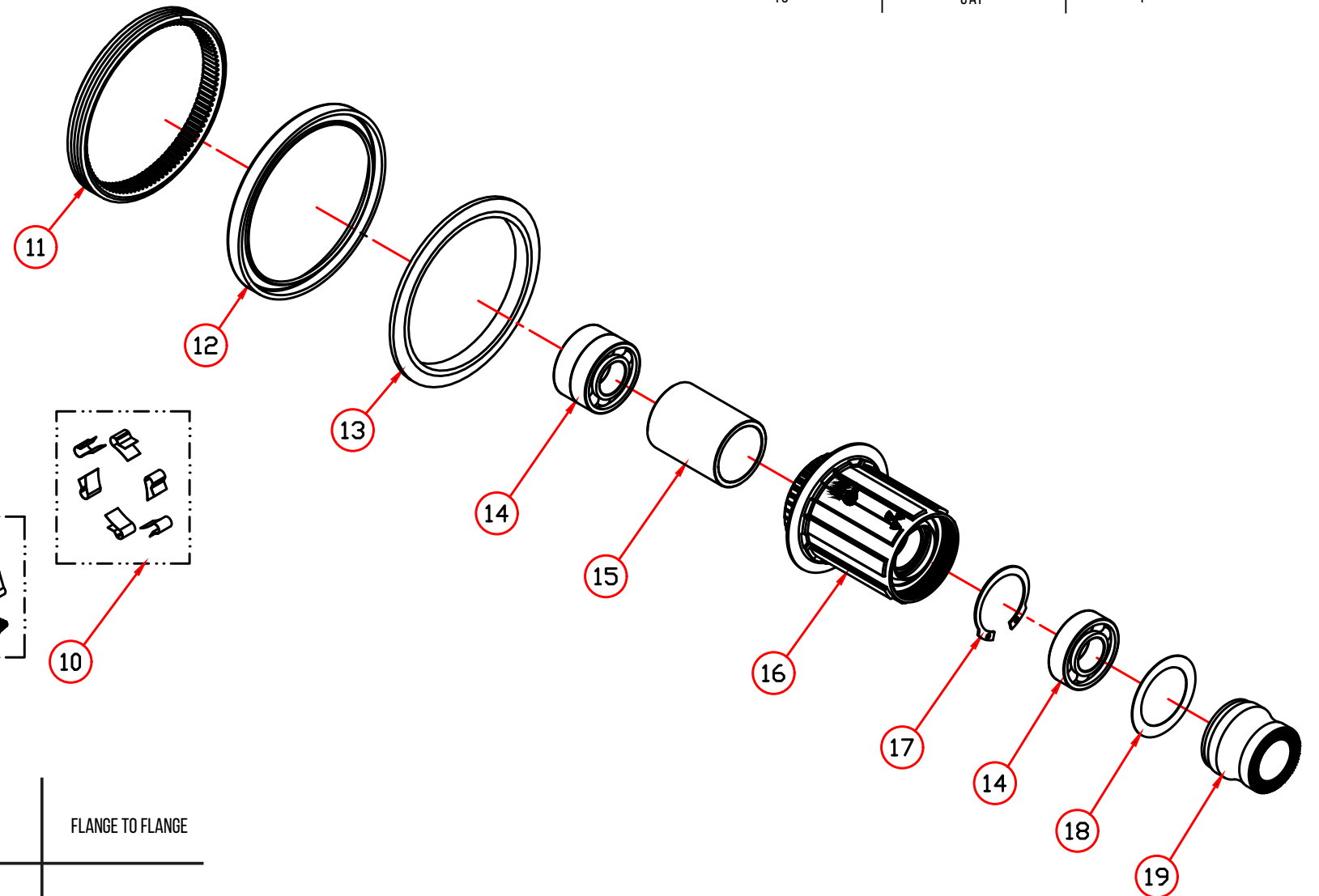
ITEM	DESCRIPTION	QTY
1	CAP (L)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (17287)	1
7	BUSHING	2
8	POM	1
9	PAWL	6
10	SPRING	6
11	RATCHET RING	1
12	INTERNAL SEAL	1
13	WATERPROOF COVER	1
14	BEARING (6803)	3
15	BUSHING	1
16	CASSETTE BODY	1
17	CIRCLIP	1
18	WASHER	1
19	CAP	1

SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
2	NUKNDHUBSEAL	HORIZON V2 NON DRIVE HUB SEAL
5	NUKHORV2148AXLE	HORIZON V2 148MM REAR AXLE
8,9,10	NUKHORV2PSGOLD	PAWLS & SPRINGS - LOUD
8,9,10	NUKHORV2PSSIL	PAWLS & SPRINGS - QUIET
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TMS	HORIZON V2 SHIMANO MICROSPLINE ALLOY FREEHUB
9,10,11,12,13,14,15,16,17,18,19	NUKHORV2102TFHMSST	HORIZON V2 SHIMANO MICROSPLINE STEEL FREEHUB
19	NUKHORV2148MSCAPS	148MM MICROSPLINE END CAP

*TO CONVERT A MICROSPLINE HUB TO SHIMANO HG OR SRAM XD YOU WILL NEED THE FREEHUB AND STANDARD 148MM END CAPS

NUKHORV2102TXD OR	HORIZON V2 SRAM XD FREEHUB
NUKHORV2102TFHG OR	HORIZON V2 SHIMANO HG ALLOY FREEHUB INC 1.85MM SPACER
NUKHORV2102TFHGST WITH NUKHORV2R148CAPS	HORIZON V2 SHIMANO HG STEEL FREEHUB INC 1.85MM SPACER HORIZON V2 END CAPS 148MM



HUB DIMENSIONS

LEFT FLANGE Ø(PCDD)	RIGHT FLANGE Ø(PCDD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	64	22.43	37.77	2.6	7.67	60.2



HORIZON V2 SPOKE LENGTHS AND ERD

NUKEPROOF PART NUMBER	WHEEL	WHEEL SIZE	HUB SPACING	NON DRIVE SIDE SPOKE LENGTH	DRIVESIDE SPOKE LENGTH
NUKHORV215NB275	HORIZON V2 FRONT WHEEL	27.5"	15X100MM NON BOOST	269	270
NUKHORV215B275	HORIZON V2 FRONT WHEEL	27.5"	15X110MM BOOST	269	270
NUKHORV220NB275	HORIZON V2 FRONT WHEEL	27.5"	20X110MM NON BOOST	269	270
NUKHORV220B275	HORIZON V2 FRONT WHEEL	27.5"	20X110MM BOOST	269	270
NUKHORV2275142HG	HORIZON V2 REAR WHEEL 102T	27.5"	142MM X 12MM HG	271	268
NUKHORV2275148HG	HORIZON V2 REAR WHEEL 102T	27.5"	148MM X 12MM HG	271	268
NUKHORV2275148XD	HORIZON V2 REAR WHEEL 102T	27.5"	148MM X 12MM XD	271	268
NUKHORV2275148MS	HORIZON V2 REAR WHEEL 102T	27.5"	148MM X 12MM MS	271	268
NUKHORV2275150HG	HORIZON V2 REAR WHEEL 102T	27.5"	150/157MM X 12MM HG	271	268
NUKHORV2275150XD	HORIZON V2 REAR WHEEL 102T	27.5"	150/157MM X 12MM XD	271	268
NUKHORV215NB29	HORIZON V2 FRONT WHEEL	29"	15X100MM NON BOOST	288	289
NUKHORV215B29	HORIZON V2 FRONT WHEEL	29"	15X110MM BOOST	288	289
NUKHORV220NB29	HORIZON V2 FRONT WHEEL	29"	20X110MM NON BOOST	288	289
NUKHORV220B29	HORIZON V2 FRONT WHEEL	29"	20X110MM BOOST	288	289
NUKHORV229142HG	HORIZON V2 REAR WHEEL 102T	29"	142MM X 12MM XD	289	286
NUKHORV229148HG	HORIZON V2 REAR WHEEL 102T	29"	148MM X 12MM HG	289	286
NUKHORV229148XD	HORIZON V2 REAR WHEEL 102T	29"	148MM X 12MM XD	289	286
NUKHORV229148MS	HORIZON V2 REAR WHEEL 102T	29"	148MM X 12MM MS	289	286
NUKHORV229150HG	HORIZON V2 REAR WHEEL 102T	29"	150/157MM X 12MM HG	289	286
NUKHORV229150XD	HORIZON V2 REAR WHEEL 102T	29"	150/157MM X 12MM XD	289	286

WHEEL

RIM

ERD

HORIZON V2 RIM

27.5" FRONT

554.5

HORIZON V2 RIM

27.5" REAR

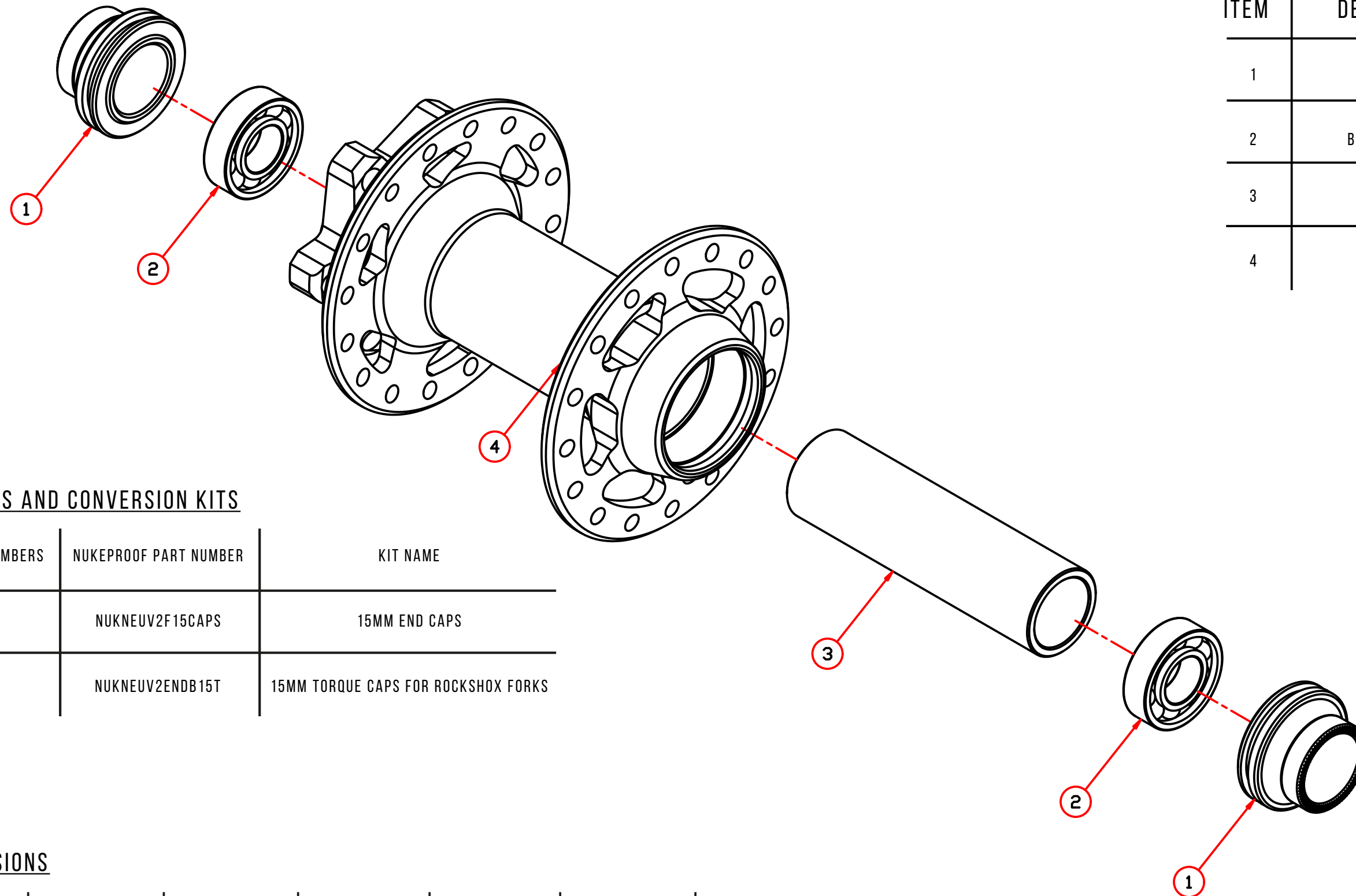
554.3

NEUTRON



NUKEPROOF

15MM BOOST NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP	2
2	BEARING (15267)	2
3	BUSHING	1
4	HUB SHELL	1

SPARE PARTS AND CONVERSION KITS

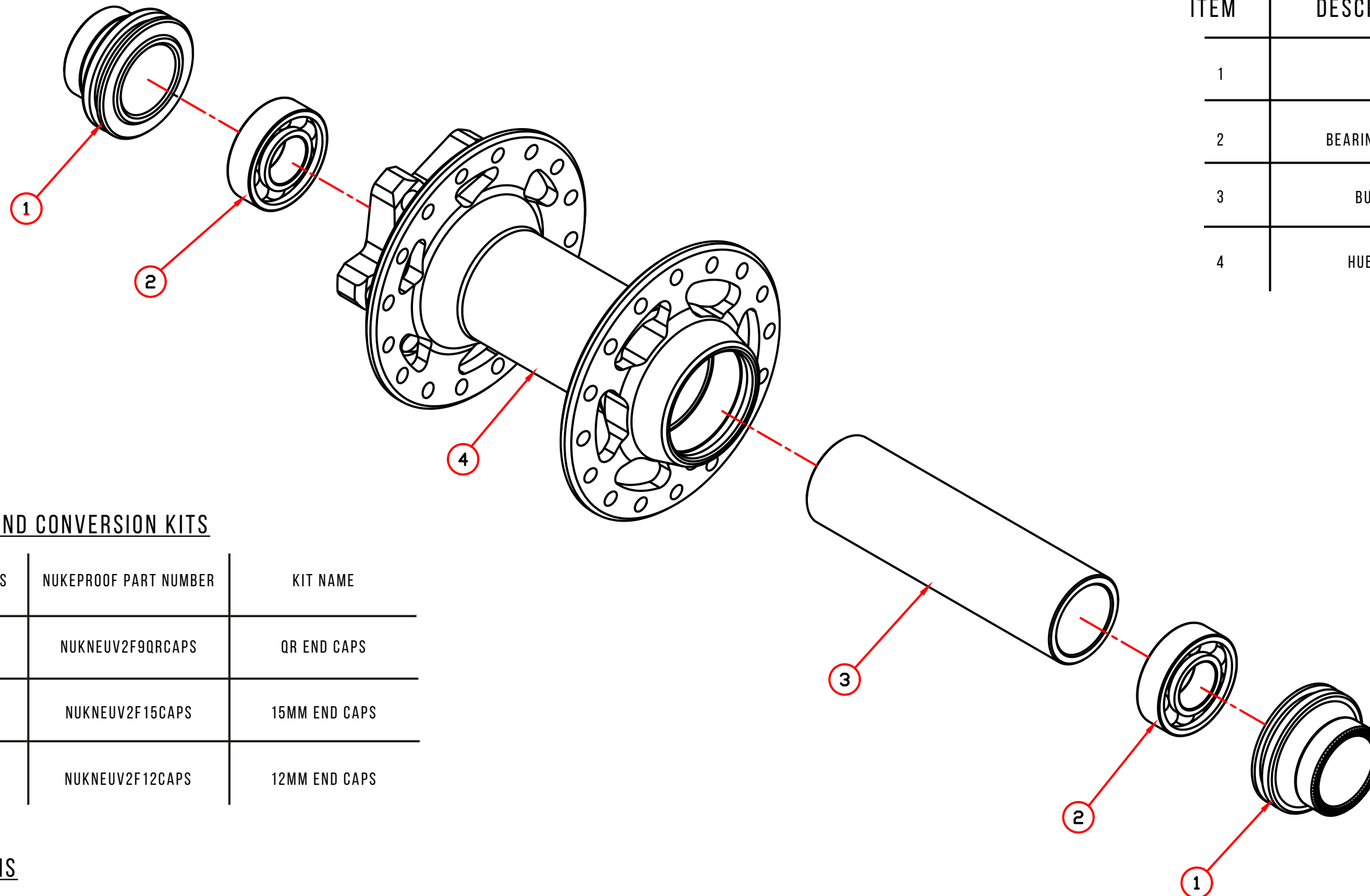
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKNEUV2F15CAPS	15MM END CAPS
1	NUKNEUV2ENDB15T	15MM TORQUE CAPS FOR ROCKSHOX FORKS

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	29.03	34.97	2.6	2.97	64

NUKEPROOF

15MM NON BOOST NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP	2
2	BEARING (15267)	2
3	BUSHING	1
4	HUB SHELL	1

SPARE PARTS AND CONVERSION KITS

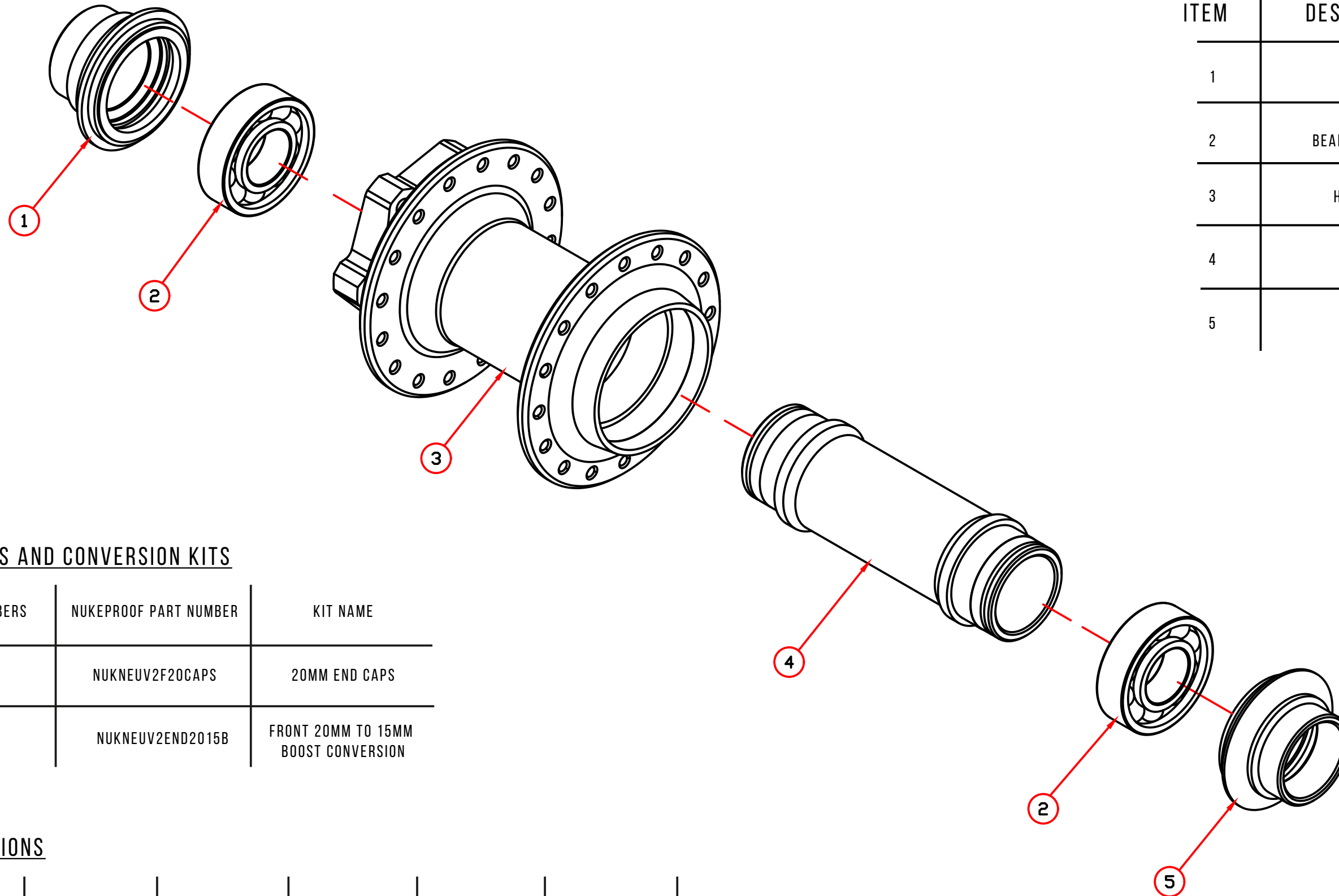
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKNEUV2F9QRCAPS	QR END CAPS
1	NUKNEUV2F15CAPS	15MM END CAPS
1	NUKNEUV2F12CAPS	12MM END CAPS

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	24.03	29.97	2.6	2.97	54

NUKEPROOF

20MM BOOST NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP	1
2	BEARING (61805)	2
3	HUB SHELL	1
4	AXLE	1
5	CAP (9)	1

SPARE PARTS AND CONVERSION KITS

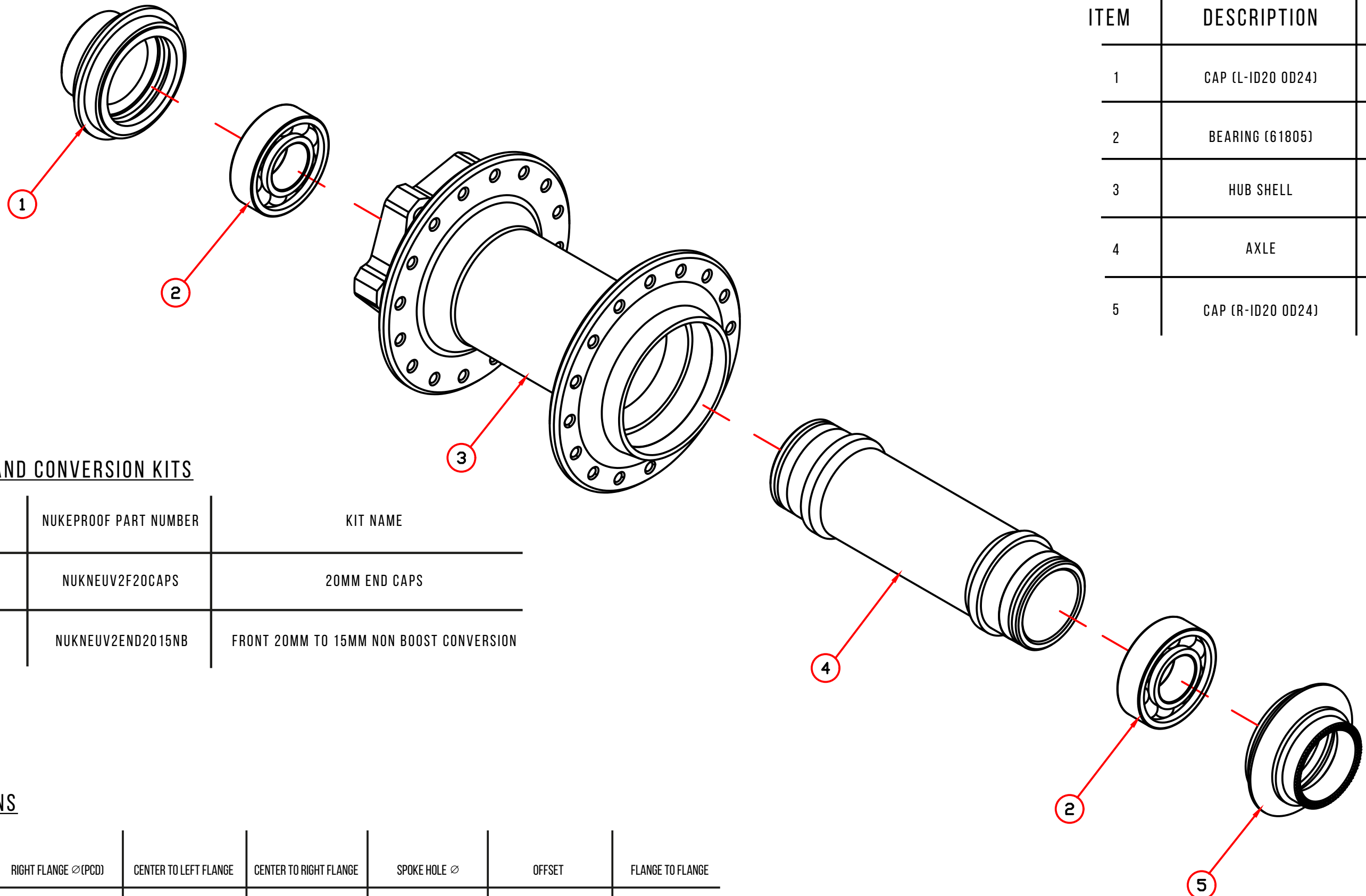
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKNEUV2F20CAPS	20MM END CAPS
1	NUKNEUV2END2015B	FRONT 20MM TO 15MM BOOST CONVERSION

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	24.25	32.75	2.6	4.25	57

NUKEPROOF

20MM NON BOOST NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (L-ID20 OD24)	1
2	BEARING (61805)	2
3	HUB SHELL	1
4	AXLE	1
5	CAP (R-ID20 OD24)	1

SPARE PARTS AND CONVERSION KITS

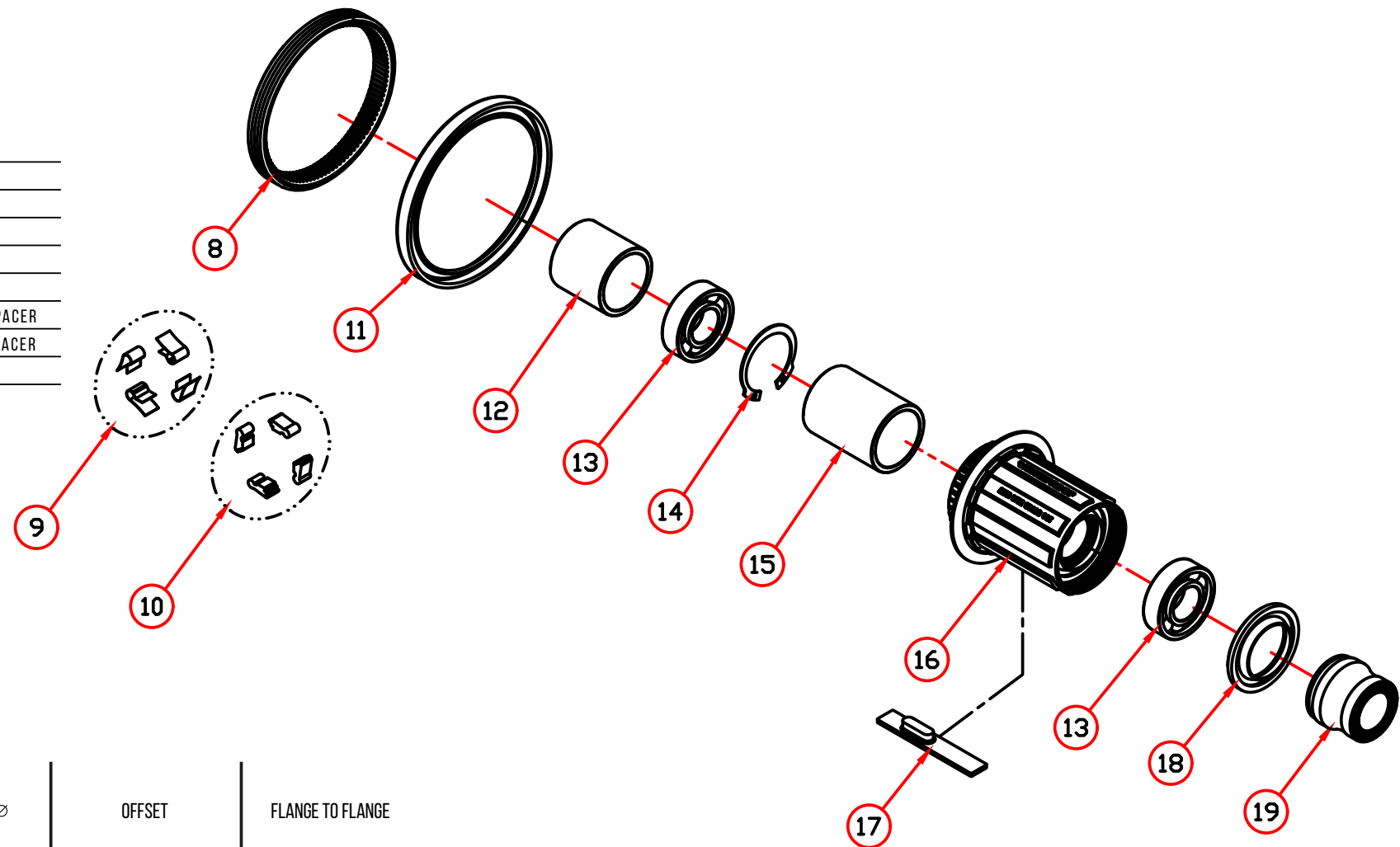
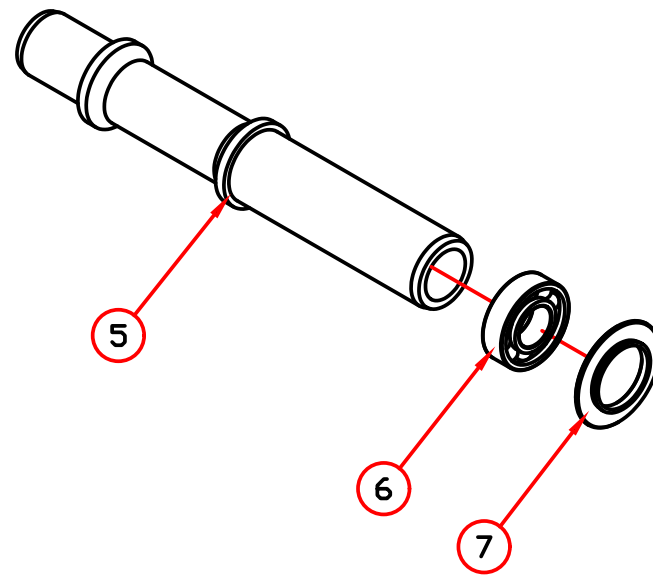
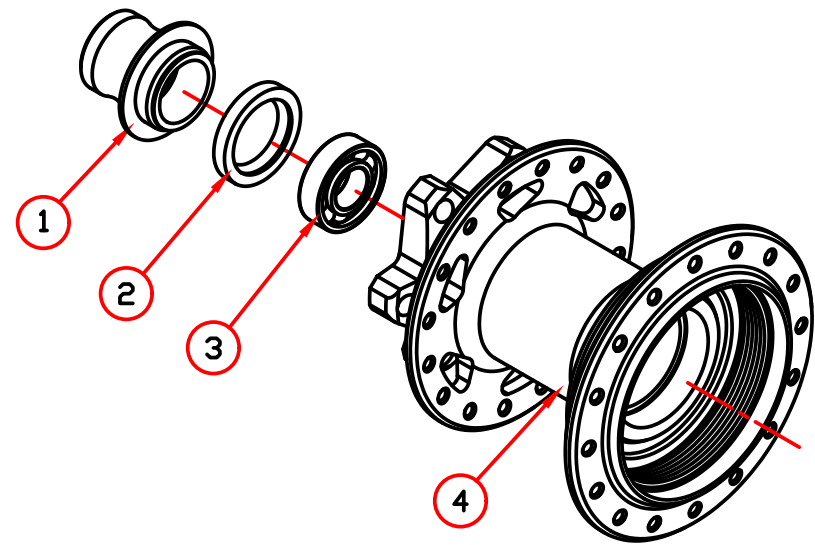
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1	NUKNEUV2F20CAPS	20MM END CAPS
1	NUKNEUV2END2015NB	FRONT 20MM TO 15MM NON BOOST CONVERSION

HUB DIMENSIONS

LEFT FLANGE \varnothing (PCD)	RIGHT FLANGE \varnothing (PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE \varnothing	OFFSET	FLANGE TO FLANGE
58	58	29.05	35.95	2.6	3.45	65

NUKEPROOF

142MM SHIMANO HG NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (ID12-L-142w)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (6903)	1
7	WASHER	1
8	RATCHET RING	1
9	SPRING	1
10	PAWL	4
11	INTERNAL SEAL	1
12	BUSHING	1
13	BEARING (17287)	2
14	CIRCLIP	1
15	BUSHING	1
16	CASSETTE BODY	1
17	ANTI-BITE	1
18	INTERNAL SEAL	1
19	CAP (ID12-R-142w)	1

SPARE PARTS AND CONVERSION KITS

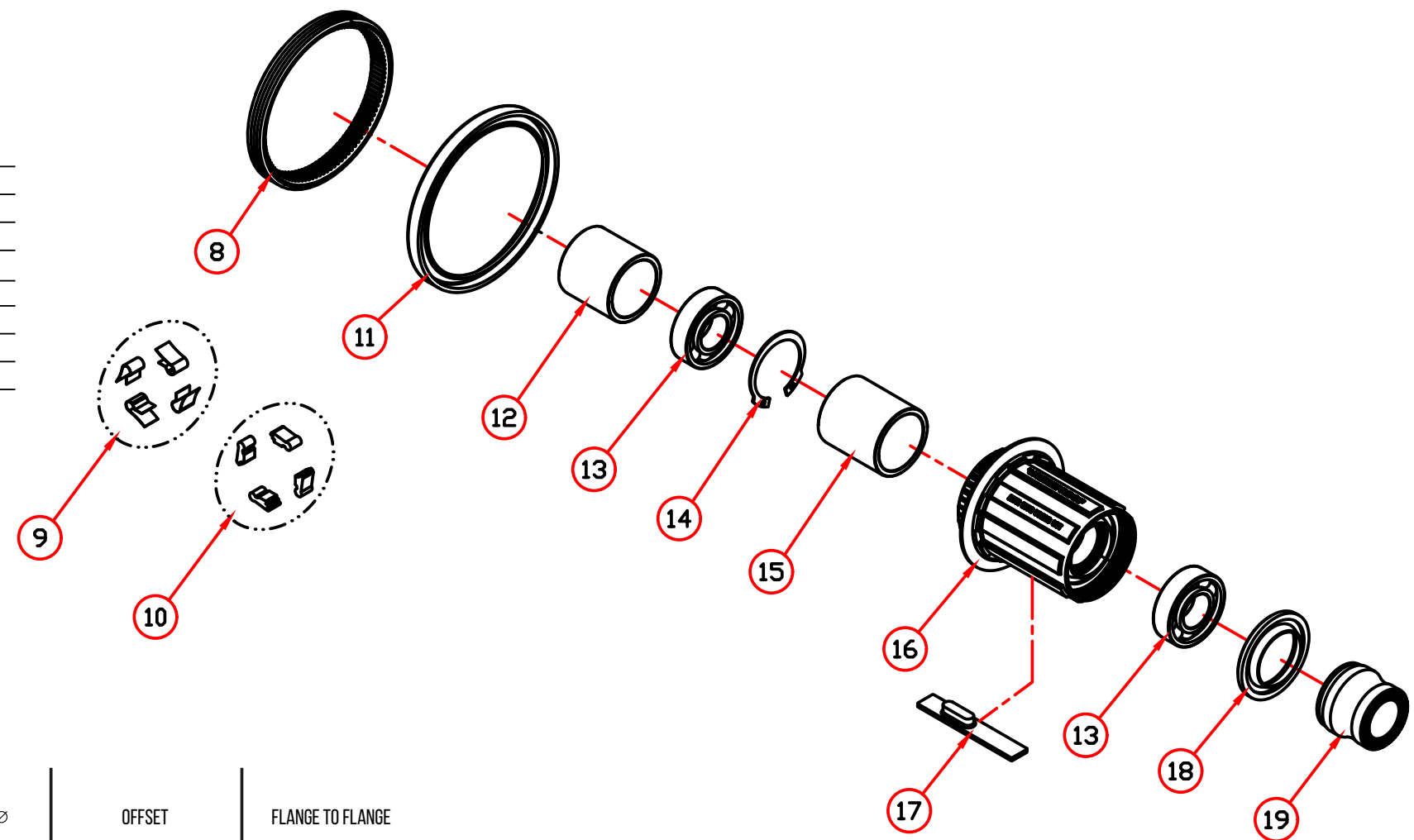
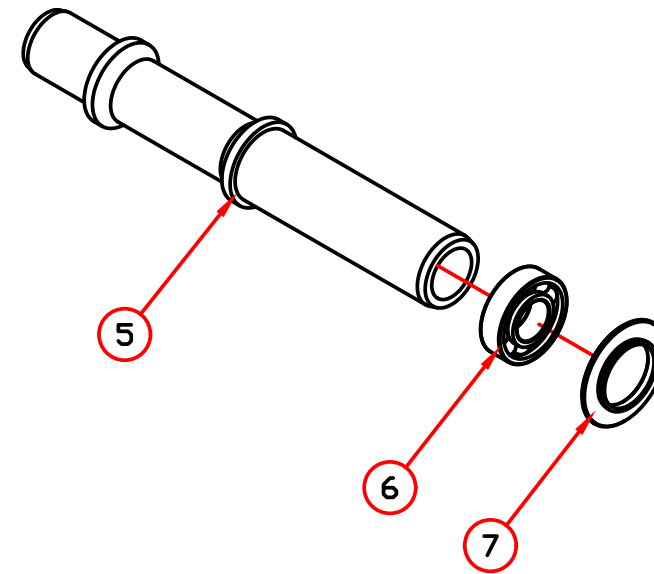
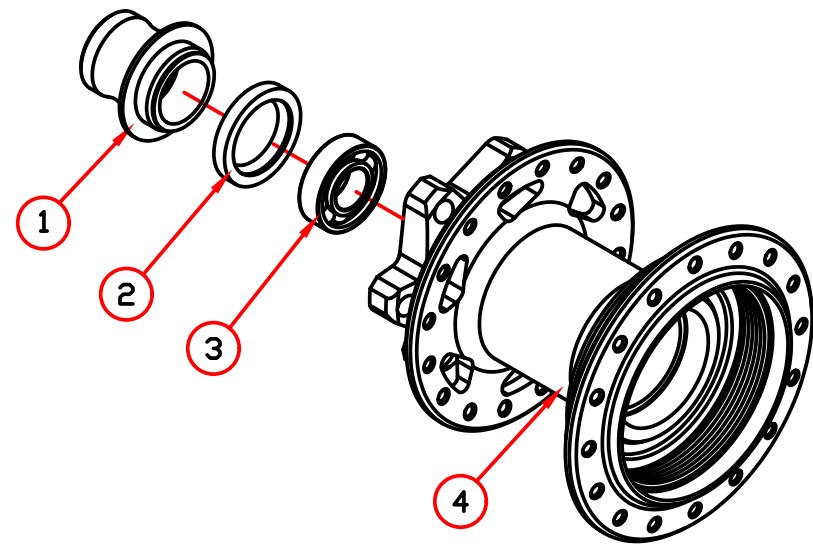
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,19	NUKNEUV2R135CAPS	NEUTRON V2 END CAPS 135MM QR
1,19	NUKNEUV2R148CAPS	NEUTRON V2 END CAPS 142MM
2	NUKNDHUBSEAL	NEUTRON V2 NON DRIVE HUB SEAL
5	NUKNEUV2142AXLE	NEUTRON V2 142MM REAR AXLE
7,9,10	NUKNEUV2PSGOLD	NEUTRON V2 PAWLS & SPRINGS
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHHG	NEUTRON V2 ALLOY FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHHGST	NEUTRON V2 STEEL FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
N/A	NUKNEUV236TFHXD	NEUTRON V2 FREEHUB BODY 36T XD

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	18.45	36.05	2.6	8.8	54.5

NUKEPROOF

148MM SHIMANO HG NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (ID12-L-142w)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (6903)	1
7	WASHER	1
8	RATCHET RING	1
9	SPRING	4
10	PAWL	4
11	INTERNAL SEAL	1
12	BUSHING	1
13	BEARING (17287)	2
14	CIRCLIP	1
15	BUSHING	1
16	CASSETTE BODY	1
17	ANTI-BITE	1
18	INTERNAL SEAL	1
19	CAP (ID12-R-142w)	1

SPARE PARTS AND CONVERSION KITS

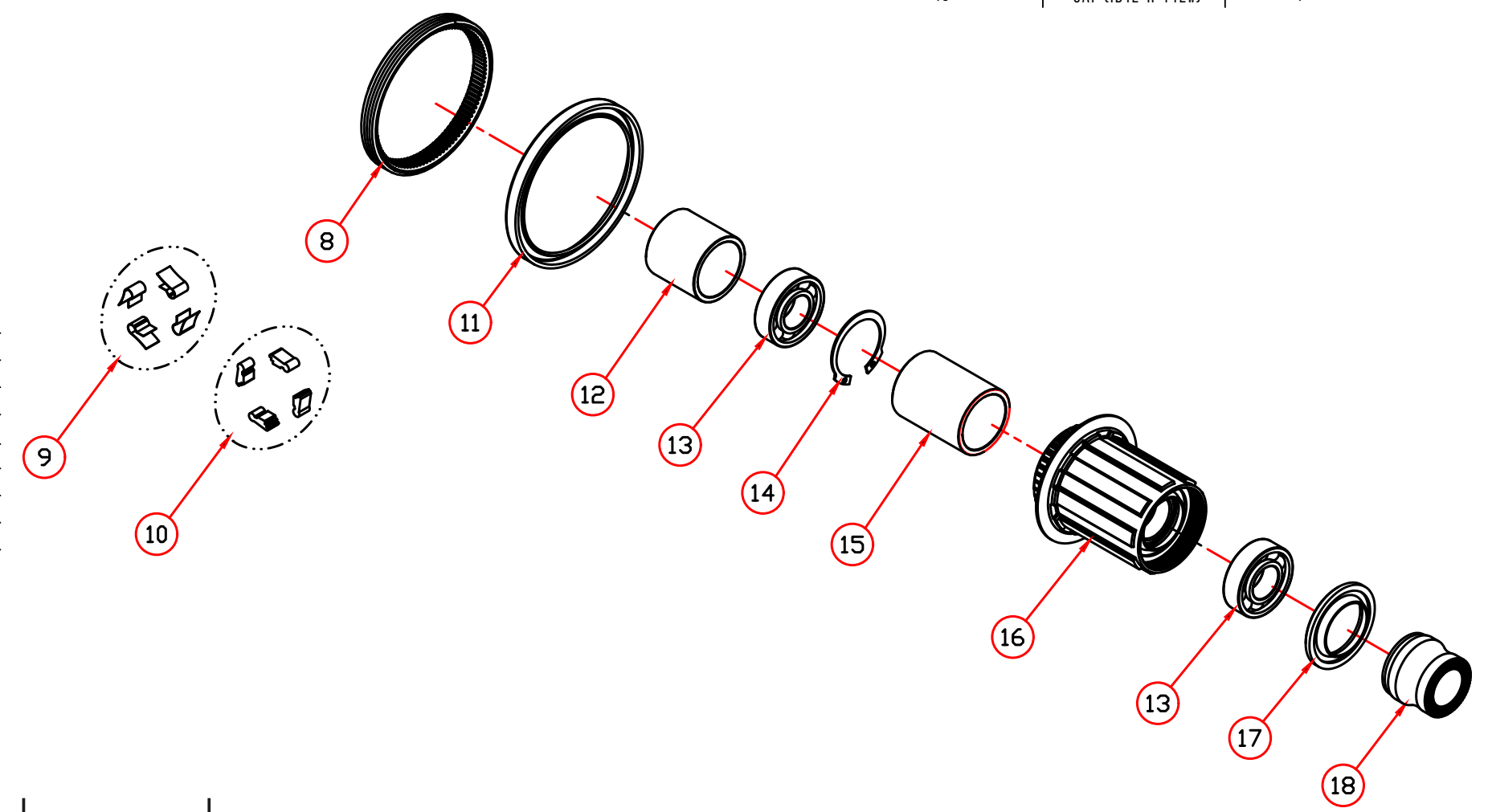
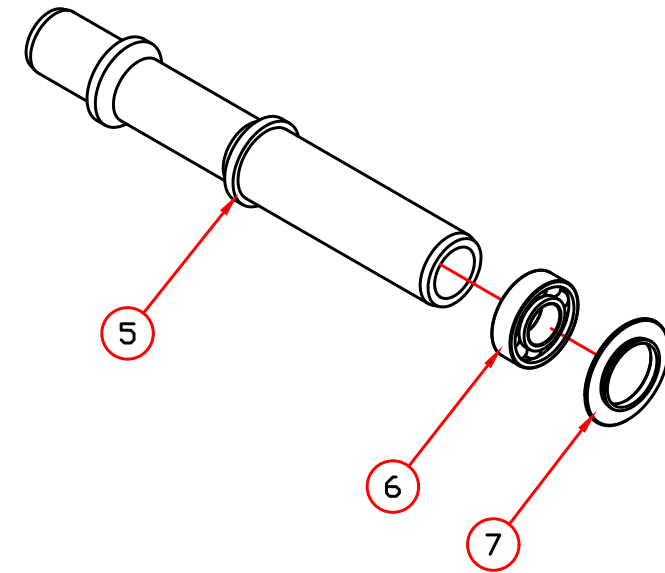
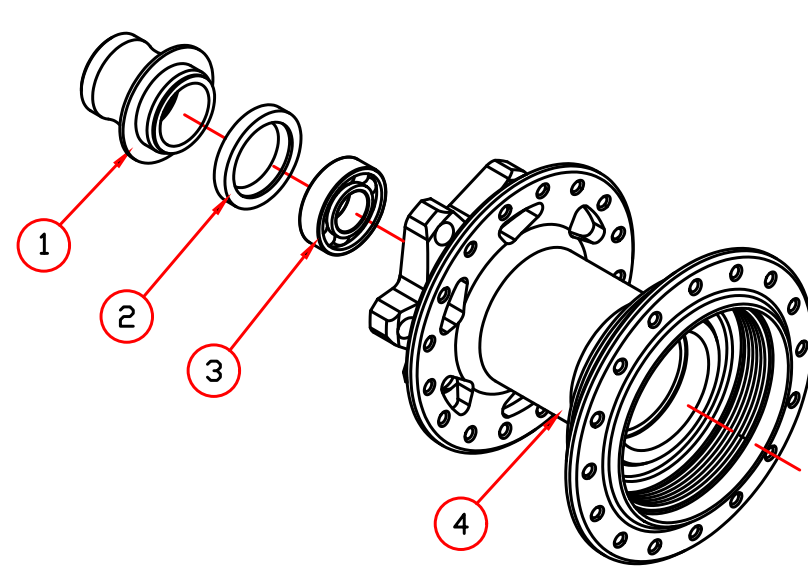
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,19	NUKNEUV2R141CAPS	NEUTRON V2 END CAPS 141MM QR BOOST
1,19	NUKNEUV2R148CAPS	NEUTRON V2 END CAPS 148MM
2	NUKNDHUBSEAL	NEUTRON V2 NON DRIVE HUB SEAL
5	NUKNEUV2148AXLE	NEUTRON V2 148MM REAR AXLE
7,9,10	NUKNEUV2PSGOLD	NEUTRON V2 PAWLS & SPRINGS
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHHG	NEUTRON V2 ALLOY FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHHGST	NEUTRON V2 STEEL FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
N/A	NUKNEUV236TFHXD	NEUTRON V2 FREEHUB BODY 36T XD
N/A	NUKNEUV236TMSCONV	NEUTRON V2 MICROSPLINE CONVERSION KIT

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	21.45	39.05	2.6	8.8	60.5



150MM SHIMANO HG NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (ID12-L-142w)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (6903)	1
7	WASHER	1
8	RATCHET RING	1
9	SPRING	4
10	PAWL	4
11	INTERNAL SEAL	1
12	BUSHING	1
13	BEARING (17287)	2
14	CIRCLIP	1
15	BUSHING	1
16	CASSETTE BODY	1
17	INTERNAL SEAL	1
18	CAP (ID12-R-142w)	1

SPARE PARTS AND CONVERSION KITS

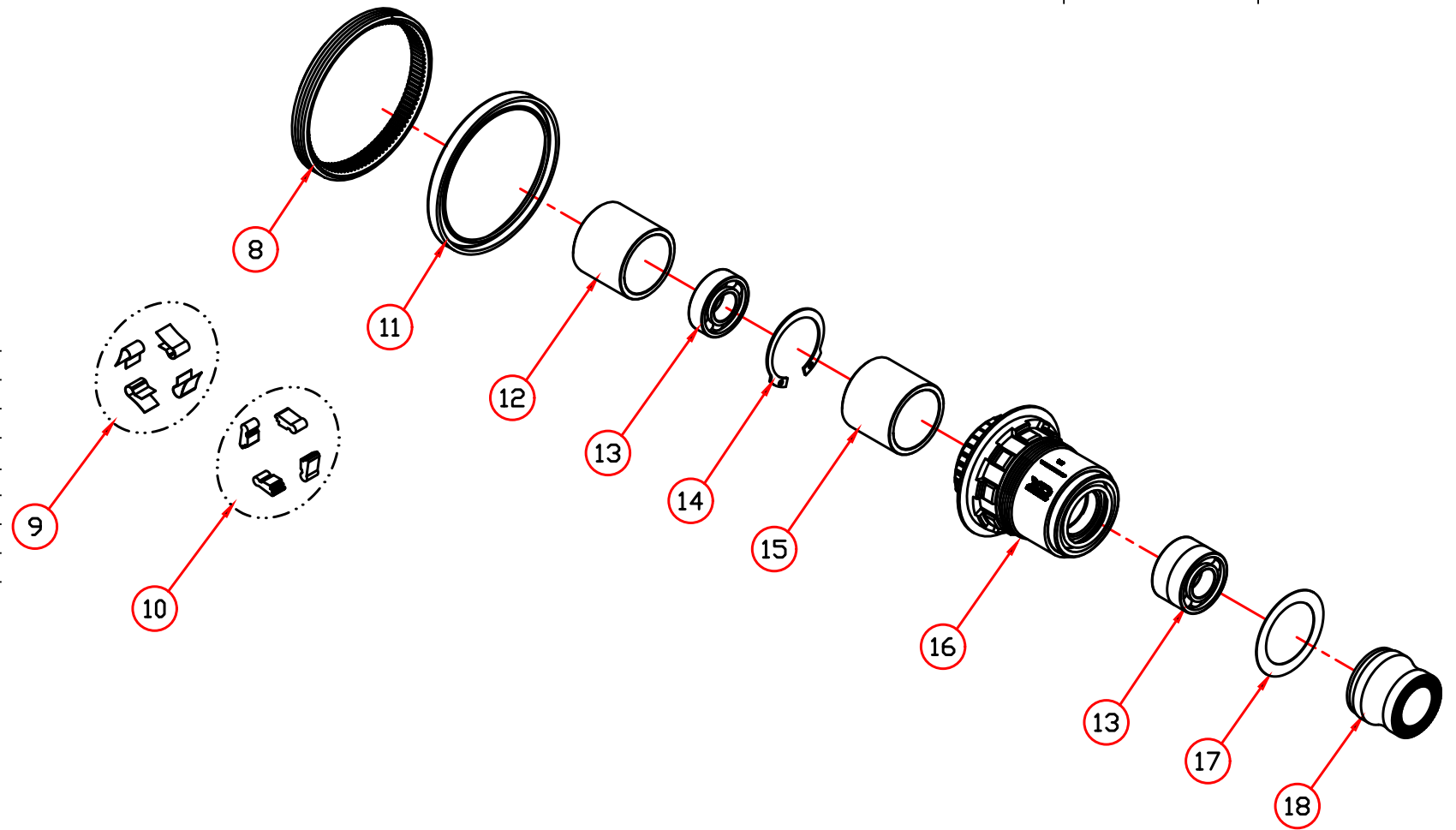
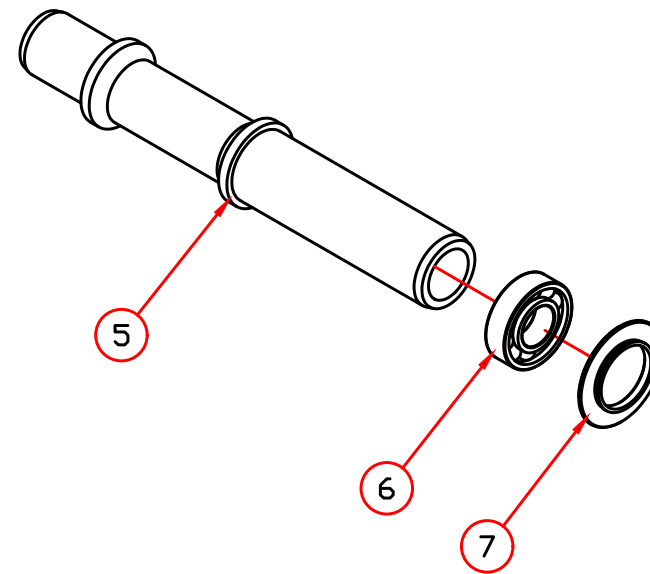
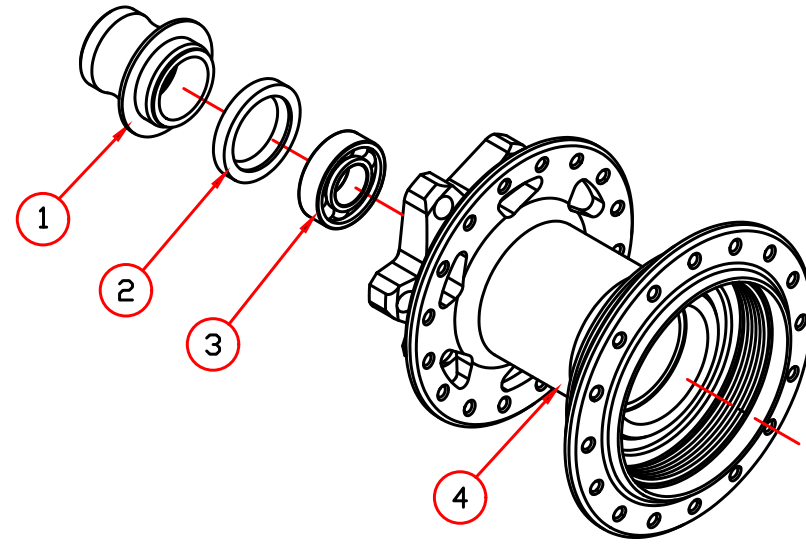
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,18	NUKNEUV2R150CAPS	NEUTRON V2 END CAPS 150MM
1,18	NUKNEUV2R148CAPS	NEUTRON V2 END CAPS 157MM
2	NUKNDHUBSEAL	NEUTRON V2 NON DRIVE HUB SEAL
5	NUKNEUV2150AXLE	NEUTRON V2 150MM REAR AXLE
7,9,10	NUKNEUV2PSGOLD	NEUTRON V2 PAWLS & SPRINGS
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHHG	NEUTRON V2 ALLOY FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHHGST	NEUTRON V2 STEEL FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
N/A	NUKNEUV236TFHXD	NEUTRON V2 FREEHUB BODY 36T XD

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	25.95	43.55	2.6	8.8	69.5



148MM SRAM XD NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (ID12-L-142w)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (6903)	1
7	WASHER	1
8	RATCHET RING	1
9	SPRING	4
10	PAWL	4
11	INTERNAL SEAL	1
12	BUSHING	1
13	BEARING (6803)	3
14	CIRCLIP	1
15	BUSHING	1
16	CASSETTE BODY	1
17	WASHER	1
18	CAP (ID12-R-142w)	1

SPARE PARTS AND CONVERSION KITS

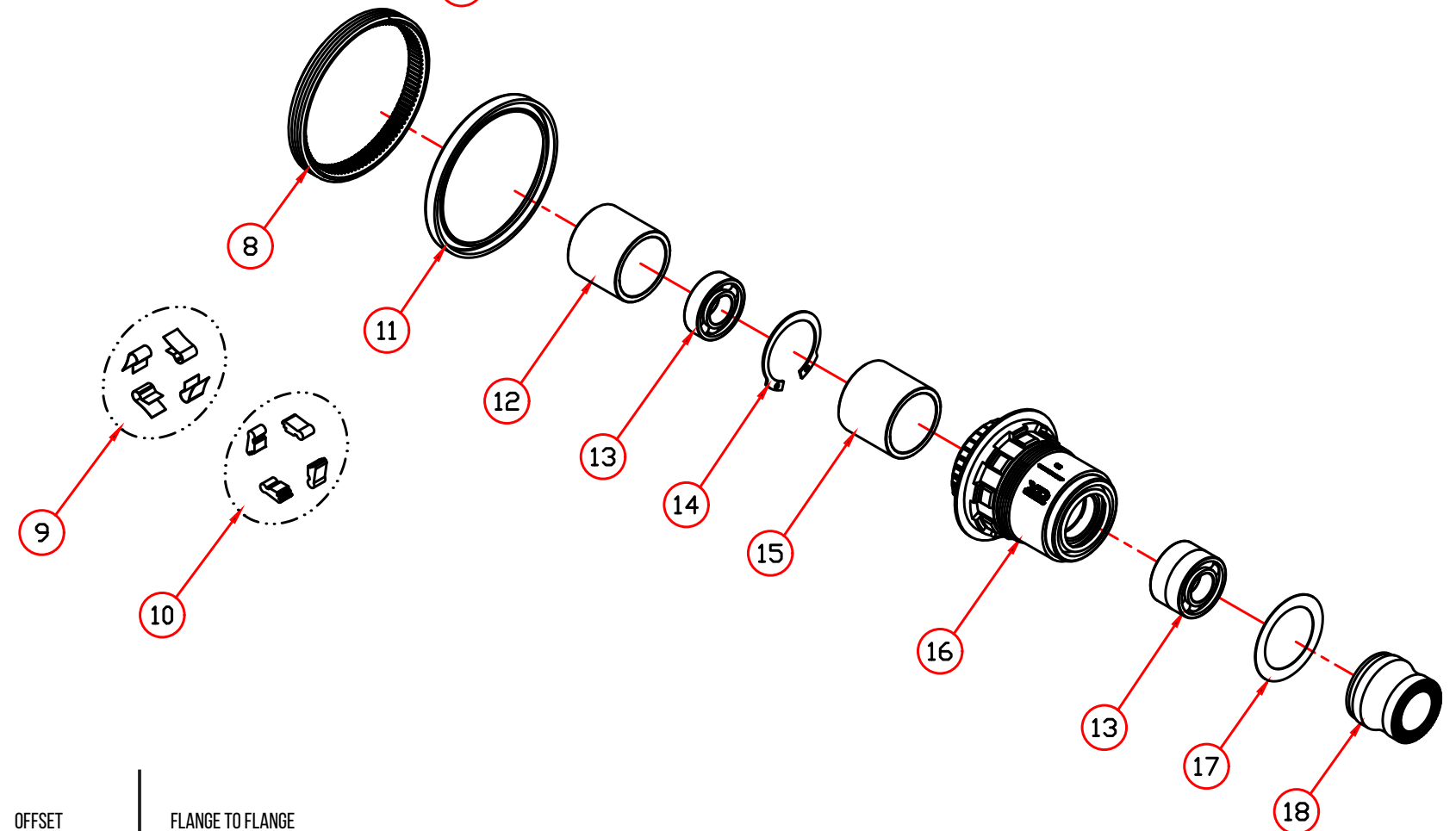
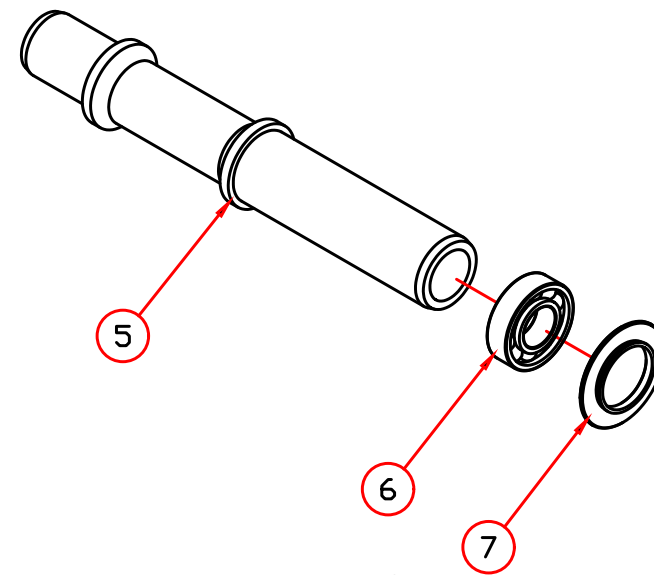
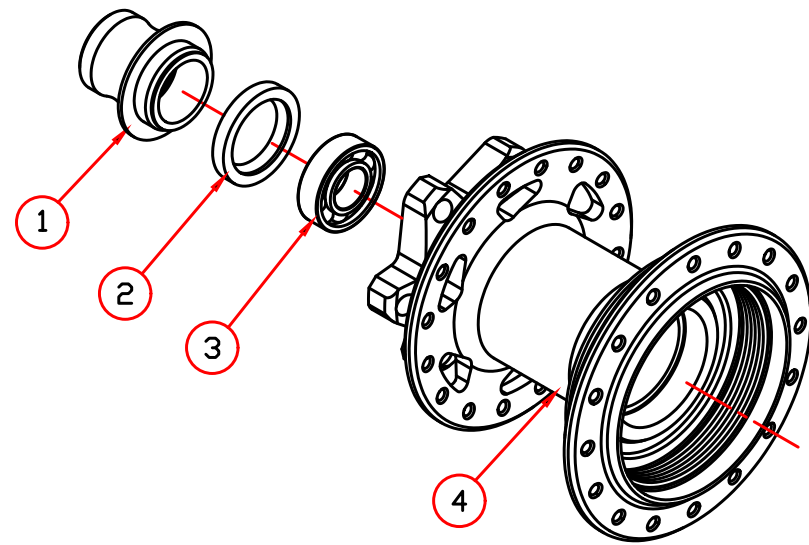
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,18	NUKNEUV2R141CAPS	NEUTRON V2 END CAPS 141MM QR BOOST
1,18	NUKNEUV2R148CAPS	NEUTRON V2 END CAPS 148MM
2	NUKNDHUBSEAL	NEUTRON V2 NON DRIVE HUB SEAL
5	NUKNEUV2148HGXDAXLE	NEUTRON V2 HG / XD 148MM AXLE
7,9,10	NUKNEUV2PSGOLD	NEUTRON V2 PAWLS & SPRINGS
9,10,11,12,13,14,15,16,17	NUKNEUV236TFHXD	NEUTRON V2 FREEHUB BODY 36T XD
N/A	NUKNEUV236TFHHG	NEUTRON V2 ALLOY FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
N/A	NUKNEUV236TFHHGST	NEUTRON V2 STEEL FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
N/A	NUKNEUV236TMSCONV	NEUTRON V2 MICROSPLINE CONVERSION KIT

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	21.45	39.05	2.6	8.8	60.5



150MM SRAM XD NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (ID12-L-142w)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (6903)	1
7	WASHER	1
8	RATCHET RING	1
9	SPRING	4
10	PAWL	4
11	INTERNAL SEAL	1
12	BUSHING	1
13	BEARING (6803)	3
14	CIRCLIP	1
15	BUSHING	1
16	CASSETTE BODY	1
17	WASHER	1
18	CAP (ID12-R-142w)	1

SPARE PARTS AND CONVERSION KITS

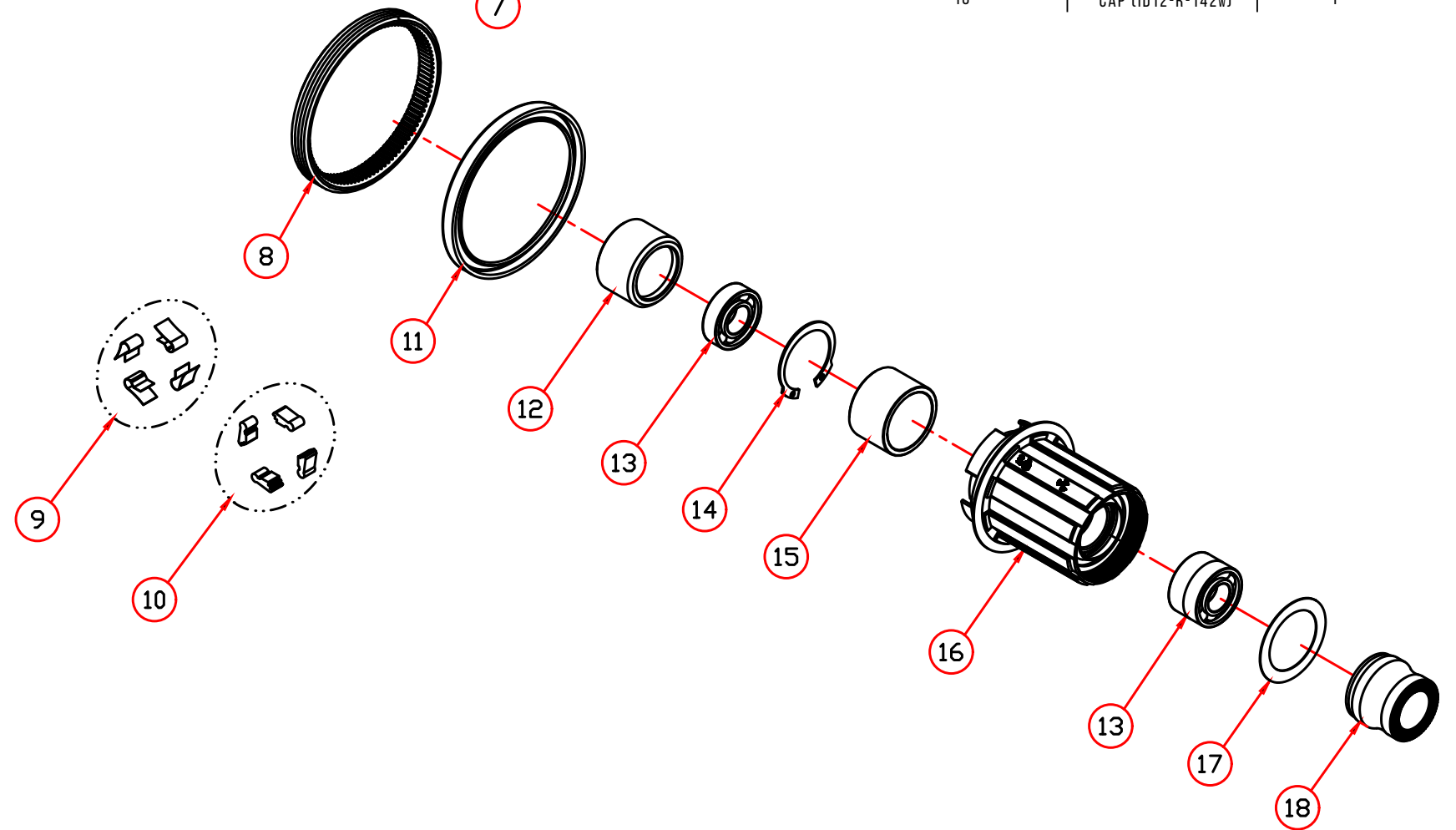
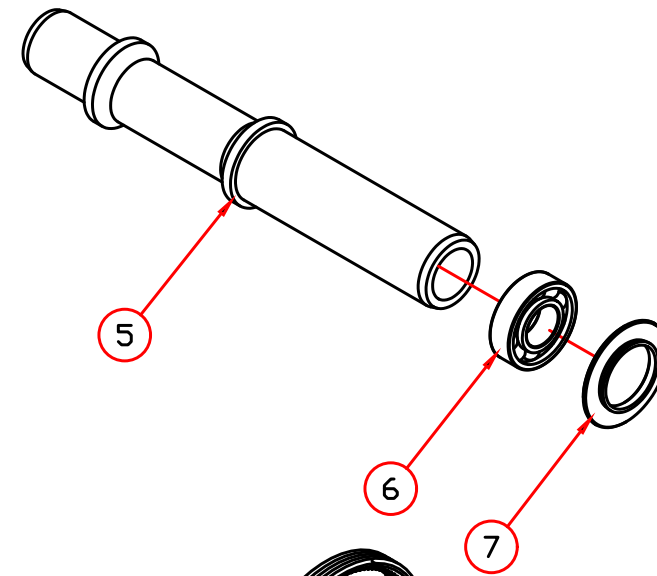
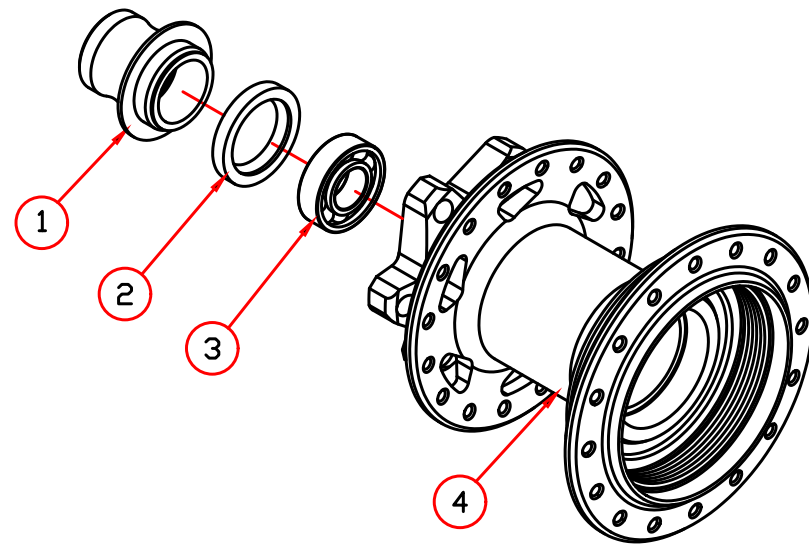
DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
1,18	NUKNEUV2R150CAPS	NEUTRON V2 END CAPS 150MM
1,18	NUKNEUV2R148CAPS	NEUTRON V2 END CAPS 157MM
2	NUKNDHUBSEAL	NEUTRON V2 NON DRIVE HUB SEAL
5	NUKNEUV2150AXLE	NEUTRON V2 150MM REAR AXLE
7,9,10	NUKNEUV2PSGOLD	NEUTRON V2 PAWLS & SPRINGS
9,10,11,12,13,14,15,16,17,18	NUKNEUV236TFHXD	NEUTRON V2 FREEHUB BODY 36T XD
N/A	NUKNEUV236TFHHG	NEUTRON V2 ALLOY FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
N/A	NUKNEUV236TFHHGST	NEUTRON V2 STEEL FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	22.95	43.55	2.6	8.8	69.5



148MM SHIMANO MICROSPLINE NEUTRON



ITEM	DESCRIPTION	QTY
1	CAP (ID12-L-142w)	1
2	INTERNAL SEAL	1
3	BEARING (6902)	1
4	HUB SHELL	1
5	AXLE	1
6	BEARING (6903)	1
7	WASHER	1
8	RATCHET RING	1
9	SPRING	4
10	PAWL	4
11	INTERNAL SEAL	1
12	BUSHING	1
13	BEARING (6803)	3
14	CIRCLIP	1
15	BUSHING	1
16	CASSETTE BODY	1
17	INTERNAL SEAL	1
18	CAP (ID12-R-142w)	1

SPARE PARTS AND CONVERSION KITS

DIAGRAM PART NUMBERS	NUKEPROOF PART NUMBER	KIT NAME
2	NUKNDHUBSEAL	NEUTRON V2 NON DRIVE HUB SEAL
5	NUKNEUV2148MSAXLE	NEUTRON V2 MICROSPLINE 148MM AXLE
7,9,10	NUKNEUV2PSGOLD	NEUTRON V2 PAWLS & SPRINGS
9,10,11,12,13,14,15,16,17	NUKNEUV236TFHMS	NEUTRON V2 ALLOY FREEHUB BODY 36T MICROSPLINE
9,10,11,12,13,14,15,16,17	NUKNEUV236TFHMSST	NEUTRON V2 STEEL FREEHUB BODY 36T MICROSPLINE

TO CONVERT A MICROSPLINE HUB TO SHIMANO HG OR SRAM XD YOU WILL NEED FREEHUB, AXLE AND END CAPS

NUKNEUV236TFHXD	NEUTRON V2 FREEHUB BODY 36T XD
OR	
NUKNEUV236TFHHG	NEUTRON V2 ALLOY FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
OR	
NUKNEUV236TFHHGST	NEUTRON V2 STEEL FREEHUB BODY 36T SHIMANO HG INC 1.85MM SPACER
WITH	
NUKNEUV2148HGXDAXLE	NEUTRON V2 HG / XD 148MM AXLE
AND	
NUKNEUV2R148CAPS	NEUTRON V2 END CAPS 148MM

HUB DIMENSIONS

LEFT FLANGE Ø(PCD)	RIGHT FLANGE Ø(PCD)	CENTER TO LEFT FLANGE	CENTER TO RIGHT FLANGE	SPOKE HOLE Ø	OFFSET	FLANGE TO FLANGE
58	58	21.45	39.05	2.6	8.8	60.5



NEUTRON V2 SPOKE LENGTHS AND ERD

NUKEPROOF PART NUMBER	WHEEL	WHEEL SIZE	HUB SPACING	NON DRIVE SIDE SPOKE LENGTH	DRIVESIDE SPOKE LENGTH
NUKNEUV215NB275	NEUTRON V2 FRONT WHEEL	27.5"	15X100MM NON BOOST	272	273
NUKNEUV215B275	NEUTRON V2 FRONT WHEEL	27.5"	15X110MM BOOST	272	273
NUKNEUV220NB275	NEUTRON V2 FRONT WHEEL	27.5"	20X110MM NON BOOST	272	273
NUKNEUV220B275	NEUTRON V2 FRONT WHEEL	27.5"	20X110MM BOOST	272	273
NUKNEUV2275142HG	NEUTRON V2 REAR WHEEL 102T	27.5"	142MM X 12MM HG	274	272
NUKHORV2275148HG	NEUTRON V2 REAR WHEEL 102T	27.5"	148MM X 12MM HG	274	272
NUKHORV2275148XD	NEUTRON V2 REAR WHEEL 102T	27.5"	148MM X 12MM XD	274	272
NUKHORV2275148MS	NEUTRON V2 REAR WHEEL 102T	27.5"	148MM X 12MM MS	274	272
NUKHORV2275150HG	NEUTRON V2 REAR WHEEL 102T	27.5"	150/157MM X 12MM HG	274	273
NUKHORV2275150XD	NEUTRON V2 REAR WHEEL 102T	27.5"	150/157MM X 12MM XD	274	273
NUKHORV215NB29	NEUTRON V2 FRONT WHEEL	29"	15X100MM NON BOOST	291	292
NUKHORV215B29	NEUTRON V2 FRONT WHEEL	29"	15X110MM BOOST	291	292
NUKHORV220NB29	NEUTRON V2 FRONT WHEEL	29"	20X110MM NON BOOST	291	292
NUKHORV220B29	NEUTRON V2 FRONT WHEEL	29"	20X110MM BOOST	291	292
NUKHORV229142HG	NEUTRON V2 REAR WHEEL 102T	29"	142MM X 12MM XD	292	290
NUKHORV229148HG	NEUTRON V2 REAR WHEEL 102T	29"	148MM X 12MM HG	292	290
NUKHORV229148XD	NEUTRON V2 REAR WHEEL 102T	29"	148MM X 12MM XD	292	290
NUKHORV229148MS	NEUTRON V2 REAR WHEEL 102T	29"	148MM X 12MM MS	292	290
NUKHORV229150HG	NEUTRON V2 REAR WHEEL 102T	29"	150/157MM X 12MM HG	292	291
NUKHORV229150XD	NEUTRON V2 REAR WHEEL 102T	29"	150/157MM X 12MM XD	292	291

WHEEL

RIM

ERD

NEUTRON V2 RIM

27.5"

560.9

NEUTRON V2 RIM

29"

598.9