

COMPONENT SIZE & FIT SPECIFICATIONS, CARBON, BLACKTHORN 2.0, 145 & 125

FOR CARBON BLACKTHORN 2.0 145 ASSEMBLING PARTS, BEARINGS, & TORQUE SPEC: REFER TO DRW # 06-003182_EBM01
FOR CARBON BLACKTHORN 2.0 125 ASSEMBLING PARTS, BEARINGS, & TORQUE SPEC: REFER TO DRW # 06-003172_EBM01
FOR CARBON BLACKTHORN 2.0 FRAME PARTS, HARDWARE, & FRAME ACCESSORIES: REFER TO DRW # 06-003180_EIN01

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	ISSUED BY
	A	INITIAL RELEASE	2024 MAR 21	P. KOSKI

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TABLE #3 - RIDER WEIGHT RANGE PER COIL SPRING FOR BLACKTHORN 2.0 145 (55 STROKE)							
COIL SPRING SIZE		MIN 27% SAG		IDEAL 30% SAG		MAX 30% @ 2 TURNS PRE-LOAD	
lbf/in	kg/cm	lb	kg	lb	kg	lb	kg
250	45	83	38	92	42	104	47
300	54	100	45	111	50	124	56
350	64	116	53	129	59	145	66
400	73	133	60	148	67	166	75
450	82	150	68	166	75	186	84
500	91	166	75	185	84	207	94
550	100	183	83	203	92	228	103
600	109	199	90	222	101	248	112
650	118	216	98	240	109	269	122
700	127	233	106	258	117	290	132

* VALUES ARE CALCULATIONS ONLY, CHECK FOR 30% OR LESS SAG AND DO NOT EXCEED SHOCK MANF RECOMMENDED MAX TURNS OF PRE-LOAD
* SOME COIL SIZES LISTED MAY NOT BE AVAILABLE AT THIS STROKE LENGTH

TABLE #4 - RIDER WEIGHT RANGE PER COIL SPRING FOR BLACKTHORN 2.0 125 (45 STROKE)							
COIL SPRING SIZE		MIN 27% SAG		IDEAL 30% SAG		MAX 30% @ 2 TURNS PRE-LOAD	
lbf/in	kg/cm	lb	kg	lb	kg	lb	kg
250	45	67	30	75	34	86	39
300	54	81	37	90	41	103	47
350	64	94	43	105	48	120	54
400	73	108	49	120	54	138	63
450	82	121	55	135	61	155	70
500	91	135	61	150	68	172	78
550	100	148	67	165	75	189	86
600	109	162	73	180	82	206	93
650	118	175	79	195	88	224	102
700	127	189	86	210	95	241	109

TABLE # 1 - REAR WHEEL TRAVEL PER SHOCK STROKE / FLIP CHIP SETTING						
MODEL VERSION	SHOCK LINK	SHOCK SIZE (E-2-E)	REAR SHOCK STROKE	FLIP CHIP POSITION		RECOMMENDED FRONT FORK TRAVEL (A2CxOFF)
				HIGH (DEF)	LOW	
BLACKTHORN 2.0 145	06-003056	210	55.0	147	145	160 (573x44)
			52.5	141	139	150 (563x44)
			50.0	135	133	150 (563x44)
			47.5	129	127	140 (551x44)
BLACKTHORN 2.0 125	06-003046	190	45.0	123	121	140 (551x44)
			42.5	117	115	130 (541x44)
			40.0	111	109	130 (541x44)

UNLESS SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS		MATERIAL		DRAWN BY		DRAWING DATE		QUALITY BICYCLE PRODUCTS 6400 WEST 105 STREET, BLOOMINGTON, MN, 55438, USA NO. 3-8 GUANGFU RD, DAYA DIST, TAICHUN CITY 428, TAIWAN, R.O.C. 	
		PER COMPONENT		P. KOSKI		2024 JAN 04			
		SURFACE TEXTURE (µM)		THIRD ANGLE PROJECTION		SHEET SIZE B			
		FINISH				SHEET SCALE 1:5			
		PER COMPONENT				DO NOT SCALE			
		DIMENSIONAL LIMITS APPLY AFTER FINISH		INTERPRET PER ASME Y14.5-2018					
TOP COAT		DEBURR/BREAK ALL SHARP EDGES & CORNERS		PROPRIETARY		TITLE <<need>> - <<need>>			
LINEAR DIM.		TOLERANCE		THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION WHICH IS PROPERTY OF QBP AND MANY NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT PERMISSION		ITEM NO.		ITEM REV.	
0.5 - 6	±0.1	MASS (GRAMS)		VOLUME (MM ³)		06-003180_EIN00		NR	
>6 - 30	±0.2	N/A							
>30 - 120	±0.3								
>120 - 400	±0.5								
>400 - 1000	±0.8								
ANGULAR DIM.	±0.5°							SHEET # 1 of 1	

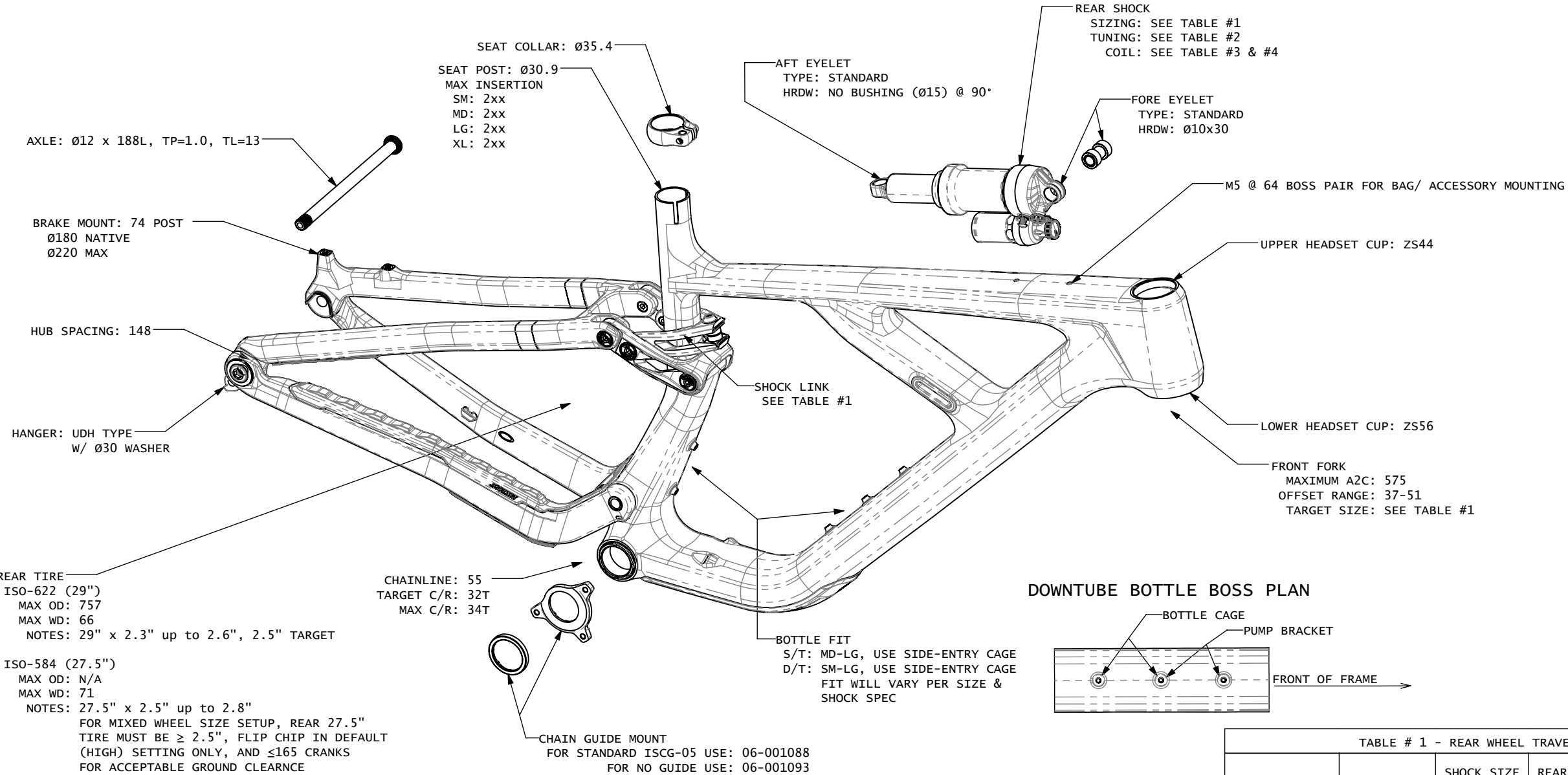


TABLE # 2 - SHOCK TUNES (FOR OEM 55 STROKE)			
MANF.	MODEL	VARIANT	TUNE
ROCKSHOX	DLX	SEL/SEL+/ULT	0P4 LN L1 320
ROCKSHOX	SDLX	SEL/SEL+/ULT	0P4 LN L1 320 HBO
ROCKSHOX	SDLX COIL	SEL/SEL+/ULT	LN L1 320 HBO
ROCKSHOX	VIVID	SEL/SEL+/ULT	
FOX	FLOAT	P/PE/FACT	
FOX	FLOAT X	P/PE/FACT	LV 0.7 CS50 RL50 LMS REZI B60
FOX	FLOAT X2	P/PE/FACT	
FOX	DHX2	P/PE/FACT	

HBO = HYDRAULIC BOTTOM OUT, OPTIONAL, NICE TO HAVE FOR ADDITIONAL BOTTOM OUT CONTROL