

SPECIFICATIONS

CHAINWHEELS

Model	ROYAL					SUPER APEX					APEX				SILSTAR					
	-5ESL	-5SL	-5	-S5	-5RG	-5TG	-3TG	-5LASL	-5LA	-5MASL	-5MA	-5RG II	-3FA	-5SD II	-5DRGAH	-5DRGE	-5SD II AH	-5SD II E	-3DFA	-S
Crank	Light alloy	←	←	←	←	←	←	←	←	←	←	←	←	←	Melt-forged Light alloy	←	←	←	←	←
	one piec forged	←	←	←	←	←	←	Mounted on five arm	←	←	←	←	Mounted on three arm	Mounted on chainring	Mounted on five arm	←	Mounted on chainring	←	Mounted on three arm	Mounted on chainring
Length	165mm 170mm	←	←	←	170mm	←	←	165mm 170mm	←	←	←	←	←	←	165mm, 170mm 175mm	←	←	←	←	←
Chainring	Light alloy	←	←	←	←	←	←	←	←	←	←	←	←	←	Steel	Light alloy	Steel	Light alloy	Steel	
Inter-changeable	CAMPAGNOLO	←	←	←	SAKAE RG	STRONGLIGHT 99	←	CAMPAGNOLO SAKAE ROYAL	←	SHIMANO DURA-ACE	←	SAKAE RG	FRENCH BNA	only inner RG	SAKAE RG	SAKAE SI-5DRGE	only inner RG	SAKAE SI-5DRGE	FRENCH BNA	
Teeth	42-54	←	←	←	36-54	28-54	←	42-54	←	39-52	←	36-54	42, 52	36-54	←	←	←	←	42, 52	28-54

HANDLE BAR BENDS

Model	ROYAL		CUSTOM					RANDONNEUR		DROP		NORTH-ROAD		ALL-ROUNDEF			
	-978	-RACER	WS-SL	WS	CTD	CT-L	CT-S	WR	RND	RN-L	RN-S	SC	7D	NL-90	NR-L	AR-S	AR-L
Material	Light alloy	←	←	←	←	←	Steel	Light alloy	←	←	Steel	←	←	Light alloy	Steel	←	Light alloy
Type	Double tube	←	←	←	←	Bulge 32mm	←	Double tube	←	Bulge 32mm	←	Bulge 120mm	←	90mm	32mm	←	←
Diam	23.8 mm	←	←	←	←	←	←	←	←	←	←	22.2mm	←	←	←	←	←

HANDLE STEMS

Model	NEW ROYAL			ROYAL	APEX	SR	JUN	SWAN	
	NRY-ESL	NRY-SL	NRY	RY-TY	AX-	SR-	JUN-50	SW-50AH, E	SW-50×135
Material	Light alloy	←	←	←	←	←	←	←	←
	Forged	←	←	←	←	Melt-forged	←	←	←
Extension	70-130mm	←	←	80-100mm	60-140mm	50-100mm	50mm	←	←
Expander bolt	6mm	←	←	8mm	←	←	←	←	←

SEAT PILLARS

Model	ROYAL			CUSTOM			ALUMI	STAINLESS
	P1ESL II	P1SL III	P1 II	P3	P5	P6	ASP	SSP
Material	Light alloy	←	←	←	←	←	←	Stainless steel
	forged	←	←	Melt-forged	←	←	←	tube
Length	195mm	←	←	←	190mm	180mm	180mm 235mm	165-300mm
Diam	26.6-27.4mm	26.6-27.2mm	25.8-27.2mm	25.8-27.0mm	25.8-27.2mm	25.4-26.8mm	25.8-27.2mm	22.2-28.6mm

PEDALS

Model	SP-100			SP-200		SP-300		SP-400		SP-401			SP-500	
	AL	BL	CP	AL	BL	AL	CP	AL	CP	AL	CP	CPR	FW	BW
Plate material	Light alloy	←	Steel	Light alloy	←	←	Steel	Light alloy	Steel	Light alloy	Steel	←	Rubber	←
Finish	←	Black	C-P	←	Black	←	C-P	←	C-P	←	C-P	←	White	Black
Type	Quill	←	←	Rat-trap	←	Quill	←	Rat-trap	←	←	←	with reflector	Full rubber	←
Size	62mm	←	←	←	←	80mm	←	←	←	←	←	←	←	←

HUBS

Model	SH-100			SH-300		
	QR	SK	SD	QR	SK	SD
Type	Large flange	←	←	Small flange	←	←
	Quick-release	Solid axle	←	Quick-release	Solid axle	←
	←	with key-washer	keyless axle	←	with key-washer	keyless axle