

ROLLCii Wheel Building Spoke Length Reference Chart

Reference values for the listed rim / hub combinations. Spoke lengths are recommended whole-mm sizes for 14 mm nipples.

Wheel Position	Size	Rim Model	ERD (mm)	Hub Model	Hole Count	Lacing	NDS Spoke Length (mm)	DS Spoke Length (mm)	Nipple Length (mm)	Notes
Front Boost Wheel	29"	MTA30	602.5	RC39DB	32	3X	292	293	14	
Rear Boost Wheel	29"	MTA30	602.5	RC39DB	32	3X	292	290	14	
Front Boost Wheel	27.5"	MTA30	562.5	RC39DB	32	3X	272	273	14	
Rear Boost Wheel	27.5"	MTA30	562.5	RC39DB	32	3X	273	271	14	
Front Boost Wheel	29"	MTA30	602.5	RC37DB	32	3X	291	293	14	
Rear Boost Wheel	29"	MTA30	602.5	RC37DB	32	3X	293	291	14	
Front Boost Wheel	27.5"	MTA30	562.5	RC37DB	32	3X	271	273	14	
Rear Boost Wheel	27.5"	MTA30	562.5	RC37DB	32	3X	273	271	14	
Front MTB Wheel	26"	MTA30	539.5	RC29DB	32	3X	260	261	14	
Rear MTB Wheel	26"	MTA30	539.5	RC29DB	32	3X	261	259	14	
Front MTB Wheel	26"	MTA30	539.5	RC27DB	32	3X	262	263	14	
Rear MTB Wheel	26"	MTA30	539.5	RC27DB	32	3X	263	260	14	
Front Gravel Wheel	700C	GRA25EC	600.5	RC27DB	32	3X	292	293	14	Asymmetric rim
Rear Gravel Wheel	700C	GRA25EC	600.5	RC27DB	32	3X	293	290	14	Asymmetric rim
Front Gravel Wheel	650B	GRA25EC	562.5	RC27DB	32	3X	273	275	14	Asymmetric rim
Rear Gravel Wheel	650B	GRA25EC	562.5	RC27DB	32	3X	274	271	14	Asymmetric rim
Front Gravel Wheel	700C	GRA25EC	600.5	RC29DB	32	3X	290	291	14	Asymmetric rim
Rear Gravel Wheel	700C	GRA25EC	600.5	RC29DB	32	3X	291	290	14	Asymmetric rim
Front Gravel Wheel	650B	GRA25EC	562.5	RC29DB	32	3X	271	273	14	Asymmetric rim
Rear Gravel Wheel	650B	GRA25EC	562.5	RC29DB	32	3X	272	271	14	Asymmetric rim
Front MTB Wheel	26"	GRA23	534.5	RC29DB	32	3X	257	259	14	
Rear MTB Wheel	26"	GRA23	534.5	RC29DB	32	3X	259	257	14	
Front MTB Wheel	26"	GRA23	534.5	RC27DB	32	3X	259	261	14	
Rear MTB Wheel	26"	GRA23	534.5	RC27DB	32	3X	260	257	14	
Front MTB Wheel	26"	GRA21RM	527.5	RC17	32	3X	258	258	14	
Rear MTB Wheel	26"	GRA21RM	527.5	RC17	32	3X	258	255	14	
Front Road Wheel	700C	GRA21RM	590.5	RC17	32	3X	289	289	14	
Rear Road Wheel	700C	GRA21RM	590.5	RC17	32	3X	289	286	14	
Front Road Wheel	650B	GRA21RM	552.5	RC17	32	3X	270	270	14	
Rear Road Wheel	650B	GRA21RM	552.5	RC17	32	3X	271	267	14	
Front Track Wheel	700C	GRA21RM	590.5	RC20	32	3X	286	286	14	
Rear Track Wheel	700C	GRA21RM	590.5	RC20	32	3X	286	286	14	
Front Track Wheel	700C	GRA21RM	590.5	RC18	32	3X	289	289	14	
Rear Track Wheel	700C	GRA21RM	590.5	RC18	32	3X	288	288	14	
Front Track Wheel	700C	RDA19RM	588.5	RC19	20	2X	290	290	14	Recommended front lacing
Front Track Wheel	700C	RDA19RM	588.5	RC19	20	RADIAL	279	279	14	Alternative front lacing; 280 mm is also usable
Rear Track Wheel	700C	RDA19RM	588.5	RC19	24	2X	284	284	14	

Notes

- NDS = Non-Drive Side; DS = Drive Side.
- GRA25EC is an asymmetric rim. Use the correct rim orientation when building the wheel.
- RC19 front 2X is the default recommendation. Radial is listed as an alternative build option.