

Size Chart

	approximate age	approx minimum height	minimum inside leg*	maximum inside leg
ROTHAN	2+	88cm	30cm	42cm
CNOC 14	3+	98cm	38cm	48cm
CNOC 16	4+	104cm	42cm	52cm
BEINN 20 (Small)	5+	110cm	46cm	57cm
BEINN 20 (Large)	6+	116cm	51cm	62cm
BEINN 24	7+	122cm	57cm	68cm
BEINN 26 (Small)	8+	130cm	64cm	76cm
BEINN 26 (Large)	11+	150cm	70cm	82cm
LUATH 26	9+	135cm	65cm	75cm
LUATH 700	11+	145cm	70cm	80cm
TRAILERBIKE	4+	93cm	36cm	56cm

*crutch to floor in socks

Gear Ratios

BEINN 20		14	16	18	21	24	28		
	36	49	43	38	33	29	24		
BEINN 24		11	13	15	17	20	24	28	34
	36	77	65	56	50	42	35	30	25
Standard 24"		14	15	17	19	21	24	28	
	42	90	76	66	58	52	45	38	
	32	68	58	50	44	40	34	29	
	24	51	43	38	33	30	26	22	
BEINN 26		11	13	15	17	20	24	28	34
	42	99	84	73	64	55	46	39	32
	32	76	64	55	49	42	35	30	24
	24	57	48	42	37	31	26	22	18
LUATH 26		11	13	15	17	20	24	28	34
	36	80	68	59	52	44	37	32	26
LUATH 700		11	12	14	16	18	21	26	32
	48	118	108	93	81	72	62	50	41
	34	83	77	66	57	51	44	35	29
standard road bike		13	14	15	16	17	19	21	23
	52	108	100	94	88	83	74	67	61
	39	81	75	70	66	62	55	50	46
standard cyclocross		13	14	15	17	19	21	23	26
	46	96	89	83	73	65	59	54	48
	38	79	73	68	60	54	49	45	39
gear restrictions for road & track racing	youth A (15/16)	youth B (13/14)	youth C (11/12)	youth D (9/10)	youth E (8/9)				
	87	80	76	68	64				

Explanation of gear ratios

You will have noticed that single chainrings and wide ratio blocks have been selected for most of our bikes. We have observed that children struggle to understand how to use multiple chainrings effectively, and usually end up using only one ring. The arrival on the market of very wide ratio cassettes has allowed us to specify a single ring and still provide an appropriate range of gears, giving your child something they will find easier to operate with the added advantage of being lighter and lower maintenance. The gear tables above show a comparison to 'standard' gear ratios.