



# Heritage Spinning & Weaving

## Wheels and Whorls: A Comparison of Spinning Wheel Speeds

**Note: We do not sell Lendrum wheels. This information is provided for comparison purposes.**

**Heritage Spinning & Weaving  
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Wheel	Ratios	
	Standard with Wheel	Optional to Order
<b>Schacht</b>	<a href="http://www.schachtspindle.com/our_products/our_products_spinning.php">http://www.schachtspindle.com/our_products/our_products_spinning.php</a>	
Matchless	Medium Speed Whorl: 9, 11 Fast Speed Whorl: 13, 15	Extra Speed Slow Whorl: 5, 6 Slow Speed Whorl: 6, 7.5 High Speed Whorl: 17.5, 19.5 Super High Speed Whorl: 18.5, 22
Ladybug	Medium Speed Whorl: 7, 9 Fast Speed Whorl: 10.5, 12.5	Slow Speed Whorl: 5, 6:1 High Speed Whorl: 14, 16:1
Reeves 24"	12, 14.5, 16, 19	
Reeves 30"	14.5, 18, 20, 24	
<b>Ashford</b>	<a href="http://www.ashford.co.nz/spinning/spinning-frameset.htm">http://www.ashford.co.nz/spinning/spinning-frameset.htm</a>	
Elizabeth 2	8.5, 11, 15, 18	High Speed Flyer: 14, 17.5, 22 Jumbo Flyer: 4.9, 5.7, 9.6 Quill Spindle: 14, 19, 26.5
Traditional	7.5, 10.1, 14	Lace Flyer: 15, 20, 30, 40 Jumbo Flyer: 4.5, 9 Quill Spindle: 14, 19, 26.5
Traveller	5.5, 10, 14	Lace Flyer: 12, 16, 24, 30 Jumbo Flyer: 3.7, 7.4 Quill Spindle: 14, 19, 26.5
Joy	6, 8, 11, 14	None
Kiwi	5.5, 7.25	High Speed Flyer: 11, 14 Jumbo Flyer: 4, 5
Country Spinner	4	None
<b>Lendrum</b>		
Original	Standard Flyer: 6, 8, 10 Fast Speed Flyer: 12, 15, 17 Jumbo Plying Flyer: 5, 7, 9	Very Fast Flyer: 26, 30, 36, 44 Quill Head: 6, 25, 37
Saxony	Ratios: 8, 12, 15, 18	Very Fast Flyer: 16, 20, 25

Wheel	Ratios	
	Standard with Wheel	Optional to Order
<b>Majacraft</b>	<a href="http://www.majacraft.co.nz/wheels.php">http://www.majacraft.co.nz/wheels.php</a>	
Rose	4.3, 6.1, 8.7, 13.5, 19	6 to 40.5, depending on what flyer is chosen; all are interchangeable
Suzie, Pro, and Alpaca	4.4, 6.9, 10, 13.1, 16	3.2 to 29.6 depending on flyer
Little Gem	4.9, 5.9, 8.6, 10.8, 13.1	3.2 to 21.5 depending on flyer
Pioneer	4.7, 7.3, 10.3, 13.3, 16	3.4 to 22.9 depending on flyer
Millie	4.1, 5.2, 7.1, 9.6, 13	3.5 to 25 depending on flyer
<b>Kromski</b>	<a href="http://www.newvoyager.com">http://www.newvoyager.com</a>	
Polonaise	8, 12, 16, 20	Jumbo Flyer: 5, 7.2 Extra slow whorl: 5.5 Extra fast whorl: 25
Symphony	7.5, 10, 16, 20	Jumbo Flyer: 5, 7.2 Extra slow whorl: 5.5 Extra fast whorl: 25
Minstrel	6.5, 8.5, 12, 16	Jumbo Flyer: 4 and 5.3
Mazurka	6, 8, 10, 12	Extra slow whorl: 4
Sonata	6.7, 12.5, 14	Jumbo flyer: 5, 7.5, 10 Faster Flyer: 12, 16, 18
Prelude	6, 10, 13	Jumbo flyer: 5, 7, 9 Faster Flyer: 11, 14.5, 16.5
<b>Louet</b>	<a href="http://louet.com/spinning_weaving/wheels.shtml">http://louet.com/spinning_weaving/wheels.shtml</a>	
S75	5.5, 7.5, 10.5	Bulky Bobbin: 6.2:1, 5:1, 4.2:1 High Speed Bobbin: 6.5:1, 9.5:1, 15:1 Fat Core Bobbin: 6.5:1, 9.5:1, 15:1
S45	7, 12, 20	
Victoria	6, 8.5, 13	High Speed Flyer: 19

Note: All ratios are the number of times the flyer turns for one complete turn of the drive wheel. This applies whether the wheel is double treadle, single treadle, or hand-turned. On the manufacturers' websites, the speed is expressed as, for example, "5:1". Read this as "five to one" or "five turns of the flyer to one turn of the drive wheel". We have dropped the ":1" part for clarity in this handout.