





The Original Howard Hand Card

EXCELLENCE SINCE 1866

Hand Carders	Item #	TPI	Pad Size	Cost
	HCR28	54	8"	
	HCR28	72	8"	
	HCR28	90	8"	
	HCR30	120	8"	
	HCR34	190	8"	

Student Size Hand Carders	Item #	TPI	Pad Size	Cost
	HCRS28	54	6"	
	HCRS28	72	6"	
	HCRS28	90	6"	
	HCRS30	120	6"	
	HCRS34	190	6"	

Mini Size Hand Carders	Item #	TPI	Pad Size	Cost
	HCRM28	90	4"	
	HCRM30	120	4"	
	HCRM34	190	4"	

Flicker Cleaning Card	Item #	TPI	Pad Size	Cost
	HCFC6	54	1.5" x 4"	

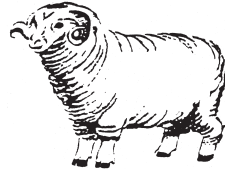


RENOWNED SINCE 1866

The Original
Howard Hand Card
Made in USA



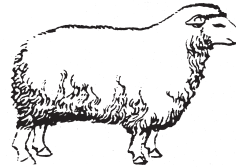
Fine-Wool Breeds



120/190 TPI
102 LT TPI

Breed	Avg. Yearly Staple	For Handspinning
American Merino	2 3/4"	Creamy color, heavy grease, soft yarn, the finest fleece for woolen spinning.
Delaine Merino	2 1/2" to 3"	
Rambouillet	2 1/4" to 3"	

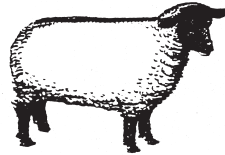
Crossbreed-Wool Breeds



Med @ 90
Fine @ 120

Breed	Avg. Yearly Staple	For Handspinning
Corriedale	Over 4"	Long silky fiber, good for beginners.
Columbia	3 1/2" to 5"	
Panama	3" to 4"	
Romeldale	3 1/2" to 4"	
Targhee	3"	

Medium-Wool Breeds



Suffolk & Crosses
@ 72 or 90 TPI

Breed	Avg. Yearly Staple	For Handspinning
Southdown	2"	White, fine, well-crimped fleece.
Shropshire	2 1/2"	Some black fibers in fleece, makes nice woolen yarn.
Hampshire	2" to 2 1/2"	Light airy fleece, easy to spin.
Suffolk	2" to 2 1/2"	Very white, strong fleece.
Dorset Horn	3" to 4"	Excellent to spin.
Cheviot	3" to 4"	Soft fleece, easy to handle.
Oxford	3" to 5"	

Long-Wool Breeds



90 TPI or less
Usual method is combing

Breed	Avg. Yearly Staple	For Handspinning
Leicester	7" to 9"	Long, lustrous staple with wide crimp, coarse, makes good knitting worsted, tapestry yarn.
Romney	5" to 6"	
Lincoln	8" to 12"	
Cotswold	8" to 12"	

Double-Coated Breeds



Breed	Type of Coat	Avg. Yearly Staple
Navajo Churro	Longwool	Outercoat 4" to 14"
		Undercoat 2" to 4"
Icelandic	Double Coat	Outercoat 4" to 10"
		Undercoat 2" to 3"
Shetland	Slight Double Coat	2" to 5"
Finn	Slight Double Coat	3" to 6"
Clun Forest	Dual Purpose Down Type	2 1/2" to 4"

Authorized Howard Hand Card Distributor: