Instrument Data Sheet

General	1	Product	Helical Rotary Brush	
	2	Model Number	HS*(bristle diameter)(bristle material)(brush width in inches)*	
	3	Manufacturer	Conveyor Components Company	
	4			
Environment	5	Bristle Heat Distortion Temperature	250 °F [121 °C]	Nylon bristles
	6		225 °F [107 °C]	Polypropylene bristles
	7	Bristle Melting Temperature	500 °F [260 °C]	Nylon bristles
	8		330 °F [166 °C]	Polypropylene bristles
	9	Critical Temperature	400 °F [204 °C]	Oil tempered wire bristles
	10			
	11	Hub Material	Powder coated cast iron (standard) or machined aluminum	
	12	Bristle Backing	Galvanized steel (standard) or stainless steel	
	13	Shaft Mounting	Ø 1 $^{7}/_{16}$" [37 mm] (standard)	
	14		Ø 1 $^{15}/_{16}$" [49 mm] (standard for 48" [1219 mm] brush and larger)	
	15			
Mechanical	16	Brush Type	Open face helical brush	
	17	Brush Width	6" to 108" [152 to 2743 mm] in standard sizes; custom sizes available.	
	18		Sizes of 72" [1829 mm] or less are supplied as a full-length brush	
	19		Sizes of 73" [1854 mm] or more are supplied as two butted half-length brushes	
	20	Brush Diameter	10" (standard); custom sizes available	
	21	Bristle Length	3" [76 mm] (standard); custom sizing available	
	22			
	23			
	24			
Options	25	Bristle Diameter	0.010" [0.25 mm] (option 010) oil tempered wire bristles only	
	26		0.014" [0.35 mm] (option 014) for lightweight dry materials	
	27		0.028" [0.7 mm] (option 028) for medium weight fine dry materials	
	28		0.040" [1.0 mm] (option 040) for heavy, wet, or tacky materials	
	29	Bristle Material	Nylon (option N): general purpose, abrasion resistant	
	30		Polypropylene (option P): for use with materials that deteriorate nylon	
	31		Oil tempered wire (option W): for high temperature processes, available only with 0.010" [0.25 mm] bristle diameter	
	32	Brush Hub	Powder coated cast iron (standard) or machined aluminum (upon request)	
	33	Bristle Backing	Galvanized steel (standard) or stainless steel (upon request)	
	34			
	35			
	36			
Replacement Parts	37	Bristle Strips	HB*(bristle diameter)(bristle material)(brush width)*	
	38			
	39			
Manufacturer	40		Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com	

Notes:
1. The motor should be wired so it starts and stops with conveyor operation.
2. Brush surface speed should approximate twice the belt speed, but not less than 200 RPM. The slowest speed that provides acceptable cleaning should be used.
3. Brush speed and brush pressure will affect bristle temperature and wear.
4. The brush should be adjusted with a "feather-touch" against the belt to allow it to "flick" material into the discharge