



MATERIAL HANDLING

B R U S H E S





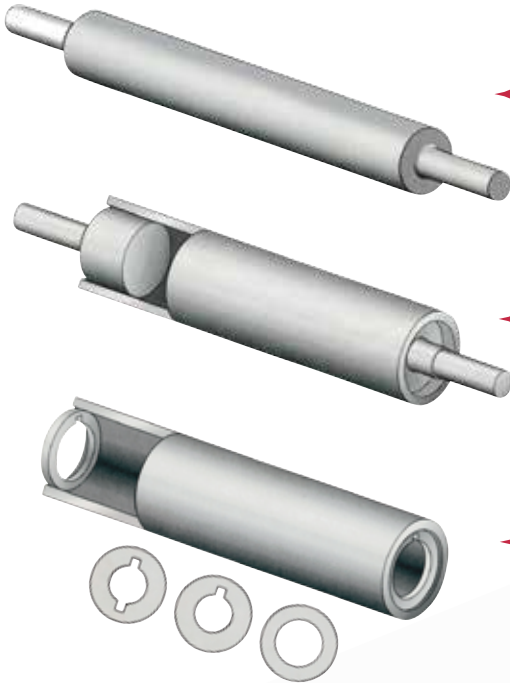
MATERIAL HANDLING BRUSHES

Brush Core Construction

Precise cylinder brush core constructions provide excellent brush concentricity. The brush core constructions are illustrated below. Core diameters have no limitations. A larger brush will require a stronger core designed for the application. Shafts can be machined to customer specifications; however weight is a factor in the final assembly. Since most coils are welded directly to a tube or shaft, end rings can be machined to make a better cosmetic appearance or leave the weld and channel exposed for a more economical finish.

Coil wound cylinder brushes can be refurbished using the same shaft or tube. Tanis will remove the worn brush off the existing assembly, then refill the shaft or tube with a new coil wound brush. We can repair journal or stub ends on shafts to provide a new surface for drives and bearings. Dynamic balancing can be provided for a fixed rotation speed or other working conditions in your application.

The Standard Core Systems are:



- 1. **Solid stainless steel or steel shaft with journal ends** machined to your requirements. Recommended shaft sizes between 1/2" to 2". Due to weight of the final assembly, we recommend shaft sizes not to exceed 2" diameter.
- 2. **Stainless steel or steel tubing** is used for the core. Journal ends for drive and bearing surfaces are press fit and shrunk inside the tube. The journal ends are either stainless steel or steel.
- 3. **Stainless steel or steel tube with end collars** to accept customer's shaft size. Tube diameter can be made to any size. Collars are made with set screws and /or single or double keyways. Design is recommended for slower speed applications.



Steel Tube with End Collar

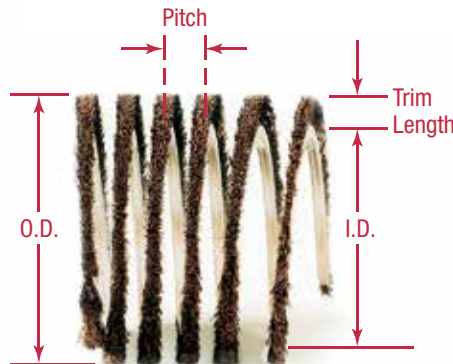
Solid Steel Shaft with Journal Ends



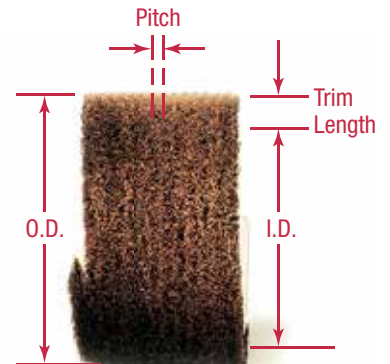
Loose or Free Coil



Assembled Coil



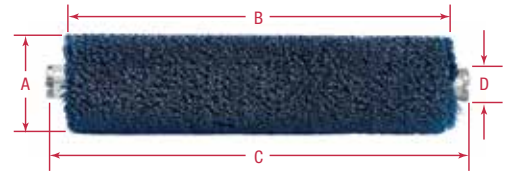
Open Wound Pitch
for a less dense brush



Close Wound Pitch
for a full brush

“RB” Series Conveyor Cylinder Brushes

The “RB” series are conveyor cylinder brushes coil wound with polypropylene bristles. Brushes are close wound with a dense brush face. The brush is mounted directly to a 16 gauge steel tube with collar ends for easy mounting to your 1" shaft. Collars are made with set screws and keyway and extend 1" on both ends. Cylinder brushes are effective for cleaning conveyor belting and chain, debris removal, material transporting and product positioning.



TANIS PART NO.	BRUSH DIA. (A)	BRUSH FACE (B)	OVERALL LENGTH (C)	TUBE DIA. (D)	BACKING SIZE	BRISTLE DIAMETER
RB412	4"	12"	14"	1-1/2"	#4	.006
RB418	4"	18"	20"	1-1/2"	#4	.006
RB420	4"	20"	22"	1-1/2"	#4	.006
RB422	4"	22"	24"	1-1/2"	#4	.006
RB424	4"	24"	26"	1-1/2"	#4	.006
RB432	4"	32"	34"	1-1/2"	#4	.006
RB436	4"	36"	38"	1-1/2"	#4	.006
RB448	4"	48"	50"	1-1/2"	#4	.006
RB612	6"	12"	14"	2"	#7	.020
RB618	6"	18"	20"	2"	#7	.020
RB620	6"	20"	22"	2"	#7	.020
RB622	6"	22"	24"	2"	#7	.020
RB624	6"	24"	26"	2"	#7	.020
RB632	6"	32"	34"	2"	#7	.020
RB636	6"	36"	38"	2"	#7	.020
RB648	6"	48"	50"	2"	#7	.020
RB812	8"	12"	14"	2"	#7	.030
RB818	8"	18"	20"	2"	#7	.030
RB820	8"	20"	22"	2"	#7	.030
RB822	8"	22"	24"	2"	#7	.030
RB824	8"	24"	26"	2"	#7	.030
RB832	8"	32"	34"	2"	#7	.030
RB836	8"	36"	38"	2"	#7	.030
RB848	8"	48"	50"	2"	#7	.030
RB1012	10"	12"	14"	2"	#7	.030
RB1018	10"	18"	20"	2"	#7	.035
RB1020	10"	20"	22"	2"	#7	.035
RB1022	10"	22"	24"	2"	#7	.035
RB1024	10"	24"	26"	2"	#7	.035
RB1032	10"	32"	34"	2"	#7	.035
RB1036	10"	36"	38"	2"	#7	.035
RB1048	10"	48"	50"	2"	#7	.035





MATERIAL HANDLING BRUSHES

Conveyor Guide Rail Brushes



Conveyor Guide Rail Brushes: Slide-on Strip Brush

TANIS PART NO.	OVERALL TRIM	OVERALL LENGTH	NUMBER OF ROWS	FILL MATERIAL
CGRB152060	1"	5'	3	.012 Natural Nylon
CGRB152096	1"	8'	3	.012 Natural Nylon
CGRB152120	1"	10'	3	.012 Natural Nylon

Conveyor Guide Rail Brushes: Heavy-duty Bumper Brush

TANIS PART NO.	OVERALL TRIM	OVERALL LENGTH	NUMBER OF ROWS	FILL MATERIAL
CGRB162060	1"	5'	3	.012 Natural Nylon
CGRB162120	1"	10'	3	.012 Natural Nylon

Adjustable Conveyor Belt Series

Open wound coil brush for light conveyor cleaning and product positioning. Loose coil wound with 1/2" lead and nylon fill material. Brushes are compatible with 11" to 29" wide conveyors. Simply adjust the mounting angle to fit the width of the conveyor by moving the mounting brackets. Individual coil slides onto 1/2" diameter shaft for easy mounting. Stainless steel components and polyester filament on a 3/4" lead. Available on the Adjustable Conveyor Belt Brush for the food and pharmaceutical industry. Mounting CBKIT sold separately.

Adjustable Conveyor Belt Series

TANIS PART NO.	BACKING SIZE	OUTSIDE DIAMETER	BRUSH LENGTH	FILL MATERIAL
CB3510	#4	3-1/2"	30"	.012 Crimped Natural Nylon
CB3520	#4	3-1/2"	30"	.018 Crimped Natural Nylon
CB3530	#4	3-1/2"	30"	.030 Crimped Natural Nylon
CB4010	#4	4"	30"	.012 Crimped Natural Nylon
CB4020	#4	4"	30"	.018 Crimped Natural Nylon
CB4030	#4	4"	30"	.030 Crimped Natural Nylon
CB6010	#4	6"	30"	.012 Crimped Natural Nylon
CB6020	#4	6"	30"	.018 Crimped Natural Nylon
CB6030	#4	6"	30"	.030 Crimped Natural Nylon

Adjustable Conveyor Belt Series for Food and Pharmaceutical Operations

TANIS PART NO.	BACKING SIZE	OUTSIDE DIAMETER	BRUSH LENGTH	FILL MATERIAL
CB3510FG	#4	3-1/2"	30"	.012 Natural Polyester
CB3520FG	#4	3-1/2"	30"	.018 Natural Polyester
CB3530FG	#4	3-1/2"	30"	.030 Black Polyester
CB4010FG	#4	4"	30"	.012 Natural Polyester
CB4020FG	#4	4"	30"	.018 Natural Polyester
CB4030FG	#4	4"	30"	.030 Black Polyester
CB6010FG	#4	6"	30"	.012 Natural Polyester
CB6020FG	#4	6"	30"	.018 Natural Polyester
CB6030FG	#4	6"	30"	.030 Black Polyester

Mounting Kit

Kit required for mounting adjustable conveyor brush. Includes 1/2" or 3/4" diameter x 36" long shaft, mounting brackets and hardware.

TANIS PART NO.	DIAMETER	LENGTH
CBKIT	1/2"	36"
CBKITFG	3/4"	36"

Table Top Brush Panels

Table top brush panels, or otherwise known as panel brushes, are often used to support flat surfaces by using many brush fibers that prevent damage to delicate surfaces. These brushes are widely used in sheet metal fabrication, glass panel conveying, wood finishing, or any application where surface finish is a high priority. The variety of dimensions we offer; allow for shorter and harder brush fibers to be used if heavier material is being transported. With a variety of manufacturing capabilities, Tanis Inc. is able to offer custom engineered solutions to many different industries.



TANIS PART NO.	BRUSH LENGTH	BRUSH WIDTH	BLOCK TYPE	BLOCK THICKNESS	TRIM HEIGHT	TRIM LENGTH	FILAMENT
T12000	12"	3"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12005	12"	6"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12010	12"	12"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12015	12"	18"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12020	12"	3"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12025	12"	6"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12030	12"	12"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12035	12"	18"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12100	12"	3"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12105	12"	6"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12110	12"	12"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12115	12"	18"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12120	12"	3"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12125	12"	6"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12130	12"	12"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12135	12"	18"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12200	12"	3"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12205	12"	6"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12210	12"	18"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12215	12"	24"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12220	12"	3"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12225	12"	6"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12230	12"	18"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12235	12"	24"	HDPE	1/2"	1"	1"	.020 Level Black Nylon

See Next Page for Additional Sizes.



Table Top Brush Panels

TANIS PART NO.	BRUSH LENGTH	BRUSH WIDTH	BLOCK TYPE	BLOCK THICKNESS	TRIM HEIGHT	TRIM LENGTH	FILAMENT
T12040	36"	3"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12045	36"	6"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12050	36"	12"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12055	36"	18"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12060	36"	3"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12065	36"	6"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12070	36"	12"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12075	36"	18"	HDPE	1/2"	1/2"	1/2"	.012 Level Black Nylon
T12140	36"	3"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12145	36"	6"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12150	36"	12"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12155	36"	18"	HDPE	1/2"	7/8"	7/8"	.012 Level Black Nylon
T12160	36"	3"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12165	36"	6"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12170	36"	12"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12175	36"	18"	HDPE	1/2"	7/8"	7/8"	.020 Level Black Nylon
T12240	36"	3"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12245	36"	6"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12250	36"	12"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12255	36"	18"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12260	36"	3"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12265	36"	6"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12270	36"	12"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12275	36"	18"	HDPE	1/2"	1"	1"	.020 Level Black Nylon

See Previous Page for Additional Sizes.

