TANIS®
INCORPORATED

TWIST
STRIP
ABRASIVE
POWER
MRO
BRUSHES

EDITION 7



TANIS®
INCORPORATED



Known for our vast selection of brush products, resourceful specialty-design capabilities and exceptional customer service, Tanis Brush™ is an industry leader in brush manufacturing. Since 1987, our team has remained committed to providing our customers with total customer satisfaction throughout the entire customer buying experience.

Our **ISO 9001:2015 and ISO 13485:2016** certifications bring excellence into our daily work environment and encourages us to persistently question and improve our processes, fostering a culture of quality and continuous improvement.

Our two facilities include more than 85,000 square feet of combined operation space and utilize the latest brush manufacturing technology with state-of-the-art automation equipment to ensure quality, consistency and value. Each facility has ample warehouse space for those customers requiring just-in-time stocking programs and allows for same day shipments of standard catalog products. Tanis Brush™ also provides private branding kitting, packaging and distribution services allowing our customers to have a stream-lined supply chain for their customers.

Our stock and standard brush offerings include abrasive, twisted, rotary, strip, stapled set, composite, power and utility product categories. We serve a global customer base including a wide range of OEMs, manufacturing operations, production processes and maintenance operations within a vast array of industries such as aerospace, agriculture, automotive, electronics, food processing, medical, metal fabrication, military, oil/gas, printing, utilities, warehouse and distribution and many more.

At Tanis, we focus on specialty-manufactured industrial brushes to meet the most unique applications. We offer short production quantities on semiautomatic machines or high volume production on highly automated state-of-the-art equipment to meet varying volume demands and brush technologies.

Call Tanis today for your brush solutions from the brush experts.

Engineering | Innovation | Customer Care

Customer Service (800) 234-7002 | **Ph** (262) 646-9000 | **Fx** (262) 646-9005 **Email** sales@tanisinc.com
3660 Kettle Court East • Delafield, WI 53018 • USA

tanisbrush.com

TABLE OF CONTENTS

Capabilities 2-5
Filament Information 6-9

TWISTED BRUSHES 11

Miniature and Micro Miniature Brushes 12-13
NEW Brush Sets 14-16
Twisted Power Brushes 17-18
Twisted Wire Hand Held Brushes 19-20
Abrasive Nylon Twisted Brushes 21-25
NEW Bore-Hone™ Brushes. 26-27
Nylon and Horse Hair Hand Held Brushes 28-29
Laboratory and Medical Brushes 30-32

STRIP BRUSHES 33

Strip Brush Technical Information 34-38
Metal Back Strip Brushes 39-49
Metal Back Strip Holders 50-53
Flexible and Rigid Strip Brushes 54-56
UPDATED OFFERING Fuze Flex™ Strip Brush and Holders 57-58

MATERIAL HANDLING BRUSHES 59

Cylinder Brush Technical Information 60
Cylinder Brushes. 61
Conveyor Guide Rail Brushes 62
Stack Brushes 63
Table Top Brushes. 64-65
NEW Transport Brushes. 66
Conveyor and Cleaning Brushes 67

ABRASIVE BRUSHES 69

Abrasive Safety Considerations 70-71
CeramiX® Technical Information 72-73
Operating Parameters and Troubleshooting 74-77
Composite Wheel Brushes 78-79
UPDATED OFFERING Metal Hub Wheel Brushes. 80-81
Miniature Wheel Brushes 82
UPDATED OFFERING Bore and Copper Center Wheel Brushes 83-84
Abrasive Nylon Disc Brushes 85-87
Shell Mill Holder Disc Brushes 88
Mini Disc Brushes 89
Fine Blanking Disc Brushes 90
End Brushes 91-92
Abrasive Nylon Twisted Brushes 93-97
NEW Bore-Hone™ Brushes. 98-99
Arbors, Adapters, Shanks and Bushings 100-102
Diamond Brushes 103

POWER BRUSHES 105

Power Brush Technical Information 106-111
UPDATED OFFERING Wire Brushes 112-118
Copper Center Wheel Brushes 119-121
Miniature Power Brushes 122-123

ARTIST BRUSHES 125

Artist Brushes 126-128

PAINT & PARTS CLEANING BRUSHES 129

Paint and Parts Cleaning Brushes 130-132

SCRATCH BRUSHES 133

Scratch Brushes 134-140

MAINTENANCE & GENERAL CLEANING BRUSHES 141

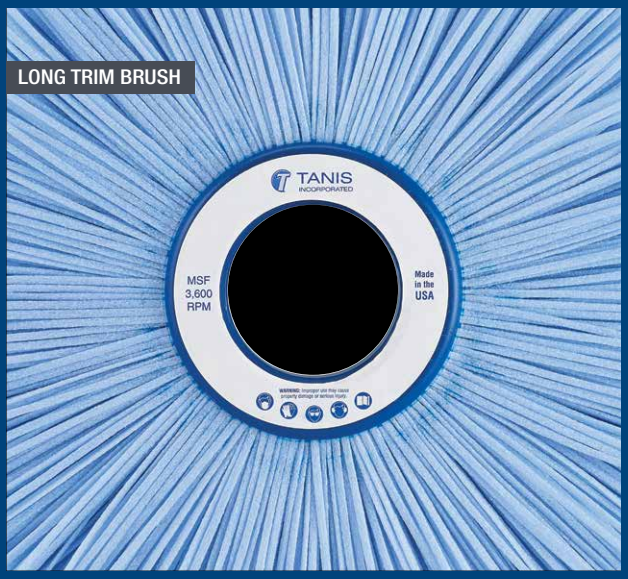
Hand Scrub Brushes 142-146
Drain, Valve and Tank Brushes 147-148
Pipe and Deck Brushes 149
Scrub Brushes 150
Automotive and Truck Brushes 150
Miscellaneous Brushes 151-152
Street and Floor Brooms 153-154
Handles 155-156
Notes 158-159

REQUEST A QUOTE 160

TERMS OF PURCHASE 161



SHELL MILL BRUSH ON ADAPTER
(SOLD SEPARATELY)



LONG TRIM BRUSH

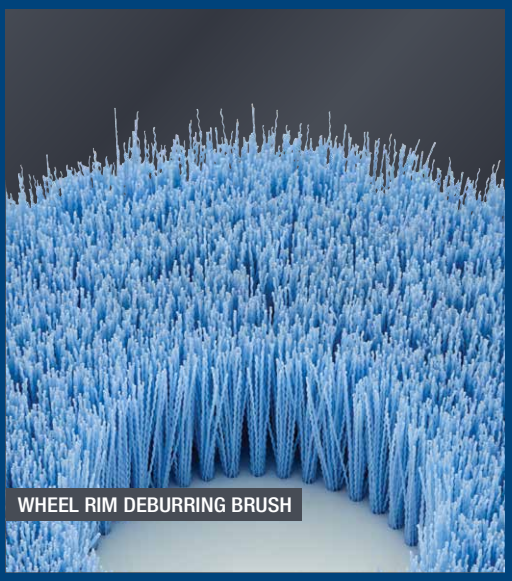
At Tanis, our brushes finish, clean, seal, move and apply in a variety of shapes and sizes across many industries. But our services go even farther than our standard products. In addition to a great range of brushes—and stemming from our passion for customer service and our commitment to innovation—is the heart of our company. *The Custom Brush.*



CERAMIX® TWISTED BRUSH
DEBURRS THREADING



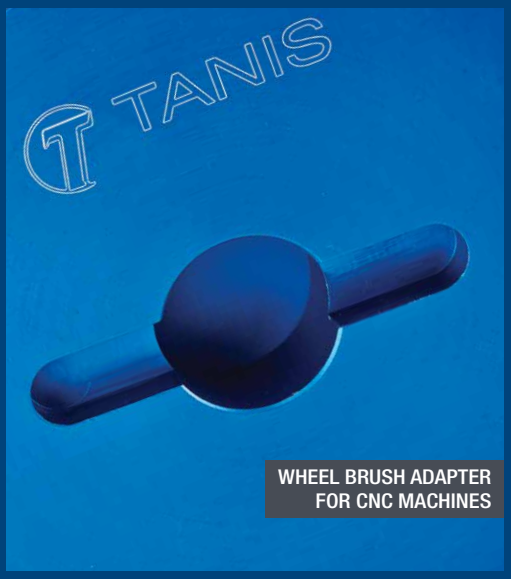
MINI DISC, IDEAL ON SMALL SURFACES



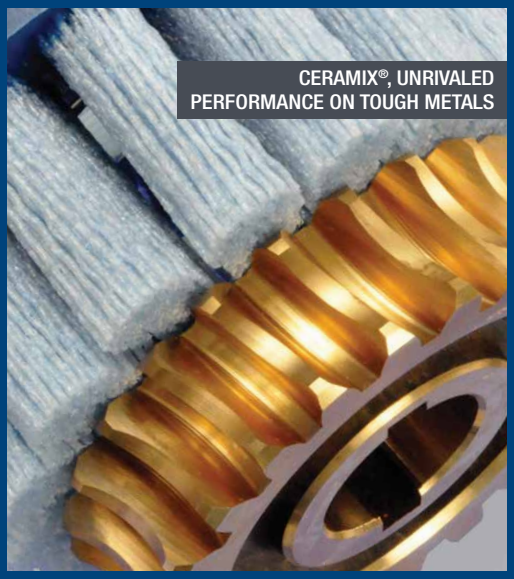
WHEEL RIM DEBURRING BRUSH



SHORT TRIM BRUSH



WHEEL BRUSH ADAPTER FOR CNC MACHINES

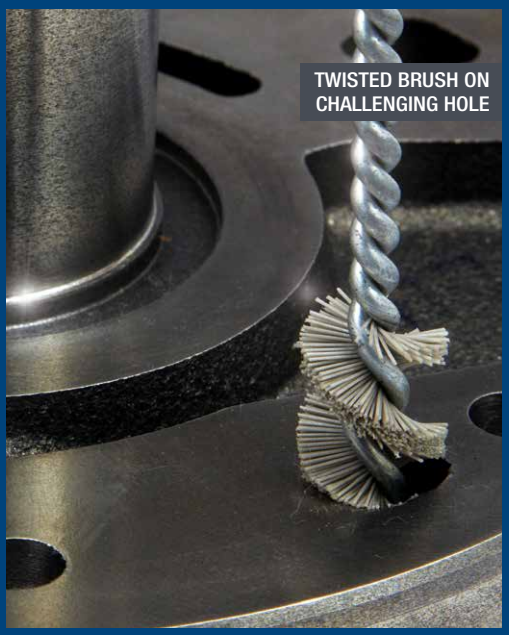

CERAMIX®, UNRIVALED PERFORMANCE ON TOUGH METALS


CERAMIX® BRUSH DEBURRS A GEAR

Using the latest technologies, newest materials and the best engineers, we make brushes to your specifications. These brushes can increase productivity, quality, throughput, uptime and overall efficiency of your processes.

We have extensive experience on a diverse set of custom projects; from oversized and microsized, to industry specific colors, temperature performance, durability requirements and problem solving designs.


DOUBLE WIDE METAL HUB BRUSH

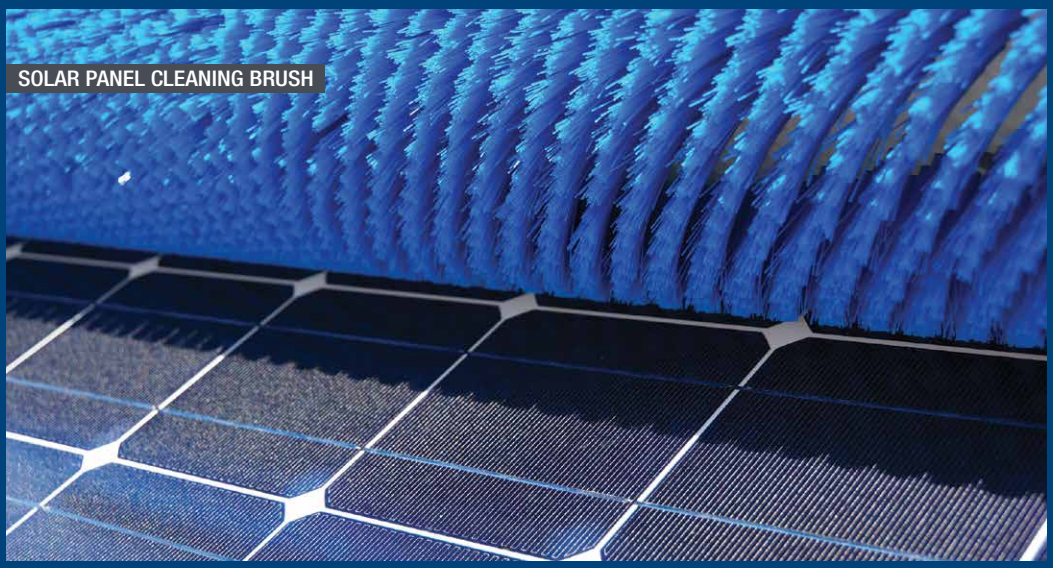

TWISTED BRUSH ON CHALLENGING HOLE


SILICON CARBIDE WHEEL BRUSH REMOVES ROUGH EDGE

Contact us to see what our Engineering Team can do for you.


FUZE FLEX™ STRIP BRUSH


SNAP-IN T-SLOT STRIP BRUSH


SOLAR PANEL CLEANING BRUSH


VIBRANT FILAMENT COLOR OPTIONS


PRINTING INDUSTRY BRUSHES


PHARMACEUTICAL BRUSHES

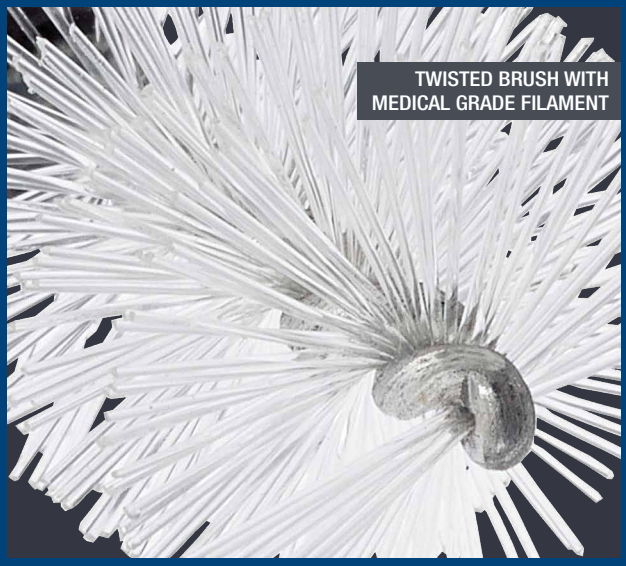

AGRICULTURAL BRUSHES


CYLINDER BRUSH


ARTIST BRUSHES


TRACHEOSTOMY BRUSH


MEDICAL CLEANING BRUSHES


TWISTED BRUSH WITH
MEDICAL GRADE FILAMENT


L-SHAPED FRYER BRUSH


BORE-HONE™ BRUSHES


WIRE GRILL BRUSH


ANTIMICROBIAL FILAMENT

Fill Material

Fill Material Terminology

Our industrial brushes are supplied with synthetic, abrasive nylon, natural and wire bristles. The bristles are the working action of the brush and deserve plenty of attention in designing your industrial brush tool. Bristle characteristics vary for each type of material. Bristles may be stiff or soft, thick or thin, repel or absorb water, chemical and/or heat resistant, flexible to a greater or lesser extent, and resistant to bending or abrasion. Another factor in determining bristle selection is the purpose the brush serves during use in the application. Bristles perform varying functions such as cleaning, sealing, guiding, applying pressure, wiping, cutting, abrading or polishing.

Other factors include brush density of the bristle. Brush density appearance can be affected by the bristle being made with a crimp or level (straight) characteristic. Crimped material has a wave in the bristle and provides a denser brush appearance. It produces a continuous and more even brush action. Crimp is measured by amplitude (depth of the crimp) and frequency (number of crimps per inch). Level or straight bristles provide a lesser brush density appearance. The bristle length or trim is exposed view and the working strength of the brush. The surface of the bristles is uniform and flat. Tanis Incorporated technical sales and engineering staff will provide assistance with your selection.

Synthetic Filaments

Nylon filament offers a combination of excellent bend recovery, abrasion resistance and chemical resistance. All nylons absorb water in wet conditions reducing the filament stiffness. Nylon has the highest heat deflection temperature, but is prone to oxidation embrittlement with long exposures to high temperatures. Nylon filaments are made with different characteristics, available in crimped or level (straight) fibers, several filament diameters and colors. Nylon filaments range from .003" to .090" diameters.

Nylon 6 is a quality filament that provides durability at a lower cost for several applications. Wet conditions reduce stiffness by 80%.

Nylon 6.6 is a high quality nylon filament that has improved wet and dry stiffness compared to Nylon 6. It has excellent bend recovery and abrasion resistance. Heat stabilizer additive makes this filament less prone to oxidation.

Nylon 6.12 is a superior grade, high quality nylon filament. This nylon offers excellent bend recovery and abrasion resistance. Low moisture absorption makes it an excellent filament choice for wet applications. This filament can be made in an “X” shape with high performance and excellent wear characteristics.

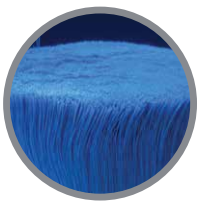
Antimicrobial prevents mold, yeast and bacteria from living and growing on the brush. These brushes stay cleaner, fresher and last longer than brushes made with standard filaments.

Anti-Static Nylon filaments are able to dissipate an electric charge. Anti-static nylon eliminates the problems generated by static electricity in many applications by providing a rapid dissipation of static charge. Past conductive nylon materials had to be grounded in order to dissipate charges whereas antistatic materials inhibit the generation of static charges.

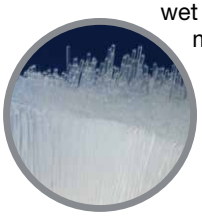
Polypropylene is a top quality and versatile filament for a wide variety of applications. It has excellent wet stiffness and flex fatigue resistance. It is inert to most solvents, oils and chemicals and is especially good at resisting strong acids and bases. Polypropylene has a good bend recovery, but susceptible to taking a set more easily than other synthetic materials.

Polypropylene has limited natural sunlight resistance which is greatly improved with a black colored filament. It can be made with different characteristics to improve solvent resistance and dry applications. It can be made in a triangular or “X” shape and made flagged or unflagged for improved surface contact and liquid retention. Polypropylene filaments are made with crimped or level (straight) fibers, several filament diameters and colors. Polypropylene is available in .006" to .060" filament diameters. Shaped polypropylene is available in larger sizes.

Polyester is an economical substitute for nylon 6.6 or 6.12 in many applications. It has improved abrasion resistance compared to polypropylene, but not as good as nylon. Polyester has excellent bend recovery, solvent resistant oxidation resistance at high temperatures. It has good resistance to sunlight. Properties in wet or dry applications do not change significantly because it does not absorb much water. It is an ideal filament for many wet applications. Heat stabilizer additive makes filament less prone to oxidation. Polyester can be made in a “X” shape for improved liquid retention. Polyester filaments are made with crimped or level (straight) fibers, several filament diameters and colors. Polyester filaments range from .006" to .075" diameters.



Polyester

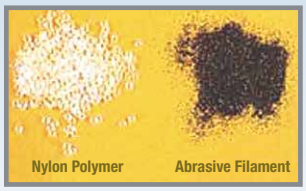


PFA

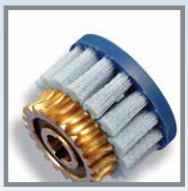
PFA is filament made with Teflon® material. This filament is inert to most chemicals and is excellent material for high temperature applications for continuous use limit at 500° F. PFA is available in .020" and .035" filament diameters.

Abrasive Nylon Filaments

An abrasive filament that combines nylon and abrasive grit in a special formulation to deliver strength, stiffness when wet, durability and chemical resistance. The abrasive grit is uniformly dispersed throughout the filament. This is a unique filament because the sharp cutting edges of grit can be he held firmly against any surface no matter what shape it is. As the brush moves against the surface, the cutting edges of the grit make good contact because the flexible filaments bend at various angles to fit the surface contour. Abrasive filaments are aggressive on the sides as well as the tips.

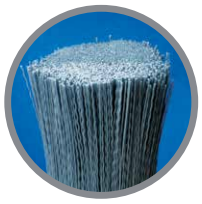


Nylon and Grit


Abrasive Filament

Abrasive filament is most often made with nylon 6.12 for use in wet or dry applications. Nylon 6 or 6.6 is suitable for dry applications and can be treated against thermal degradation. Filaments are available in a broad combination of grit sizes (600 grit to 46 grit), loading and diameters (.012" to .60"). Grit loadings range from 20% by weight of grit to 40%. Abrasive filaments are embedded with silicon carbide or aluminum oxide. Silicate is a fine abrasive filament with a .008" diameter and 1000 grit for micro-finishes.

CeramiX® Abrasive Brushes contain 3M™ grain 321 that provides enhanced cutting action up to 3 to 5 times faster than traditional abrasive filaments. The mineral wears away in smaller pieces, consistently leaving more mineral in the filament to work on the part surface. Refer to page 73 for grit and filament diameter ranges.


Silicon Carbide

Silicon Carbide is harder, sharper and more aggressive than aluminum oxide and is preferred for finishing ferrous metals. Refer to page 73 for grit and filament diameter ranges.

Silicate is a fine grade abrasive filament for fine finishing and cleaning. Refer to page 73 for grit and filament diameter ranges.

Polycrystalline Diamond is a hard ceramic with low thermal expansion. This fine grain abrasive filament is well-suited for fine finishing and cleaning.


Aluminum Oxide



Natural Filaments

All natural fibers are dependable substitutions for applications where synthetic filaments are not suited. Our natural filament offering includes horse hair, goat hair, tampico and bristle (boar or hog hair) for industrial applications. Artist brushes use natural fibers including bristle, ox hair, sable and camel hair.

Horse Hair is produced from the mane or tail hair and each provide a different stiffness and texture. It is best known for its ability to polish without being abrasive while cleaning the surface. This natural fiber is excellent for picking up dust and fine powders. Horsehair can be mixed with other natural fiber, synthetic and wire materials for specific customer applications. Horsehair colors include brown, black, mixed grey, silver grey and white.

Goat Hair is a very fine, soft natural fiber either black or white in color. It is used for very short trim soft brushes. Goat hair has a blunt tip, but retains a large volume of fluid.

Tampico is a natural fiber produced from Agave plants in Mexico. It has exceptional water retention characteristics, excellent biodegradability, superior heat and chemical resistance. It has a soft to medium texture and will soften when it absorbs water. It is able to withstand high temperatures without melting, but will discolor.

Bristle is a natural fiber with very thick butts and split ends used primarily in brush applications to carry liquids. Bristle is also referred to as hog, pig or boar hair. Bristle is used mainly in paint and artist brushes or twisted-in wire brushes. It maintains shape and stiffness in use over a long period of time. Bristle comes in gray, black or white (natural) colors.

Wire Fill Materials

High Carbon Steel is hard drawn, high-tensile strength wire with excellent fatigue resistance and brush action. Brushes with a wire diameter from .004" to .006" are used for fine surface work. Available in .004" to .014" wire diameters.

Stainless Steel Type 302 and Type 304 are the two types of stainless steel most commonly used in brushes. Type 302 is nonmagnetic, extremely tough, ductile and is excellent for corrosion resistance. Type 304 is the most widely used stainless steel and is similar to Type 302. Type 302 and Type 304 become slightly magnetic when cold worked and have excellent fabrication and welding characteristics. Recommended where contamination or “after rust” is a problem such as brushed stainless steel and on ferrous metals. Available in .003" to .020" wire diameters.

Stainless Steel Type 316 maintains a higher tensile strength at elevated temperatures. It also offers superior corrosion resistance in chlorides and many other environments than Type 304. Best choice for highly contaminated applications. Available in .003" to .020" wire diameters.

Brass is a non-ferrous and softer wire compared to steel and stainless steel. It has a high conductivity effective for reducing heavy static in a concentrated area. Brass is corrosion resistant and an excellent choice for cleaning scratch susceptible surfaces. Available in .003" to .020" wire diameters.

Phosphorous Bronze is a non-ferrous wire with excellent corrosion resistance, good fatigue life and high electrical conductivity for reducing static in a concentrated area. Bronze is used for better corrosion resistance and greater strength than brass. Available in .003" to .020" wire diameters.

FILAMENTS

General Fiber Characteristics

Over the past 30 years, Tanis experience has led us to work with a variety of materials to meet our customer's needs. This includes horse hair, pig bristle, goat hair, natural vegetable fibers, different grades of nylon, polypropylene, polyester and a variety of metal filaments. These filaments are available to produce the brush that best provides the results to your specific use or industry.

General Fiber Characteristics

CHARACTERISTICS	POLYPROPYLENE	NYLONS	POLYESTER	POLYSTYRENE	NATURAL VEGETABLE FIBERS	PET
Abrasion Resistance	Fair	Excellent	Good	Poor	Poor	Good
Flex Life	Excellent	Excellent	Good	Poor	Poor	Good
Bend Recovery	Good	Excellent	Excellent	Poor	Poor	Good
Resistance to Taking a Set	Fair	Good	Good	Excellent	Good	Good
General Solvent	Excellent	Excellent	Excellent	Poor	Good	Excellent
Flicking Action (Springiness)	Good	Excellent	Excellent	Excellent	Good	Excellent
Retention of Stiffness (in Water)	Excellent	Good-Poor	Excellent	Excellent	Good-Fair	Excellent

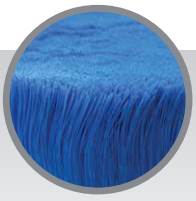
Synthetic Fiber Properties

PROPERTY	POLYPROPYLENE	6 NYLON	6.6 NYLON	6.12 NYLON	POLYESTER	POLYSTYRENE	PFA	PEEK	PET
Tensile Strength (PSI) x 1000	50-55	50-65	45-50	38.6	30-45	15-20	15	19	50
Stiffness Modules (PSI) x 1000	740	480	520	480	445	500	150	1100	500
Water Absorption (%)	< 0.01	9	9	3.5	0.50	< 0.03	<0.03	0.4	0.4
Softening Point (Fahrenheit)	212°	250°	280°	250°	240°	200°	500°	560°	260°
Melting Point (Fahrenheit)	320°	410°	495°	424°	430°	350°	590°	649°	450°

Filaments



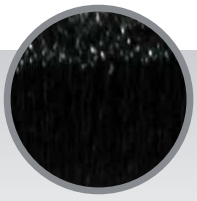
Polypropylene



Polyester



X-Shape Polyester



Nylon



Natural Vegetable Fibers

Performance Brushes

Choosing the right filament is essential for optimal brush performance—whether it is enhancing the cleaning properties of the brush, eliminating surface scratching or solving a unique application challenge.

Chemical and Environmental Resistance

RESISTANCE TO	POLYPROPYLENE	NYLON 6, 6.6, 6.12	POLYESTER	POLYSTYRENE	PET
Dilute Acids	Excellent	Good-Poor	Good	Good	Good
Dilute Alkalis	Excellent	Excellent	Good	Good	Good
Alcohols, Vegetable Oils	Excellent	Good	Excellent	Poor	Excellent
Gasoline, Petroleum Distillates	Good	Excellent	Excellent	Poor	Excellent
Turpentine	Good	Excellent	Excellent	Poor	Excellent
Benzine, Aromatic Hydrocarbons	Fair-Good	Excellent	Excellent	Poor	Excellent
Acetone, Ketones	Excellent	Good	Excellent	Poor	Excellent
Ethyl Acetate, Esters	Good	Good-Excellent	Excellent	Poor	Excellent
Trichlorethylene, Chlorinated Hydrocarbons	Fair-Good	Good-Excellent	Good-Fair	Poor	Fair
Prolonged Exposure to Hot Water	Fair-Good	Good	Good-Fair	Good	Good
Resistance to Sunlight*	Fair	Fair	Good	Good	Good

***Black color greatly increases resistance to sunlight.**

THE RIGHT FILAMENT FOR YOUR PROJECT

CONFIGURATOR

Twisted Brushes



TYPES



SS/SS
Single Stem/Single Spiral



DS/SS
Double Stem/Single Spiral



DS/DS
Double Stem/Double Spiral

TIP STYLES



CONTINUOUS END



CUT END



FAN TIP



RADIAL TIP



TUFTED TIP

HANDLES



LOOP



NO LOOP



COLLET-READY



PLASTIC

STEM WIRES

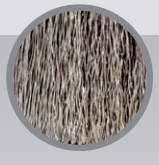


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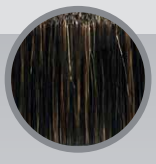


STAINLESS STEEL

FILAMENT OPTIONS



Stainless Steel



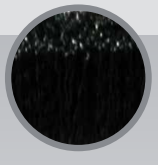
Horse Hair



Bristle



Brass



Nylon



Abrasive

To order a brush, visit www.tanisbrush.com/request-quote or call Customer Service at (262) 646-9000.

TWISTED

BRUSHES



Miniature and Micro Miniature Brushes

For ultra-fine cross hole deburring, cleaning, blending and polishing of small diameter holes.



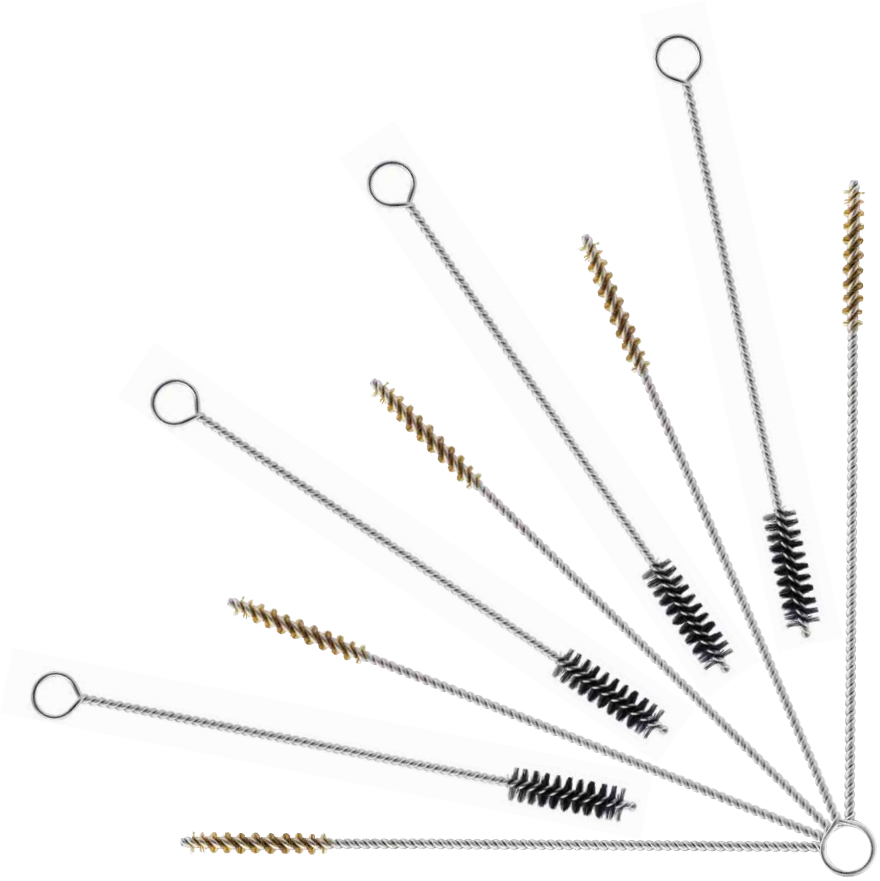
Miniature brushes with loop for hand use

(Single stem, single spiral; stainless stem wire with loop end.)

ST/ST W/GALV. STEM	ST/ST	BRASS	NYLON	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
08780	**05151**	**04980**	**05160**	.031	1/2"	4"	.022"	.003
08781	**05153**	**04982**	**05162**	.063	1/2"	4"	.032"	.003
08782	**05155**	**04984**	**05164**	.094	3/4"	4"	.042"	.003
08783	**05157**	**04986**	**05166**	.125	3/4"	4"	.062"	.003
08784	**05159**	**04988**	**05168**	.156	3/4"	4"	.062"	.003
08785	**05181**	**04990**	**05190**	.188	3/4"	4"	.062"	.003
08786	**05183**	**04992**	**05192**	.219	3/4"	4"	.062"	.003
08787	**05185**	**04994**	**05194**	.250	3/4"	4"	.062"	.003

Other sizes are available upon request.

See additional abrasive nylon micro twisted brushes on Pages 21-22.



Miniature and Micro Miniature Brushes

For ultra-fine cross hole deburring, cleaning, blending and polishing of small diameter holes.

Miniature brushes, stainless steel stem and cut off end for power or hand use

(Single stem, single spiral; stainless stem wire with cut off end.)

ST/ST	BRASS*	NYLON	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
08130	**08500**	**08170**	.020	1/4"	4"	.012"	.003
08131	**08501**	**08171**	.031	1/4"	4"	.016"	.003
08132	**08502**	**08172**	.047	1/2"	4"	.025"	.003
08133	**08504**	**08173**	.063	1/2"	4"	.025"	.003
08134	**08505**	**08174**	.078	1/2"	4"	.032"	.003
08135	**08506**	**08175**	.094	3/4"	4"	.048"	.003
08136	**08507**	**08176**	.109	3/4"	4"	.056"	.003
08137	**08508**	**08177**	.125	3/4"	4"	.062"	.003
08138	**08509**	**08178**	.141	3/4"	4"	.062"	.003
08139	**08510**	**08179**	.156	3/4"	4"	.075"	.003
08140	**08511**	**08180**	.172	1"	4"	.075"	.003
08141	**08512**	**08181**	.188	1"	4"	.075"	.003
08142	**08513**	**08182**	.203	1"	4"	.087"	.003
08143	**08514**	**08183**	.219	1"	4"	.095"	.003
08144	**08515**	**08184**	.234	1"	4"	.115"	.003
08145	**08516**	**08185**	.250	1"	4"	.115"	.003
08146	**08517**	**08186**	.313	1"	4"	.115"	.003

***Brass brushes are made with a 3" overall length.**
Other sizes are available upon request.



Metric miniature diameter brushes with cut off end (Stainless stem wire.)

ABRASIVE NYLON*	ST/ST	BRASS**	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
08410	**08430**	**08760**	1.0 mm	5/8"	4"	.016"	.003
08411	**08431**	**08761**	1.5 mm	5/8"	4"	.022"	.003
08412	**08432**	**08762**	2.0 mm	3/4"	4"	.032"	.003
08413	**08433**	**08763**	2.5 mm	3/4"	4"	.042"	.003
08414	**08434**	**08764**	3.0 mm	1"	4"	.056"	.003
08415	**08435**	**08765**	3.5 mm	1"	4"	.062"	.003
08416	**08436**	**08766**	4.0 mm	1"	4"	.070"	.003
08417	**08437**	**08767**	4.5 mm	1"	4"	.087"	.003
08418	**08438**	**08768**	5.0 mm	1"	4"	.087"	.003
08419	**08439**	**08769**	5.5 mm	1"	4"	.115"	.003
08420	**08440**	**08770**	6.0 mm	1"	4"	.115"	.003
08421	**08441**	**08771**	6.5 mm	1"	4"	.115"	.003

***Abrasive Nylon brushes are made with a .008 Silicate filament material.**
****Brass brushes are made with a 3" overall length.**
Other sizes are available upon request.



Miniature Brush Sets

For ultra-fine cross hole deburring, thread cleaning, blending and polishing of small diameter holes. Single-stem single-spiral construction, choice of filament.



Micro Diameter Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
08030	Nylon	.032", .040", .047", .063", .072", .094"
08031	Stainless Steel	.040", .047", .063", .072", .094"
08032	Brass	.040", .047", .063", .072", .094"

Brushes have stainless steel stems. Brush parts are 1/2" to 3/4" and overall lengths are 4".



Thread Diameter Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
08040	Stainless Steel	#0, #2, #4, #6, #8, #10, 1/4", 5/16", 3/8", 1/2", 3/4"
08041	Nylon	#0, #2, #4, #6, #8, #10, 1/4", 5/16", 3/8", 1/2", 3/4"
08042	Brass	#0, #2, #4, #6, #8, #10, 1/4", 5/16", 3/8", 1/2", 3/4"

Brushes have stainless steel stems. Brush parts are 3/4" to 1-1/2" and overall lengths are 4" to 6".



Tube Diameter Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
08050	Brass	1/8", 1/4", 3/8", 1/2"
08051	Nylon	1/8", 1/4", 3/8", 1/2"
08052	Stainless Steel	1/8", 1/4", 3/8", 1/2"

Brushes have stainless steel stems. Brush parts are 1-1/2" to 2" and overall length is 8".

NEW Brush Sets

Hand Drill Burr Brush Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
06800	High Carbon Steel	1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4"

Brush parts are 1" and overall lengths are 3-1/2".



Hand Drill Burr Brush Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
06801	Stainless Steel	1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4"

Brush parts are 1" and overall lengths are 3-1/2".



Hand Drill Burr Brush Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
06802	Brass	1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4"

Brush parts are 1" and overall lengths are 3-1/2".



Hand Drill Burr Brush Set

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
06805	Nylon	1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4"

Brush parts are 1" and overall lengths are 3-1/2".



Power Fitting Sets

TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
06803	High Carbon Steel	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"
06804	Stainless Steel	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"

Brush parts are 1" and overall lengths are 2-3/4".



Tube Cleaning Set



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
08810	Nylon	1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

Brush parts are 2", 3", 4", and 5". Overall lengths are 6-1/4", 8-1/2", 12-1/4", 13" and 16-3/4".

Mini Metric Sets

08804



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
*08801	Stainless Steel	1.0mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm
**08804	Stainless Steel	4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm, 6.5mm

***Brush parts are 5/8", 3/4", and 1". Overall lengths are 4". **Brush parts are 1" and overall lengths are 4".**

Mini Metric Sets

08805



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
*08802	Brass	1.0mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm
**08805	Brass	4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm, 6.5mm

***Brush parts are 5/8", 3/4", and 1". Overall lengths are 3". **Brush parts are 1" and overall lengths are 4".**

Mini Metric Sets

08803



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
*08800	Abrasive Nylon	1.0mm, 1.5mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm
**08803	Abrasive Nylon	4.0mm, 4.5mm, 5.0mm, 5.5mm, 6.0mm, 6.5mm

***Brush parts are 5/8", 3/4", and 1". Overall lengths are 4". **Brush parts are 1" and overall lengths are 4".**

Abrasive Deburr Set

31000



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
31000	Alumina Silicate	.030", .050", .075", .090", .105", .125", .135" and .190"

Brush parts are 1/2", 3/4", and 1". Overall lengths are 4" and 5".

Abrasive Deburr Set

31001



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
31001	Silicon Carbide	.050", .075", .090", .105", .125", .135" and .190"

Brush parts are 1/2", 3/4", and 1". Overall lengths are 4" and 5".

Abrasive Deburr Set

31002



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
31002	Aluminum Oxide	.215", .260", .325", .385", .515", .640", .765", .890", and 1.015"

Brush parts are 1". Overall lengths are 5".

Abrasive Deburr Set

31003



TANIS PART NO.	FILAMENT MATERIAL	DIAMETERS INCLUDED IN SET
31003	Silicon Carbide	.215", .260", .325", .385", .515", .640", .765", .890", and 1.015"

Brush parts are 1". Overall lengths are 5".

Power Fitting Burr Brushes

An ideal option for quick cleaning of fittings, tubing, drill holes and other deburring applications. The 1/4" hex shank provides greater strength for use in power drills and presses. Recommended operating speed is 100-600 RPM; maximum safe free speed is 2,000 RPM. Always run power brushes in a clockwise rotation.

CARBON STEEL	STAINLESS STEEL	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILAMENT DIAMETER
06760	**06770**	3/8"	1"	2-3/4"	.006
06761	**06771**	1/2"	1"	2-3/4"	.006
06762	**06772**	5/8"	1"	2-3/4"	.006
06763	**06773**	3/4"	1"	2-3/4"	.006
06764	**06774**	7/8"	1"	2-3/4"	.006
06765	**06775**	1"	1"	2-3/4"	.006
06766	**06776**	1-1/8"	1"	2-3/4"	.006


06763

Heavy Duty Burr Brushes

Used in drill presses and hand power tools for deburring, polishing and cleaning inner bores of tubing, machined cylinders, flat stock and smooth or threaded blind holes. Single stem, single spiral configuration with continuous end.

H/C STEEL	STAINLESS STEEL	BRASS	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
06200	**06201**	**06202**	1/4"	1"	3-1/2"	.113"	.003
06205	**06206**	**06207**	1/4"	1"	3-1/2"	.113"	.004
06225	**06226**	**06227**	5/16"	1"	3-1/2"	.113"	.003
06235	**06236**	**06237**	5/16"	1"	3-1/2"	.113"	.005
06255	**06256**	**06257**	3/8"	1"	3-1/2"	.113"	.004
06260	**06261**	**06262**	3/8"	1"	3-1/2"	.113"	.005
06290	**06291**	**06292**	7/16"	1"	3-1/2"	.113"	.005
06320	**06321**	**06322**	1/2"	1"	3-1/2"	.168"	.005
06330	**06331**	**06332**	1/2"	1"	3-1/2"	.168"	.008
06380	**06381**	**06382**	5/8"	1"	3-1/2"	.168"	.005
06390	**06391**	**06392**	5/8"	1"	3-1/2"	.168"	.008
06445	**06446**	**06447**	3/4"	1"	3-1/2"	.220"	.006
06450	**06451**	**06452**	3/4"	1"	3-1/2"	.220"	.008
06505	**06506**	**06507**	7/8"	1"	3-1/2"	.220"	.006
06510	**06511**	**06512**	7/8"	1"	3-1/2"	.220"	.008
06565	**06566**	**06567**	1"	1"	3-1/2"	.248"	.006
06570	**06571**	**06572**	1"	1"	3-1/2"	.248"	.008
06605	**06606**	**06607**	1-1/8"	1"	3-1/2"	.248"	.008
06635	**06636**	**06637**	1-1/4"	1"	3-1/2"	.248"	.008


06572
06256
06566

Other sizes are available upon request.

Power Tube Brushes

For polishing, blending, burr removal and cleaning. For use in power tools where heavy-duty cleaning is required.



Double stem, double spiral; cut off end

H/C STEEL	STAINLESS STEEL	BRASS	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
05205	05206	05207	1/4"	1-1/2"	4"	.095	.005
05215	05216	05217	5/16"	1-1/2"	4"	.125	.005
05225	05226	05227	3/8"	1-1/2"	4"	.125	.005
05240	05241	05242	1/2"	2"	5"	.162	.004
05245	05246	05247	1/2"	2"	5"	.162	.006
05260	05261	05262	5/8"	2"	5"	.208	.005
05265	05266	05267	5/8"	2"	5"	.208	.008
05280	05281	05282	3/4"	2-1/2"	5-1/2"	.237	.006
05285	05286	05287	3/4"	2-1/2"	5-1/2"	.237	.010
05300	05301	05302	7/8"	2-1/2"	5-1/2"	.237	.006
05305	05306	05307	7/8"	2-1/2"	5-1/2"	.237	.010
05320	05321	05322	1"	2-1/2"	5-1/2"	.237	.006
05325	05326	05327	1"	2-1/2"	5-1/2"	.237	.010

Other sizes are available upon request.

Side Tuft Cleaning Brushes

For cleaning and polishing threads, inner walls of tubes and cylinders. Solid concentration of bristles provides a high degree of bristle stiffness with little flexing of bristles during operation. For use in power tools. Use holder to run at a higher RPM.



H/C STEEL	STAINLESS STEEL	BRASS	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
05700	05701	05702	1/4"	9/16"	2-1/8"	.099	.003
05705	05706	05707	1/4"	9/16"	2-1/8"	.099	.005
05720	05721	05722	5/16"	9/16"	2-1/8"	.099	.003
05740	05741	05742	3/8"	9/16"	2-1/8"	.099	.003
05745	05746	05747	3/8"	9/16"	2-1/8"	.099	.005
05775	05776	05777	7/16"	9/16"	2-1/8"	.099	.005
05805	05806	05807	1/2"	9/16"	2-1/8"	.099	.005
05810	05811	05812	1/2"	9/16"	2-1/8"	.099	.008
05870	05871	05872	5/8"	5/8"	2-1/4"	.150	.005
05885	05886	05887	3/4"	5/8"	2-1/4"	.150	.005
05890	05891	05892	3/4"	5/8"	2-1/4"	.150	.008
05900	05901	05902	7/8"	5/8"	2-1/4"	.150	.005
05930	05931	05932	1"	5/8"	2-1/4"	.150	.005
05935	05936	05937	1"	5/8"	2-1/4"	.150	.008

Other sizes are available upon request.

Side Tuft Brush Holders

Slightly reduces bristle trim length for more aggressive brush action while allowing the brush to be driven at a higher RPM.



TANIS PART NO.	STEM DIAMETER	OVERALL LENGTH	SHANK DIAMETER
01040	3/32"	3-3/8"	1/4" for .099 stem diameter
01041	1/4"	3-3/8"	1/4" for .150 stem diameter

Hand Held Tube Cleaning Brushes

For manual or hand cleaning applications. Ideal for industrial cleaning.

Single stem, single spiral tube brush with short handle and loop end

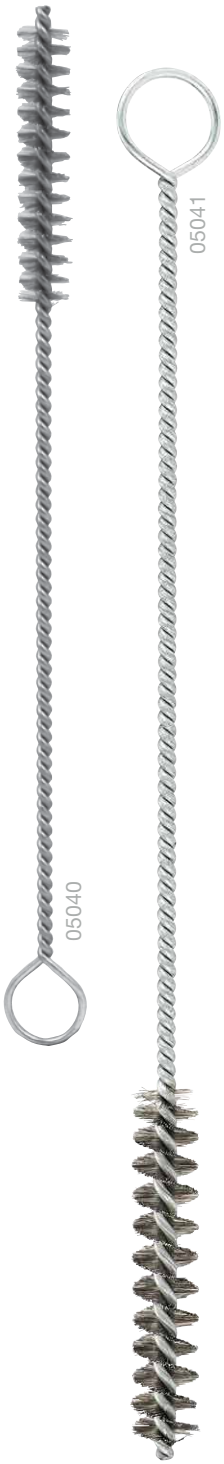
H/C STEEL*	STAINLESS STEEL*	BRASS*	ALL ST/ST	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
05000	**05001**	**05002**	**05003**	1/8"	1"	6"	.088"	.003
05010	**05011**	**05012**	**05013**	3/16"	1-1/2"	7"	.088"	.003
05015	**05016**	**05017**	**05018**	3/16"	1-1/2"	7"	.088"	.005
05020	**05021**	**05022**	**05023**	1/4"	1-1/2"	7"	.088"	.003
05025	**05026**	**05027**	**05028**	1/4"	1-1/2"	7"	.088"	.005
05035	**05036**	**05037**	**05038**	5/16"	1-1/2"	7"	.088"	.006
05040	**05041**	**05042**	**05043**	3/8"	2"	8"	.120"	.004
05045	**05046**	**05047**	**05048**	3/8"	2"	8"	.120"	.006
05055	**05056**	**05057**	**05058**	7/16"	2"	8"	.120"	.006
05060	**05061**	**05062**	**05063**	1/2"	2"	8"	.120"	.004
05065	**05066**	**05067**	**05068**	1/2"	2"	8"	.120"	.006
05075	**05076**	**05077**	**05078**	9/16"	2-1/2"	9"	.150"	.008
05085	**05086**	**05087**	**05088**	5/8"	2-1/2"	9"	.150"	.008
05095	**05096**	**05097**	**05098**	11/16"	2-1/2"	9"	.150"	.008
05105	**05106**	**05107**	**05108**	3/4"	2-1/2"	9"	.150"	.008
05115	**05116**	**05117**	**05118**	13/16"	3"	10"	.172"	.008
05125	**05126**	**05127**	**05128**	7/8"	3"	10"	.172"	.008
05135	**05136**	**05137**	**05138**	15/16"	3"	10"	.172"	.008
05145	**05146**	**05147**	**05148**	1"	3"	10"	.172"	.008

***Galvanized stem wire.**

Single stem, single spiral tube brush with long handle and loop end

STAINLESS STEEL*	BRASS*	ALL ST/ST	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
08315	**08345**	**08375**	1/4"	3"	27"	.132"	.005
08319	**08349**	**08379**	3/8"	3"	27"	.147"	.005
08323	**08353**	**08383**	1/2"	3"	27"	.168"	.006
08327	**08357**	**08387**	5/8"	3"	27"	.194"	.006
08331	**08361**	**08391**	3/4"	3"	27"	.194"	.008
08335	**08365**	**08395**	7/8"	3"	27"	.194"	.008
08339	**08369**	**08399**	1"	3"	27"	.194"	.008

***Galvanized stem wire.**



Other sizes are available upon request.

Hand Held Heavy Duty Tube Brush

Long stem, for polishing, blending, burr removal and cleaning in hard-to-reach areas.
For manual or hand applications where heavy-duty cleaning is required.



ALL ST/ST	STAINLESS STEEL	BRASS	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
05420	**05440**	**05460**	1/4"	1-1/2"	18"	.107"	.003
05421	**05441**	**05461**	3/8"	1-1/2"	18"	.125"	.003
05422	**05442**	**05462**	1/2"	2"	18"	.162"	.004
05423	**05443**	**05463**	5/8"	2"	18"	.208"	.005
05424	**05444**	**05464**	3/4"	2-1/2"	18"	.237"	.006
05425	**05445**	**05465**	7/8"	2-1/2"	18"	.237"	.006
05426	**05446**	**05466**	1"	2-1/2"	18"	.237"	.006

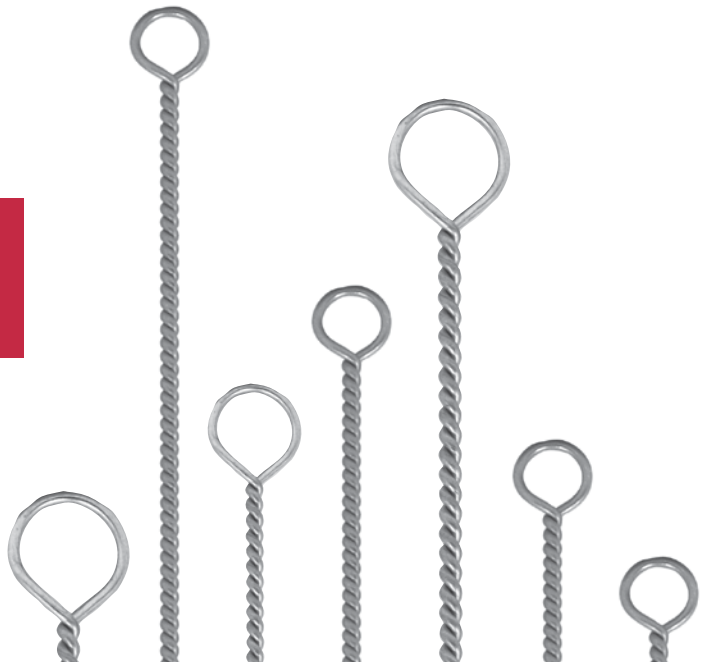
Hand Held Heavy Duty Tube Brush

For polishing, blending, burr removal and cleaning. Short stem, for manual or hand applications where heavy-duty cleaning is required.



ALL ST/ST	STAINLESS STEEL	BRASS	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FILAMENT DIAMETER
05410	**05430**	**05450**	1/4"	1-1/2"	5-1/2"	.107"	.003
05411	**05431**	**05451**	3/8"	1-1/2"	5-1/2"	.125"	.005
05412	**05432**	**05452**	1/2"	2"	5-1/2"	.162"	.006
05413	**05433**	**05453**	5/8"	2"	5-1/2"	.208"	.008
05414	**05434**	**05454**	3/4"	2-1/2"	5-1/2"	.237"	.010
05415	**05435**	**05455**	7/8"	2-1/2"	5-1/2"	.237"	.010
05416	**05436**	**05456**	1"	2-1/2"	5-1/2"	.237"	.010

Other sizes are available upon request.



Abrasive Nylon Collet Ready Brushes

Ideal for internal deburring and finishing applications, tubular component parts and drilled and tapered holes. These power tube brushes are fitted with a solid galvanized steel shank for ease of use in CNC machine tools, drill presses and manual machine tools.

CeramiX® (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	SHANK DIAMETER
34820	1/4"	180	.035	2"	8"	3/16"
34825	1/4"	120	.028	2"	8"	3/16"
34827	5/16"	180	.035	2"	8"	3/16"
34829	5/16"	120	.028	2"	8"	3/16"
34830	3/8"	180	.035	2"	8"	1/4"
34835	3/8"	120	.028	2"	8"	1/4"
34840	1/2"	180	.035	2"	8"	1/4"
34845	1/2"	120	.040	2"	8"	1/4"
34855	5/8"	120	.040	2"	8"	1/4"
34865	3/4"	120	.040	2"	8"	1/4"
34869	7/8"	120	.040	2"	8"	1/4"
34870	1"	120	.040	2"	8"	1/4"
34875	1"	80	.040	2"	8"	1/4"
34880	1-1/4"	120	.040	2"	8"	1/4"
34885	1-1/4"	80	.040	2"	8"	1/4"

Additional diameters and grits available upon request.



Other sizes are available upon request.



Abrasive Nylon Micro Twisted Brushes

Micro-abrasive tube brushes are ideal for ultra-fine deburring of internal holes produced by small diameter drilling. Light deburring and cleaning will not alter bore dimensions or surface finishes. Micro-abrasive tube brushes are used in power tools to create a side-wiping action, or used manually.



Alumina Silicate (Single stem, single spiral; cut off end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31210	.030"	1000	.008	1/2"	4"	.015"	.031"	1/32	.794
31215	.050"	1000	.008	1/2"	4"	.022"	.047"	3/64	1.191
31220	.075"	1000	.008	3/4"	4"	.033"	.063"	1/16	1.588
31225	.090"	1000	.008	3/4"	4"	.041"	.078"	5/64	1.984
31230	.105"	1000	.008	1"	4"	.041"	.094"	3/32	2.381
31235	.125"	1000	.008	1"	4"	.064"	.109"	7/64	2.778
31240	.135"	1000	.008	1"	4"	.075"	.125"	1/8	3.175
31260	.190"	1000	.008	1"	5"	.087"	.188"	3/16	4.736
31265	.215"	1000	.008	1"	5"	.087"	.203"	13/64	5.159
31275	.245"	1000	.008	1"	5"	.115"	.234"	15/64	5.953

Other sizes are available upon request.



Aluminum Oxide (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31140	.165"	600	.012	1"	5"	.087"	.156"	5/32	3.969
31150	.190"	600	.012	1"	5"	.087"	.188"	3/16	4.736
31155	.215"	600	.012	1"	5"	.087"	.203"	13/64	5.159
31170	.260"	600	.012	1"	5"	.115"	.250"	1/4	6.350
31175	.325"	600	.012	1"	5"	.115"	.313"	5/16	7.938
31180	.385"	600	.012	1"	5"	.147"	.375"	3/8	9.525
31185	.515"	600	.012	1"	5"	.168"	.500"	1/2	12.70
31190	.640"	600	.012	1"	5"	.168"	.625"	5/8	15.87
31195	.765"	600	.012	1"	5"	.221"	.750"	3/4	19.05
31200	.890"	600	.012	1"	5"	.221"	.875"	7/8	22.225
31205	1.015"	600	.012	1"	5"	.248"	1"	1	25.40

Other sizes are available upon request.

Abrasive Nylon Micro Twisted Brushes

Micro-abrasive tube brushes are ideal for ultra-fine deburring of internal holes produced by small diameter drilling. Light deburring and cleaning will not alter bore dimensions or surface finishes. Micro-abrasive tube brushes are used in power tools to create a side-wiping action, or used manually.

Silicon Carbide (Single stem, single spiral; cut off end.)



TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31040	.050"	500	.018	1/2"	4"	.022"	.047"	3/64	1.190
31045	.075"	500	.018	3/4"	4"	.033"	.063"	1/16	1.600
31050	.090"	500	.018	3/4"	4"	.041"	.078"	5/64	1.984
31055	.105"	500	.018	1"	4"	.041"	.094"	3/32	2.381
31060	.125"	500	.018	1"	4"	.064"	.109"	7/64	2.778
31065	.135"	500	.018	1"	4"	.075"	.125"	1/8	3.175
31070	.150"	500	.018	1"	4"	.075"	.141	9/64	3.572

Silicon Carbide (Single stem, single spiral; continuous end.)



TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31075	.165"	500	.018	1"	5"	.087"	.156"	5/32	3.969
31085	.190"	500	.018	1"	5"	.087"	.188"	3/16	4.736
31090	.215"	500	.018	1"	5"	.087"	.203"	13/64	5.159
31095	.230"	500	.018	1"	5"	.087"	.219"	7/32	5.556
31100	.245"	500	.018	1"	5"	.115"	.234"	15/64	5.953
31105	.260"	500	.018	1"	5"	.115"	.250"	1/4	6.35
31110	.325"	500	.018	1"	5"	.115"	.313"	5/16	7.938
31115	.385"	500	.018	1"	5"	.147"	.375"	3/8	9.525
31010	.515"	320	.022	1"	5"	.168"	.500"	1/2	12.70
31120	.515"	500	.018	1"	5"	.168"	.500"	1/2	12.70
31015	.640"	320	.022	1"	5"	.168"	.625"	5/8	15.87
31125	.640"	500	.018	1"	5"	.168"	.625"	5/8	15.87
31020	.765"	320	.022	1"	5"	.221"	.750"	3/4	19.05
31130	.765"	500	.018	1"	5"	.221"	.750"	3/4	19.05
31025	.890"	320	.022	1"	5"	.221"	.875"	7/8	22.225
31135	.890"	500	.018	1"	5"	.221"	.875"	7/8	22.225
31030	1.015"	320	.022	1"	5"	.248"	1"	1	25.40
31035	1.015"	500	.018	1"	5"	.248"	1"	1	25.40

Other sizes are available upon request.

Abrasive Nylon Tube Brushes

Abrasive nylon tube brushes are used in tubular component parts and drilled and tapered holes. Applications include internal deburring and finishing. Use in CNC machine tools, drill presses and manual machine tools.



Silicon Carbide (Double stem, single spiral; cut off end. Galvanized stem wire.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER
31490	1/4"	320	.022	2"	4"	1/8"
31505	3/8"	320	.022	2"	5"	1/8"
31520	1/2"	320	.022	2"	5"	5/32"
31530	1/2"	80	.040	2"	5"	5/32"
31540	5/8"	320	.022	2"	5"	7/32"
31550	5/8"	80	.040	2"	5"	7/32"
31565	3/4"	320	.022	2-1/2"	5-1/2"	1/4"
31575	3/4"	80	.040	2-1/2"	5-1/2"	1/4"
31585	1"	320	.022	2-1/2"	5-1/2"	1/4"
31595	1"	80	.040	2-1/2"	5-1/2"	1/4"
31625	1-1/4"	320	.022	2-1/2"	5-1/2"	1/4"
31630	1-1/4"	120	.040	2-1/2"	5-1/2"	1/4"
31635	1-1/4"	80	.040	2-1/2"	5-1/2"	1/4"
31645	1-1/2"	320	.022	2-1/2"	5-1/2"	1/4"
31650	1-1/2"	120	.040	2-1/2"	5-1/2"	1/4"
31655	1-1/2"	80	.040	2-1/2"	5-1/2"	1/4"
31670	1-3/4"	120	.040	2-1/2"	5-1/2"	1/4"
31675	1-3/4"	80	.040	2-1/2"	5-1/2"	1/4"
31685	2"	320	.022	2-1/2"	5-1/2"	1/4"
31695	2"	80	.040	2-1/2"	5-1/2"	1/4"

Additional diameters and grits available upon request.

Abrasive Nylon Burr Brushes

Abrasive burr brushes provide a high filament concentration for heavy burr removal. Burr brushes can be used in wet or dry applications and are ideal for reducing cycle times in cross-hole deburring, cleaning threads, debris removal from blocks or machined blocks, crankshaft bores and general deburring.

Silicon Carbide (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER
31290	1/4"	120	.022	1"	3-1/2"	1/8"
31295	1/4"	180	.035	1"	3-1/2"	1/8"
31297	5/16"	120	.022	1"	3-1/2"	1/8"
31300	3/8"	120	.022	1"	3-1/2"	3/16"
31305	3/8"	180	.035	1"	3-1/2"	3/16"
31310	1/2"	120	.022	1"	3-1/2"	3/16"
31315	1/2"	120	.040	1"	3-1/2"	3/16"
31320	5/8"	120	.022	1"	3-1/2"	3/16"
31325	5/8"	120	.040	1"	3-1/2"	3/16"
31330	3/4"	120	.022	1"	3-1/2"	3/16"
31335	3/4"	120	.040	1"	3-1/2"	3/16"
31337	7/8"	120	.040	1"	3-1/2"	3/16"
31340	1"	120	.022	1"	3-1/2"	1/4"
31345	1"	120	.040	1"	3-1/2"	1/4"
31347	1-1/8"	120	.040	1"	3-1/2"	1/4"

Additional diameters and grits available upon request.

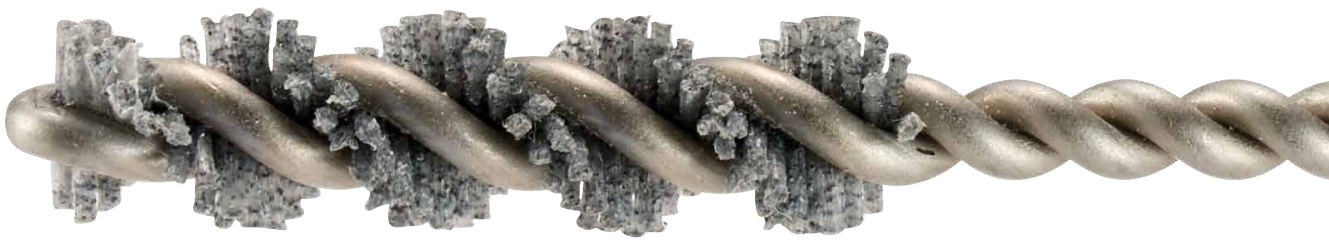


Large Stem Wire with Increased Filament Density. Silicon Carbide.

(Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER
08481	1/4"	120	.022	1-1/2"	4"	1/8"
08482	5/16"	120	.022	1-1/2"	4"	1/8"
08484	3/8"	120	.022	1-1/2"	4"	1/8"
08486	1/2"	120	.022	2"	5"	3/16"
08488	5/8"	120	.040	2"	5"	1/4"
08490	3/4"	120	.040	2-1/2"	5-1/2"	1/4"
08492	7/8"	120	.040	2-1/2"	5-1/2"	1/4"
08494	1"	120	.040	2-1/2"	5-1/2"	1/4"
08496	1-1/8"	120	.040	2-1/2"	5-1/2"	1/4"
08498	1-1/4"	120	.040	2-1/2"	5-1/2"	1/4"

Additional diameters and grits available upon request.



NEW

Bore-Hone™ Brushes

Standard-Duty Bore-Hone™ Brushes

Silicon Carbide Bore-Hone™ Brushes are used for manual or automated solutions. Bore-Hone™ Brushes improve surface finish of internal bores and cylinders. Ideal for internal deburring of machined bores and inside diameters of castings.

120 GRIT TANIS PART NO.	180 GRIT TANIS PART NO.	240 GRIT TANIS PART NO.	320 GRIT TANIS PART NO.	FOR HOLE SIZES IN INCHES	FOR HOLE SIZES IN MM	BRUSH DIA. IN MM	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	MAX. RPM
-	61000	62000	63000	0.177"	4.5 mm	5 mm	3/4"	6"	.083"	1,000
-	61002	62002	63002	0.188"	4.75 mm	5.3 mm	3/4"	6"	.083"	1,000
-	61004	62004	63004	0.197"	5 mm	5.6 mm	1-1/2"	8"	.083"	1,000
-	61006	62006	63006	0.217"	5.5 mm	6.1 mm	1-1/2"	8"	.083"	1,000
-	61008	62008	63008	0.236"	6 mm	6.7 mm	1-1/2"	8"	.098"	1,000
60010	61010	62010	63010	0.25"	6.35 mm	7.1 mm	1-1/2"	8"	.098"	1,000
60012	61012	62012	63012	0.276"	7 mm	7.8 mm	2"	8"	.098"	900
60014	61014	62014	63014	0.315"	8 mm	9 mm	2"	8"	.110"	900
60016	61016	62016	63016	0.354"	9 mm	10 mm	2"	8"	.125"	900
60018	61018	62018	63018	0.375"	9.5 mm	10.6 mm	2"	8"	.125"	900
60020	61020	62020	63020	0.394"	10 mm	11.2 mm	2"	8"	.125"	900
60022	61022	62022	63022	0.433"	11 mm	12.3 mm	2"	8"	.125"	900
60024	61024	62024	63024	0.472"	12 mm	13.5 mm	2"	8"	.142"	900
60026	61026	62026	63026	0.50"	12.7 mm	14.2 mm	2"	8"	.142"	900
60028	61028	62028	63028	0.552"	14 mm	15.7 mm	2"	8"	.142"	900
60030	61030	62030	63030	0.625"	16 mm	18 mm	2"	8"	.157"	900
60032	61032	62032	63032	0.709"	18 mm	20.2 mm	2"	8"	.157"	900
60034	61034	62034	63034	0.75"	19 mm	21.3 mm	2"	8"	.177"	900
60036	61036	62036	63036	0.787"	20 mm	22.5 mm	2"	8"	.177"	900
60038	61038	62038	63038	0.875"	22 mm	24.5 mm	2"	8"	.177"	900
60040	61040	62040	63040	0.9375"	23.8 mm	26.5 mm	3"	8"	.197"	900
60042	61042	62042	63042	1"	25.4 mm	28.5 mm	3"	8"	.213"	900
60044	61044	62044	63044	1.125"	29 mm	32.5 mm	3"	8"	.213"	800
60046	61046	62046	63046	1.25"	31.8 mm	35.6 mm	3"	8"	.224"	800
60048	61048	62048	63048	1.375"	35 mm	39.2 mm	3"	8"	.224"	800
60050	61050	62050	63050	1.50"	38 mm	42.5 mm	3"	8"	.224"	800
60052	61052	62052	63052	1.625"	41 mm	46 mm	3"	8"	.224"	800
60054	61054	62054	63054	1.75"	45 mm	50.4 mm	3"	8"	.256"	800
60056	61056	62056	63056	1.875"	47.60	54 mm	3"	8"	.256"	800
60058	61058	62058	63058	2"	51 mm	57 mm	3"	8"	.256"	700
60060	61060	62060	63060	2.125"	54 mm	60.5 mm	3"	8"	.283"	700
60062	61062	62062	63062	2.25"	57 mm	64 mm	3"	8"	.283"	700
60064	61064	62064	63064	2.375"	60 mm	67 mm	3"	8"	.283"	700
60066	61066	62066	63066	2.50"	64 mm	71.5 mm	3"	8"	.283"	700
60068	61068	62068	63068	2.625"	67 mm	75 mm	3"	8"	.283"	700
60070	61070	62070	63070	2.75"	70 mm	78 mm	3"	8"	.283"	700
60072	61072	62072	63072	2.875"	73 mm	81.5 mm	3"	8"	.322"	700
60074	61074	62074	63074	3"	76 mm	85 mm	3"	8"	.322"	700

These brushes are always to be used with a lubricant. Some common choices are water-soluble oils, mineral oils, motor oils, cutting and tapping fluids.

Heavy-Duty Bore-Hone™ Brushes

Silicon Carbide Bore-Hone™ Brushes for heavy-duty applications. Ideal for cross hatching larger engine cylinders, combustion chambers and power generation cylinders.

120 GRIT TANIS PART NO.	180 GRIT TANIS PART NO.	240 GRIT TANIS PART NO.	320 GRIT TANIS PART NO.	FOR HOLE SIZES IN INCHES	FOR HOLE SIZES IN MM	BRUSH DIA. IN MM	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	MAX. RPM
64000	65000	66000	67000	3"	76 mm	85 mm	5-1/2"	13-1/2"	.299"	700
64002	65002	66002	67002	3-1/4"	83 mm	93 mm	5-1/2"	13-1/2"	.299"	700
64004	65004	66004	67004	3-1/2"	89 mm	99.5 mm	5-1/2"	13-1/2"	.315"	700
64006	65006	66006	67006	3-3/4"	95 mm	106.5 mm	5-1/2"	13-1/2"	.315"	700
64008	65008	66008	67008	4"	101 mm	113 mm	5-1/2"	13-1/2"	.346"	600
64010	65010	66010	67010	4-1/4"	108 mm	121 mm	5-1/2"	13-1/2"	.346"	600
64012	65012	66012	67012	4-1/2"	114 mm	127.5 mm	5-1/2"	13-1/2"	.346"	600
64014	65014	66014	67014	5"	127 mm	142 mm	6-1/2"	18"	.346"	600
64016	65016	66016	67016	5-1/2"	140 mm	157 mm	6-1/2"	18"	.402"	600
64018	65018	66018	67018	6"	152 mm	170 mm	6-1/2"	18"	.402"	600
64020	65020	66020	67020	6-1/2"	165 mm	184.5 mm	6-1/2"	18"	.402"	600
64022	65022	66022	67022	7"	178 mm	199.5 mm	6-1/2"	18"	.402"	600
64024	65024	66024	67024	7-1/2"	190 mm	213 mm	6-1/2"	18"	.402"	600
64026	65026	66026	67026	8"	203 mm	227.5 mm	6-1/2"	18"	.402"	600

These brushes are always to be used with a lubricant. Some common choices are water-soluble oils, mineral oils, motor oils, cutting and tapping fluids.



STANDARD-DUTY & HEAVY-DUTY

APPLICATIONS

- Cross Hole Deburring
- Deburring Internal Bores and Cylinders
- Surface Finishing
- Deglazing Cylinder Walls

INDUSTRIES

- Automotive
- Aerospace
- Marine
- Oil and Gas
- Tube, Pump and Valve Production
- Military
- Firearms

BENEFITS

- Improves Oil Retention by Creating Cross-hatch Patterns
- Better Part Efficiency
- The Flexible Nylon Stems Help the Brush Distribute Pressure Evenly; Creating the Perfect Hone
- Improve Internal Surface Finish with Resilient, Flexible Bore-Hone™

Hand Held Tube Cleaning Brushes

For manual or hand cleaning applications. Ideal for industrial cleaning.



Cut Off Tip (Black nylon filament; galvanized stem wire.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILAMENT DIAMETER
06161	3/16"	2-1/4"	6-3/4"	.005
06030	1/4"	2"	6-1/4"	.008
06162	1/4"	2-1/4"	6-3/4"	.006
06163	1/4"	2-1/2"	10"	.008
06100	1/4"	4"	26"	.006
06164	5/16"	2-1/2"	12"	.008
06031	3/8"	2"	6-1/4"	.008
06101	3/8"	4"	26"	.008
06700	1/2"	1-1/2"	7-1/2"	.010
06165	1/2"	3"	8-1/2"	.010
06032	1/2"	3"	8-1/2"	.012
06166	1/2"	4"	24"	.008
06102	1/2"	4"	26"	.010
06167	5/8"	4"	12"	.008
06168	5/8"	4"	24"	.008
06133	3/4"	3"	8-1/2"	.006
06033	3/4"	3"	8-1/2"	.012
06169	3/4"	4"	12"	.008
06170	3/4"	4"	34"	.014
06171	7/8"	4"	16"	.020
06034	1"	4"	12-1/4"	.014
06172	1"	4"	24"	.016
06173	1-1/4"	4"	12"	.020
06035	1-1/4"	4"	13"	.014
06036	1-1/2"	4"	13"	.014
06174	1-1/2"	4"	24"	.020
06037	2"	5"	16-3/4"	.014
06175	2"	4"	24"	.020

Other sizes are available upon request.

Cut Off Tip (Horse hair filament; galvanized stem wire.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH
06005	1/4"	2"	6-1/4"
06680	1/4"	4"	26"
06081	5/16"	1-1/2"	9"
06006	3/8"	2"	6-1/4"
06681	3/8"	4"	26"
06007	1/2"	3"	8-1/2"
06682	1/2"	4"	26"
06083	3/4"	3"	8-3/4"
06085	1"	4"	12-1/4"
06086	1-1/4"	4"	13"
06011	2"	5"	16"

Other sizes are available upon request.

Hand Held Tube Cleaning Brushes

For internal cleaning in industrial, laboratory and food service industries. Brushes are made with single-stem, single-spiral construction.

Cut Off Tip (Nylon and horse hair with long handle; galvanized stem wire.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILAMENT DIAMETER
06688	1/2"	4-1/2"	42"	.010 Black Nylon
06689	3/4"	4-1/2"	42"	.008 Black Nylon
06690	1/2"	4-1/2"	42"	Horse Hair
06082	3/4"	4-1/2"	42"	Horse Hair
06691	5/8"	4-1/2"	42"	Horse Hair
06692	5/8"	4-1/2"	42"	.012 Black Nylon
06693	1"	4-1/2"	40-1/2"	Horse Hair
06694	1"	4-1/2"	40-1/2"	.014 Black Nylon
06695	1-1/4"	4-1/2"	40-1/2"	.010 Black Nylon
06706	1-1/4"	4-1/2"	40-1/2"	Horse Hair
06708	1-1/2"	4-1/2"	40-1/2"	Horse Hair
06697	1-1/2"	4-1/2"	40-1/2"	.014 Black Nylon
06696	2"	4-1/2"	40-1/2"	Horse Hair
06698	2"	4-1/2"	40-1/2"	.016 Black Nylon

Cut Off Tip (Nylon and horse hair with tapered brush diameters; galvanized stem wire.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILAMENT DIAMETER
06705	3/4" - 1-1/4"	5"	12"	Horse Hair
06710	3/4" - 1-1/4"	5"	12"	.010 Black Nylon

Other sizes are available upon request.





Laboratory Brushes

For cleaning glass or plastic test tubes, centrifuge tubes, flasks, graduated cylinders, beakers, containers, burets, pipettes, vials, carboys and bottles. Select from a variety of brushes to clean laboratory equipment.



Centrifuge Brush (Natural bristle with black nylon tuft.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06135	1" - 1-3/4"	3"	9"	Natural Bristle
06136	3/4" - 1-1/2"	4-1/2"	12"	Natural Bristle



Pipette Brush (Natural nylon.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06158	1/4" - 3/4"	7-1/2"	17"	.006 Natural Nylon



Babcock Milk Bottle Brush (Black bristle with fan tip.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06143	1-1/2" - 1/4"	3-1/4"	9"	Black Bristle



Volumetric Flask Brush (Natural bristle with plastic handle.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06184	1-3/8"	3-1/2"	12"	Natural Bristle
06185	1-1/2"	4"	14"	Natural Bristle
06186	1-3/4"	5"	17"	Natural Bristle

Laboratory Brushes

For cleaning glass or plastic test tubes, centrifuge tubes, flasks, graduated cylinders, beakers, containers, burets, pipettes, vials, carboys and bottles. Select from a variety of brushes to clean laboratory equipment.

Beaker, Jar and Cylinder Brush (Black bristle with tufted end.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06179	2-3/8"	6" (2 rows)	16"	Black Bristle
***06180**	3"	6" (4 rows)	16"	Black Bristle

***No tufted end.**



Graduate, Cylinder or Funnel Brush (Black bristle with double tufted end.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06149	2-1/2"	4-1/2"	9"	Black Bristle
06148	2-1/2	6"	13"	Black Bristle



Beaker Brush (Nylon and horse hair.)

Filling materials are tightly wound onto spiral grooves with rust-resistant wire. Brush head has 1" diameter tuft at tip.

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06181	2-1/2"	6"	16"	Black Nylon
06182	3"	6"	16"	Horse Hair
06183	2-3/8 - 2-7/8"	6"	16"	White Nylon



Flask or Nurse Bottle Brush (Black bristle with double tufted end.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06187	1-1/2"	4-1/2"	12"	Black Bristle
06188	1-3/4"	4-1/2"	16"	Black Bristle



Laboratory Brushes

For cleaning glass or plastic test tubes, centrifuge tubes, flasks, graduated cylinders, beakers, containers, burets, pipettes, vials, carboys and bottles. Select from a variety of brushes to clean laboratory equipment.



Test Tube Brush (White bristle or black nylon with nylon tied tip.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06108	3/4"	3"	9"	White Bristle
06146	1-1/2"	4-3/4"	12"	.010 Black Nylon
06147	2-3/8"	5-1/4"	20"	.016 Black Nylon



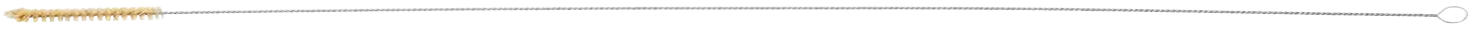
Test Tube Brush (Natural bristle with sponge end.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06134	1/2"	3-1/4"	6-1/4"	Natural Bristle



Test Tube Brush (White nylon with fan tip.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
901767	3/8" - 1/2"	3"	7"	.006 White Nylon



06177

Burette Brush (Natural bristle with fan tip.)

TANIS PART NO.	BRUSH DIAMETER	BRUSH LENGTH	OVERALL LENGTH	FILL MATERIAL
06177	1/2"	3-1/4"	30"	Natural Bristle
06176	3/4"	3-1/4"	36"	Natural Bristle
06178	1-1/4"	5-1/4"	36"	Natural Bristle



STRIP

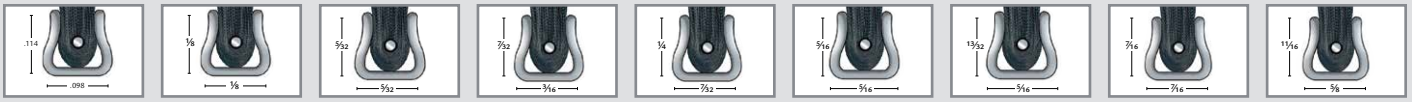
BRUSHES

CONFIGURATOR

Metal Back Strip Brushes



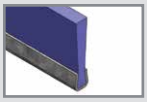
BACKING*



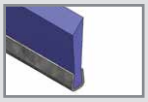
2 | 2½ | 3 | 4 | 5 | 7 | 8 | 10 | 16

*Nominal size. See page 36.

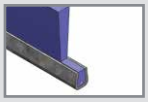
TYPES



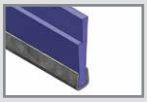
FLAT



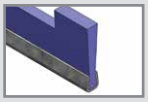
BEVEL



SHAVED END



OFFSET

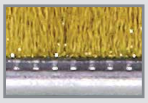


STEPPED

BACKING MATERIAL



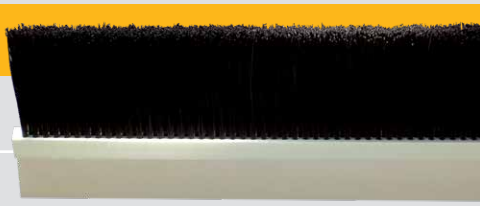
GALVANIZED



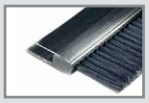
STAINLESS STEEL

Flexible Brushes | Rigid Brushes

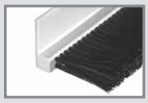




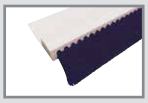
TYPES



SINGLE ROW

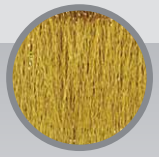


DOUBLE ROW

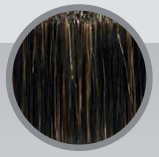


TRIPLE ROW

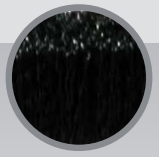
FILAMENT OPTIONS



Brass



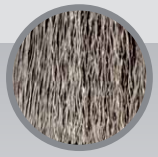
Horse Hair



Nylon

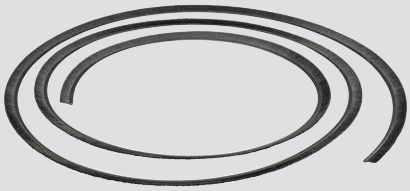


PFA



Stainless Steel

Fuze Flex™ Strip Brush



The Fuze Flex™ is the newest technology in brush seal. Lightweight and ultra-flexible, it is ideal for contours and curves. Available in Polypropylene and Nylon.

To order a brush, visit www.tanisbrush.com/request-quote or call Customer Service at (262) 646-9000.

Shapes and Construction

Prior to coiling the brush, a metal back strip brush is made first. Strip brushes consist of densely compressed synthetic, natural bristles or wire filaments laid down over a continuous metal channel formed into a “U” shape. A binding wire is inserted over the filament materials and forced down into the partially formed metal backing. The binding wire causes the fill material to form vertically as the metal backing forms and closes over the binding wire and filament.

Internal Ring



An internal ring is manufactured by forming a metal back strip brush with the filament material to the inside. The ring can be sprung open to place over a shaft or split in halves or segments to be mounted over a shaft. Ideally used for cleaning the outside surfaces of plastic or metal tubing and rod or used for drum and shaft seals. In high temperature applications, wire filament is recommended.

External Ring



External rings are metal back strip brushes wound with the filament to the outside. They are used as individual rings or mounted together to make a wide brush face. They are used in various cleaning and polishing applications.

Formed Cup



A metal back strip brush is formed into a 360 degree circle or segments of a full circle. The backing sides can be formed vertical or at various angles. Generally used for vacuum hose seals, router enclosures for dust and particle collection on drill presses.

Formed Strip

The metal back strip brush can be formed into irregular shapes. With a range of configurations, strip brushes can be formed into ovals, squares, rectangles, “L” and “V” shapes and compound curves. Formed to meet many shapes and applications.



Straight Strip



The most economical and common manufacturing shape for metal back strip brushes. Brushes are used individually or mounted parallel on a flat surface for a wider brush face. Applications include window seals, door and dock leveler seals, air flow seals, cable management, engine seals, conveyor cleaning, splash curtains, machine guards, static control, transportation vehicle seals and cleaning glass.

Coiled



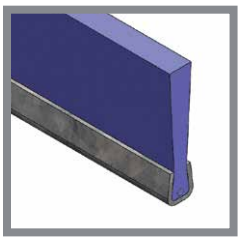
Metal back strip brushes are manufactured into free or loose coils by winding them onto a mandrel or free coiling them. They can be produced as internal or external coils depending on the application and can be made with a close wound, tight coil making an extremely dense brush face or an open wound, loose coil with a lead producing less density in the brush face. Coils are manufactured to replace an existing coil on installed equipment or mounted onto a shaft or tube as a cylinder or rotary brush. Applications include conveyor cleaning, glass washing, vegetable and fruit washing, sheet metal polishing, cleaning trammel screens and used as an auger or screw to move product in a given direction.

Cylinder or Rotary

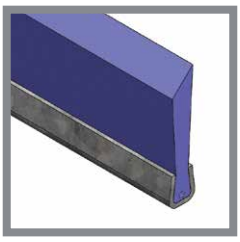


A metal back strip brush is attached and wound directly to a core, shaft or tube. The coil is wound under tension onto a core, shaft or tube for secure mounting, or free coiled and then assembled to the core. A coil can be close or open wound depending on the desired brush density. Dynamic balancing is provided, if required, to assure complete surface contact regardless of the brush size and speed of the brush. Brushes are generally used in conveyor cleaning, glass washing, vegetable and fruit washing, sheet metal polishing, cleaning trammel screens and used as an auger or screw to move product in a given direction.

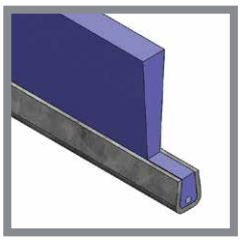
STRIP BRUSHES



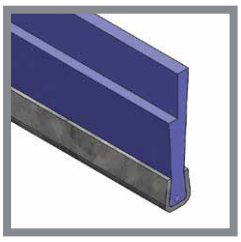
Flat
Standard and most common trim as manufactured.



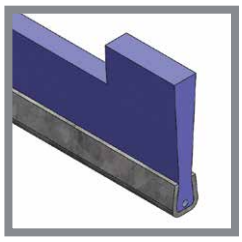
Bevel
Reduces brush resistance and conforms to surface being brushed.



Shaved End
Made to utilize ends of strip as holding area.

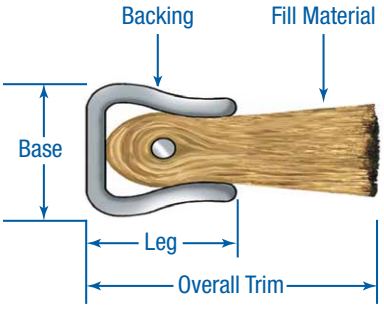


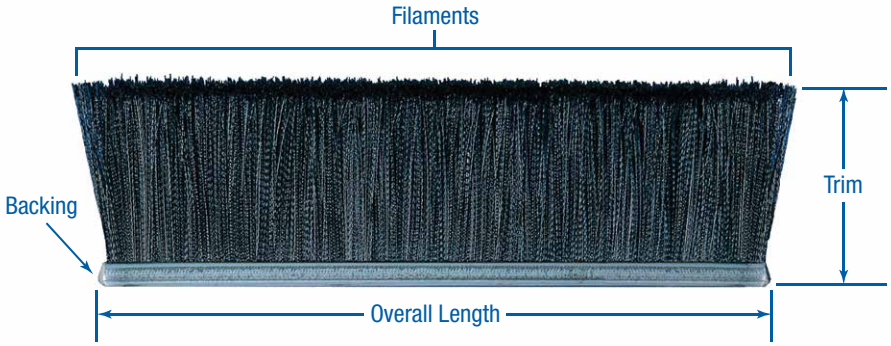
Offset
Less density at surface with back-up support.



Stepped
Uniform brush contact for brushing irregular or uneven surfaces.

Strip Brush Terminology





BACKING			STANDARD FORMED DIMENSIONS		OVERALL TRIM		SYNTHETIC FILL SIZE RANGE	WIRE FILL SIZE RANGE
SIZE #	THICKNESS (IN)		BASE (IN) +/- .010	LEG (IN) +/- .015	MINIMUM (IN) +/- .032	MAXIMUM (IN) +/- .032	LEVEL OR CRIMPED (IN)	LEVEL OR CRIMPED (IN)
	GALV	STST						
2	.018	.018	.098	.114	.313	6.00	.003 - .012	–
2.5	.024	.018	.125	.125	.313	6.00	.003 - .020	.003 - .010
3	.022	.018	.150	.160	.313	6.00	.003 - .024	.003 - .010
4	.030	.025	.194	.205	.375	8.00	.003 - .030	.003 - .010
5	.035	.035	.240	.250	.500	8.00	.003 - .045	–
7	.040	.040	.310	.340	.625	12.00	.003 - .120	.003 - .014
8	.048	.040	.340	.402	.875	12.00	.003 - .120	–
10	.048	.045	.440	.473	1.00	16.00	.003 - .120	.010 - .020
16	.050	.050	.625	.689	5.00	16.00	.003 - .120	–

HOLDER OPTIONS

We offer strip brush holders for our metal back strip brushes in extruded aluminum for #2½, #3, #4, #7 and #10 backing sizes, and in formed stainless steel in #4 and #7 backing sizes. A flexible PVC holder is also available for #2½ backing size. The holders are produced with a variety of profile shapes for straight and angled mounting. The different profile shapes ensure the brush is mounted at an optimal position for maximum surface contact and effectiveness.

We stock aluminum holders with clear anodized finishes. The anodized finish provides the aluminum with a naturally protective coating, strengthening the durability and extending the life of the brush holder.

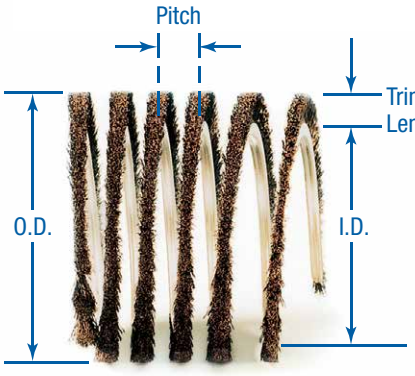
For our stapled set line, the all-in-one designs conveniently include holders, which are available in two styles: Clip Style and h-Profile. The integrated Clip Style backing makes placing and moving the brush fast and easy. The integrated h-Profile allows for quick and easy mounting without needing to purchase a separate holder. We stock flexible PVC holders in Clip Style and h-Profile to match with our new Fuze Flex™ Strip Brushes.



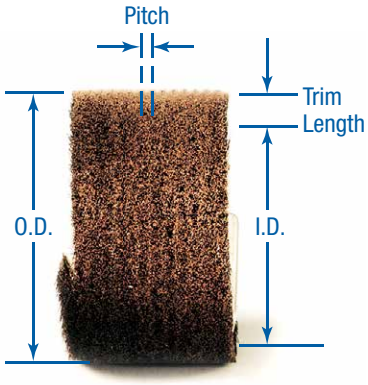
Metal Back Strip Attachment to Core, Shaft or Tube

After the straight metal back strip brush is formed, the strip is attached to the core, shaft or tube and wound under tension to make the coil cylinder brush. We are able to wind the strip right or left handed at the desired pitch to determine the brush density. Strips can be wound in either an open wound or close wound pitch shown below.





Open Wound Pitch
for a less dense brush



Close Wound Pitch
for a full brush

ASSEMBLED COILS

A finished coil can be assembled to a core, shaft, tube, or free coiled for mounting to the customers shaft in the field. Assembled coils can be tack welded or attached with an alligator clip to the core, shaft or tube. A larger winding pitch provides a less dense brush and conforms better to the surface being brushed. The photos above illustrate a loose or free coil and an assembled coil brush construction.



Tack Weld



Alligator Clip

Stapled Set Tufted Cylinder and Circular Brushes

Stapled brushes consist of a series of individual tufts of fill material inserted into a bored hole in a solid block of wood or plastic. The tufts of fill material are secured to the block by a wire staple. Stapled set brushes are made with a variety of hole or tuft patterns to obtain the desired brush density and brushing effect. Hole patterns can be made with virtually any brush pattern. See the pictures below illustrating the different brush densities and hole patterns.

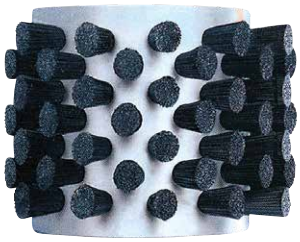
As with coil wound cylinder brushes, stapled set brushes can be made with similar core constructions. The plastic or wood core can be press fit to a shaft, made with collars to accept customer's shaft, made with stub ends or ends can be machined and inserted into ends of core. Steel or aluminum tubing can be press fit into the inside diameter of the tube for mounting collars and added support. Bearings can be press fit into circular brushes.

Core material is generally made of a hard wood or plastic. Most common types of plastics used are PVC, delrin, high-density polyethylene, UHMW, ABS or polypropylene.

BRUSH FILL DENSITIES



Low Fill Density

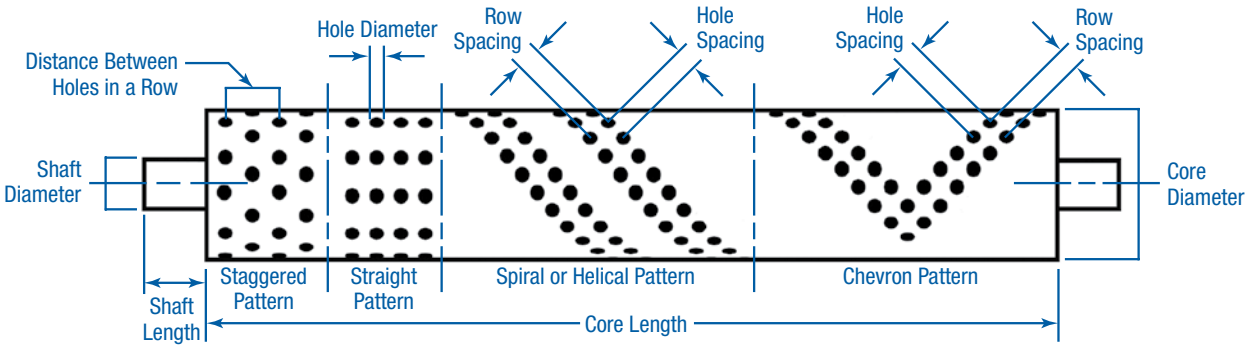


Medium Fill Density



High Fill Density

Brush Fill Terminology



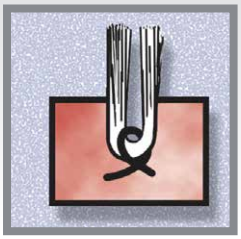
STAPLE CONSTRUCTION

Stapling provides consistent product quality and reliability. The versatility and economy of stapling makes stapled set cylinder and circular brushes ideal for a wide variety of applications and industries. The staple, as shown in the illustrations at right, is a primary part of the brush. A staple is made either of steel, stainless steel or brass. The type of staple used is predicated by the environment and conditions the brush will be performing under.

Straight
Most commonly used. Typical hole size of 3/32" or more.



Crossover
For greater tuft retention. Typical hole size of 3/32" or more.





2½

Nominal size.
See page 36.

Nylon Fill/Galvanized Backing



TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB250036	#2-1/2	3/4"	36"	.006 Crimped Black Nylon
MB250072	#2-1/2	3/4"	72"	.006 Crimped Black Nylon
MB250096	#2-1/2	3/4"	96"	.006 Crimped Black Nylon
MB250236	#2-1/2	1"	36"	.008 Crimped Black Nylon
MB250272	#2-1/2	1"	72"	.008 Crimped Black Nylon
MB250296	#2-1/2	1"	96"	.008 Crimped Black Nylon
MB250436	#2-1/2	2"	36"	.010 Crimped Black Nylon
MB250472	#2-1/2	2"	72"	.010 Crimped Black Nylon
MB250496	#2-1/2	2"	96"	.010 Crimped Black Nylon
MB250636	#2-1/2	3"	36"	.012 Crimped Black Nylon
MB250672	#2-1/2	3"	72"	.012 Crimped Black Nylon
MB250696	#2-1/2	3"	96"	.012 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Nylon Fill/Stainless Steel Backing



TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB252036	#2-1/2	3/4"	36"	.006 Crimped Black Nylon
MB252072	#2-1/2	3/4"	72"	.006 Crimped Black Nylon
MB252096	#2-1/2	3/4"	96"	.006 Crimped Black Nylon
MB252236	#2-1/2	1"	36"	.008 Crimped Black Nylon
MB252272	#2-1/2	1"	72"	.008 Crimped Black Nylon
MB252296	#2-1/2	1"	96"	.008 Crimped Black Nylon
MB252436	#2-1/2	2"	36"	.010 Crimped Black Nylon
MB252472	#2-1/2	2"	72"	.010 Crimped Black Nylon
MB252496	#2-1/2	2"	96"	.010 Crimped Black Nylon
MB252636	#2-1/2	3"	36"	.012 Crimped Black Nylon
MB252672	#2-1/2	3"	72"	.012 Crimped Black Nylon
MB252696	#2-1/2	3"	96"	.012 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Nylon Fill/Galvanized Backing





4

Nominal size.
See page 36.

TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB400036	#4	1"	36"	.010 Crimped Black Nylon
MB400072	#4	1"	72"	.010 Crimped Black Nylon
MB400096	#4	1"	96"	.010 Crimped Black Nylon
MB400236	#4	2"	36"	.010 Crimped Black Nylon
MB400272	#4	2"	72"	.010 Crimped Black Nylon
MB400296	#4	2"	96"	.010 Crimped Black Nylon
MB400436	#4	2"	36"	.014 Crimped Black Nylon
MB400472	#4	2"	72"	.014 Crimped Black Nylon
MB400496	#4	2"	96"	.014 Crimped Black Nylon
MB400636	#4	3"	36"	.014 Crimped Black Nylon
MB400672	#4	3"	72"	.014 Crimped Black Nylon
MB400696	#4	3"	96"	.014 Crimped Black Nylon
MB400836	#4	4"	36"	.014 Crimped Black Nylon
MB400872	#4	4"	72"	.014 Crimped Black Nylon
MB400896	#4	4"	96"	.014 Crimped Black Nylon
MB401036	#4	6"	36"	.014 Crimped Black Nylon
MB401072	#4	6"	72"	.014 Crimped Black Nylon
MB401096	#4	6"	96"	.014 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Nylon Fill/Stainless Steel Backing



TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB402036	#4	1"	36"	.010 Crimped Black Nylon
MB402072	#4	1"	72"	.010 Crimped Black Nylon
MB402096	#4	1"	96"	.010 Crimped Black Nylon
MB402436	#4	2"	36"	.014 Crimped Black Nylon
MB402472	#4	2"	72"	.014 Crimped Black Nylon
MB402496	#4	2"	96"	.014 Crimped Black Nylon
MB402636	#4	3"	36"	.014 Crimped Black Nylon
MB402672	#4	3"	72"	.014 Crimped Black Nylon
MB402696	#4	3"	96"	.014 Crimped Black Nylon
MB402836	#4	4"	36"	.014 Crimped Black Nylon
MB402872	#4	4"	72"	.014 Crimped Black Nylon
MB402896	#4	4"	96"	.014 Crimped Black Nylon
MB403036	#4	6"	36"	.014 Crimped Black Nylon
MB403072	#4	6"	72"	.014 Crimped Black Nylon
MB403096	#4	6"	96"	.014 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.



7

Nominal size.
See page 36.

Nylon Fill/Galvanized Backing



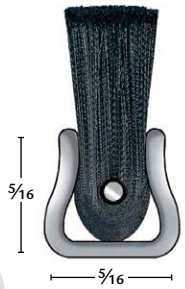
TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB700036	#7	1"	36"	.010 Crimped Black Nylon
MB700072	#7	1"	72"	.010 Crimped Black Nylon
MB700096	#7	1"	96"	.010 Crimped Black Nylon
MB700236	#7	2"	36"	.014 Crimped Black Nylon
MB700272	#7	2"	72"	.014 Crimped Black Nylon
MB700296	#7	2"	96"	.014 Crimped Black Nylon
MB700436	#7	2"	36"	.020 Crimped Black Nylon
MB700472	#7	2"	72"	.020 Crimped Black Nylon
MB700496	#7	2"	96"	.020 Crimped Black Nylon
MB700636	#7	3"	36"	.014 Crimped Black Nylon
MB700672	#7	3"	72"	.014 Crimped Black Nylon
MB700696	#7	3"	96"	.014 Crimped Black Nylon
MB700836	#7	3"	36"	.020 Crimped Black Nylon
MB700872	#7	3"	72"	.020 Crimped Black Nylon
MB700896	#7	3"	96"	.020 Crimped Black Nylon
MB701036	#7	3"	36"	.030 Crimped Black Nylon
MB701072	#7	3"	72"	.030 Crimped Black Nylon
MB701096	#7	3"	96"	.030 Crimped Black Nylon
MB701236	#7	4"	36"	.020 Crimped Black Nylon
MB701272	#7	4"	72"	.030 Crimped Black Nylon
MB701296	#7	4"	96"	.020 Crimped Black Nylon
MB701436	#7	4"	36"	.030 Crimped Black Nylon
MB701472	#7	4"	72"	.030 Crimped Black Nylon
MB701496	#7	4"	96"	.030 Crimped Black Nylon
MB701636	#7	6"	36"	.020 Crimped Black Nylon
MB701672	#7	6"	72"	.020 Crimped Black Nylon
MB701696	#7	6"	96"	.020 Crimped Black Nylon
MB701736	#7	6"	36"	.045 Crimped Black Nylon
MB701772	#7	6"	72"	.045 Crimped Black Nylon
MB701796	#7	6"	96"	.045 Crimped Black Nylon
MB701836	#7	8"	36"	.045 Crimped Black Nylon
MB701872	#7	8"	72"	.045 Crimped Black Nylon
MB701896	#7	8"	96"	.045 Crimped Black Nylon
MB701936	#7	10"	36"	.045 Crimped Black Nylon
MB701972	#7	10"	72"	.045 Crimped Black Nylon
MB701996	#7	10"	96"	.045 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Nylon Fill/Stainless Steel Backing



7



Nominal size.
See page 36.

TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB702036	#7	1"	36"	.010 Crimped Black Nylon
MB702072	#7	1"	72"	.010 Crimped Black Nylon
MB702096	#7	1"	96"	.010 Crimped Black Nylon
MB702236	#7	2"	36"	.014 Crimped Black Nylon
MB702272	#7	2"	72"	.014 Crimped Black Nylon
MB702296	#7	2"	96"	.014 Crimped Black Nylon
MB702436	#7	2"	36"	.020 Crimped Black Nylon
MB702472	#7	2"	72"	.020 Crimped Black Nylon
MB702496	#7	2"	96"	.020 Crimped Black Nylon
MB702636	#7	3"	36"	.014 Crimped Black Nylon
MB702672	#7	3"	72"	.014 Crimped Black Nylon
MB702696	#7	3"	96"	.014 Crimped Black Nylon
MB702836	#7	3"	36"	.020 Crimped Black Nylon
MB702872	#7	3"	72"	.020 Crimped Black Nylon
MB702896	#7	3"	96"	.020 Crimped Black Nylon
MB703036	#7	3"	36"	.030 Crimped Black Nylon
MB703072	#7	3"	72"	.030 Crimped Black Nylon
MB703096	#7	3"	96"	.030 Crimped Black Nylon
MB703236	#7	4"	36"	.020 Crimped Black Nylon
MB703272	#7	4"	72"	.020 Crimped Black Nylon
MB703296	#7	4"	96"	.020 Crimped Black Nylon
MB703436	#7	4"	36"	.030 Crimped Black Nylon
MB703472	#7	4"	72"	.030 Crimped Black Nylon
MB703496	#7	4"	96"	.030 Crimped Black Nylon
MB703636	#7	6"	36"	.020 Crimped Black Nylon
MB703672	#7	6"	72"	.020 Crimped Black Nylon
MB703696	#7	6"	96"	.020 Crimped Black Nylon
MB703736	#7	6"	36"	.045 Crimped Black Nylon
MB703772	#7	6"	72"	.045 Crimped Black Nylon
MB703796	#7	6"	96"	.045 Crimped Black Nylon
MB703836	#7	8"	36"	.045 Crimped Black Nylon
MB703872	#7	8"	72"	.045 Crimped Black Nylon
MB703896	#7	8"	96"	.045 Crimped Black Nylon
MB703936	#7	10"	36"	.045 Crimped Black Nylon
MB703972	#7	10"	72"	.045 Crimped Black Nylon
MB703996	#7	10"	96"	.045 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.



10

Nominal size.
See page 36.

Nylon Fill/Galvanized Backing



TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB100036	#10	2"	36"	.014 Crimped Black Nylon
MB100072	#10	2"	72"	.014 Crimped Black Nylon
MB100096	#10	2"	96"	.014 Crimped Black Nylon
MB100236	#10	3"	36"	.020 Crimped Black Nylon
MB100272	#10	3"	72"	.020 Crimped Black Nylon
MB100296	#10	3"	96"	.020 Crimped Black Nylon
MB100436	#10	4"	36"	.020 Crimped Black Nylon
MB100472	#10	4"	72"	.020 Crimped Black Nylon
MB100496	#10	4"	96"	.020 Crimped Black Nylon
MB100636	#10	5"	36"	.030 Crimped Black Nylon
MB100672	#10	5"	72"	.030 Crimped Black Nylon
MB100696	#10	5"	96"	.030 Crimped Black Nylon
MB100836	#10	6"	36"	.045 Crimped Black Nylon
MB100872	#10	6"	72"	.045 Crimped Black Nylon
MB100896	#10	6"	96"	.045 Crimped Black Nylon
MB101036	#10	8"	36"	.045 Crimped Black Nylon
MB101072	#10	8"	72"	.045 Crimped Black Nylon
MB101096	#10	8"	96"	.045 Crimped Black Nylon
MB101236	#10	10"	36"	.045 Crimped Black Nylon
MB101272	#10	10"	72"	.045 Crimped Black Nylon
MB101296	#10	10"	96"	.045 Crimped Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Horse Hair Fill/Galvanized Backing



4



Nominal size.
See page 36.

7



Nominal size.
See page 36.

TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB409036-BG	#4	1"	36"	Horse Hair
MB409072-BG	#4	1"	72"	Horse Hair
MB409096-BG	#4	1"	96"	Horse Hair
MB409236-BG	#4	2"	36"	Horse Hair
MB409272-BG	#4	2"	72"	Horse Hair
MB409296-BG	#4	2"	96"	Horse Hair
MB409436-BG	#4	3"	36"	Horse Hair
MB409472-BG	#4	3"	72"	Horse Hair
MB409496-BG	#4	3"	96"	Horse Hair
MB709036-BG	#7	1"	36"	Horse Hair
MB709072-BG	#7	1"	72"	Horse Hair
MB709096-BG	#7	1"	96"	Horse Hair
MB709236-BG	#7	2"	36"	Horse Hair
MB709272-BG	#7	2"	72"	Horse Hair
MB709296-BG	#7	2"	96"	Horse Hair
MB709436-BG	#7	3"	36"	Horse Hair
MB709472-BG	#7	3"	72"	Horse Hair
MB709496-BG	#7	3"	96"	Horse Hair

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

PFA Fill/Galvanized Backing



7



Nominal size.
See page 36.

TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB710036	#7	1"	36"	.035 PFA
MB710072	#7	1"	72"	.035 PFA
MB710096	#7	1"	96"	.035 PFA
MB710236	#7	2"	36"	.035 PFA
MB710272	#7	2"	72"	.035 PFA
MB710296	#7	2"	96"	.035 PFA
MB710436	#7	3"	36"	.035 PFA
MB710472	#7	3"	72"	.035 PFA
MB710496	#7	3"	96"	.035 PFA



4

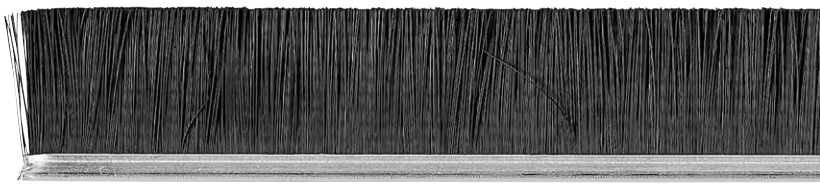
Nominal size.
See page 36.



7

Nominal size.
See page 36.

Antistatic Nylon/ Galvanized Backing



TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB440236	#4	1"	36"	.008 Level Black Anti-Static Nylon
MB440272	#4	1"	72"	.008 Level Black Anti-Static Nylon
MB440296	#4	1"	96"	.008 Level Black Anti-Static Nylon
MB440436	#4	2"	36"	.012 Level Black Anti-Static Nylon
MB440472	#4	2"	72"	.012 Level Black Anti-Static Nylon
MB440496	#4	2"	96"	.012 Level Black Anti-Static Nylon
MB440636	#4	3"	36"	.020 Level Black Anti-Static Nylon
MB440672	#4	3"	72"	.020 Level Black Anti-Static Nylon
MB440696	#4	3"	96"	.020 Level Black Anti-Static Nylon
MB740236	#7	1"	36"	.008 Level Black Anti-Static Nylon
MB740272	#7	1"	72"	.008 Level Black Anti-Static Nylon
MB740296	#7	1"	96"	.008 Level Black Anti-Static Nylon
MB740436	#7	2"	36"	.012 Level Black Anti-Static Nylon
MB740472	#7	2"	72"	.012 Level Black Anti-Static Nylon
MB740496	#7	2"	96"	.012 Level Black Anti-Static Nylon
MB740636	#7	3"	36"	.020 Level Black Anti-Static Nylon
MB740672	#7	3"	72"	.020 Level Black Anti-Static Nylon
MB740696	#7	3"	96"	.020 Level Black Anti-Static Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Natural Polyester/ Stainless Steel Backing



#4



Nominal size. See page 36.

#7



Nominal size. See page 36.

Food Grade Brushes

TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB460236	#4	1"	36"	.008 Crimped Natural Polyester
MB460272	#4	1"	72"	.008 Crimped Natural Polyester
MB460296	#4	1"	96"	.008 Crimped Natural Polyester
MB460436	#4	2"	36"	.012 Crimped Natural Polyester
MB460472	#4	2"	72"	.012 Crimped Natural Polyester
MB460496	#4	2"	96"	.012 Crimped Natural Polyester
MB460636	#4	3"	36"	.020 Crimped Natural Polyester
MB460672	#4	3"	72"	.020 Crimped Natural Polyester
MB460696	#4	3"	96"	.020 Crimped Natural Polyester
MB760236	#7	1"	36"	.008 Crimped Natural Polyester
MB760272	#7	1"	72"	.008 Crimped Natural Polyester
MB760296	#7	1"	96"	.008 Crimped Natural Polyester
MB760436	#7	2"	36"	.012 Crimped Natural Polyester
MB760472	#7	2"	72"	.012 Crimped Natural Polyester
MB760496	#7	2"	96"	.012 Crimped Natural Polyester
MB760636	#7	3"	36"	.020 Crimped Natural Polyester
MB760672	#7	3"	72"	.020 Crimped Natural Polyester
MB760696	#7	3"	96"	.020 Crimped Natural Polyester

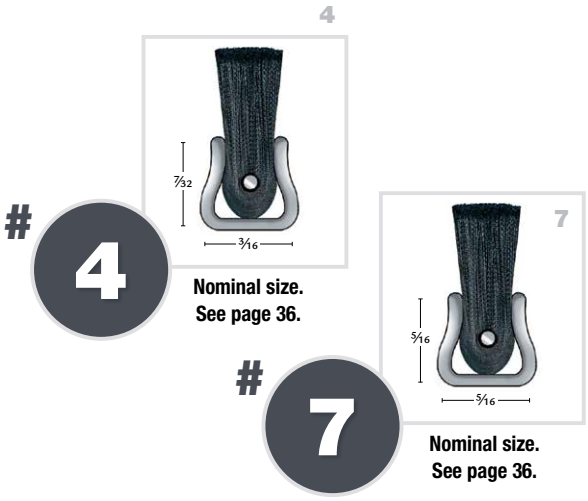
Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

UL94 VO Rated/ Galvanized Backing

Tanis offers flame retardant filament in our strip brushes. Give us a call for more information.



Inserted Membrane/ Galvanized Backing





TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB420096	#4	2"	96"	.014 Level Black Nylon
MB421096	#4	3"	96"	.014 Level Black Nylon
MB720096	#7	2"	96"	.014 Level Black Nylon
MB721096	#7	3"	96"	.014 Level Black Nylon

Other trim lengths, overall lengths, fill material and backing sizes are available upon request. Stainless steel backing is also available.

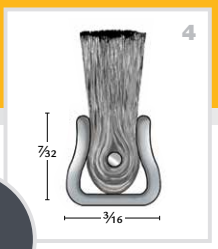


Tanis' Inserted Membrane strip brush creates a barrier, preventing fluids, air flow, and any unwanted substances from passing through.

Stainless Steel Fill/ Stainless Steel Backing

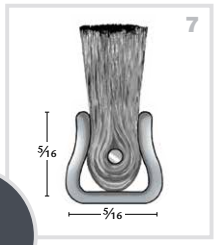


#4



Nominal size. See page 36.

#7



Nominal size. See page 36.

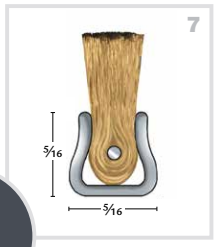
TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB404036	#4	1"	36"	.004 Crimped Stainless Steel
MB404072	#4	1"	72"	.004 Crimped Stainless Steel
MB404096	#4	1"	96"	.004 Crimped Stainless Steel
MB404236	#4	2"	36"	.006 Crimped Stainless Steel
MB404272	#4	2"	72"	.006 Crimped Stainless Steel
MB404296	#4	2"	96"	.006 Crimped Stainless Steel
MB404436	#4	3"	36"	.008 Crimped Stainless Steel
MB404472	#4	3"	72"	.008 Crimped Stainless Steel
MB404496	#4	3"	96"	.008 Crimped Stainless Steel
MB404636	#4	4"	36"	.006 Crimped Stainless Steel
MB404672	#4	4"	72"	.006 Crimped Stainless Steel
MB404696	#4	4"	96"	.006 Crimped Stainless Steel
MB404836	#4	6"	36"	.008 Crimped Stainless Steel
MB404872	#4	6"	72"	.008 Crimped Stainless Steel
MB404896	#4	6"	96"	.008 Crimped Stainless Steel
MB704036	#7	1"	36"	.006 Crimped Stainless Steel
MB704072	#7	1"	72"	.006 Crimped Stainless Steel
MB704096	#7	1"	96"	.006 Crimped Stainless Steel
MB704236	#7	2"	36"	.010 Crimped Stainless Steel
MB704272	#7	2"	72"	.010 Crimped Stainless Steel
MB704296	#7	2"	96"	.010 Crimped Stainless Steel
MB704436	#7	3"	36"	.014 Crimped Stainless Steel
MB704472	#7	3"	72"	.014 Crimped Stainless Steel
MB704496	#7	3"	96"	.014 Crimped Stainless Steel
MB704636	#7	4"	36"	.010 Crimped Stainless Steel
MB704672	#7	4"	72"	.010 Crimped Stainless Steel
MB704696	#7	4"	96"	.010 Crimped Stainless Steel
MB704836	#7	6"	36"	.014 Crimped Stainless Steel
MB704872	#7	6"	72"	.014 Crimped Stainless Steel
MB704896	#7	6"	96"	.014 Crimped Stainless Steel

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.



4

Nominal size.
See page 36.



7

Nominal size.
See page 36.

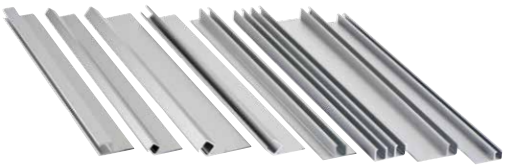
Crimped Brass Fill/ Stainless Steel Backing



TANIS PART NO.	BACKING SIZE	OVERALL TRIM	OVERALL LENGTH	FILL MATERIAL
MB406036	#4	1"	36"	.004 Crimped Brass
MB406072	#4	1"	72"	.004 Crimped Brass
MB406096	#4	1"	96"	.004 Crimped Brass
MB406236	#4	2"	36"	.006 Crimped Brass
MB406272	#4	2"	72"	.006 Crimped Brass
MB406296	#4	2"	96"	.006 Crimped Brass
MB406436	#4	3"	36"	.008 Crimped Brass
MB406472	#4	3"	72"	.008 Crimped Brass
MB406496	#4	3"	96"	.008 Crimped Brass
MB406636	#4	4"	36"	.006 Crimped Brass
MB406672	#4	4"	72"	.006 Crimped Brass
MB406696	#4	4"	96"	.006 Crimped Brass
MB406836	#4	6"	36"	.008 Crimped Brass
MB406872	#4	6"	72"	.008 Crimped Brass
MB406896	#4	6"	96"	.008 Crimped Brass
MB706036	#7	1"	36"	.006 Crimped Brass
MB706072	#7	1"	72"	.006 Crimped Brass
MB706096	#7	1"	96"	.006 Crimped Brass
MB706236	#7	2"	36"	.008 Crimped Brass
MB706272	#7	2"	72"	.008 Crimped Brass
MB706296	#7	2"	96"	.008 Crimped Brass
MB706436	#7	3"	36"	.010 Crimped Brass
MB706472	#7	3"	72"	.010 Crimped Brass
MB706496	#7	3"	96"	.010 Crimped Brass
MB706636	#7	4"	36"	.008 Crimped Brass
MB706672	#7	4"	72"	.008 Crimped Brass
MB706696	#7	4"	96"	.008 Crimped Brass
MB706836	#7	6"	36"	.014 Crimped Brass
MB706872	#7	6"	72"	.014 Crimped Brass
MB706896	#7	6"	96"	.014 Crimped Brass

Other trim lengths, overall lengths, fill material and backing sizes are available upon request.

Extruded Aluminum and Flexible PVC



Nominal size. See page 36.



2½

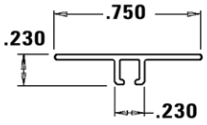
METAL BACK STRIP BRUSH **HOLDERS**

CF CLEAR ANODIZED FINISH **IN STOCK**

ALUMINUM

TANIS PART NO.	OVERALL LENGTH
AH250212	12"
AH250224	24"
AH250236	36"
AH250248	48"
AH250260	60"
AH250272	72"
AH250284	84"
AH250296	96"

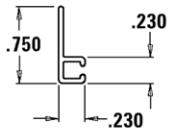
CF



ALUMINUM

TANIS PART NO.	OVERALL LENGTH
AH250812	12"
AH250824	24"
AH250836	36"
AH250848	48"
AH250860	60"
AH250872	72"
AH250884	84"
AH250896	96"

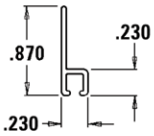
CF



ALUMINUM

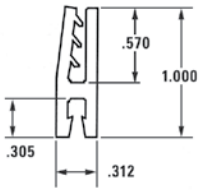
AH250412	12"
AH250424	24"
AH250436	36"
AH250448	48"
AH250460	60"
AH250472	72"
AH250484	84"
AH250496	96"

CF



FLEXIBLE RUBBER

FPH250012	12"
FPH250024	24"
FPH250036	36"
FPH250048	48"
FPH250060	60"
FPH250072	72"
FPH250084	84"
FPH250096	96"



#2-1/2 aluminum holders have a thickness of .040"



Nominal size.
See page 36.

4

METAL BACK
STRIP BRUSH
HOLDERS

Extruded Aluminum and Stainless Steel

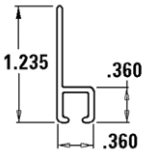


CF CLEAR ANODIZED FINISH **IN STOCK**

ALUMINUM

TANIS PART NO.	OVERALL LENGTH
AH400412	12"
AH400424	24"
AH400436	36"
AH400448	48"
AH400460	60"
AH400472	72"
AH400484	84"
AH400496	96"

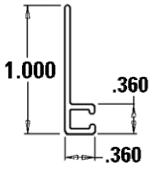
CF



ALUMINUM

TANIS PART NO.	OVERALL LENGTH
AH402412	12"
AH402424	24"
AH402436	36"
AH402448	48"
AH402460	60"
AH402472	72"
AH402484	84"
AH402496	96"

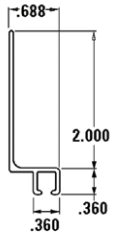
CF



ALUMINUM

AH400812	12"
AH400824	24"
AH400836	36"
AH400848	48"
AH400860	60"
AH400872	72"
AH400884	84"
AH400896	96"

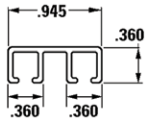
CF



ALUMINUM

AH403212	12"
AH403224	24"
AH403236	36"
AH403248	48"
AH403260	60"
AH403272	72"
AH403284	84"
AH403296	96"

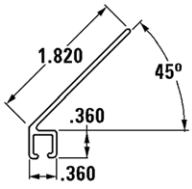
CF



ALUMINUM

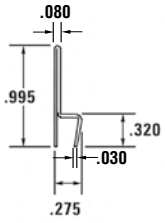
AH401212	12"
AH401224	24"
AH401236	36"
AH401248	48"
AH401260	60"
AH401272	72"
AH401284	84"
AH401296	96"

CF



STAINLESS STEEL

STH400012	12"
STH400024	24"
STH400036	36"
STH400048	48"
STH400060	60"
STH400072	72"
STH400084	84"
STH400096	96"



#4 aluminum holders have a thickness of .050"

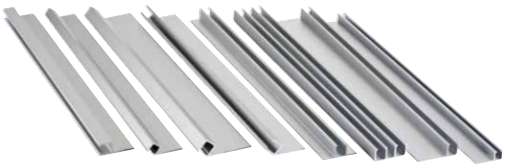
Mounting holes and slots can be machined into holders.

STEEL ALLIGATOR CLIP

TANIS PART NO.
AC4050

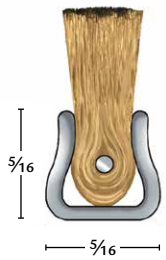


Extruded Aluminum and Stainless Steel



Nominal size.
See page 36.

7



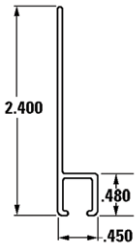
7

METAL BACK STRIP BRUSH **HOLDERS**

CF CLEAR ANODIZED FINISH **IN STOCK**

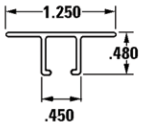
ALUMINUM

TANIS PART NO.	OVERALL LENGTH
AH700012	12"
AH700024	24"
AH700036	36"
AH700048	48"
AH700060	60"
AH700072	72"
AH700084	84"
AH700096	96"



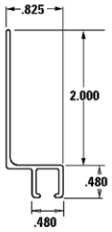
ALUMINUM

TANIS PART NO.	OVERALL LENGTH
AH702012	12"
AH702024	24"
AH702036	36"
AH702048	48"
AH702060	60"
AH702072	72"
AH702084	84"
AH702096	96"



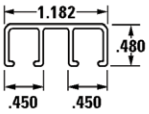
ALUMINUM

AH700412	12"
AH700424	24"
AH700436	36"
AH700448	48"
AH700460	60"
AH700472	72"
AH700484	84"
AH700496	96"



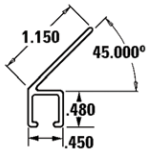
ALUMINUM

AH702412	12"
AH702424	24"
AH702436	36"
AH702448	48"
AH702460	60"
AH702472	72"
AH702484	84"
AH702496	96"



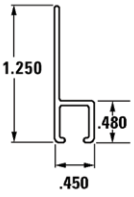
ALUMINUM

AH700812	12"
AH700824	24"
AH700836	36"
AH700848	48"
AH700860	60"
AH700872	72"
AH700884	84"
AH700896	96"



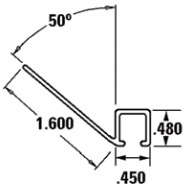
ALUMINUM

AH702812	12"
AH702824	24"
AH702836	36"
AH702848	48"
AH702860	60"
AH702872	72"
AH702884	84"
AH702896	96"



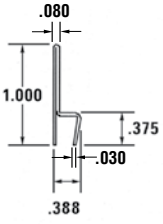
ALUMINUM

AH701212	12"
AH701224	24"
AH701236	36"
AH701248	48"
AH701260	60"
AH701272	72"
AH701284	84"
AH701296	96"



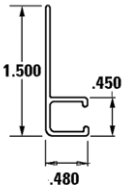
STAINLESS STEEL

STH700012	12"
STH700024	24"
STH700036	36"
STH700048	48"
STH700060	60"
STH700072	72"
STH700084	84"
STH700096	96"



ALUMINUM

AH701612	12"
AH701624	24"
AH701636	36"
AH701648	48"
AH701660	60"
AH701672	72"
AH701684	84"
AH701696	96"



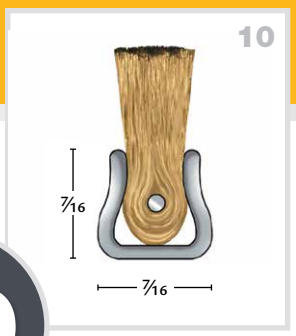
STEEL ALLIGATOR CLIP

TANIS PART NO.
AC7050



#7 aluminum holders have a thickness of .050"

Mounting holes and slots can be machined into holders.



Nominal size.
See page 36.

10

METAL BACK
STRIP BRUSH
HOLDERS

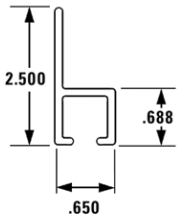
Extruded Aluminum



CF CLEAR ANODIZED FINISH **IN STOCK**

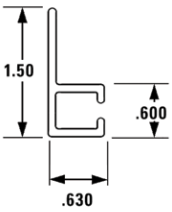
ALUMINUM

TANIS PART NO.	OVERALL LENGTH	
AH100412	12"	CF
AH100424	24"	
AH100436	36"	
AH100448	48"	
AH100460	60"	
AH100472	72"	
AH100484	84"	
AH100496	96"	



ALUMINUM

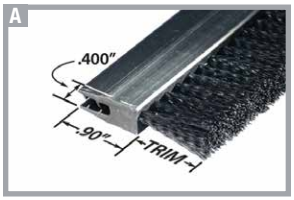
AH100812	12"	CF
AH100824	24"	
AH100836	36"	
AH100848	48"	
AH100860	60"	
AH100872	72"	
AH100884	84"	
AH100896	96"	



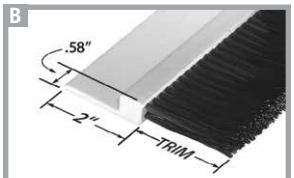
#10 aluminum holders have a thickness of .060"

Flexible and Rigid PVC Strip Brushes

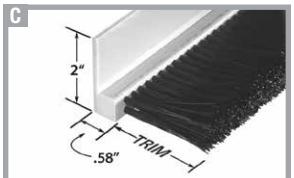
A



B



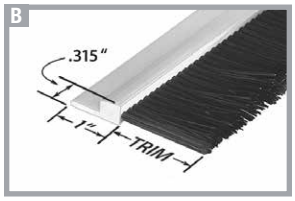
C

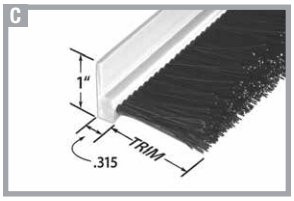


TANIS PART NO.	TRIM LENGTH	OVERALL LENGTH	NUMBER OF ROWS	FILL MATERIAL
A FLEXIBLE PVC – CLIP STYLE				
FPVC121036	1"	36"	2	.008 Crimped Black Nylon
FPVC122036	2"	36"	2	.012 Crimped Black Nylon
FPVC123036	3"	36"	2	.020 Crimped Black Nylon
FPVC121072	1"	72"	2	.008 Crimped Black Nylon
FPVC122072	2"	72"	2	.012 Crimped Black Nylon
FPVC123072	3"	72"	2	.020 Crimped Black Nylon
B RIGID PVC – h-PROFILE				
RPVC231036	1"	36"	3	.008 Level Black Nylon
RPVC232036	2"	36"	3	.012 Level Black Nylon
RPVC233036	3"	36"	3	.020 Level Black Nylon
RPVC231072	1"	72"	3	.008 Level Black Nylon
RPVC232072	2"	72"	3	.012 Level Black Nylon
RPVC233072	3"	72"	3	.020 Level Black Nylon
C RIGID PVC – 90 DEGREE PROFILE				
RPVC331036	1"	36"	3	.008 Level Black Nylon
RPVC332036	2"	36"	3	.012 Level Black Nylon
RPVC333036	3"	36"	3	.020 Level Black Nylon
RPVC331072	1"	72"	3	.008 Level Black Nylon
RPVC332072	2"	72"	3	.012 Level Black Nylon
RPVC333072	3"	72"	3	.020 Level Black Nylon
B RIGID PVC – h-PROFILE				
RPVC731036	1"	36"	3	Horse Hair
RPVC732036	2"	36"	3	Horse Hair
RPVC733036	3"	36"	3	Horse Hair
RPVC731072	1"	72"	3	Horse Hair
RPVC732072	2"	72"	3	Horse Hair
RPVC733072	3"	72"	3	Horse Hair
C RIGID PVC – 90 DEGREE PROFILE				
RPVC831036	1"	36"	3	Horse Hair
RPVC832036	2"	36"	3	Horse Hair
RPVC833036	3"	36"	3	Horse Hair
RPVC831072	1"	72"	3	Horse Hair
RPVC832072	2"	72"	3	Horse Hair
RPVC833072	3"	72"	3	Horse Hair

Flexible and Rigid PVC Strip Brushes







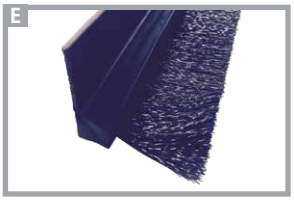
TANIS PART NO.	TRIM LENGTH	OVERALL LENGTH	NUMBER OF ROWS	FILL MATERIAL
A FLEXIBLE PVC – h-PROFILE				
FPVC141036	1"	36"	1	.008 Level Black Nylon
FPVC142036	2"	36"	1	.012 Level Black Nylon
FPVC143036	3"	36"	1	.020 Level Black Nylon
FPVC141072	1"	72"	1	.008 Level Black Nylon
FPVC142072	2"	72"	1	.012 Level Black Nylon
FPVC143072	3"	72"	1	.020 Level Black Nylon
B RIGID PVC – h-PROFILE				
RPVC211036	1"	36"	1	.008 Level Black Nylon
RPVC212036	2"	36"	1	.012 Level Black Nylon
RPVC213036	3"	36"	1	.020 Level Black Nylon
RPVC211072	1"	72"	1	.008 Level Black Nylon
RPVC212072	2"	72"	1	.012 Level Black Nylon
RPVC213072	3"	72"	1	.020 Level Black Nylon
C RIGID PVC – 90 DEGREE PROFILE				
RPVC311036	1"	36"	1	.008 Level Black Nylon
RPVC312036	2"	36"	1	.012 Level Black Nylon
RPVC313036	3"	36"	1	.020 Level Black Nylon
RPVC311072	1"	72"	1	.008 Level Black Nylon
RPVC312072	2"	72"	1	.012 Level Black Nylon
RPVC313072	3"	72"	1	.020 Level Black Nylon
B RIGID PVC – h-PROFILE				
RPVC711036	1"	36"	1	Horse Hair
RPVC712036	2"	36"	1	Horse Hair
RPVC713036	3"	36"	1	Horse Hair
RPVC711072	1"	72"	1	Horse Hair
RPVC712072	2"	72"	1	Horse Hair
RPVC713072	3"	72"	1	Horse Hair
C RIGID PVC – 90 DEGREE PROFILE				
RPVC811036	1"	36"	1	Horse Hair
RPVC812036	2"	36"	1	Horse Hair
RPVC813036	3"	36"	1	Horse Hair
RPVC811072	1"	72"	1	Horse Hair
RPVC812072	2"	72"	1	Horse Hair
RPVC813072	3"	72"	1	Horse Hair

Flexible PVC Strip Brushes

D



E



TANIS PART NO.	TRIM LENGTH	OVERALL LENGTH	NUMBER OF ROWS	FILL MATERIAL
D FLEXIBLE PVC – h-PROFILE				
FPVC151036	1"	36"	2	.008 Crimped Black Nylon
FPVC151072	1"	72"	2	.008 Crimped Black Nylon
FPVC152036	2"	36"	2	.012 Crimped Black Nylon
FPVC152072	2"	72"	2	.012 Crimped Black Nylon
FPVC153036	3"	36"	2	.020 Crimped Black Nylon
FPVC153072	3"	72"	2	.020 Crimped Black Nylon
E FLEXIBLE PVC – 90 DEGREE PROFILE				
FPVC390136	1"	36"	2	.008 Crimped Black Nylon
FPVC390172	1"	72"	2	.008 Crimped Black Nylon
FPVC390236	2"	36"	2	.012 Crimped Black Nylon
FPVC390272	2"	72"	2	.012 Crimped Black Nylon
FPVC390336	3"	36"	2	.020 Crimped Black Nylon
FPVC390372	3"	72"	2	.020 Crimped Black Nylon



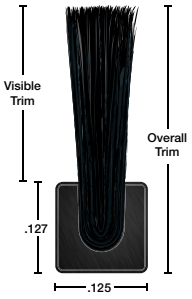
UPDATED OFFERING

Fuze Flex™ Strip Brush

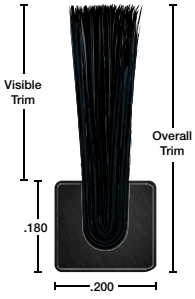
The Fuze Flex™ Strip Brush is the newest technology in brush seal. With exceptional flexibility, the brush contours to irregular surfaces, solving sealing challenges and allowing attachment to an incredibly diverse range of materials. This brush is made by fusing backing with filament for a seamless all-in-one tool. When needed, cut to length with heavy scissors or wire cutters. Non-corrosive.

TANIS PART NO.	BACKING SIZE	VISIBLE TRIM	OVERALL LENGTH	FILL MATERIAL
FB251100	.125" x .127"	1"	100'	.006 Level Black Polypropylene
FB252100	.125" x .127"	2"	100'	.006 Level Black Polypropylene
FB253100	.125" x .127"	3"	100'	.006 Level Black Polypropylene
FB410100	.200" x .180"	1"	100'	.010 Level Black Polypropylene
FB420100	.200" x .180"	2"	100'	.010 Level Black Polypropylene
FB430100	.200" x .180"	3"	100'	.012 Level Black Polypropylene
FB440100	.200" x .180"	4"	100'	.012 Level Black Polypropylene
FB450100	.200" x .180"	5"	100'	.012 Level Black Polypropylene
FB251100-N	.125" x .127"	1"	100'	.006 Level Black Nylon
FB252100-N	.125" x .127"	2"	100'	.006 Level Black Nylon
FB253100-N	.125" x .127"	3"	100'	.006 Level Black Nylon
FB410100-N	.200" x .180"	1"	100'	.010 Level Black Nylon
FB420100-N	.200" x .180"	2"	100'	.010 Level Black Nylon
FB430100-N	.200" x .180"	3"	100'	.012 Level Black Nylon
FB440100-N	.200" x .180"	4"	100'	.012 Level Black Nylon
FB450100-N	.200" x .180"	5"	100'	.012 Level Black Nylon

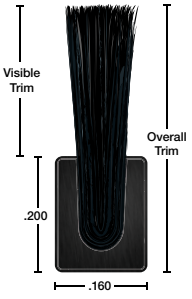
Other trim lengths, overall lengths, fill material and backing sizes are available upon request.



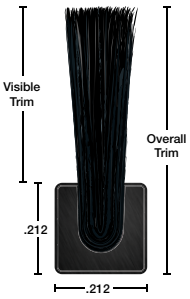
FB25



FB4



FB3



FB5

APPLICATIONS

- Sealing Gaps
- Material Transporting
- Glass Processing
- Static Elimination

INDUSTRIES

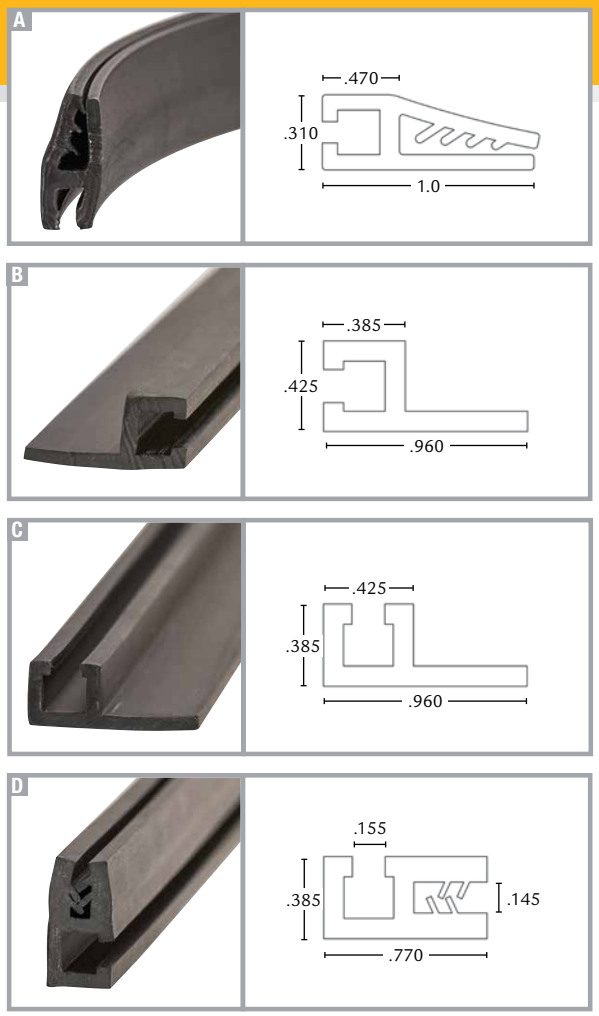
- Aerospace
- Automotive
- Agriculture
- Food Processing
- Packaging
- Material Handling
- Pharmaceutical
- Data Center/ Cable Management
- And Many More

BENEFITS

- Less Expensive than Traditional Metal Back Brushes
- Lightweight. Up to 40% Lighter than Metal Back Strip Brushes
- Lower Shipping Costs
- Chemical Resistant
- Malleable
- Metal Free and Won't Rust
- Easier to Store in Inventory Due to Flexible Design
- Easily Cut to Size with Scissors
- 100% Recyclable
- Full/Dense Brush Face



Fuze Flex™ Strip Brush Holders



FB25 Backing Holders

TANIS PART NO.	OVERALL LENGTH
A FPH250060	5'
A FPH250100	100'

FB4 Backing Holders

TANIS PART NO.	OVERALL LENGTH	PROFILE
B FPH410060	5'	180°
B FPH410120	10'	180°
C FPH420060	5'	90°
C FPH420120	10'	90°
D FPH430060	5'	Clip 90°
D FPH430120	10'	Clip 90°





Lightweight cylinder brush with dense brush face available upon request.



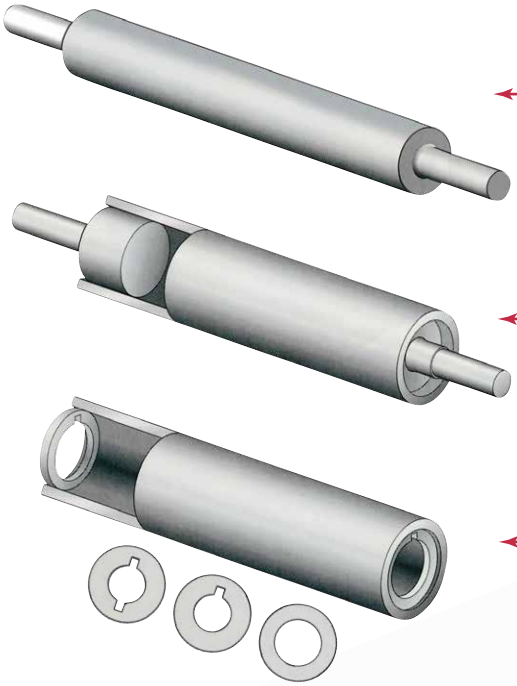
MATERIAL HANDLING

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 ½" 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.

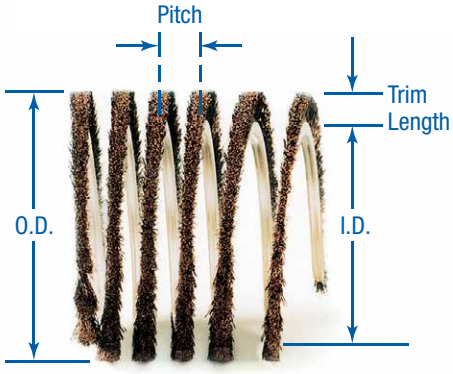


Steel Tube with End Collar

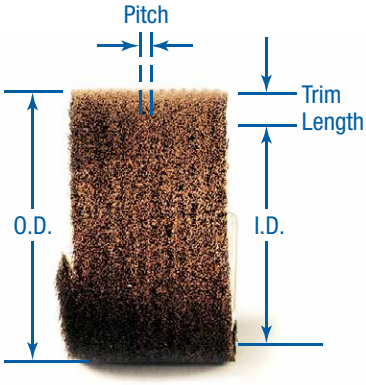
Solid Steel Shaft with Journal Ends







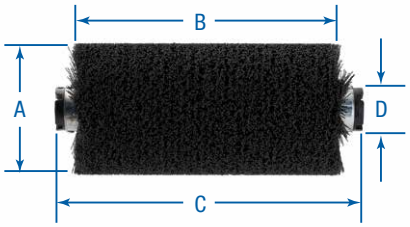
Open Wound Pitch
for a less dense brush



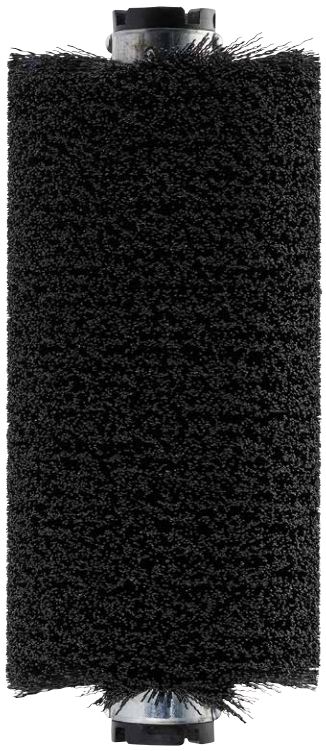
Close Wound Pitch
for a full brush

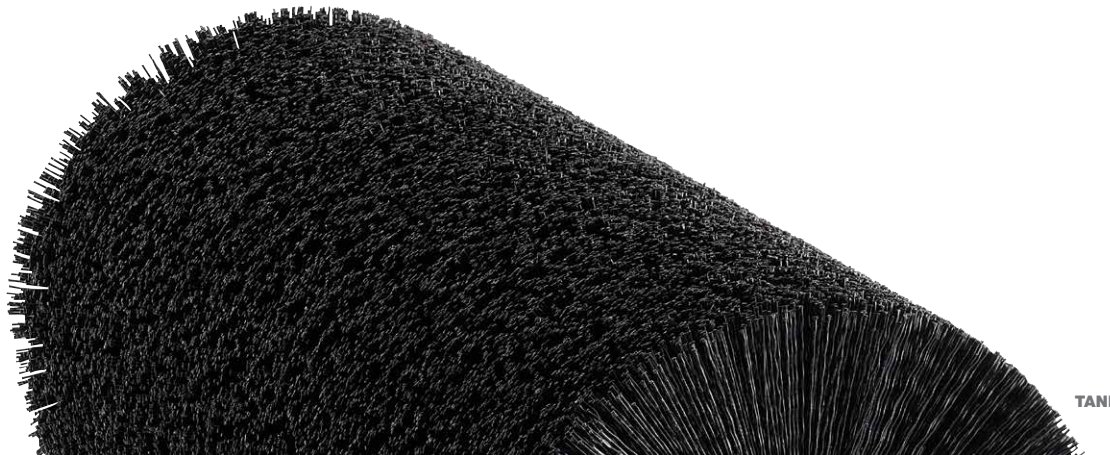
“RB” Series Conveyor Cylinder Brushes

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.

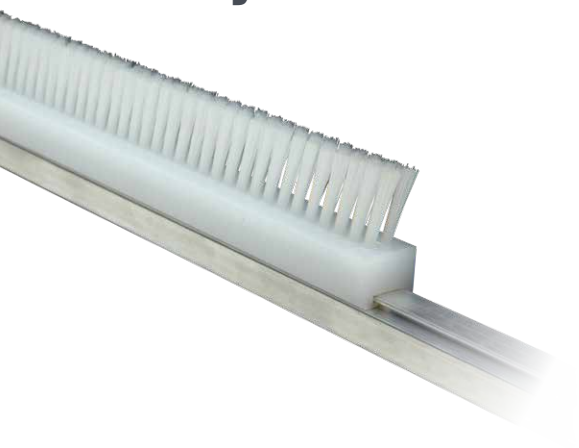


TANIS PART NO.	BRUSH DIA. (A)	BRUSH FACE (B)	OVERALL LENGTH (C)	TUBE DIA. (D)	COLLAR ENDS	BACKING SIZE	BRISTLE DIAMETER
RB412	4"	12"	14"	1-1/2"	Steel	#4	.006
RB418	4"	18"	20"	1-1/2"	Steel	#4	.006
RB420	4"	20"	22"	1-1/2"	Steel	#4	.006
RB422	4"	22"	24"	1-1/2"	Steel	#4	.006
RB424	4"	24"	26"	1-1/2"	Steel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





Conveyor Guide Rail Brushes



Conveyor Guide Rail Brushes: Slide-on Strip Brush

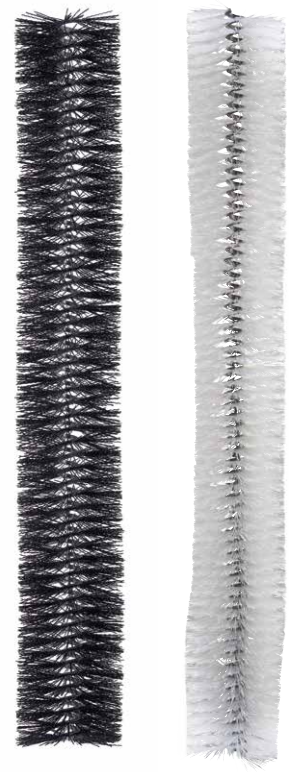
TANIS PART NO.	OVERALL TRIM	OVERALL LENGTH	NUMBER OF ROWS	FILL MATERIAL
CGRB152060	1"	5'	3	.012 Natural Nylon
CGRB152096	1"	8'	3	.012 Natural Nylon
CGRB152120	1"	10'	3	.012 Natural Nylon

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 kits sold separately.***

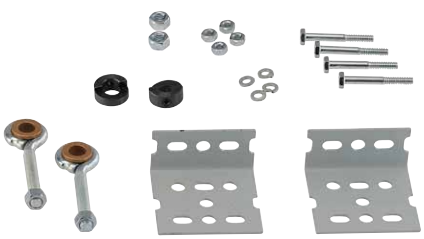


Adjustable Conveyor Belt Series

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 Black Nylon
CB4010	#4	4"	30"	.012 Crimped Natural Nylon
CB4020	#4	4"	30"	.018 Crimped Natural Nylon
CB4030	#4	4"	30"	.030 Crimped Black Nylon
CB6010	#4	6"	30"	.012 Crimped Natural Nylon
CB6020	#4	6"	30"	.018 Crimped Natural Nylon
CB6030	#4	6"	30"	.030 Crimped Black 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 Crimped Natural Polyester
CB3520FG	#4	3-1/2"	30"	.018 Crimped Natural Polyester
CB3530FG	#4	3-1/2"	30"	.030 Crimped Natural Polyester
CB4010FG	#4	4"	30"	.012 Crimped Natural Polyester
CB4020FG	#4	4"	30"	.018 Crimped Natural Polyester
CB4030FG	#4	4"	30"	.030 Crimped Natural Polyester
CB6010FG	#4	6"	30"	.012 Crimped Natural Polyester
CB6020FG	#4	6"	30"	.018 Crimped Natural Polyester
CB6030FG	#4	6"	30"	.030 Crimped Natural 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"



Tanis Stack Brushes

Tanis' Stack brushes are a more cost effective alternative to single spiral wound brushes. Our Stack brushes allow you to replace only the worn sections of the brush, resulting in cost savings. Say goodbye to storing your old cores and refilling them.

If desired, each brush section can have different filament types, diameters and trim heights.

APPLICATIONS:

Degreasing, washing, transporting, sweeping, grinding particles and preprocessing for screening or laminating.

BENEFITS:

- **Cost savings**
- **Replaceable sections**
- **Saves on storage space**

FILAMENTS AVAILABLE:

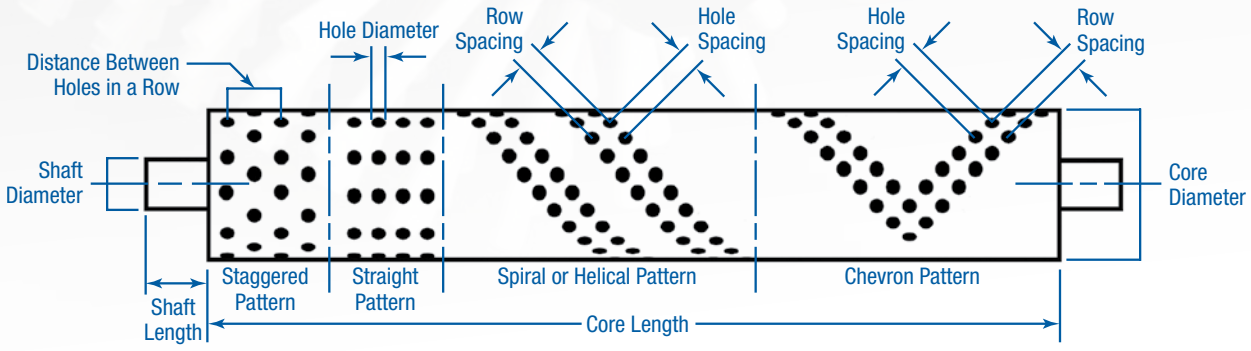
- **Abrasive nylon**
- **Nylon**
- **Polypropylene**
- **Horse hair**
- **Others available upon request**



End collar with set screws.
Adapter rings available depending on size.

Call for part numbers and pricing.
Other sizes available upon request.
Brush collars must be ordered separately.

Brush Fill Terminology



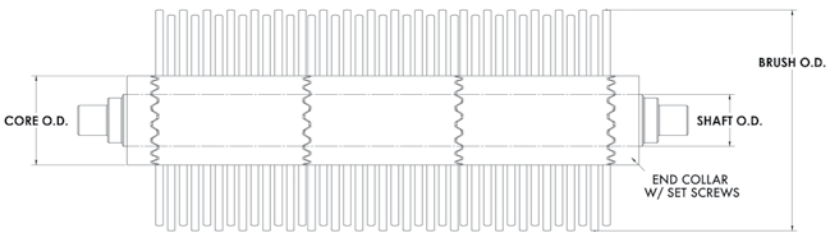




Table Top Brush Panels

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.

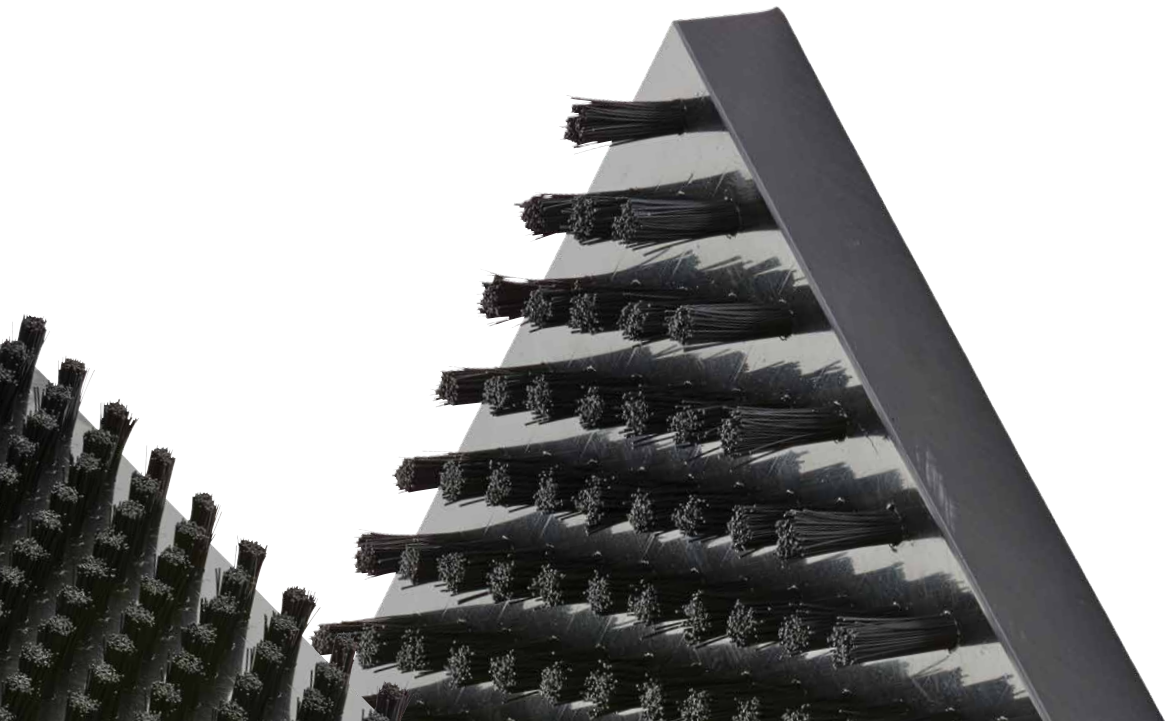


TANIS PART NO.	BRUSH LENGTH	BRUSH WIDTH	BLOCK TYPE	BLOCK THICKNESS	TRIM HEIGHT	TRIM LENGTH	FILAMENT
T12000	12"	3"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12005	12"	6"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12010	12"	12"	HDPE	1/2"	1/2"	1/2"	.006 Level Black Nylon
T12015	12"	18"	HDPE	1/2"	1/2"	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"	12"	HDPE	1/2"	1"	1"	.012 Level Black Nylon
T12215	12"	18"	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"	12"	HDPE	1/2"	1"	1"	.020 Level Black Nylon
T12235	12"	18"	HDPE	1/2"	1"	1"	.020 Level Black Nylon



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



NEW

Transport Brushes

Transport Brushes are used for moving parts and packages in a quick, gentle and quiet manner. Combined with a vibrating surface, such as vibratory conveyors or feeder bowls and the brush filaments at a 20-degree angle, the brush parts can be easily transported. These brushes can be used with both dry and wet applications.



APPLICATIONS

- Vibratory Bowl Feed Lining
- Vibratory Conveying
- Sound Deadening
- Product Transporting
- Conveyor Belt Cleaning
- Metal Finishing and Deburring with Abrasive Filament



Brush lengths and widths can be customized to fit your specific needs.



Conveyor and Cleaning Brushes

Versatile, long-life performance brush products for conveying product, conveyor cleaning, glass cleaning, labeling and packaging, metal finishing, wood defuzzing and many more applications.

Cleaning and Finishing Brushes:

- **Glass Washing and Cleaning**
- **Bottle Labeling**
- **Packaging Canned Products**
- **Cleaning Dispensing Nozzles**
- **Metal Finishing and Deburring with Abrasive Filament**



Conveyor and Cleaning Brushes:

- **Conveyor Cleaning**
- **Product Transport and Positioning**
- **Metal Finishing and Deburring with Abrasive Filament**



Brush lengths and widths can be customized to fit your specific needs.

CONFIGURATOR

Disc Brushes



TYPES



COMPOSITE



SHELL MILL



MINI

PATTERNS



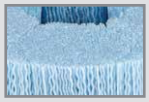
TURBO



TUFTED



TEARDROP



DENSE

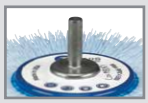
Wheel Brushes



TYPES



NARROW FACE



STEM MOUNT



WIDE FACE

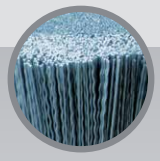
FILAMENT OPTIONS



CeramiX®



Aluminum Oxide



Silicon Carbide



Alumina Silicate



Diamond

To order a brush, visit www.tanisbrush.com/request-quote or call Customer Service at (262) 646-9000.

ABRASIVE

BRUSHES



ABRASIVE SAFETY CONSIDERATIONS

Brush Usage Recommendations

Safety Information: Many Brush Manufacturers mark some safety warnings, recommendations and usage restrictions directly to the product. It is not always practical to include even the most limited safety information on the brush itself. Therefore, the operator must read, study, understand and comply to all instructions supplied in or on the product container as well as those marked on the product itself prior to brush use. The operator should also refer to the safety and operating information printed in the brush or power tool manufacturer's catalog, instruction manual and other literature.

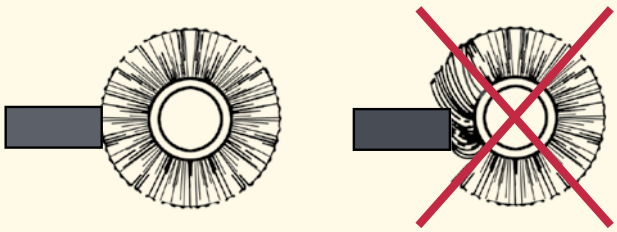
Pressure: Avoid excessive pressure when using a power brush. Excessive pressure causes over-bending of the filaments and heat build-up resulting in filament breakage, rapid dulling and reduced brush life. Instead of greater pressure on a brush, it is suggested that you try:

1. A brush with a more aggressive cutting action (increased wire size, decreased filament length, change to a different brush type, i.e. knot type instead of crimped wire type), **or**
2. Higher speed (increased R.P.M., increased brush diameter)

Important Note: Never exceed the recommended MAXIMUM SAFE FREE SPEED R.P.M. (MSFS) rating of the brush. *(See Figure 1)*

Warning: In normal power brushing operations, the material being removed, such as burrs, scale, dirt, weld slag or other residue, will fly off the brush with considerable force along with brush filaments which break off due to fatigue.

Figure 1



CORRECT
(Tips doing the work)

INCORRECT
(Excessive pressure can cause wire breakage)

The POTENTIAL OF SERIOUS INJURY EXISTS for both the brush operator and others in the work area (possible 50 feet or more feet from the brush). To protect against this hazard before rotating the brush, during rotation, and until rotation stops, operators and others in the area must wear safety goggles, full face shields and use protective clothing and equipment.

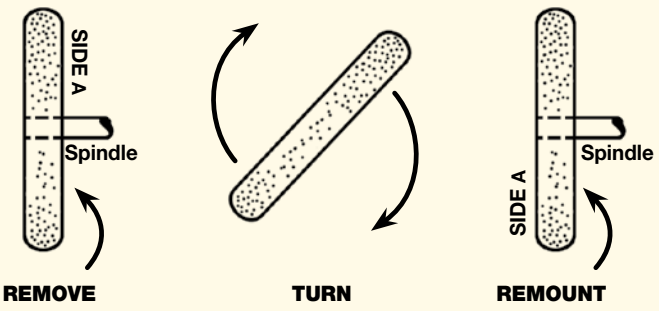
You must follow all operator and safety instructions, as well as all common safety practices which reduce the likelihood or severity of physical injury.

Inspection and Storage: Upon receipt, inspect brushes for damage, rust and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments/components or foreign matter to become lodged in brush face.

Brushing Problems: DO NOT ALLOW UNSAFE OPERATIONS TO CONTINUE. Occasionally, due to worn bearings, a bent spindle, an unusual application, operator abuse or inappropriate use, a brush may fail. Do not continue to use a failed brush or one which is functioning improperly (i.e., throwing filaments, out of balance, etc.), as this increases the possibility for further brush failure and hazard of injury. The cause of the failure should be evaluated and corrected immediately.

Self-Sharpening: When using wire wheel brushes, periodically reverse the direction of rotation to take advantage of the self-sharpening action that will result. This may be accomplished by removing the brush from the spindle and turning it side-for-side and remounting securely. *(See Figure 2)*

Figure 2





IMPORTANT:
A Safety Slip is included with each shipping package for power brushes. All operators should read and understand safety information thoroughly and completely before using the brush. Keep the safety slip with the brush. **All operators must read it.**



ABRASIVE AND POWER BRUSH SAFETY REQUIREMENTS SUMMARY



Protective Equipment: Appropriate protective equipment (such as full face shields, respirator, etc.) must be used where a possibility of injury exists that can be prevented by such equipment.



Safety Goggles: Safety Goggles and Full Face Shields **MUST BE WORN** by all operators **AND OTHERS IN THE AREA** of power brush operations. Persons within 50 or more feet may be with in danger zone. Comply with the requirements of ANSI B165.1 “Safety Requirements–Power Brushes”. Also see ANSI B7.1 “Safety Requirements—For the Use, Care and Protection of Abrasive Wheels”.



Safety Gloves and Protective Clothing: Appropriate protective clothing must be used where there is a possibility of injury that can be prevented by such clothing. The use of safety gloves is recommended.



Guards: Keep all machine guards in place at all times.



Speeds: Observe all speed restrictions indicated on the brushes, containers, labels or printed in pertinent literature. “MSFS” or “MAX.SFS” means Maximum Safe Free Speed (R.P.M.)-spinning free with no work applied: For reasons of safety, the “MSFS/MAX.SFS” should not be exceeded under any circumstances *(see ANSI 3.1.8 for more information).*



Dust and Fumes: Wear respiratory protection to avoid this hazard (see ANSI Z88.2).



Before Starting Brush: Use eye protection and safety equipment. Inspect brush for rust, damage, speed limit, etc. If no-load speed marked on the power tool is higher than the brush speed limit, do not mount brush. Inspect and jog machine to assure the brush is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work—**DO NOT STAND IN FRONT OF OR IN LINE WITH BRUSH.**

Safety Standard: Comply with the Safety Standards of the American National Standards Institute, ANSI B165.1 and ANSI B165.2 “Safety Requirements-Power Brushes”.

ABMA
AMERICAN BRUSH MANUFACTURERS ASSOCIATION

Availability of ANSI Standards:

Contact: ANSI, 1430 Broadway, New York, NY 10018 or www.ansi.org

This information for users is provided solely as a public service. Contact Tanis Inc. for regulatory information. These recommendations are not necessarily complete for any particular application—you should follow common sense safety considerations. Federal, state or local laws or regulations must be strictly obeyed and control over these recommendations.

CeramiX® Abrasive Brushes with 3M™ Abrasive Grain 321

A superior ceramic abrasive grain creates a superior abrasive brush

The technology dates back to 1981, when 3M™ Company (St. Paul, MN) introduced the first commercial application of sol gel abrasive grain. The advantages of this grain stem from how it's manufactured and is evident in the grain's microstructure.

The production of conventional fused abrasive grain (such as aluminum oxide or silicon carbide), is a process in which the raw materials are fused or melted together, cooled and then crushed. This process results in crystal structures that are usually quite large.

In comparison, sol gel abrasive grain is the product of a chemical process in which an alumina precursor is prepared, gelled, dried, crushed into particles and then sintered to form abrasive grains. These ceramic abrasive grains may be embedded in a nylon polymer and the combination extruded into abrasive nylon filaments. The ceramic abrasive particles produced through sol gel processes have a finer crystalline structure than their conventional counterparts. Individual fused aluminum oxide abrasive grains typically comprise one to three alumina crystals; sol gel abrasive grains consist of many multitudes of alumina crystals.



Fractured 321 Grain
(Courtesy of 3M™)

Crystalline Structure

The benefit of this crystalline structure is that as the outermost crystals in the abrasive grain become worn during use they are expelled in very small fragments, leaving a greater amount of grain in the filament to continue abrading the part surface. The nylon filaments containing this special ceramic abrasive grain deliver improved productivity.



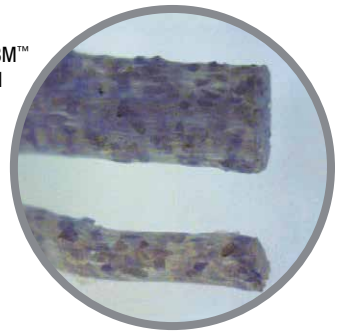
Sol Gel Abrasive Grains



3M™ Ceramic Abrasive Grains with Platelets

Two-Phase Microstructure

The 3M™ ceramic abrasive grain 321 also has a unique two-phase microstructure, a combination of fine crystals and a platelet phase. The platelets serve to reinforce the abrasive grains to withstand greater abrasion forces. The random orientation of the platelets also deflects fractures into multiple directions, creating a jagged irregular surface after the grain fractures. This continuous self-sharpening and jagged grain surface provide superior abrasion for filaments containing 321 ceramic abrasive grains.



Nylon Filament with 3M™ Abrasive Grain 321

Three Key Benefits

Three key traits which contribute to its elevated status: **fracture toughness, hardness, and self-sharpening qualities**. These features equate to increased productivity for CeramiX® abrasive nylon brushes, made with proprietary 3M™ 321 ceramic abrasive grain embedded throughout the filament.



CeramiX® Brushes

CeramiX® nylon abrasive brushes are made by Tanis, Inc. in Delafield, Wisconsin. CeramiX® nylon abrasive brushes are used as flexible filing tools in deburring and surface conditioning applications. Their flexibility allows these brushes to conform to irregular surface shapes. Brush designs have been developed for use in power tools, robotic cells and CNC applications to eliminate the need for time-consuming and inconsistent hand deburring operations. ***Custom sizes available upon request.***

Tanis' abrasive nylon brushes are available in multiple configurations: tube or burr brushes (also known as twisted-in-wire), strip brushes and composite formed disc, mini-disc and radial wheels. CeramiX® high-performance brushes cut 3 to 5 times faster on ferrous metal surfaces due to the properties of the 321 ceramic abrasive grain and CeramiX® performs well under high stress and heat conditions.

CeramiX® abrasive nylon filament is available in 320, 220, 180, 120, 80 and 46 grit sizes, in a variety of filament diameters including a heavy-duty rectangular shape. Tanis regularly designs and manufactures custom brushes in CeramiX® and other filaments to suit customers' specific applications.

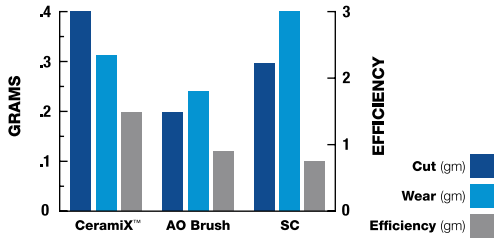
3M™ is a registered trademark of the 3M company. CeramiX® is a registered trademark of Tanis, Inc.

CeramiX® Performance with 3M™ Abrasive Grain 321

Cutting Action

CeramiX® proprietary abrasive brushes provide enhanced cutting action up to 3 to 5 times faster than traditional abrasive filaments.

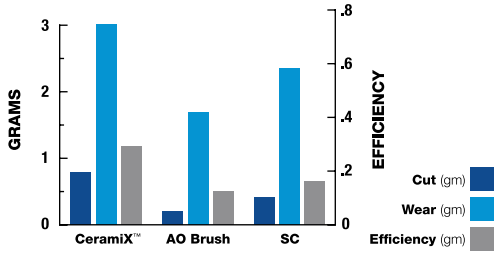
ALUMINUM PLATE
T6 Aluminum Plate,
1750 RPM



Brush Life

The mineral grain in CeramiX® brushes wears away in smaller pieces, leaving more mineral to work on the part surface.

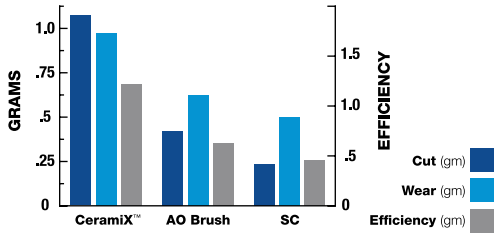
PERFORATED CRS
Perforated CRS A366 Plate,
1750 RPM



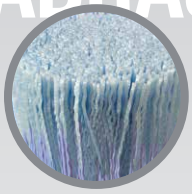
Increased Throughput

CeramiX® abrasive brushes reduce cycle times, enabling you to increase throughput. The controlled surface abrading action provides a consistent surface finish.

CRS STEEL PLATE
1008 CRS Plate,
1750 RPM



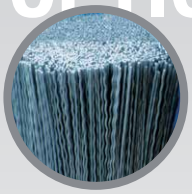
ABRASIVE GRAIN OPTIONS



3M™ Grain 321 used in CeramiX® Brushes
cuts 3 to 5 times faster on ferrous metal surfaces compared to traditional abrasive nylons. The mineral grain in CeramiX® brushes wears away in smaller chunks leaving more mineral available to continuously work on the part surface.



Aluminum Oxide
is more impact resistant compared to silicon carbide and less likely to fracture. AO is preferred for finishing soft metals or other materials where a smooth finish is required.



Silicon Carbide
is harder, sharper and more aggressive than aluminum oxide and is preferred for finishing ferrous metals.



Alumina Silicate
is a hard ceramic with low thermal expansion. This fine grain abrasive filament is well-suited for fine finishing and cleaning.



Polycrystalline Diamond
is a hard ceramic with low thermal expansion. This fine grain abrasive filament is well-suited for fine finishing and cleaning.
(See page 103 for more information on Diamond.)

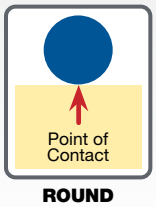
ABRASIVE FILAMENT		GRIT SIZE 46	80	120	180	220	240	320	400	500	600	1000	1800
CeramiX®	Filament Diameter Options (inches)	.065 x .080	.040, .055	.028, .040	.035	.022							
		.068 x .090	.045 x .090										
Silicon Carbide		.060, .045	.040, .050	.022, .040	.035		.030	.022		.018			
		.070	.045 x .090										
Aluminum Oxide					.035		.030	.022		.018	.012	.010	
Diamond				.040		.024	.040		.020		.012	.010	.012

FILAMENT TYPES

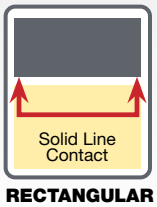
» **Round Crimped:** Optimizes brush conformability

» **Round Level:** Maximizes brush density *(Diamond Only)*

» **Rectangular:** Maximum contact with part surface



ROUND
FILAMENT



RECTANGULAR
FILAMENT

Abrasive Nylon Disc Brushes

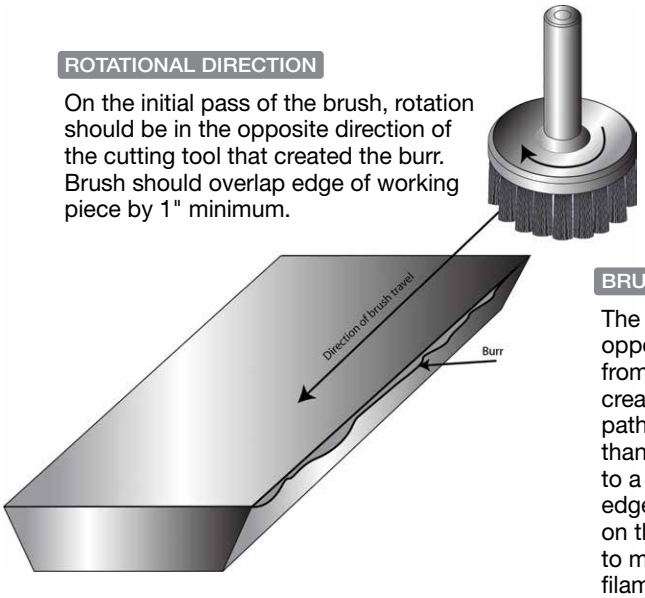
DISC DIAMETER	DRY APPLICATION STARTING RPM	RECOMMENDED MOTOR SIZE (BASED ON A 1" BRUSH FACE)
2"	1,750 - 2,500	1/4 HP
3"	1,750 - 2,500	1/4 HP
4"	1,750 - 2,500	1/4 HP
5"	1,500 - 1,750	1/4 HP
6"	1,250 - 1,750	1/2 HP
8"	800 - 1,200	3/4 HP
10"	700 - 800	1 HP
12"	600 - 700	1 HP
14"	500 - 600	1 HP

DISC DIAMETER	FEED RATE STAINLESS STEEL / ALLOY STEELS	FEED RATE MILD STEEL / CAST IRON	FEED RATE ALUMINUM / NON-FERROUS
2"	12 - 18" /min	25 - 30" /min	35 - 50" /min
3"	12 - 18" /min	25 - 30" /min	35 - 50" /min
4"	12 - 18" /min	25 - 30" /min	35 - 50" /min
5"	12 - 18" /min	25 - 30" /min	35 - 50" /min
6"	12 - 18" /min	25 - 30" /min	35 - 50" /min
8"	12 - 18" /min	25 - 30" /min	35 - 50" /min
10"	12 - 18" /min	25 - 30" /min	35 - 50" /min
12"	12 - 18" /min	25 - 30" /min	35 - 50" /min
14"	12 - 18" /min	25 - 30" /min	35 - 50" /min

Abrasive nylon disc brushes work best at speeds allowing fairly deep penetration of the work piece into the brush filaments. Faster speeds do not typically work as well as slower speeds, since the maximum RPM listed on the brush is not the optimum working speed. A good rule of thumb is to stay below 2,500 SFPM in dry applications and 3,500 SFPM with coolant.

ROTATIONAL DIRECTION

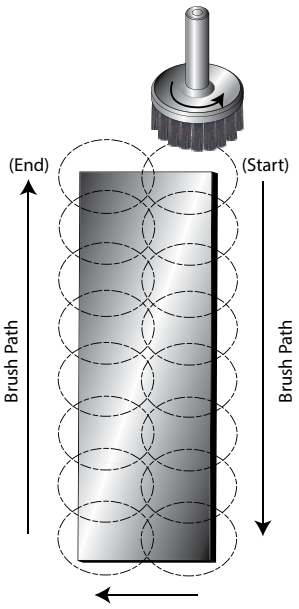
On the initial pass of the brush, rotation should be in the opposite direction of the cutting tool that created the burr. Brush should overlap edge of working piece by 1" minimum.



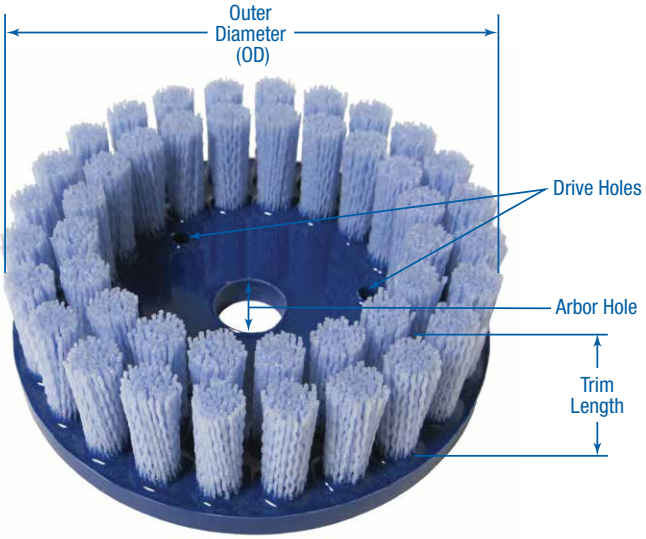
BRUSH PATH

The ideal brush path is in the opposite direction of travel from the cutting tool that created the burr. The brush path should also be longer than the cutting tool path, to a point where the trailing edge of the brush is effective on the end of the part. Lastly, to maximize the amount of filament that is striking the part, the center line of the brush should be offset from the center of the part.





Disc Brush Terminology



PENETRATION (POINT OF CONTACT)

The abrasive action occurs when the sides of the brush filament slide across the part surface or edge of the part. When the correct balance between speed (RPM), penetration, dwell time and abrasive grit size are achieved, then optimum life and cut can be obtained.

Recommended penetration rates for abrasive nylon disc brushes are from .075"–.100". This will allow long brush life with aggressive abrasive action.



CORRECT
Point of Contact



INCORRECT
Point of Contact

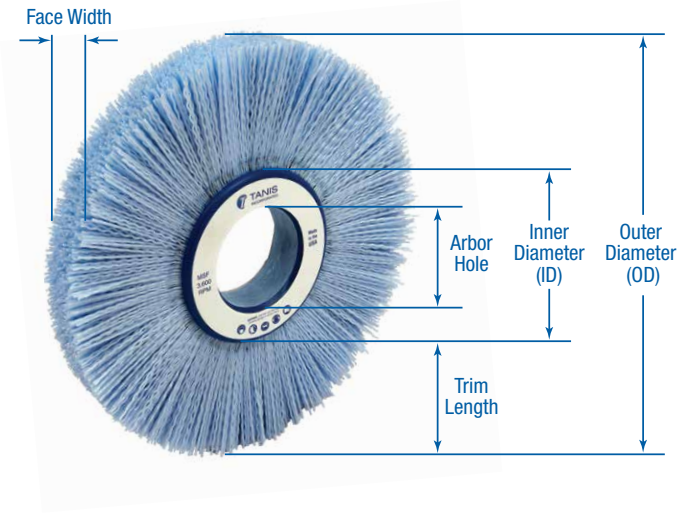
Abrasive Nylon Wheel Brushes

WHEEL DIAMETER	DRY APPLICATION STARTING RPM	RECOMMENDED MOTOR SIZE (BASED ON A 1" BRUSH FACE)
4"	2,000 - 3,000	1/4 HP
5"	2,000 - 3,000	1/4 HP
6"	1,500 - 2,000	1/2 HP
8"	1,200 - 1,500	3/4 HP
10"	1,000 - 1,200	1 HP
12"	800 - 1,000	1 HP
14"	800 - 900	1 HP

Abrasive nylon wheel brushes work best at speeds allowing fairly deep penetration of the work piece into the brush filaments. Faster speeds do not typically work as well as slower speeds, since the maximum RPM listed on the brush is not the optimum working speed. A good rule of thumb is to stay below 2,500 SFPM in dry applications and 3,500 SFPM with coolant. When operating multiple wheel brushes on a common shaft, multiply the HP requirements listed above times the number of brushes in use.

SURFACE SPEED (PERIPHERAL SPEED IN FEET PER MINUTE)						
RPM	4" DIA	6" DIA	8" DIA	10" DIA	12" DIA	14" DIA
900	950	1,400	1,900	2,350	2,800	3,350
1,150	1,200	1,800	2,400	3,000	3,600	4,200
1,200	1,250	1,900	2,500	3,200	3,800	4,400
1,500	1,550	2,350	3,150	3,900	4,700	5,500
1,750	1,800	2,750	3,650	4,550	5,500	6,400
2,000	2,100	3,100	4,200	5,200	6,300	7,300
2,400	2,500	3,800	5,000	6,100	7,500	8,800
2,800	2,900	4,400	5,850	7,300	8,800	10,200
3,000	3,100	4,700	6,300	7,800	9,400	11,000
3,200	3,350	5,000	6,700	8,400	10,200	11,700
3,450	3,600	5,400	7,200	9,000	11,000	12,600
3,750	3,900	5,900	7,800	9,800	11,800	13,700
4,000	4,200	6,300	8,400	10,500	12,500	N/A
4,500	4,700	7,200	9,400	11,900	14,100	N/A
5,000	5,200	7,800	10,500	13,100	π Dia (inches) X RPM /12	
5,400	5,600	8,500	11,300	N/A	π Dia (inches) X RPM /12	
6,000	6,300	9,400	12,500	N/A	π Dia (inches) X RPM /12	

Wheel Brush Terminology



PENETRATION (POINT OF CONTACT)

The abrasive action occurs when the sides of the brush filament slides across the part surface or edge of the part. When the correct balance between speed (RPM), penetration, dwell time and abrasive grit size are achieved, then optimum life and cut can be obtained.

Recommended penetration rates for abrasive nylon wheel brushes are maximized up to 10% of trim length. This will allow long brush life with aggressive abrasive action.



CORRECT
Point of Contact



INCORRECT
Point of Contact

Considerations when Selecting Filament for a Tanis Abrasive Nylon Brush

GRIT SIZE

120 grit is our recommended starting point for most applications. From there you can move either down or up in grit size, for a more aggressive cutting action or more of a polishing action. The chart on page 73 shows our abrasive nylon filament/grit size options.

TRIM LENGTH AND BRUSH DENSITY

A brush with a short trim length is rigid and used for high speed cutting. Longer trim lengths are more flexible and used for conforming to irregular surfaces. Likewise, a brush with a lower fill density has greater flexibility and ability to conform, as well as increased resiliency. High fill density brushes are used for deburring and when high speed cutting is required.



Long Trim, Low Density



Short Trim, High Density

Twisted Brush Stem Construction



Single Stem/Single Spiral (SS/SS)
Filament is twisted between two stem wires with a single layer of filament.



Double Stem/Single Spiral (DS/SS)
Filament is twisted between four stem wires, with two stem wires on each side for additional strength and higher density fill.



Double Stem/Double Spiral (DS/DS)
Filament is twisted between four stem wires with two layers of bristles. Each layer is perpendicular to the other with a single stem wire in each quadrant. The highest brush density and highest strength twisted wire brush available.

Brush Tip Styles



Continuous End



Cut Off End

Operating Recommendations

When mounting a twisted brush in a collet or chuck, it is recommended to minimize the overhang of the stem to under an inch. This is particularly true with power tube brushes, and it is important to avoid any load conditions and operating speeds that can cause stem deflections and destructive bending. A safe operating speed from 100-500 RPM is recommended for most twisted brushes.

To reach into deeper holes we recommend the use of collet-ready shank mounted brushes or drill extension rods rather than increasing stem overhang.

Before Starting the Twist Brush Rotation

- Secure the brush in the chuck.
- Ensure clockwise brush rotation—counter clockwise rotation can cause the brush to come apart and release the filament.
- Securely clamp the workpiece. Make sure all machine guards are in position.
- Align the brush with the workpiece to ensure the brush rotates on its true center line and avoid stem deflection.
- Guide the brush into the hole before starting the brush rotation.
- Always wear eye protection and protective clothing!

Other Considerations:

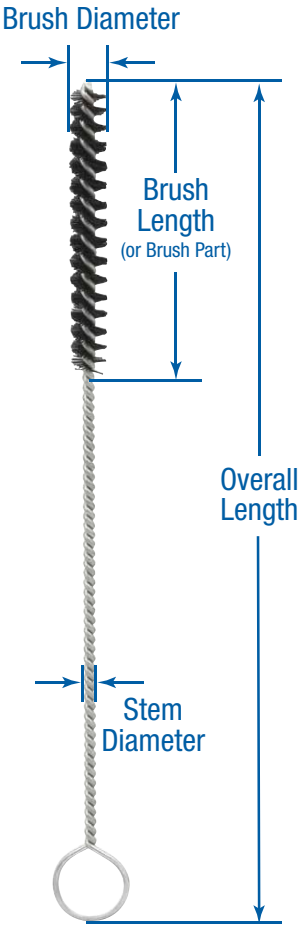
Wire Options
- Coated
- Galvanized
- Stainless Steel

Filament Options
- Abrasive Nylon
- CeramiX®
- Brass
- Carbon Steel
- Horse Hair
- Nylon
- Stainless Steel
- Crimped, Level or Color Options

Gauge
- Stem Diameter

Other
- Shank Type
- Tubing
- Coupling
- Loop
- No Loop

Twist Brush Terminology



Troubleshooting – Abrasive Nylon Brushes

Brush too aggressive
- Reduce filament diameter and/or grit size
- Reduce surface speed by reducing RPM
- Increase trim length and decrease fill density
- Increase feed rate
- Use a smaller diameter brush

Brush not aggressive enough
- Increase filament density and/or grit size
- Increase surface speed by increasing RPM
- Decrease trim length
- Reduce feed rate
- Use a larger diameter brush

Brush not conforming enough to part
- Increase trim length
- Reduce filament density
- Use a smaller diameter brush
- Reduce surface speed by reducing RPM
- Reduce feed rate

Final finish too rough
- Increase surface speed by increasing RPM
- Use a larger diameter brush
- Use a finer abrasive filament
- Use a coolant or cutting oil
- Use a buffing compound

Final finish too smooth
- Reduce surface speed by reducing RPM
- Use a smaller diameter brush
- Increase filament density and/or grit size

Filament smearing/melting
- Reduce surface speed by reducing RPM
- Decrease brush diameter
- Use a coolant or lubricant

More action needed on edges parallel to brush axis
- Reduce surface speed by reducing RPM
- Reduce feed rate
- Keep longer brush contact on problem area

More action needed on edges perpendicular to brush axis
- Reduce surface speed by reducing RPM
- Increase feed rate
- Oscillate brush on problem area

Brush action not uniform enough
- Increase trim length
- Reduce filament density
- Use automated equipment for brush motion

Short brush life
- Increase filament density
- Reduce pressure/depth of interference

SUGGESTIONS FOR

MAXIMIZING BRUSH PERFORMANCE

FEATURE	INCREASE	DECREASE
Diameter	Increasing outside diameter at a constant RPM increases surface speed: SFPM (Surface Feet Per Minute). Increasing surface speed increases work results.	Assuming constant RPM, a decrease in tool diameter decreases surface speed.
RPM	Increasing RPM at a constant outside diameter increases surface speed.	Assuming same diameter brush, decreasing RPM decreases surface speed.
Trim Length	Allows the filament to be more flexible and to conform more readily to irregular surfaces.	Stiffens filament action, thereby increasing work accomplished.
Filament Size	Provides faster cutting action and thereby increases work accomplished. ***NOTE:*** *Coarser filament/grit sizes work faster than finer filament/grit sizes, with faster wear.*	Provides superior surface finish and maximize tool life. ***NOTE:*** *For best results, choose minimum diameter and increase as needed.*
Grit Size	Provides faster cutting action and thereby increases work accomplished. ***NOTE:*** *Coarser filament/grit sizes work faster than finer filament/grit sizes, with faster wear.*	Provides superior surface finish and maximize tool life. For best results, choose minimum grit size and increase as needed.
Filament Density	Provides more filament to do work, thereby increasing work accomplished.	Provides greater brush flexibility; leaving more room for individual filaments to conform to irregular workpiece shapes.

CeramiX® Abrasive Nylon Wheel Brushes

Tanis abrasive nylon wheel brushes are made with CeramiX® filament molded into a urethane-based composite hub construction. The proprietary grain mineral in CeramiX® brushes is exclusive to Tanis and was developed with 3M™. CeramiX® provides enhanced cutting action up to 3 to 5 times faster than traditional abrasive filaments. The mineral wears away in smaller pieces, consistently leaving more mineral in the filament to work on the part surface.



30272

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
30130	6"	80	.040	2"	1"	1-1/4"	3,600
30132	6"	80	.055	2"	1"	1-1/4"	3,600
30140	6"	120	.028	2"	1"	1-1/4"	3,600
30145	6"	120	.040	2"	1"	1-1/4"	3,600
30150	6"	180	.035	2"	1"	1-1/4"	3,600
30155	6"	220	.022	2"	1"	1-1/4"	3,600
30160	8"	80	.040	2"	1"	1-1/4"	3,600
30162	8"	80	.055	2"	1"	1-1/4"	3,600
30170	8"	120	.028	2"	1"	1-1/4"	3,600
30175	8"	120	.040	2"	1"	1-1/4"	3,600
30180	8"	180	.035	2"	1"	1-1/4"	3,600
30185	8"	220	.022	2"	1"	1-1/4"	3,600
30190	8"	80	.040	2"	1"	2-1/4"	3,600
30200	8"	120	.040	2"	1"	2-1/4"	3,600
30210	8"	220	.022	2"	1"	2-1/4"	3,600
30215	10"	80	.040	2"	1"	1-1/2"	3,600
30217	10"	80	.055	2"	1"	1-1/2"	3,600
30225	10"	120	.028	2"	1"	1-1/2"	3,600
30230	10"	120	.040	2"	1"	1-1/2"	3,600
30235	10"	180	.035	2"	1"	1-1/2"	3,600
30245	10"	80	.040	2"	1"	3-1/4"	3,600
30246	10"	80	.055	2"	1"	3-1/4"	3,600
30255	10"	120	.040	2"	1"	3-1/4"	3,600
30272	12"	80	.055	4-1/4"	1"	1-1/2"	1,800
30280	12"	120	.028	4-1/4"	1"	1-1/2"	1,800
30285	12"	120	.040	4-1/4"	1"	1-1/2"	1,800
30300	12"	80	.040	4-1/4"	1"	3"	1,800
30310	12"	120	.040	4-1/4"	1"	3"	1,800
30325	14"	80	.040	5-1/4"	1"	1-1/2"	1,800
30327	14"	80	.055	5-1/4"	1"	1-1/2"	1,800
30335	14"	120	.028	5-1/4"	1"	1-1/2"	1,800
30340	14"	120	.040	5-1/4"	1"	1-1/2"	1,800
30357	14"	80	.055	5-1/4"	1"	3-1/2"	1,800
30363	14"	120	.028	5-1/4"	1"	3-1/2"	1,800
30365	14"	120	.040	5-1/4"	1"	3-1/2"	1,800

Additional diameters and grits available upon request.

APPLICATIONS

- Machine Part Deburring
- Turbine Blade Surface Finishing
- Light Duty Cleaning/Finishing
- Edge Radiusing
- Improving Surface Finish
- Post Coat Polish of Flutes on Carbide Drills
- Hone Drill Point Lip Edge on Carbide Drills

Available on page 101.



Silicon Carbide Abrasive Nylon Wheel Brushes

Tanis silicon carbide abrasive nylon wheel brushes are made using nylon filament impregnated with a traditional grit. Silicon carbide is known for its durability and preferred for finishing ferrous metals. It provides a consistent finish with controlled surface abrading action and has less filament breakage than wire brushes.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
30410	6"	80	.040	2"	1"	1-1/4"	3,600
30420	6"	120	.022	2"	1"	1-1/4"	3,600
30425	6"	120	.040	2"	1"	1-1/4"	3,600
30430	6"	180	.035	2"	1"	1-1/4"	3,600
30435	6"	320	.022	2"	1"	1-1/4"	3,600
30440	6"	500	.018	2"	1"	1-1/4"	3,600
30445	8"	80	.040	2"	1"	1-1/4"	3,600
30455	8"	120	.022	2"	1"	1-1/4"	3,600
30460	8"	120	.040	2"	1"	1-1/4"	3,600
30465	8"	180	.035	2"	1"	1-1/4"	3,600
30475	8"	80	.040	2"	1"	2-1/4"	3,600
30485	8"	120	.040	2"	1"	2-1/4"	3,600
30490	8"	180	.035	2"	1"	2-1/4"	3,600
30495	8"	320	.022	2"	1"	2-1/4"	3,600
30500	10"	80	.040	2"	1"	1-1/2"	3,600
30510	10"	120	.022	2"	1"	1-1/2"	3,600
30515	10"	120	.040	2"	1"	1-1/2"	3,600
30525	10"	320	.022	2"	1"	1-1/2"	3,600
30530	10"	80	.040	2"	1"	3-1/4"	3,600
30540	10"	120	.040	2"	1"	3-1/4"	3,600
30545	10"	180	.035	2"	1"	3-1/4"	3,600
30550	10"	320	.022	2"	1"	3-1/4"	3,600
30585	12"	80	.040	4-1/4"	1"	3"	1,800
30595	12"	120	.040	4-1/4"	1"	3"	1,800
30600	12"	180	.035	4-1/4"	1"	3"	1,800
30605	12"	320	.022	4-1/4"	1"	3"	1,800
30640	14"	80	.040	5-1/4"	1"	3-1/2"	1,800
30645	14"	80	.045 x .090	5-1/4"	1"	3-1/2"	1,800
30650	14"	120	.040	5-1/4"	1"	3-1/2"	1,800
30655	14"	180	.035	5-1/4"	1"	3-1/2"	1,800

Additional diameters and grits available upon request.



30500



Available on page 101.

UPDATED OFFERING

Metal Hub Double Wide Brushes with CeramiX® Abrasive Filament

Metal Hub Double Wide wheel brushes are made with our CeramiX® abrasive filament. The benefits of this type of construction are consistency in the manufacturing process, high quality, low-cost, and the metal hub allows for higher temperature use than other types of construction. These brushes are often used for machining, casting, metal finishing and in machining centers and manual operations.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	FILAMENT TYPE	ARBOR HOLE	HUB MATERIAL	FACE WIDTH	TRIM LENGTH	MAX RPM
30962	10"	80	.055"	CeramiX®	2"	Galvanized Steel	2"	2-1/2"	3,600
30964	10"	120	.040"	CeramiX®	2"	Galvanized Steel	2"	2-1/2"	3,600
30966	10"	320	.022"	CeramiX®	2"	Galvanized Steel	2"	2-1/2"	3,600



30964



30958

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	FILAMENT TYPE	ARBOR HOLE	HUB MATERIAL	FACE WIDTH	TRIM LENGTH	MAX RPM
30956	8"	80	.055"	CeramiX®	2"	Galvanized Steel	2"	2"	3,600
30958	8"	120	.040"	CeramiX®	2"	Galvanized Steel	2"	2"	3,600
30960	8"	320	.022"	CeramiX®	2"	Galvanized Steel	2"	2"	3,600



30952

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	FILAMENT TYPE	ARBOR HOLE	HUB MATERIAL	FACE WIDTH	TRIM LENGTH	MAX RPM
30948	6"	80	.040"	CeramiX®	2"	Galvanized Steel	2"	1"	3,600
30950	6"	80	.055"	CeramiX®	2"	Galvanized Steel	2"	1"	3,600
30952	6"	120	.040"	CeramiX®	2"	Galvanized Steel	2"	1"	3,600
30954	6"	320	.022"	CeramiX®	2"	Galvanized Steel	2"	1"	3,600

INDUSTRIES

- Machining
- Casting
- Metal Finishing
- Machining Centers
- Manual Operations

BENEFITS

- Consistency in Manufacturing Process
- High Quality and Low Cost
- Metal Hub Allows for High Temperature Use
- Manual Operations

APPLICATIONS

- Deburring Keyways, Slots and Machine Grooves in Parts
- Deburring Gear Splines
- Honing and Finishing of Cylindrical Bores
- Edge Radiusing
- Deburring Seal Grooves in Turbine Engine Cases and Small Aerospace Parts



Tanis Part No. 30990

Drive arbors are available for collet mounting applications.

UPDATED OFFERING

Metal Hub Brushes with CeramiX® Abrasive Filament

The metal hub abrasive wheel brushes feature an innovative 3M abrasive grain mineral that provides enhanced cutting action up to 3 to 5 times faster than traditional abrasive filaments. This filament has a tough, hard and self-sharpening abrasive grain with a crystalline structure, which increases the life of the brush.

30008





30034

TANIS PART NUMBER	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	FILAMENT TYPE	ARBOR HOLE	HUB MATERIAL	FACE WIDTH	TRIM	MAX RPM
30002	3"	80	.040"	CeramiX®	1/2"-5/8"	Galvanized Steel	.375"	.625"	4,500
30006	3"	120	.028"	CeramiX®	1/2"-5/8"	Galvanized Steel	.375"	.625"	4,500
30008	3"	120	.040"	CeramiX®	1/2"-5/8"	Galvanized Steel	.375"	.625"	4,500
30012	4"	80	.040"	CeramiX®	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30016	4"	120	.028"	CeramiX®	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30018	4"	120	.040"	CeramiX®	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30022	6"	80	.040"	CeramiX®	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30026	6"	120	.028"	CeramiX®	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30028	6"	120	.040"	CeramiX®	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30032	6"	80	.040"	CeramiX®	2"	Galvanized Steel	1.00"	1.00"	3,600
30034	6"	80	.055"	CeramiX®	2"	Galvanized Steel	1.00"	1.00"	3,600
30036	6"	120	.028"	CeramiX®	2"	Galvanized Steel	1.00"	1.00"	3,600
30038	6"	120	.040"	CeramiX®	2"	Galvanized Steel	1.00"	1.00"	3,600

Metal Hub Brushes with Silicon Carbide Filament

The metal hub brushes also come in silicon carbide which is an abrasive grain that is widely used in industrial applications and preferred for finishing ferrous metals.



30068

TANIS PART NUMBER	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	FILAMENT TYPE	ARBOR HOLE	HUB MATERIAL	FACE WIDTH	TRIM	MAX RPM
30052	3"	80	.040"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	375"	.625"	4,500
30054	3"	180	.035"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	375"	.625"	4,500
30058	3"	120	.040"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	375"	.625"	4,500
30060	3"	320	.022"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	375"	.625"	4,500
30062	4"	80	.040"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30064	4"	180	.035"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30068	4"	120	.040"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30070	4"	320	.022"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	.850"	4,500
30072	6"	80	.040"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30074	6"	180	.035"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30076	6"	120	.022"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30078	6"	120	.040"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30080	6"	320	.022"	Silicon Carbide	1/2"-5/8"	Galvanized Steel	.500"	1-3/16"	3,600
30082	6"	80	.040"	Silicon Carbide	2"	Galvanized Steel	1.00"	1.00"	3,600
30084	6"	180	.035"	Silicon Carbide	2"	Galvanized Steel	1.00"	1.00"	3,600
30086	6"	120	.022"	Silicon Carbide	2"	Galvanized Steel	1.00"	1.00"	3,600
30088	6"	120	.040"	Silicon Carbide	2"	Galvanized Steel	1.00"	1.00"	3,600
30090	6"	320	.022"	Silicon Carbide	2"	Galvanized Steel	1.00"	1.00"	3,600



See shanks on page 102.

Miniature Wheel Brushes

Tanis miniature wheel brushes are used for surface conditioning, edge contouring, fine deburring, cleaning and polishing. Applications include but are not limited to aerospace, molds, hydraulics, tool & dies, Swiss machines and medical parts.



11810

11805

11800

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	TRIM LENGTH	SHANK DIAMETER	MAX. RPM	FILL MATERIAL
11800	3/4"	600	.012	3/16"	1/8"	6,000	Aluminum Oxide
11801	1"	600	.012	5/16"	1/8"	6,000	Aluminum Oxide
11805	3/4"	500	.018	3/16"	1/8"	6,000	Silicon Carbide
11806	1"	500	.018	5/16"	1/8"	6,000	Silicon Carbide
11810	3/4"	800	.010	3/16"	1/8"	6,000	Diamond
11811	1"	800	.010	5/16"	1/8"	6,000	Diamond



CeramiX® Bore Brushes

The cross hole bore brush is designed for automated use to remove burrs from internal edges and finishing bores. CeramiX® contains 3M™ Company 321 mineral grain that provides enhanced cutting action 3 to 5 times greater than traditional abrasive filaments.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	FACE WIDTH	TRIM LENGTH	SHAFT LENGTH	MAX. RPM
35652	1"	120	.028	1"	7/32"	4-3/4"	8,000
35654	1-1/4"	120	.028	1"	11/32"	4-3/4"	8,000
35656	1-1/2"	120	.028	1"	1/4"	4-3/4"	8,000
35657	1-1/2"	120	.028	1"	1/2"	4-3/4"	8,000
35658	2"	120	.028	1"	1/2"	4-3/4"	6,000
35660	2"	180	.035	1"	1/2"	4-3/4"	6,000
35662	2"	80	.040	1"	1/2"	4-3/4"	6,000
35664	2-1/2"	120	.028	1"	3/4"	4-3/4"	6,000
35666	2-1/2"	80	.040	1"	3/4"	4-3/4"	6,000
35668	3"	120	.028	1"	.560"	4-3/4"	6,000
35670	3"	120	.040	1"	.560"	4-3/4"	6,000
35672	3"	80	.040	1"	.560"	4-3/4"	6,000
35686	4"	120	.028	1"	1"	4-3/4"	6,000
35688	4"	120	.040	1"	1"	4-3/4"	6,000
35689	4"	80	.040	1"	1"	4-3/4"	6,000
35690	4"	80	.055	1"	1"	4-3/4"	6,000


35656

APPLICATIONS

- Bore Finishing
- Remove Burrs from Internal Edges

Shaft diameter is 3/8" for all bore brushes. Flare may impact face width.
Set screw to securely mount drive arbor is not included. Additional diameters and grits available upon request.

UPDATED OFFERING

CeramiX® Heavy-Duty Copper Center Wheels

CeramiX® small profile wheels for cleaning, polishing and deburring recessed areas such as small openings, slots, machined grooves, fine deburring on medical instruments and gear splines.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX RPM
35558	3"	120	0.028	5/8"	1/2"	1/2"	10,000
35559	3"	120	0.040	5/8"	1/2"	1/2"	10,000
35560	3"	80	0.040	5/8"	1/2"	1/2"	10,000
35564	4"	120	0.028	5/8"	5/8"	1"	10,000
35566	4"	120	0.040	5/8"	5/8"	1"	10,000
35567	4"	80	0.040	5/8"	5/8"	1"	10,000
35568	4"	80	0.055	5/8"	5/8"	1"	10,000


35558

Additional diameters and grits available upon request.

CeramiX® Copper Center Wheel Brushes

CeramiX® small profile wheels for cleaning, polishing and deburring recessed areas such as small openings, slots, machined grooves, fine deburring on medical instruments and gear splines. CeramiX® contains 3M™ Company 321 mineral grain that provides enhanced cutting action up to 3 to 5 times greater than traditional abrasive filaments. CeramiX® brushes fracture in sharper, jagged surfaces for superior abrasion providing minimum cycle times, increased productivity and maximizes abrasive media on part.



35551

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
35502	1"	120	.028	1/4"	1/4"	7/32"	10,000
35503	1-1/4"	120	.028	1/4"	1/4"	11/32"	10,000
35512	1-1/2"	120	.028	1/4"	1/4"	1/2"	10,000
35505	1-1/2"	120	.028	1/2"	1/4"	1/4"	10,000
35510	2"	120	.028	1/2"	5/16"	1/2"	10,000
35515	2"	180	.035	1/2"	5/16"	1/2"	10,000
35520	2"	80	.040	1/2"	5/16"	1/2"	10,000
35525	2-1/2"	120	.028	5/8"	5/16"	3/4"	10,000
35530	2-1/2"	80	.040	5/8"	5/16"	3/4"	10,000
35535	3"	120	.028	1/2"	3/8"	1"	10,000
35545	3"	120	.040	1/2"	3/8"	1"	10,000
35550	3"	80	.040	1/2"	3/8"	1"	10,000
35551	3"	80	.055	1/2"	3/8"	1"	10,000

Additional diameters and grits available upon request.

Silicon Carbide Copper Center Wheel Brushes

Silicon Carbide small profile wheels are known for durability and preferred for finishing ferrous metals.



35620

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
35570	1-1/2"	180	.035	1/2"	1/4"	1/4"	10,000
35575	1-1/2"	120	.022	1/2"	1/4"	1/4"	10,000
35580	2"	500	.018	1/2"	5/16"	1/2"	10,000
35585	2"	120	.022	1/2"	5/16"	1/2"	10,000
35590	2"	120	.040	1/2"	5/16"	1/2"	10,000
35595	2-1/2"	320	.022	5/8"	5/16"	3/4"	10,000
35600	2-1/2"	180	.035	5/8"	5/16"	3/4"	10,000
35605	2-1/2"	120	.022	5/8"	5/16"	3/4"	10,000
35610	3"	320	.022	1/2"	3/8"	1"	10,000
35615	3"	180	.035	1/2"	3/8"	1"	10,000
35620	3"	120	.022	1/2"	3/8"	1"	10,000
35625	3"	120	.040	1/2"	3/8"	1"	10,000

Additional diameters and grits available upon request.

NEW

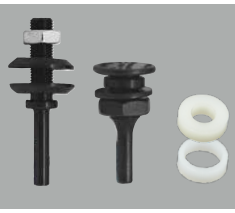
Brush Extensions



10020

TANIS PART NO.	COMPATIBLE WITH BRUSH ARBOR HOLES OF:	LENGTH OF EXTENSION	BRUSH TYPE
10020	1/4"	6"	Copper Center Wheel
10022	1/2" & 5/8"	12"	Copper Center Wheel (1/2") or Metal Hub Wheel (5/8")

Each part number comes with 1 extension and 3 shoulder bolts. Capable of holding up to 3 wheels. Brushes sold separately.



Power brush accessories available on page 102.

Pattern Descriptions

Disc brushes can be easily mounted into automated machinery, custom-designed equipment, CNC machining centers and robotic centers. There are numerous applications where these brushes perform brilliantly including deburring, surface preparation and finishing, rust and scale removal, sand and texturing, blending surface marks and edge radiusing. See below to view the various filament patterns available for disc brushes and select the pattern that will work best for your application.

Tufted Pattern

Use the Tufted Brush on contoured areas that need light to moderate surface finish. The bristle spacing allows for filament movement ideal for flat and varied surfaces.



Teardrop Pattern

Use on contoured areas that require moderate to aggressive abrasive performance. The exceptionally dynamic teardrop brush offers the flexibility needed to reach contoured areas, the bristle density to finish tough jobs and an innovative design for superior coolant flow.



Turbo Pattern

Use on small contoured surfaces. Like the teardrop, but on a smaller scale. The turbo design allows filament to move over flat or contoured areas and provides sufficient density for light to moderate abrasive performance. Coolant will flow out of the brush.



Dense Pattern

Apply on large flat surfaces that require tough aggressive performance. The great bristle density creates more deburring and finishing pressure.



CeramiX® Abrasive Nylon Disc Brushes

The composite molded construction of Tanis disc brushes creates a tough, high-productivity brush tool. Higher fill densities allow for a more aggressive brush, making this brush capable of maximized productivity. Alternative filament patterns are available for applications requiring maximum density (teardrop pattern) or lighter filament density (tufted pattern).



33850

Tufted Pattern

TUFTED PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM	ARBOR PART NO.
33760	4"	80	.040	7/8"	1-1/2"	2,500	**35050**
33775	4"	120	.040	7/8"	1-1/2"	2,500	**35050**
33790	5"	80	.040	7/8"	1-1/2"	2,500	**35050**
33805	5"	120	.040	7/8"	1-1/2"	2,500	**35050**
33820	6"	80	.040	7/8"	1-1/2"	2,000	**35050**
33830	6"	120	.028	7/8"	1-1/2"	2,000	**35050**
33835	6"	120	.040	7/8"	1-1/2"	2,000	**35050**
33840	6"	180	.035	7/8"	1-1/2"	2,000	**35050**
33850	8"	80	.040	7/8"	1-1/2"	2,000	**35065**
33865	8"	120	.040	7/8"	1-1/2"	2,000	**35065**
33880	10"	80	.040	7/8"	1-1/2"	1,750	**35070**
33895	10"	120	.040	7/8"	1-1/2"	1,750	**35070**



33355

Teardrop Pattern

TEARDROP PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM	ARBOR PART NO.
33280	4"	80	.040	7/8"	1-1/2"	2,500	**35050**
33295	4"	120	.040	7/8"	1-1/2"	2,500	**35050**
33300	4"	180	.035	7/8"	1-1/2"	2,500	**35050**
33305	4"	220	.022	7/8"	1-1/2"	2,500	**35050**
33310	5"	80	.040	7/8"	1-1/2"	2,500	**35050**
33325	5"	120	.040	7/8"	1-1/2"	2,500	**35050**
33340	6"	80	.040	7/8"	1-1/2"	2,000	**35060**
33350	6"	120	.028	7/8"	1-1/2"	2,000	**35060**
33355	6"	120	.040	7/8"	1-1/2"	2,000	**35060**
33370	8"	80	.040	7/8"	1-1/2"	2,000	**35065**
33385	8"	120	.040	7/8"	1-1/2"	2,000	**35065**
33400	10"	80	.040	7/8"	1-1/2"	1,750	**35070**
33415	10"	120	.040	7/8"	1-1/2"	1,750	**35070**

Additional diameters and grits available upon request.

APPLICATIONS

- Cast Part Deburring
- Airframe Components
- Deburring Face-Milled Parts
- Blending Grinding Marks
- Improving Surface Finish



Drive arbors can be found on page 100.

Silicon Carbide Abrasive Nylon Disc Brushes

Our exclusive teardrop-shaped filament configuration provides the best of both world—heavy duty abrasive action with sufficient room for air or coolant flow. Tufted configuration is designed for light-to-medium abrasive action applications. Custom engineered disc brushes can also be produced to suit your application, in a variety of abrasive nylon filament choices.

TUFTED PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM	ARBOR PART NO.
33520	4"	80	.040	7/8"	1-1/2"	2,500	**35050**
33525	4"	80	.045 x .090	7/8"	1-1/2"	2,500	**35050**
33535	4"	120	.040	7/8"	1-1/2"	2,500	**35050**
33540	4"	180	.035	7/8"	1-1/2"	2,500	**35050**
33545	4"	320	.022	7/8"	1-1/2"	2,500	**35050**
33550	5"	80	.040	7/8"	1-1/2"	2,500	**35050**
33570	5"	180	.035	7/8"	1-1/2"	2,500	**35050**
33580	6"	80	.040	7/8"	1-1/2"	2,000	**35050**
33595	6"	120	.040	7/8"	1-1/2"	2,000	**35050**
33600	6"	180	.035	7/8"	1-1/2"	2,000	**35050**
33610	8"	80	.040	7/8"	1-1/2"	2,000	**35065**
33625	8"	120	.040	7/8"	1-1/2"	2,000	**35065**
33630	8"	180	.035	7/8"	1-1/2"	2,000	**35065**
33640	10"	80	.040	7/8"	1-1/2"	1,750	**35070**
33655	10"	120	.040	7/8"	1-1/2"	1,750	**35070**

Additional diameters and grits available upon request.



33580

Tufted Pattern

TEARDROP PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM	ARBOR PART NO.
33045	4"	80	.045 x .090	7/8"	1-1/2"	2,500	**35050**
33075	5"	80	.045 x .090	7/8"	1-1/2"	2,500	**35050**
33105	6"	80	.045 x .090	7/8"	1-1/2"	2,000	**35060**
33135	8"	80	.045 x .090	7/8"	1-1/2"	2,000	**35065**
33165	10"	80	.045 x .090	7/8"	1-1/2"	1,750	**35070**

Additional diameters and grits available upon request.



33045

Teardrop Pattern



APPLICATIONS

- Cast Part Deburring
- Airframe Components
- Deburring Face-Milled Parts
- Blending Grinding Marks
- Improving Surface Finish

Drive arbors can be found on page 100.

CeramiX® Shell Mill Holder Disc Brushes

CeramiX® Shell Mill Disc Brushes provide a consistent, flat brush for superior dimensional precision. CeramiX® filament provides exceptional abrasive action in deburring applications on flat surfaces, improving metal finish on milled and machined surfaces as well as blending rough edges on machined parts. Shell mill disc brush has built-in keyway to mount directly to a standard shell mill holder for use in CNC machining centers.



36150

Dense Pattern



36032

Tufted Pattern



DENSE PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM
36132	2"	120	.040	3/4"	1-1/2"	2,500
36136	2"	80	.055	3/4"	1-1/2"	2,500
36142	3"	120	.040	3/4"	1-1/2"	2,500
36146	3"	80	.055	3/4"	1-1/2"	2,500
36148	3"	80	.045 x .090	3/4"	1-1/2"	2,500
36150	4"	120	.028	1-1/4"	1-1/2"	2,500
36152	4"	120	.040	1-1/4"	1-1/2"	2,500
36154	4"	80	.040	1-1/4"	1-1/2"	2,500
36156	4"	80	.055	1-1/4"	1-1/2"	2,500
36158	4"	80	.045 x .090	1-1/4"	1-1/2"	2,500
36160	6"	120	.028	1-1/4"	1-1/2"	2,500
36166	6"	80	.055	1-1/4"	1-1/2"	2,500
36168	6"	80	.045 x .090	1-1/4"	1-1/2"	2,500
36176	8"	80	.055	1-1/4"	1-1/2"	2,000
36178	8"	80	.045 x .090	1-1/4"	1-1/2"	2,000
36186	10"	80	.055	1-1/4"	1-1/2"	2,000
36188	10"	80	.045 x .090	1-1/4"	1-1/2"	2,000

TUFTED PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM
36030	4"	120	.028	1-1/4"	1-1/2"	2,500
36032	4"	120	.040	1-1/4"	1-1/2"	2,500
36040	6"	120	.028	1-1/4"	1-1/2"	2,500
36042	6"	120	.040	1-1/4"	1-1/2"	2,500
36050	8"	120	.028	1-1/4"	1-1/2"	2,000
36052	8"	120	.040	1-1/4"	1-1/2"	2,000
36060	10"	120	.028	1-1/4"	1-1/2"	2,000
36062	10"	120	.040	1-1/4"	1-1/2"	2,000

Additional diameters and grits available upon request.

APPLICATIONS

- Cast Part Deburring
- Aircraft Components
- Deburring Face-Milled Parts
- Blending Grinding Marks
- Improving Surface Finish



Both brush patterns feature shell mill mount–fits standard shell mill holders.

(Holders are not included.)

CeramiX® Mini Disc Brushes

Ideal for deburring or improving surface finish, these small-diameter disc brushes have a composite hub and feature a very high filament density. CeramiX® contains 3M™ Company 321 mineral grain which provides enhanced cutting action up to 3 to 5 times greater than traditional abrasive filaments. CeramiX® fractures in sharper, jagged surfaces for superior abrasion providing minimum cycle times, increased productivity and maximizes abrasive media on part.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM	ARBOR PART NO.
34580	2"	120	.028	3/8"	1-1/4"	4,500	**35048**
34585	2"	80	.040	3/8"	1-1/4"	4,500	**35048**
34590	2"	120	.040	3/8"	1-1/4"	4,500	**35048**
34592	2"	80	.055	3/8"	1-1/4"	4,500	**35048**
34595	2"	80	.045 x .090	3/8"	1-1/4"	4,500	**35048**
34605	3"	120	.028	3/8"	1-1/4"	4,500	**35048**
34610	3"	80	.040	3/8"	1-1/4"	4,500	**35048**
34615	3"	120	.040	3/8"	1-1/4"	4,500	**35048**
34617	3"	80	.055	3/8"	1-1/4"	4,500	**35048**
34620	3"	80	.045 x .090	3/8"	1-1/4"	4,500	**35048**

Set screw included to securely mount drive arbor.
Additional diameters and grits available upon request.


34617

Silicon Carbide Mini Disc Brushes

Ideal for deburring or improving surface finish, these small-diameter disc brushes have a composite hub and feature a very high filament density. Silicon carbide in the .045 x .090 rectangular shape is shown in the photo below.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	ARBOR HOLE	TRIM LENGTH	MAX. RPM	ARBOR PART NO.
34630	2"	120	.022	3/8"	1-1/4"	4,500	**35048**
34635	2"	80	.040	3/8"	1-1/4"	4,500	**35048**
34640	2"	120	.040	3/8"	1-1/4"	4,500	**35048**
34645	2"	80	.045 x .090	3/8"	1-1/4"	4,500	**35048**
34655	3"	80	.040	3/8"	1-1/4"	4,500	**35048**
34660	3"	120	.040	3/8"	1-1/4"	4,500	**35048**
34665	3"	80	.045 x .090	3/8"	1-1/4"	4,500	**35048**

Set screw included to securely mount drive arbor.
Additional diameters and grits available upon request.


34640


35048

Mini disc arbor available on page 100.

Fine Blanking Disc Brushes

Designed for stationary finishing machines, Tanis abrasive nylon fine-blanking disc brushes fit European machines including Volbhag, Niederberger and Peter Wolters. Fine-blanking disc brushes are ideal for deburring and edge radiusing on fine-blanked parts and polishing machined surfaces.



32020

Silicon Carbide

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	TRIM LENGTH (MM)	ARBOR HOLE (MM)	BLOCK THICKNESS	MAX. RPM
32010	6"	46	.060	25	25	1"	3,000
32020	6"	60	.045	25	25	1"	3,000
32030	6"	60	.045	36	25	1"	3,000
32040	6"	80	.050	25	25	1"	3,000
32050	6"	80	.050	36	25	1"	3,000
32060	6"	120	.040	25	25	1"	3,000
32070	6"	120	.040	36	25	1"	3,000
32080	6"	180	.035	25	25	1"	3,000
32090	6"	180	.035	36	25	1"	3,000
32100	6"	320	.022	25	25	1"	3,000
32110	6"	320	.022	36	25	1"	3,000

Additional diameters and grits available upon request.



CeramiX® End Brushes with Bridles

CeramiX® End Brushes with Bridles feature an integrated stem that allows mounting in a collet or tool holder for CNC machine or robotic use. End brushes can also be used in portable air or electric tools. End brushes are a great choice for deburring slots, small recessed areas and internal part features. CeramiX® End Brushes are able to deliver a targeted brushing action to small areas on machined parts to blend end-mill tool marks, deburr and blend rough edges and provide ideal surface finish. Now including bridles to prevent flaring and for increased aggressive performance.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	TRIM LENGTH	OVERALL LENGTH	SHANK DIAMETER	MAX. RPM
35697	3/8"	120	.040	1"	2-3/4"	1/4"	10,000
35698	3/8"	180	.035	1"	2-3/4"	1/4"	10,000
35699	3/8"	220	.022	1"	2-3/4"	1/4"	10,000
35700	1/2"	120	.040	1"	2-3/4"	1/4"	10,000
35705	1/2"	180	.035	1"	2-3/4"	1/4"	10,000
35710	1/2"	220	.022	1"	2-3/4"	1/4"	10,000
35712	3/4"	80	.055	1"	2-3/4"	1/4"	10,000
35715	3/4"	120	.040	1"	2-3/4"	1/4"	10,000
35720	3/4"	180	.035	1"	2-3/4"	1/4"	10,000
35725	3/4"	220	.022	1"	2-3/4"	1/4"	10,000
35728	1"	80	.055	1"	2-3/4"	1/4"	10,000
35730	1"	120	.040	1"	2-3/4"	1/4"	10,000
35735	1"	180	.035	1"	2-3/4"	1/4"	10,000
35740	1"	220	.022	1"	2-3/4"	1/4"	10,000

Additional diameters and grits available upon request.



Silicon Carbide End Brushes with Bridles

Silicon Carbide End Brushes with Bridles feature an integrated stem that allows mounting in a collet or tool holder for CNC machine or robotic use. End brushes can also be used in portable air or electric tools. End brushes are a great choice for deburring slots, small recessed areas and internal part features. Includes bridles to prevent flaring.

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	TRIM LENGTH	OVERALL LENGTH	SHANK DIAMETER	MAX. RPM
35745	1/2"	120	.040	1"	2-3/4"	1/4"	10,000
35750	1/2"	180	.035	1"	2-3/4"	1/4"	10,000
35755	1/2"	320	.022	1"	2-3/4"	1/4"	10,000
35760	3/4"	120	.040	1"	2-3/4"	1/4"	10,000
35765	3/4"	180	.035	1"	2-3/4"	1/4"	10,000
35770	3/4"	320	.022	1"	2-3/4"	1/4"	10,000
35775	1"	120	.040	1"	2-3/4"	1/4"	10,000
35780	1"	180	.035	1"	2-3/4"	1/4"	10,000

Additional diameters and grits available upon request.





CeramiX® Stem Mounted End Brushes

The integrated stem allows for convenient mounting in a collet or tool holder. These smaller diameter disc brushes are a great choice for deburring slots or small recessed areas, as well as reaching into internal part features. For more information see pages 70 through 77 in the CeramiX® Technical Section.



32320

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	SHANK DIAMETER	TRIM LENGTH	MAX. RPM
***32285**	1-1/2"	80	.040	1/4"	1-3/8"	4,500
***32287**	1-1/2"	80	.055	1/4"	1-3/8"	4,500
***32295**	1-1/2"	120	.040	1/4"	1-3/8"	4,500
***32300**	1-1/2"	120	.028	1/4"	1-3/8"	4,500
***32305**	1-1/2"	220	.022	1/4"	1-3/8"	4,500
32310	2"	80	.040	1/4"	1-3/8"	4,500
32312	2"	80	.055	1/4"	1-3/8"	4,500
32320	2"	120	.040	1/4"	1-3/8"	4,500
32325	2"	120	.028	1/4"	1-3/8"	4,500
32330	2"	220	.022	1/4"	1-3/8"	4,500
32335	2-1/2"	80	.040	1/4"	1-3/8"	4,500
32337	2-1/2"	80	.055	1/4"	1-3/8"	4,500
32345	2-1/2"	120	.040	1/4"	1-3/8"	4,500
32350	2-1/2"	120	.028	1/4"	1-3/8"	4,500
32355	2-1/2"	220	.022	1/4"	1-3/8"	4,500

***Dense pattern.**
Additional diameters and grits available upon request.



Abrasive Nylon Collet Ready Brushes

Ideal for internal deburring and finishing applications, tubular component parts and drilled and tapered holes. These power tube brushes are fitted with a solid galvanized steel shank for ease of use in CNC machine tools, drill presses and manual machine tools.

CeramiX® (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	SHANK DIAMETER
34820	1/4"	180	.035	2"	8"	3/16"
34825	1/4"	120	.028	2"	8"	3/16"
34827	5/16"	180	.035	2"	8"	3/16"
34829	5/16"	120	.028	2"	8"	3/16"
34830	3/8"	180	.035	2"	8"	1/4"
34835	3/8"	120	.028	2"	8"	1/4"
34840	1/2"	180	.035	2"	8"	1/4"
34845	1/2"	120	.040	2"	8"	1/4"
34855	5/8"	120	.040	2"	8"	1/4"
34865	3/4"	120	.040	2"	8"	1/4"
34869	7/8"	120	.040	2"	8"	1/4"
34870	1"	120	.040	2"	8"	1/4"
34875	1"	80	.040	2"	8"	1/4"
34880	1-1/4"	120	.040	2"	8"	1/4"
34885	1-1/4"	80	.040	2"	8"	1/4"

Additional diameters and grits available upon request.





Abrasive Nylon Micro Twisted Brushes

Micro-abrasive tube brushes are ideal for ultra-fine deburring of internal holes produced by small diameter drilling. Light deburring and cleaning will not alter bore dimensions or surface finishes. Micro-abrasive tube brushes are used in power tools to create a side-wiping action, or used manually.



Silicon Carbide (Single stem, single spiral; cut off end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31040	.050"	500	.018	1/2"	4"	.022"	.047"	3/64	1.190
31045	.075"	500	.018	3/4"	4"	.033"	.063"	1/16	1.600
31050	.090"	500	.018	3/4"	4"	.041"	.078"	5/64	1.984
31055	.105"	500	.018	1"	4"	.041"	.094"	3/32	2.381
31060	.125"	500	.018	1"	4"	.064"	.109"	7/64	2.778
31065	.135"	500	.018	1"	4"	.075"	.125"	1/8	3.175
31070	.150"	500	.018	1"	4"	.075"	.141	9/64	3.572



Silicon Carbide (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31075	.165"	500	.018	1"	5"	.087"	.156"	5/32	3.969
31085	.190"	500	.018	1"	5"	.087"	.188"	3/16	4.736
31090	.215"	500	.018	1"	5"	.087"	.203"	13/64	5.159
31095	.230"	500	.018	1"	5"	.087"	.219"	7/32	5.556
31100	.245"	500	.018	1"	5"	.115"	.234"	15/64	5.953
31105	.260"	500	.018	1"	5"	.115"	.250"	1/4	6.35
31110	.325"	500	.018	1"	5"	.115"	.313"	5/16	7.938
31115	.385"	500	.018	1"	5"	.147"	.375"	3/8	9.525
31010	.515"	320	.022	1"	5"	.168"	.500"	1/2	12.70
31120	.515"	500	.018	1"	5"	.168"	.500"	1/2	12.70
31015	.640"	320	.022	1"	5"	.168"	.625"	5/8	15.87
31125	.640"	500	.018	1"	5"	.168"	.625"	5/8	15.87
31020	.765"	320	.022	1"	5"	.221"	.750"	3/4	19.05
31130	.765"	500	.018	1"	5"	.221"	.750"	3/4	19.05
31025	.890"	320	.022	1"	5"	.221"	.875"	7/8	22.225
31135	.890"	500	.018	1"	5"	.221"	.875"	7/8	22.225
31030	1.015"	320	.022	1"	5"	.248"	1"	1	25.40
31035	1.015"	500	.018	1"	5"	.248"	1"	1	25.40

Abrasive Nylon Micro Twisted Brushes

Micro-abrasive tube brushes are ideal for ultra-fine deburring of internal holes produced by small diameter drilling. Light deburring and cleaning will not alter bore dimensions or surface finishes. Micro-abrasive tube brushes are used in power tools to create a side-wiping action, or used manually.

Alumina Silicate (Single stem, single spiral; cut off end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31210	.030"	1000	.008	1/2"	4"	.015"	.031"	1/32	.794
31215	.050"	1000	.008	1/2"	4"	.022"	.047"	3/64	1.191
31220	.075"	1000	.008	3/4"	4"	.033"	.063"	1/16	1.588
31225	.090"	1000	.008	3/4"	4"	.041"	.078"	5/64	1.984
31230	.105"	1000	.008	1"	4"	.041"	.094"	3/32	2.381
31235	.125"	1000	.008	1"	4"	.064"	.109"	7/64	2.778
31240	.135"	1000	.008	1"	4"	.075"	.125"	1/8	3.175
31260	.190"	1000	.008	1"	5"	.087"	.188"	3/16	4.736
31265	.215"	1000	.008	1"	5"	.087"	.203"	13/64	5.159
31275	.245"	1000	.008	1"	5"	.115"	.234"	15/64	5.953



Aluminum Oxide (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	FOR HOLE DIAMETERS		
							INCH	FRACT.	MM
31140	.165"	600	.012	1"	5"	.087"	.156"	5/32	3.969
31150	.190"	600	.012	1"	5"	.087"	.188"	3/16	4.736
31155	.215"	600	.012	1"	5"	.087"	.203"	13/64	5.159
31170	.260"	600	.012	1"	5"	.115"	.250"	1/4	6.350
31175	.325"	600	.012	1"	5"	.115"	.313"	5/16	7.938
31180	.385"	600	.012	1"	5"	.147"	.375"	3/8	9.525
31185	.515"	600	.012	1"	5"	.168"	.500"	1/2	12.70
31190	.640"	600	.012	1"	5"	.168"	.625"	5/8	15.87
31195	.765"	600	.012	1"	5"	.221"	.750"	3/4	19.05
31200	.890"	600	.012	1"	5"	.221"	.875"	7/8	22.225
31205	1.015"	600	.012	1"	5"	.248"	1"	1	25.40



Abrasive Nylon Tube Brushes

Abrasive nylon tube brushes are used in tubular component parts and drilled and tapered holes. Applications include internal deburring and finishing. Use in CNC machine tools, drill presses and manual machine tools.



Silicon Carbide (Double stem, single spiral; cut off end. Galvanized stem wire.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER
31490	1/4"	320	.022	2"	4"	1/8"
31505	3/8"	320	.022	2"	5"	1/8"
31520	1/2"	320	.022	2"	5"	5/32"
31530	1/2"	80	.040	2"	5"	5/32"
31540	5/8"	320	.022	2"	5"	7/32"
31550	5/8"	80	.040	2"	5"	7/32"
31565	3/4"	320	.022	2-1/2"	5-1/2"	1/4"
31575	3/4"	80	.040	2-1/2"	5-1/2"	1/4"
31585	1"	320	.022	2-1/2"	5-1/2"	1/4"
31595	1"	80	.040	2-1/2"	5-1/2"	1/4"
31625	1-1/4"	320	.022	2-1/2"	5-1/2"	1/4"
31630	1-1/4"	120	.040	2-1/2"	5-1/2"	1/4"
31635	1-1/4"	80	.040	2-1/2"	5-1/2"	1/4"
31645	1-1/2"	320	.022	2-1/2"	5-1/2"	1/4"
31650	1-1/2"	120	.040	2-1/2"	5-1/2"	1/4"
31655	1-1/2"	80	.040	2-1/2"	5-1/2"	1/4"
31670	1-3/4"	120	.040	2-1/2"	5-1/2"	1/4"
31675	1-3/4"	80	.040	2-1/2"	5-1/2"	1/4"
31685	2"	320	.022	2-1/2"	5-1/2"	1/4"
31695	2"	80	.040	2-1/2"	5-1/2"	1/4"

Additional diameters and grits available upon request.

Abrasive Nylon Burr Brushes

Abrasive burr brushes provide a high filament concentration for heavy burr removal. Burr brushes can be used in wet or dry applications and are ideal for reducing cycle times in cross-hole deburring, cleaning threads, debris removal from blocks or machined blocks, crankshaft bores and general deburring.

Silicon Carbide (Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER
31290	1/4"	120	.022	1"	3-1/2"	1/8"
31295	1/4"	180	.035	1"	3-1/2"	1/8"
31297	5/16"	120	.022	1"	3-1/2"	1/8"
31300	3/8"	120	.022	1"	3-1/2"	3/16"
31305	3/8"	180	.035	1"	3-1/2"	3/16"
31310	1/2"	120	.022	1"	3-1/2"	3/16"
31315	1/2"	120	.040	1"	3-1/2"	3/16"
31320	5/8"	120	.022	1"	3-1/2"	3/16"
31325	5/8"	120	.040	1"	3-1/2"	3/16"
31330	3/4"	120	.022	1"	3-1/2"	3/16"
31335	3/4"	120	.040	1"	3-1/2"	3/16"
31337	7/8"	120	.040	1"	3-1/2"	3/16"
31340	1"	120	.022	1"	3-1/2"	1/4"
31345	1"	120	.040	1"	3-1/2"	1/4"
31347	1-1/8"	120	.040	1"	3-1/2"	1/4"

Additional diameters and grits available upon request.

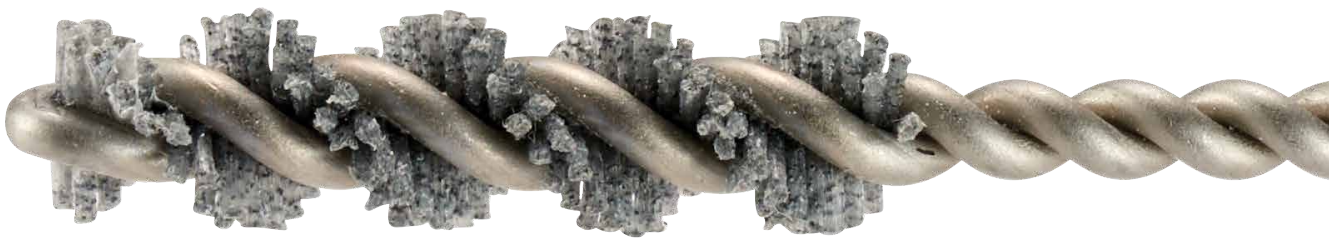


Large Stem Wire with Increased Filament Density. Silicon Carbide.

(Single stem, single spiral; continuous end.)

TANIS PART NO.	BRUSH DIAMETER	GRIT	FILAMENT DIAMETER	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER
08481	1/4"	120	.022	1-1/2"	4"	1/8"
08482	5/16"	120	.022	1-1/2"	4"	1/8"
08484	3/8"	120	.022	1-1/2"	4"	1/8"
08486	1/2"	120	.022	2"	5"	3/16"
08488	5/8"	120	.040	2"	5"	1/4"
08490	3/4"	120	.040	2-1/2"	5-1/2"	1/4"
08492	7/8"	120	.040	2-1/2"	5-1/2"	1/4"
08494	1"	120	.040	2-1/2"	5-1/2"	1/4"
08496	1-1/8"	120	.040	2-1/2"	5-1/2"	1/4"
08498	1-1/4"	120	.040	2-1/2"	5-1/2"	1/4"

Additional diameters and grits available upon request.



NEW

Bore-Hone™ Brushes

Standard-Duty Bore-Hone™ Brushes

Silicon Carbide Bore-Hone™ Brushes are used for manual or automated solutions. Bore-Hone™ Brushes improve surface finish of internal bores and cylinders. Ideal for internal deburring of machined bores and inside diameters of castings.

120 GRIT TANIS PART NO.	180 GRIT TANIS PART NO.	240 GRIT TANIS PART NO.	320 GRIT TANIS PART NO.	FOR HOLE SIZES IN INCHES	FOR HOLE SIZES IN MM	BRUSH DIA. IN MM	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	MAX. RPM
-	61000	62000	63000	0.177"	4.5 mm	5 mm	3/4"	6"	.083"	1,000
-	61002	62002	63002	0.188"	4.75 mm	5.3 mm	3/4"	6"	.083"	1,000
-	61004	62004	63004	0.197"	5 mm	5.6 mm	1-1/2"	8"	.083"	1,000
-	61006	62006	63006	0.217"	5.5 mm	6.1 mm	1-1/2"	8"	.083"	1,000
-	61008	62008	63008	0.236"	6 mm	6.7 mm	1-1/2"	8"	.098"	1,000
60010	61010	62010	63010	0.25"	6.35 mm	7.1 mm	1-1/2"	8"	.098"	1,000
60012	61012	62012	63012	0.276"	7 mm	7.8 mm	2"	8"	.098"	900
60014	61014	62014	63014	0.315"	8 mm	9 mm	2"	8"	.110"	900
60016	61016	62016	63016	0.354"	9 mm	10 mm	2"	8"	.125"	900
60018	61018	62018	63018	0.375"	9.5 mm	10.6 mm	2"	8"	.125"	900
60020	61020	62020	63020	0.394"	10 mm	11.2 mm	2"	8"	.125"	900
60022	61022	62022	63022	0.433"	11 mm	12.3 mm	2"	8"	.125"	900
60024	61024	62024	63024	0.472"	12 mm	13.5 mm	2"	8"	.142"	900
60026	61026	62026	63026	0.50"	12.7 mm	14.2 mm	2"	8"	.142"	900
60028	61028	62028	63028	0.552"	14 mm	15.7 mm	2"	8"	.142"	900
60030	61030	62030	63030	0.625"	16 mm	18 mm	2"	8"	.157"	900
60032	61032	62032	63032	0.709"	18 mm	20.2 mm	2"	8"	.157"	900
60034	61034	62034	63034	0.75"	19 mm	21.3 mm	2"	8"	.177"	900
60036	61036	62036	63036	0.787"	20 mm	22.5 mm	2"	8"	.177"	900
60038	61038	62038	63038	0.875"	22 mm	24.5 mm	2"	8"	.177"	900
60040	61040	62040	63040	0.9375"	23.8 mm	26.5 mm	3"	8"	.197"	900
60042	61042	62042	63042	1"	25.4 mm	28.5 mm	3"	8"	.213"	900
60044	61044	62044	63044	1.125"	29 mm	32.5 mm	3"	8"	.213"	800
60046	61046	62046	63046	1.25"	31.8 mm	35.6 mm	3"	8"	.224"	800
60048	61048	62048	63048	1.375"	35 mm	39.2 mm	3"	8"	.224"	800
60050	61050	62050	63050	1.50"	38 mm	42.5 mm	3"	8"	.224"	800
60052	61052	62052	63052	1.625"	41 mm	46 mm	3"	8"	.224"	800
60054	61054	62054	63054	1.75"	45 mm	50.4 mm	3"	8"	.256"	800
60056	61056	62056	63056	1.875"	47.60	54 mm	3"	8"	.256"	800
60058	61058	62058	63058	2"	51 mm	57 mm	3"	8"	.256"	700
60060	61060	62060	63060	2.125"	54 mm	60.5 mm	3"	8"	.283"	700
60062	61062	62062	63062	2.25"	57 mm	64 mm	3"	8"	.283"	700
60064	61064	62064	63064	2.375"	60 mm	67 mm	3"	8"	.283"	700
60066	61066	62066	63066	2.50"	64 mm	71.5 mm	3"	8"	.283"	700
60068	61068	62068	63068	2.625"	67 mm	75 mm	3"	8"	.283"	700
60070	61070	62070	63070	2.75"	70 mm	78 mm	3"	8"	.283"	700
60072	61072	62072	63072	2.875"	73 mm	81.5 mm	3"	8"	.322"	700
60074	61074	62074	63074	3"	76 mm	85 mm	3"	8"	.322"	700

These brushes are always to be used with a lubricant. Some common choices are water-soluble oils, mineral oils, motor oils, cutting and tapping fluids.

Heavy-Duty Bore-Hone™ Brushes

Silicon Carbide Bore-Hone™ Brushes for heavy-duty applications. Ideal for cross hatching larger engine cylinders, combustion chambers and power generation cylinders.

120 GRIT TANIS PART NO.	180 GRIT TANIS PART NO.	240 GRIT TANIS PART NO.	320 GRIT TANIS PART NO.	FOR HOLE SIZES IN INCHES	FOR HOLE SIZES IN MM	BRUSH DIA. IN MM	BRUSH LENGTH	OVERALL LENGTH	STEM DIAMETER	MAX. RPM
64000	65000	66000	67000	3"	76 mm	85 mm	5-1/2"	13-1/2"	.299"	700
64002	65002	66002	67002	3-1/4"	83 mm	93 mm	5-1/2"	13-1/2"	.299"	700
64004	65004	66004	67004	3-1/2"	89 mm	99.5 mm	5-1/2"	13-1/2"	.315"	700
64006	65006	66006	67006	3-3/4"	95 mm	106.5 mm	5-1/2"	13-1/2"	.315"	700
64008	65008	66008	67008	4"	101 mm	113 mm	5-1/2"	13-1/2"	.346"	600
64010	65010	66010	67010	4-1/4"	108 mm	121 mm	5-1/2"	13-1/2"	.346"	600
64012	65012	66012	67012	4-1/2"	114 mm	127.5 mm	5-1/2"	13-1/2"	.346"	600
64014	65014	66014	67014	5"	127 mm	142 mm	6-1/2"	18"	.346"	600
64016	65016	66016	67016	5-1/2"	140 mm	157 mm	6-1/2"	18"	.402"	600
64018	65018	66018	67018	6"	152 mm	170 mm	6-1/2"	18"	.402"	600
64020	65020	66020	67020	6-1/2"	165 mm	184.5 mm	6-1/2"	18"	.402"	600
64022	65022	66022	67022	7"	178 mm	199.5 mm	6-1/2"	18"	.402"	600
64024	65024	66024	67024	7-1/2"	190 mm	213 mm	6-1/2"	18"	.402"	600
64026	65026	66026	67026	8"	203 mm	227.5 mm	6-1/2"	18"	.402"	600

These brushes are always to be used with a lubricant. Some common choices are water-soluble oils, mineral oils, motor oils, cutting and tapping fluids.



STANDARD-DUTY & HEAVY-DUTY

APPLICATIONS

- Cross Hole Deburring
- Deburring Internal Bores and Cylinders
- Surface Finishing
- Deglazing Cylinder Walls

INDUSTRIES

- Automotive
- Aerospace
- Marine
- Oil and Gas
- Tube, Pump and Valve Production
- Military
- Firearms

BENEFITS

- Improves Oil Retention by Creating Cross-hatch Patterns
- Better Part Efficiency
- The Flexible Nylon Stems Help the Brush Distribute Pressure Evenly; Creating the Perfect Hone
- Improve Internal Surface Finish with Resilient, Flexible Bore-Hone™

Disc Brush Drive Arbors

Used to securely mount disc brushes for use in any type of milling or CNC machine. Drive arbor shaft is 3/4" diameter for use in any live tool holder. Drive arbor includes bolt and washer, part no. 35075.



DRIVE ARBOR PART NO.	FOR BRUSH DIAMETER	SHAFT DIAMETER	NUMBER OF LOCATOR PINS
35050	3", 4", 5"	3/4"	2
35055	6"	3/4"	2
***35060**	6"	3/4"	3
35065	8"	3/4"	4
35070	10", 12", 14"	3/4"	4

***Use with 6" teardrop pattern disc brushes.**

REPLACEMENT BOLT/WASHER KIT	FOR BRUSH DIAMETER
35075	ALL

Disc Brush Bands

Apply to disc or end brushes to prevent flare and enhance aggressive action. To use, insert bands on disc where filament meets composite material.



TANIS PART NO.	FOR BRUSH DIAMETER	RING ID	RING OD	RING WIDTH
35080	1-1/2"	1-1/8"	1-1/2"	.210"
35082	2"	1-1/2"	1-7/8"	.210"
35083	2-1/2"	2"	2-3/8"	.210"
35084	3"	2-1/2"	2-7/8"	.210"
35086	4"	3-1/4"	3-5/8"	.210"
35088	5"	4-3/8"	4-3/4"	.210"
35090	6"	5-1/8"	5-5/8"	.275"
35092	8"	7"	7-1/2"	.275"
35094	10"	9"	9-1/2"	.275"
35096	12"	11"	11-1/2"	.275"
35098	14"	13"	13-1/2"	.275"

Package quantity: 3 per pack.

Mini Disc Brush Drive Arbor

Used to securely mount mini disc brushes for use in any type of milling or CNC machine. Drive arbor shaft is 1/2" diameter for use in any live tool holder. Set screw included in each brush to secure brush to drive arbor.



TANIS PART NO.	BRUSH DIAMETER	SHAFT DIAMETER	MAX. RPM
35048	2", 3"	1/2"	4,500

Wheel Brush Adapter Plates

These slip-fit metal adapters are used for mounting nylon abrasive wheel brushes onto smaller shafts. Sold in pairs. Available for 4-1/4" and 5-1/4" brush ID wheels and 2" brush ID wheels.

TANIS PART NO.	ADAPTER FITS ARBOR HOLE	ADAPTER ID	KEYWAY SIZE	FITS WHEEL BRUSH DIAMETER SIZE
35040	4-1/4"	2"	1/2 x 1/4 (2)	12"
35045	5-1/4"	2"	1/2 x 1/4 (2)	14"



TANIS PART NO.	ADAPTER FITS ARBOR HOLE	ADAPTER ID	FITS WHEEL BRUSH DIAMETER SIZE
35005	2"	1/2"	6", 8", 10"
35010	2"	5/8"	6", 8", 10"
35015	2"	3/4"	6", 8", 10"
35020	2"	7/8"	6", 8", 10"
35025	2"	1"	6", 8", 10"
35030	2"	1-1/4"	6", 8", 10"
35035	2"	1-1/2"	6", 8", 10"



Wheel Brush Adapter Plates for CNC Machine Shell Mill Holders

Tanis' Wheel Brush Adapter, designed by our engineering team to support automated deburring, allows simple attachment of wheel brushes to CNC machines. No hassle coupling is accomplished by placing the adapter plates on both sides of the wheel brush and securing the device with a bolt to the shell mill holder. Set screws prevent the brush from rotating.

TANIS PART NO.	FACE WIDTH	BRUSH ID	PILOT	FITS WHEEL BRUSH DIAMETER SIZE
35900	Standard	3/4"	3/4"	4", 5", 6" with 3/4" Arbor Hole
35902	Thin	2"	3/4"	6", 8", 10"
35905	Standard	2"	3/4"	6", 8", 10"
35907	Standard	2"	1-1/4"	6", 8", 10"
35910	Standard	4-1/4"	1-1/4"	12"
35915	Standard	5-1/4"	1-1/4"	14"+
35920	Double	2"	1-1/4"	6", 8", 10"
35925	Double	4-1/4"	1-1/4"	12"
35930	Double	5-1/4"	1-1/4"	14"+



CNC Wheel Brush Adapter Steps



-1-



-2-



-3-



-4-



-5-

NEW

Brush Extensions

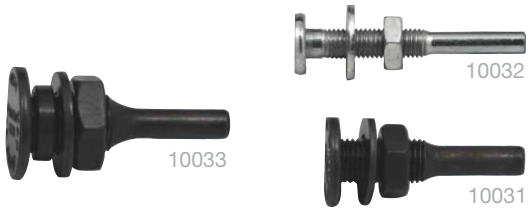


TANIS PART NO.	COMPATIBLE WITH BRUSH ARBOR HOLES OF:	LENGTH OF EXTENSION	BRUSH TYPE
10020	1/4"	6"	Copper Center Wheel
10022	1/2" & 5/8"	12"	Copper Center Wheel (1/2") or Metal Hub Wheel (5/8")

Each part number comes with 1 extension and 3 shoulder bolts. Capable of holding up to 3 wheels. Brushes sold separately.

Air Motor Shanks

For air motors and flexible shafts. Accepts single or multiple brushes.



TANIS PART NO.	SHANK DIAMETER	ARBOR HOLE	FOR ARBOR WIDTH UP TO	OVERALL LENGTH
10030	1/4"	1/2"	3/8"	1-7/8"
10031	1/4"	3/8"	3/8"	1-5/8"
10032	3/16"	1/4"	3/4"	1-3/4"
10033	1/4"	5/8"	3/8"	1-7/8"

Drill Press Shanks

For use in portable tools and drill presses with 1/4" chuck adaptability.



TANIS PART NO.	SHANK DIAMETER	ARBOR HOLE	FOR ARBOR WIDTH UP TO	OVERALL LENGTH
10025	1/4"	1/4"	5/8"	2-1/2"
10026	1/4"	3/8"	7/8"	2-1/2"
10027	1/4"	1/2"	3/8"	2-1/2"

Plastic Bushings

Plastic bushings are designed for economical, one-time use to match the brush inside diameter with your mounting shaft. Available in a range of inner and outer diameters. For safety, use only one per brush. Flange eliminates side movement.



TANIS PART NO.	OUTSIDE DIAMETER	INSIDE DIAMETER
10035	3/8"	1/4"
10036	1/2"	1/4"
10037	1/2"	3/8"
10038	5/8"	1/2"

Diamond Grit Abrasive Brushes

Tanis Incorporated is introducing diamond grit abrasive brush products. Diamond brushes are most effective on super hard materials such as tungsten carbide, ceramics, diamond and glass. Diamond wheel brush tools are also effective on drill honing, polishing and honing indexable cutting tool inserts.

CUSTOMIZED TO FIT YOUR SPECIFICATIONS!

Please Contact Tanis Brush™ Technical Sales for More Information About Our Diamond Grit Brushes.



Various Brush Diameters, Face Widths and Trim Lengths Available

DIAMOND							
GRIT	120	220	240	400	600	800	1000
FILAMENT DIAMETER	.040	.024	.040	.020	.020	.010	.010

APPLICATIONS

- Post Coat Polish of Flutes on Carbide Drills
- Edge Honing Drill Point Lip Edge on Carbide Drills
- Edge Honing Indexable Cutting Tools Inserts



Need a Custom Brush?

OUR DESIGN & ENGINEERING TEAM CAN HELP!

Our commitment to you: To design and build brushes that can help fix an on-going problem with your operation or process. We've literally designed and built thousands of full custom and modified standard brushes for our customers, which include dozens of large and small OEMs to end users in the food service industry. This service is what separates us from other brush companies. Using the latest technologies, newest materials and our team of experienced engineers, we can design and make a brush that meets your expectations. Ranging from oversize to micro-size, industry specific colors, temperature performance, durability requirements or problem solving design, we've got you covered!



Contact us today for a free estimate.

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POWER

BRUSHES



Wire Brush Selection

Between the brush (filament) and the surface there must be:

Mechanical Compatibility
Relation between the hardness of the tool and the surface to be treated. It's not recommended to use hard carbon steel for light deburring of a soft metal like aluminum. An alternative recommendation is to use synthetic filaments.

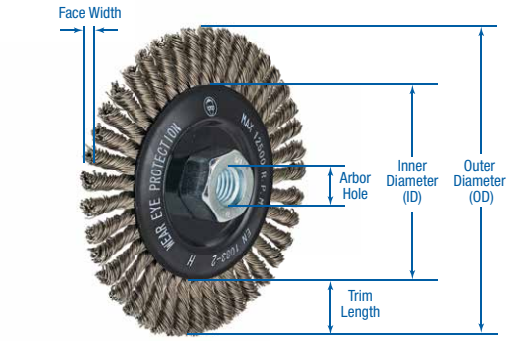
Chemical Compatibility
The wire must withstand the corrosive attacks from the chemical environment. It's not recommended to use carbon steel brushes in the presence of acid solutions and high salt environments and the contamination of the processed material must be avoided (it's not recommended to use carbon steel brushes on stainless steel surfaces).

Choosing the Brush Shape

Brush size and shape must be chosen considering the part shape, the specific brushing operation, the power tool and the working environment. (For example, cup, disc or roller brushes are recommended for working on flat surfaces.)

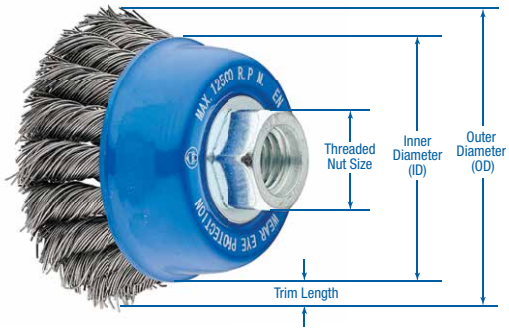
Wheel Brushes suitable as cavities cleaning and edges deburring (weld cleaning within chamfers or pipe heads, pipes deburring).





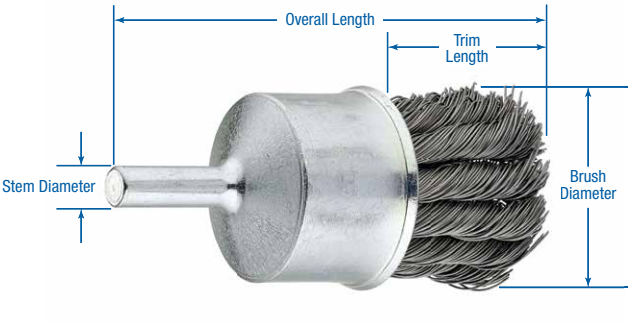
Cup Brushes ideal for flat surfaces. They allow to brush wide bands and ease surface finishing operations.



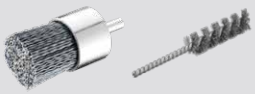


End Brushes suitable for holes and cavities cleaning. Filling material can be set inside holes. Once it starts spinning it will spread out allowing the cavity side walls to be brushed. For this same reason end brushes are not suitable for flat surfaces brushing.





Choosing the Brush Shape

APPLICATION	STEEL	STAINLESS STEEL	NON FERROUS
Edge Deburring and Radiusing			
Holes/Bores Deburring and Radiusing			
Rust/Scale Removal, Weld Cleaning			
Descaling, Pickling and Coating Removal			

The brush shape is influenced by the mounting on the power tool or machine engine. Many brushes are manufactured with a threaded nut, plain bore or with a shaft depending on the tool, spindle-holder or mandrel they will be mounted on.

Choosing the Brush Size

Brush Outer Diameter influences peripheral speed. Generally the larger the OD the lower the number of rotations to obtain the surface removal job. So less time to do the same work. In order to improve the efficiency it's recommended to choose the biggest Outer Diameter possible consistent with the tool selected, the tool guards and the tool maximum safe speed.

Matching between maximum rotating speed and maximum tool diameter for the most common angle grinders available on the market.

MAX DIAMETER	4-1/2"/115mm	5"/125mm	6"/150mm	7"/180mm	9"/230mm
MAX FREE SPEED	12,500 rpm	11,000 rpm	9,000 rpm	8,500 rpm	6,500 rpm

Be aware that the Outer Diameter of end brushes and cup brushes increase significantly when they rotate.
For related information, see Power, Speed and Pressure paragraph on page 110.

Select wire brushes with diameters ranging from 1mm - 0.04" to 1000mm - 40".
The products in our catalog provide recommended MAX RPMs.

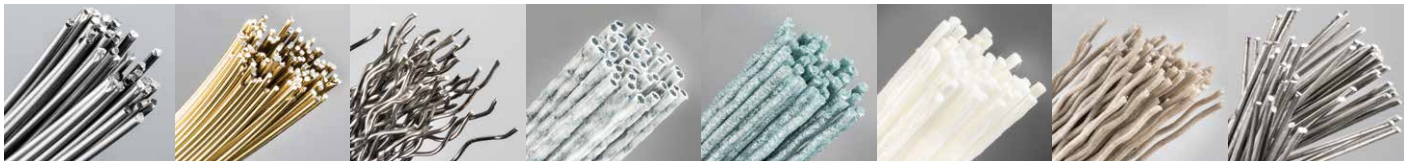
Choosing the Wire Diameter

Wire size greatly influences surface brushing aggressiveness and the obtainable finishing.

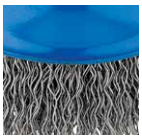
Thin filaments are more flexible and have higher fatigue resistance but they are less aggressive. A bigger diameter gives higher aggressiveness but is also susceptibility to breakage.

This is why you should always try to use the thinnest filament possible compatibly with the desired finishing.

We offer filling materials with diameters from 0.10mm - 0.004" to 2.5mm - 0.1" and a product range that covers almost all of the possible brushing applications, from a light finishing to a heavy removal. Custom size for special applications are available upon request.



Choosing the Wire Style

WIRE STYLE	APPLICATIONS	ADVANTAGES
 **Crimped Wire**	Ideal for light-duty operations such as paint, rust, scales, light coatings (deburring gear splines) and small burrs removal; light deburring and pipe heads deburring.	High tensile strength Suitable for high rotational speeds Long lifetime Cost/lifetime convenience
 **Twist Knots**	More aggressive than crimped wire, suitable for heavy-duty jobs. Weld preparation and cleaning (butt-welded pipes), large pipe heads deburring, heavy burrs removal and foundry applications.	High aggressiveness Long lifetime
 **Smooth Synthetic Filament**	Suitable for soft surfaces cleaning, protection and sealing from air, dust, moisture and temperature (Strip linear brushes).	Great finishing Optimal density Dimensional stability (size retention)
 **Crimped Synthetic Filament**	Suitable for the removal of heavy dust and debris.	High resistance Great stiffness

Choosing the Fill Density

Wire density affects the “hardness” of the brush surface: the thicker the wire, the harder the surface since there is a greater number of individual working tips (for a set area). High density brushes are characterized by lower penetration into the surface and smaller opening during processing. Wire density also affects the service life; distributing the brushing action among multiple tips of wire makes each filament less deformable. On the other hand, high density brushes accumulate greater frictional heat, therefore increasing the risk of overheating the brushed surface.

For example, pipe deburring operations require roller brushes made of different filling density depending on the diameter and the thickness of the pipe. Different sizes and thickness need different levels of interference.

Choosing the Trim Length

The trim length affects the stiffness of the wires and the hardness of the brushing surface: a longer trim length improves the flexibility and the penetration of the part. A shorter trim length improves the lifetime: there is lower wire deformation which means lower mechanical stress and lower risk of wire breakage.

In case of applications with fixed pressure (constant during the application, as an absolute value, not related to the trim length) choosing a short trim length will require the use of stiff brushes and working with high pressures in order to obtain the desired penetration. The brushing is very aggressive but the filament is susceptible to fatigue breakage.

For a set angular velocity it’s better to choose a longer trim length in order to obtain the desired penetration (interference) with less pressure/load; the brushing will be less aggressive but it will have a longer lifetime and a better performance.



+ **TRIM LENGTH** =

- **+ Flexibility**
- **+ Penetration (Interference)**
- **+ Wire Deformation**
- **+ Peripheral Speed = Energy and Efficiency**
- **+ Vibration and Overheating**
- **+ Applicable Pressure**
- **+ Fatigue Failure Risk**

Power, Speed and Pressure

Brush selection criteria considered until this point have to be evaluated together with the characteristics (power, speed and pressure) of the source of power since these have a strong influence on the surface finishing. For example, a higher pressure will increase the face width of the brush obtaining a smoother surface finish. Brush characteristics together with operating parameters will determine the output of the surface treatment job. The surface finish has to be evaluated in terms of operational quality and efficiency: they are not always matching.

Unlike a coated abrasive wheel, a wire brush isn't a metal removal tool. Wire brushes are "impact" or "cutting" tools made up of thousands of wire tips attacking and shattering the surface to remove the adherence—be it rust, paint, oxidation, burr or anything else. Also unlike coated, bonded, or nonwoven abrasive tools, power brushes work with lower risk of deeply cutting the part, changing its shape and/or damaging previous finishing.

TABLE 1

Metallic Wire

Recommended peripheral speed [m/s or ft/min] for steel wire wheel, cup and bevel brushes.

M/S	10	15	20	25	30	35	40	45	50	80
APPLICATIONS FT/MIN	1,980	2,940	3,960	4,920	5,880	6,900	7,860	8,880	9,840	15,720
Deburring and Radiusing		-	-				*	*		
Weld Cleaning					-	-				*
Descaling, Pickling, Rust and Paint Removal				-	-				*	
Structuring, Forming and Roughening				-				*		
Cleaning, Dusting and Polishing				-				*		
Treating Plastic Surface	-			*						

- Extensions for strong metals (twist knots wire and encapsulated brushes).

* Extension for light metals (S-Steel and non-ferrous metals).

TABLE 2

Synthetic Filament

Recommended peripheral speed [m/s or ft/min] for synthetic filament wheel brushes.

M/S	10	15	20	25	30	35	40	45	50	80
APPLICATIONS FT/MIN	1,980	2,940	3,960	4,920	5,880	6,900	7,860	8,880	9,840	15,720
Deburring and Radiusing					+					
Weld Cleaning						+			●	
Descaling, Pickling, Rust and Paint Removal										
Structuring, Forming and Roughening										
Cleaning, Dusting and Polishing									●	

+ Extensions with coolant.

● Extension over 50m/s - 9840 ft/min with abrasive filaments HT150/250.

See table below to match the desired peripheral speed with the brush angular velocity and recommended diameter.

Relationship Between Diameter, Peripheral (Angular) Speed and RPM

$$v\ [m/s] = \frac{\text{Brush Diameter (D)} \cdot \pi \cdot \text{Revolutions Per Minute (RPM)}}{1000 \cdot 60}$$

SPEED RPM

DIAMETER MM		40	50	80	100	125	150	180	200	250	300	350
DIAMETER INCHES		1.5"	2"	3"	4"	5"	6"	7"	8"	10"	12"	14"
RPM	800	1.7	2.1	3.3	4.2	5.2	6.3	7.5	8.4	10.5	12.6	14.7
	1,000	2.1	2.6	4.2	5.2	6.5	7.9	9.4	10.5	13.1	15.7	18.3
	1,200	2.5	3.1	5.0	6.3	7.9	9.4	11.3	12.6	15.7	18.8	22.0
	1,500	3.1	3.9	6.3	7.9	9.8	11.8	14.1	15.7	19.6	23.6	27.5
	2,000	4.2	5.2	8.4	10.5	13.1	15.7	18.8	20.9	26.2	31.4	36.6
	3,000	6.3	7.9	12.6	15.7	19.6	23.6	28.3	31.4	39.3	47.1	55.0
	3,500	7.3	9.2	14.7	18.3	22.9	27.5	33.0	36.6	45.8	55.0	64.1
	4,000	8.4	10.5	16.7	20.9	26.2	31.4	37.7	41.9	52.3	62.8	73.3
	5,000	10.5	13.1	20.9	26.2	32.7	39.3	47.1	52.3	65.4	78.5	91.6
	6,000	12.6	15.7	25.1	31.4	39.3	47.1	56.5	62.8	78.5	94.2	109.9
	8,000	16.7	20.9	33.5	41.9	52.3	62.8	75.4	83.7	104.7	125.6	146.5
	10,000	20.9	26.2	41.9	52.3	65.4	78.5	94.2	104.7	130.8	157.0	183.2
	12,500	26.2	32.7	52.3	65.4	81.8	98.1	117.8	130.8	163.5	196.3	229.0
	15,000	31.4	39.3	62.8	78.5	98.1	117.8	141.3	157.0	196.3	235.5	274.8

1m = 328ft - 1 m/s = 197 ft/min

Crimped Wire Cup Brushes (For Lighter Cleaning)

Light cleaning of rust, paint and other materials. For use on angle grinders.




70504




70552

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	ARBOR HOLE	MAX. RPM
70504	3"	0.014	7/8"	5/8"-11	12,500
70512	4"	0.014	1-1/8"	5/8"-11	8,500

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	ARBOR HOLE	MAX. RPM
70552	3"	0.014	7/8"	5/8"-11	12,500
70556	4"	0.014	1-1/8"	5/8"-11	8,500

Twisted Knot Cup Brushes (For More Aggressive Cleaning)

Ideal to remove slags, rust, paint and other hard materials. For use on angle grinders.




70600




70610

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	ARBOR HOLE	MAX. RPM
***70600**	2-3/4"	0.014	7/8"	18	5/8"-11	12,500
***70602**	2-3/4"	0.020	7/8"	18	5/8"-11	12,500
****70610**	4"	0.020	1"	26	5/8"-11	8,500

***Without bridle. ****With bridle.**




70652




70658

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	ARBOR HOLE	MAX. RPM
***70652**	2-3/4"	0.020	7/8"	18	5/8"-11	12,500
****70658**	4"	0.020	1"	26	5/8"-11	8,500

***Without bridle. ****With bridle.**

Stem Mount Cup Brushes (To Mount on Machinery and Handheld Tools)

High density wire that is ideal for heavy-duty paint removing. For use on hand tools.

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
70700	2"	0.014	7/8"	1/4"	13,000
70704	2-1/2"	0.014	7/8"	1/4"	13,000
70707	2-3/4"	0.008	3/4"	1/4"	13,000



70704

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
70752	2"	0.014	7/8"	1/4"	13,000



70752

Additional size and wire options available.









Wheel Brushes for Grinder (To Mount on Angle Grinders)

Clean shaped surfaces or corners at high rotation speeds. Use for light deburring, rust removal and surface cleaning.



70088

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	FACE WIDTH	ARBOR HOLE	MAX. RPM
70088	4-1/2"	0.014	7/8"	1/2"	5/8"-11	12,500

Stem Mount Wire Wheel Brushes

Remove rust and light debris from any surface. Made of highly resistant crimped wire with a high wire density.



70108

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	FACE WIDTH	SHANK DIAMETER	MAX. RPM
70108	2"	0.014	1-1/8"	5/8"	1/4"	15,000
70112	3"	0.014	5/8"	5/8"	1/4"	15,000

Additional size and wire options available.



Twisted Knot Wheel Brushes (For Aggressive Performance)

Designed for heavy-duty applications such as weld preparation and the removal of large burrs.

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	ARBOR HOLE	MAX. RPM
70200	4"	0.020	3/4"	22	5/8"-11	20,000
70202	4-1/2"	0.020	7/8"	28	5/8"-11	12,500
70204	5"	0.020	1-1/8"	30	5/8"-11	10,000



70204

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	ARBOR HOLE	MAX. RPM
70252	5"	0.020	1-1/8"	30	5/8"-11	10,000



70252

Stringer Bead Twisted Knot Brushes (For Even More Aggressive Performance)

Designed for heavy-duty applications such as weld preparation and the removal of large burrs.

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	FACE WIDTH	ARBOR HOLE	MAX. RPM
70300	4"	0.020	3/4"	32	1/4"	5/8"-11	20,000
70304	5"	0.020	7/8"	40	1/4"	5/8"-11	12,500
70312	6"	0.020	1-1/8"	48	1/4"	5/8"-11	9,000



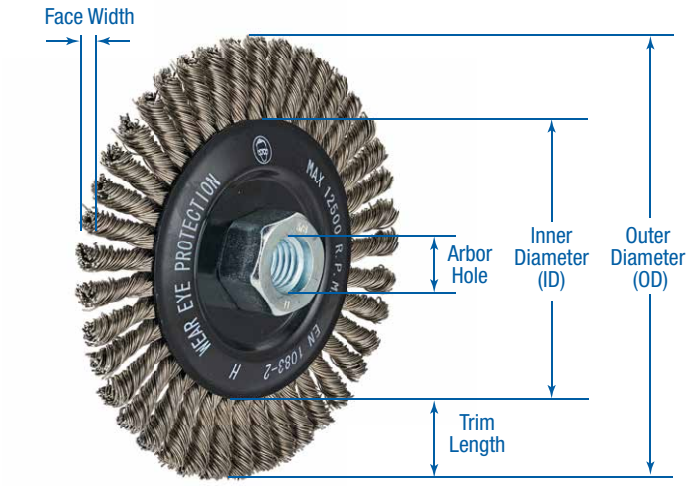
70312

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	FACE WIDTH	ARBOR HOLE	MAX. RPM
70352	4"	0.020	3/4"	32	1/4"	5/8"-11	20,000
70356	5"	0.020	7/8"	40	-	5/8"-11	12,500
70360	6"	0.020	1-1/8"	48	-	5/8"-11	9,000



70360



Twisted Knot Stem Mount Wheel Brushes

(To Mount on Machinery and Handheld Tools)

Aggressive cleaning suitable for removing slags and rust.



70400

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	FACE WIDTH	SHANK DIAMETER	MAX. RPM
70400	3"	0.014	3/4"	15	5/8"	1/4"	25,000
70406	3-1/4"	0.020	5/8"	20	5/8"	1/4"	25,000



70410

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	NO. OF KNOTS	FACE WIDTH	SHANK DIAMETER	MAX. RPM
70410	3"	0.014	3/4"	15	5/8"	1/4"	25,000

Additional size and wire options available.



Wire End Brushes

End brushes are made with 1/4" shank. Effective for cleaning and accurate brushing action in tight areas. Suggested applications include removing slag, scale, rust and paint; tool and die finishing and cleaning surface areas.

Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	OVERALL LENGTH	SHANK DIAMETER	MAX. RPM
11280	1/2"	.006	1"	2-3/4"	1/4"	20,000
11285	1/2"	.0104	1"	2-3/4"	1/4"	20,000
11290	1/2"	.014	1"	2-3/4"	1/4"	20,000
11295	1/2"	.020	1"	2-3/4"	1/4"	20,000
11300	3/4"	.006	1"	2-3/4"	1/4"	20,000
11305	3/4"	.0104	1"	2-3/4"	1/4"	20,000
11310	3/4"	.014	1"	2-3/4"	1/4"	20,000
11315	3/4"	.020	1"	2-3/4"	1/4"	20,000
11320	1"	.006	1"	2-3/4"	1/4"	20,000
11325	1"	.0104	1"	2-3/4"	1/4"	20,000
11330	1"	.014	1"	2-3/4"	1/4"	20,000
11335	1"	.020	1"	2-3/4"	1/4"	20,000



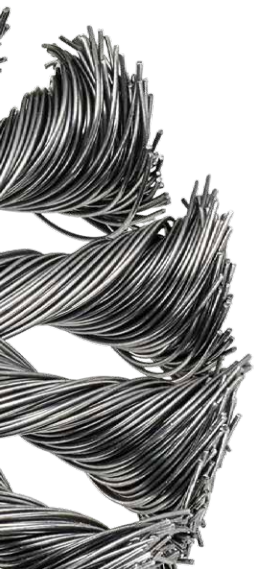
11330

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	OVERALL LENGTH	SHANK DIAMETER	MAX. RPM
11340	1/2"	.006	1"	2-3/4"	1/4"	20,000
11345	1/2"	.0104	1"	2-3/4"	1/4"	20,000
11350	1/2"	.014	1"	2-3/4"	1/4"	20,000
11355	3/4"	.006	1"	2-3/4"	1/4"	20,000
11360	3/4"	.0104	1"	2-3/4"	1/4"	20,000
11365	3/4"	.014	1"	2-3/4"	1/4"	20,000
11370	3/4"	.020	1"	2-3/4"	1/4"	20,000
11375	1"	.006	1"	2-3/4"	1/4"	20,000
11380	1"	.0104	1"	2-3/4"	1/4"	20,000
11385	1"	.014	1"	2-3/4"	1/4"	20,000



11385





Twisted Knot End Brushes (For Aggressive Performance)

Made of very resistant hardened steel wire. Aggressive deburring or cleaning use. For use on hand tools.



Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	SHANK DIAMETER	NO. OF KNOTS	MAX. RPM
71308	3/4"	.014	1-1/8"	1/4"	8	20,000
71324	1-1/8"	.014	1-1/8"	1/4"	12	20,000
71328	1-1/8"	.020	1-1/8"	1/4"	12	20,000



71328



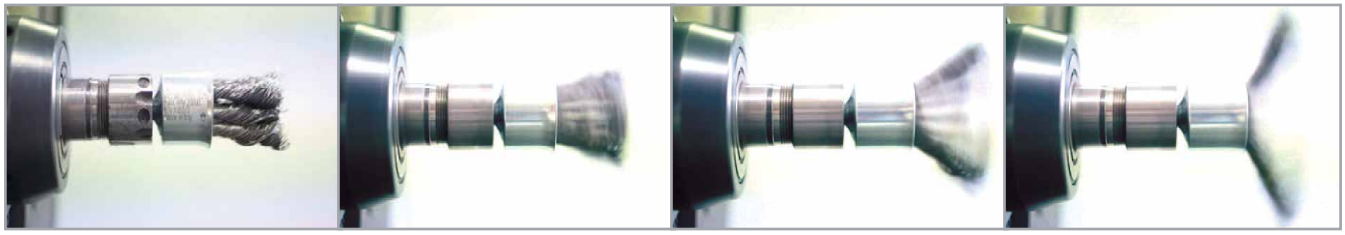
Stainless Steel

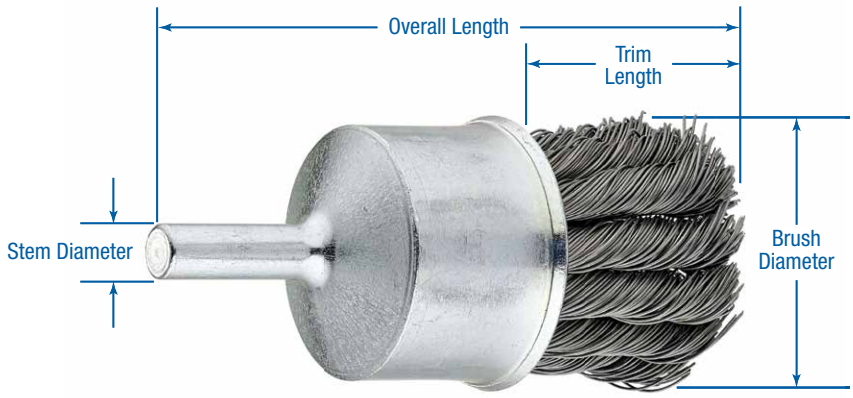
TANIS PART NO.	BRUSH DIAMETER	WIRE SIZE	TRIM LENGTH	SHANK DIAMETER	NO. OF KNOTS	MAX. RPM
71360	3/4"	.014	1"	1/4"	8	20,000
71364	1-1/8"	.014	7/8"	1/4"	12	20,000
71368	1-1/8"	.020	7/8"	1/4"	12	20,000



71368

Additional size and wire options available.





Copper Center Non-Metallic Wheels

Non-metallic wheels for soft or scratch susceptible surfaces. Nylon is often recommended for wet applications and polishing. Tampico is most commonly used in wet and dry cleaning applications. Suggested applications are polishing, smoothing and finish treating. Maximum safe running speed is 20,000 RPM.

Black Horse Hair

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
10595	2"	Horse Hair	1/2"	3/8"	17/32"	20,000
10600	3"	Horse Hair	1/2"	3/8"	1"	20,000



10600

Tampico

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
10655	2"	Tampico	1/2"	3/8"	17/32"	20,000
10660	3"	Tampico	1/2"	11/16"	15/16"	20,000



10655

Crimped Black Nylon Type 6-12

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
10610	1-1/2"	.010	3/8"	1/4"	3/8"	20,000
10615	2"	.008	1/2"	3/8"	17/32"	20,000
10620	2"	.010	1/2"	3/8"	17/32"	20,000
10625	2"	.016	1/2"	3/8"	17/32"	20,000
10635	3"	.010	1/2"	9/32"	1"	20,000
10640	3"	.016	1/2"	9/32"	11/16"	20,000
10645	3"	.010	5/8"	3/8"	15/16"	20,000
10650	4"	.010	5/8"	5/16"	1-7/16"	20,000



10625

Copper Center Crimped Wire Wheels

For cleaning, deburring, finishing or roughening hard to reach areas. Fixed or adaptable arbor sizes to fit your spindle. Wheels are balanced to prevent vibration and made with an internal solid steel ring. They can be used individually or mounted side-by-side for a wider brush face. Suggested applications: edge blending, appearance finishing, cleaning and polishing internal or external tube diameter surfaces and thread cleaning. Maximum safe running speed is 20,000 RPM.



10325

Power brush accessories available on page 102.



Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
10105	1"	.006	1/4"	11/64"	1/4"	20,000
10110	1-1/4"	.006	1/4"	3/16"	11/32"	20,000
10120	1-1/4"	.006	3/8"	7/32"	1/4"	20,000
10125	1-1/4"	.008	3/8"	7/32"	1/4"	20,000
10145	1-3/8"	.006	1/4"	3/16"	13/32"	20,000
10150	1-3/8"	.008	1/4"	3/16"	13/32"	20,000
10155	1-3/8"	.010	1/4"	3/16"	13/32"	20,000
10165	1-3/8"	.008	3/8"	9/32"	5/16"	20,000
10185	1-1/2"	.006	3/8"	9/32"	3/8"	20,000
10190	1-1/2"	.008	3/8"	9/32"	3/8"	20,000
10195	1-1/2"	.010	3/8"	9/32"	3/8"	20,000
10200	1-1/2"	.012	3/8"	9/32"	3/8"	20,000
10205	1-1/2"	.014	3/8"	9/32"	3/8"	20,000
10215	1-1/2"	.008	1/2"	9/32"	9/32"	20,000
10235	2"	.006	1/2"	11/32"	17/32"	20,000
10240	2"	.008	1/2"	9/32"	17/32"	20,000
10245	2"	.010	1/2"	9/32"	17/32"	20,000
10250	2"	.012	1/2"	9/32"	17/32"	20,000
10255	2"	.014	1/2"	9/32"	17/32"	20,000
10295	2-1/2"	.012	1/2"	9/32"	3/4"	20,000
10300	2-1/2"	.014	1/2"	9/32"	3/4"	20,000
10310	2-1/2"	.012	5/8"	9/32"	11/16"	20,000
10320	3"	.006	1/2"	3/8"	1"	20,000
10325	3"	.008	1/2"	3/8"	1"	20,000
10330	3"	.010	1/2"	3/8"	1"	20,000
10335	3"	.012	1/2"	3/8"	1"	20,000
10340	3"	.014	1/2"	3/8"	1"	20,000
10345	3"	.006	5/8"	3/8"	15/16"	20,000
10350	3"	.008	5/8"	3/8"	15/16"	20,000
10355	3"	.012	5/8"	3/8"	15/16"	20,000
10360	3"	.014	5/8"	3/8"	15/16"	20,000
10365	4"	.006	1/2"	1/4"	1-1/2"	20,000
10370	4"	.008	1/2"	11/32"	1-1/2"	20,000
10380	4"	.012	1/2"	11/32"	1-1/2"	20,000
10385	4"	.014	1/2"	11/32"	1-1/2"	20,000
10390	4"	.006	5/8"	11/16"	1-7/16"	20,000
10395	4"	.012	5/8"	11/16"	1-7/16"	20,000

Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
10400	1"	.006	1/4"	11/64"	1/4"	20,000
10405	1-1/4"	.006	1/4"	3/16"	11/32"	20,000
10410	1-1/2"	.006	3/8"	9/32"	3/8"	20,000
10415	1-1/2"	.008	3/8"	9/32"	3/8"	20,000
10430	2"	.006	1/2"	11/32"	17/32"	20,000
10440	2"	.010	1/2"	9/32"	17/32"	20,000
10450	2"	.014	1/2"	9/32"	17/32"	20,000
10455	3"	.006	1/2"	3/8"	1"	20,000
10460	3"	.008	1/2"	3/8"	1"	20,000
10465	3"	.010	1/2"	3/8"	1"	20,000
10475	3"	.014	1/2"	3/8"	1"	20,000
10480	3"	.006	5/8"	3/8"	15/16"	20,000
10495	4"	.006	5/8"	11/16"	1-7/16"	20,000
10500	4"	.010	5/8"	11/16"	1-7/16"	20,000
10505	4"	.012	5/8"	11/16"	1-7/16"	20,000



10460

Brass

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	ARBOR HOLE	FACE WIDTH	TRIM LENGTH	MAX. RPM
10545	1-1/2"	.005	3/8"	9/32"	3/8"	20,000
10550	2"	.005	3/8"	11/32"	5/8"	20,000
10555	2"	.005	1/2"	11/32"	17/32"	20,000
10575	2"	.014	1/2"	11/32"	17/32"	20,000
10585	4"	.005	5/8"	11/16"	1-7/16"	20,000



10555

Power brush accessories available on page 102.



Miniature Wheel Brushes

Permanently mounted on steel stem for use with portable and flexible tools. Constructed with perfect balance for longer brush life and no vibration during use. Suggested applications include light cleaning and deburring and blending of surface junctures.



Carbon Steel

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
11460	3/4"	.003	3/16"	1/8"	25,000
11465	3/4"	.005	3/16"	1/8"	25,000
11470	3/4"	.003	3/16"	3/32"	25,000
11475	3/4"	.005	3/16"	3/32"	25,000
11480	1"	.003	5/16"	1/8"	25,000
11485	1"	.005	5/16"	1/8"	25,000
11490	1"	.005	5/16"	3/32"	25,000
11495	1-1/4"	.005	3/8"	1/8"	25,000
11500	1-1/2"	.005	1/2"	1/8"	25,000



Stainless Steel

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
11505	3/4"	.005	3/16"	1/8"	25,000
11510	1"	.003	3/16"	1/8"	25,000



Brass

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
11515	3/4"	.003	3/16"	3/32"	25,000
11520	3/4"	.005	3/16"	3/32"	25,000
11525	1"	.005	5/16"	1/8"	25,000



Bristle

TANIS PART NO.	BRUSH DIAMETER	FILAMENT MATERIAL	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
11530	3/4"	Stiff Hair	3/16"	3/32"	25,000
11535	3/4"	Soft Hair	3/16"	3/32"	25,000
11540	3/4"	*Stiff Hair	3/16"	3/32"	25,000
11545	3/4"	Stiff Hair	3/16"	1/8"	25,000

***Double thick.**



Miniature Cup Brushes

Permanently mounted on steel stem for use with portable and flexible tools. Constructed with perfect balance, fill material is evenly distributed around brush face for uniform wear and longer brush life. Suggested applications include light deburring, blending surfaces and light cleaning in small electronic instruments.

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
11550	5/8"	.003 Carbon Steel	1/4"	1/8"	25,000
11555	5/8"	.005 Carbon Steel	1/4"	1/8"	25,000
11560	5/8"	.005 Stainless Steel	1/4"	1/8"	25,000
11565	5/8"	.003 Brass	1/4"	1/8"	25,000
11570	5/8"	.005 Brass	1/4"	1/8"	25,000
11575	1/2"	Stiff Hair	5/32"	3/32"	25,000
11580	9/16"	Stiff Hair	1/4"	1/8"	25,000
11585	9/16"	Soft Hair	1/4"	1/8"	25,000
11590	1"	Stiff Hair	7/16"	1/8"	25,000
11595	1"	Soft Hair	7/16"	1/8"	25,000



Miniature End Brushes

Constructed with perfect balance for longer brush life and uniform wear around the brush face. Ferrule and steel stem are a one-piece construction to ensure no separation during operation. Suggested applications include blending surface areas, light cleaning in small electronic instruments and light deburring.

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	SHANK DIAMETER	MAX. RPM
11600	3/16"	.003 Carbon Steel	1/4"	1/8"	25,000
11605	3/16"	.003 Carbon Steel	1/4"	3/32"	25,000
11610	1/4"	.005 Carbon Steel	7/16"	1/8"	25,000
11615	5/16"	.005 Carbon Steel	9/16"	1/8"	25,000
11620	3/16"	.003 Stainless Steel	1/4"	1/8"	25,000
11625	1/4"	.005 Stainless Steel	7/16"	1/8"	25,000
11630	5/16"	.005 Stainless Steel	9/16"	1/8"	25,000
11635	3/16"	.003 Brass	1/4"	1/8"	25,000
11640	1/4"	.005 Brass	7/16"	1/8"	25,000
11645	3/16"	Stiff Hair	1/4"	3/32"	25,000
11650	3/16"	Stiff Hair	1/4"	1/8"	25,000
11655	3/16"	Soft Hair	1/4"	1/8"	25,000
11660	1/4"	Stiff Hair	3/8"	3/32"	25,000
11665	1/4"	Stiff Hair	3/8"	1/8"	25,000
11670	5/16"	Stiff Hair	9/16"	1/8"	25,000



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ARTIST

B R U S H E S



Red Sable Marking Brushes



Red sable marking brushes with seamless aluminum ferrule and walnut color lacquered handle. Quality material that has a soft texture and shape enabling brush to hold fluid colors. Excellent for detail work due to needle sharp point.

TANIS PART NO.	SIZE	BRUSH DIAMETER	TRIM LENGTH	OVERALL LENGTH
00328	#000	1/16"	7/32"	7-1/2"
00329	#00	1/16"	15/64"	7-1/2"
00330	#0	5/64"	9/32"	7-1/2"
00331	#1	5/64"	5/16"	7-1/2"
00332	#2	3/32"	3/8"	7-1/2"
00333	#3	7/64"	7/16"	7-1/2"
00334	#4	1/8"	1/2"	7-1/2"
00335	#5	9/64"	9/16"	7-1/2"
00336	#6	5/32"	21/32"	7-1/2"

Taklon White Artist Brushes



White taklon brushes with seamless aluminum ferrule and unfinished wood handle. Taklon is a tapered nylon material to provide an even flow. Ideal for acrylics.

TANIS PART NO.	SIZE	BRUSH DIAMETER	TRIM LENGTH	OVERALL LENGTH
00290	#0	5/64"	5/16"	7-1/2"
00291	#1	3/32"	3/8"	7-1/2"
00292	#2	3/32"	7/16"	7-1/2"
00294	#4	1/8"	9/16"	7-1/2"
00296	#6	3/16"	11/16"	7-1/2"
00298	#8	7/32"	7/8"	7-1/2"
00299	#10	1/4"	15/16"	7-1/2"

Round White Bristle Marking Brushes



Round white bristle marking brushes with aluminum ferrule and white wood handle. Natural split ends of material holds onto heavy paint. Best choice for oil and acrylic. Excellent for industrial general marking purposes or touch-up work.

TANIS PART NO.	SIZE	BRUSH DIAMETER	TRIM LENGTH	OVERALL LENGTH
00365	#1	7/64"	5/8"	7"
00366	#2	5/32"	3/4"	7"
00367	#3	3/16"	7/8"	7"
00368	#4	7/32"	1"	7"
00369	#5	1/4"	1-1/8"	7"
00370	#6	9/32"	1-1/4"	7"

White Bristle Marking Brushes



White bristle marking brushes with seamless aluminum ferrule and unfinished wood handle. Holds onto heavy paint due to the split ends of each bristle. Best choice for oil and acrylic.

TANIS PART NO.	SIZE	BRUSH DIAMETER	TRIM LENGTH	OVERALL LENGTH
00280	#0	3/32"	1/2"	11-5/16"
00281	#1	1/8"	11/16"	11-9/16"
00282	#2	5/32"	3/4"	11-3/4"
00283	#3	3/16"	7/8"	12-3/32"
00284	#4	7/32"	1"	12-5/16"
00285	#5	9/32"	1-1/16"	12-1/2"
00286	#6	5/16"	1-1/8"	12-11/16"

Black Bristle Fitch Brushes


00272

Fitch brush with black bristle and tapered trim for detail work. Made with aluminum ferrule and unfinished wood handle. Black bristle used best with oil and acrylic.

TANIS PART NO.	BRUSH DIAMETER	TRIM LENGTH	OVERALL LENGTH
00270	1/4"	13/16"	12"
00271	3/8"	7/8"	12"
00272	1/2"	1"	12"
00273	3/4"	1-5/16"	13"
00274	1"	1-1/2"	13"

Gold Nylon Flat Artist Brushes


00225

Gold nylon brushes have seamless aluminum ferrule and enameled wood handle. Nylon is a long wearing synthetic filament that provides an even flow. Ideal for acrylics.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00221	#2	5/32"	7/32"	7"
00222	#4	3/16"	1/4"	7-1/8"
00223	#6	1/4"	5/16"	7-1/4"
00224	#8	5/16"	3/8"	7-1/2"
00225	#10	3/8"	7/16"	7-5/8"
00226	-	3/4"	1-1/8"	8"
00227	-	1"	1-1/4"	8"

Camel Hair Flat Lacquering Brushes


00393

Camel hair flat lacquering brushes have seamless aluminum ferrule and black wood handle. Material is very absorbent and works well with liquid paints, inks and dyes. Excellent for touch-up work.

TANIS PART NO.	SIZE	TRIM LENGTH	OVERALL LENGTH
00390	1/8"	1/2"	7"
00391	1/4"	9/16"	7"
00392	3/8"	11/16"	7"
00393	1/2"	3/4"	7"
00394	5/8"	7/8"	7"
00395	3/4"	1"	7"

Black Sable Ox Hair Stroke Brushes


00323

Black sable ox hair stroke brushes with seamless aluminum ferrule and orange polished handle. Quality material that has a soft texture and holds fluid colors for a sharp stroke.

TANIS PART NO.	SIZE	TRIM LENGTH	OVERALL LENGTH
00322	1/8"	5/8"	7-1/2"
00323	1/4"	13/16"	7-1/2"
00324	3/8"	15/16"	7-1/2"
00325	1/2"	1-1/8"	7-1/2"
00326	3/4"	1-5/16"	7-1/2"



White Bristle Fan Marking Brushes

Fan tip white bristle marking brush made with seamless nickel plated brass ferrule and unfinished wood handle. Natural split ends of material holds onto heavy paint. Best used with oil and acrylic.

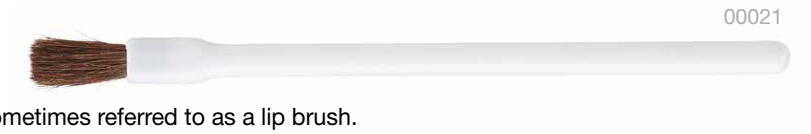
TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00201	#1	7/8"	1/2"	7-3/8"
00202	#2	1"	9/16"	7-1/2"
00203	#3	1-18"	5/8"	7-5/8"
00204	#4	1-3/8"	3/4"	7-5/8"
00206	#6	1-7/8"	7/8"	8"



Fine White Bristle Stencil Brushes

Stiff white bristle in a seamless ferrule and unfinished wood handle.

TANIS PART NO.	SIZE	DIAMETER	TRIM LENGTH	OVERALL LENGTH
00210	#1	3/16"	1/2"	5-1/2"
00211	#2	7/32"	9/16"	5-5/8"
00212	#4	9/32"	11/6"	6"
00213	#6	3/8"	7/8"	6-1/4"
00214	#8	7/16"	15/16"	6-1/2"



Pony Hair Detail Brushes

Pony hair secured in a plastic ferrule and handle. Sometimes referred to as a lip brush.

TANIS PART NO.	DIAMETER	TRIM LENGTH	OVERALL LENGTH
00021	1/8"	3/8"	3-3/8"





PAINT & PARTS CLEANING

BRUSHES

Utility Brushes

Paint and Parts Cleaning Brushes are used for several painting and cleaning applications where a disposable brush is necessary at an economical cost. Brushes in this section are used for general industrial painting and cleaning applications and purposes.



Flat Sash Paint Brushes

Pure bristle with nickel ferrule for quality industrial jobs.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00100	1"	7/16"	2-1/4"	10-1/2"
00102	2"	9/16"	2-3/4"	11"



Flat Sash Paint Brushes

Pure bristle with long flat plastic handle for general industrial jobs.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00111	1"	3/8"	2"	10-3/4"
00113	2"	1/2"	2-1/4"	11"



White Bristle Chip Brushes

Disposable paint brush with white bristle fill and wood handle for general cleaning and painting.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00230	1/2"	1/4"	1-1/2"	7"
00231	1"	5/16"	1-5/8"	7-1/2"
00232	1-1/2"	5/16"	1-5/8"	7-1/2"
00233	2"	5/16"	1-5/8"	7-1/2"
00234	3"	3/8"	1-5/8"	7-1/2"
00235	4"	3/8"	1-5/8"	7-1/2"



Polyester Chip Brushes

Disposable paint brush with polyester fill and plastic handle used for general cleaning and painting.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00250	1/2"	1/4"	1-1/2"	7-1/4"
***00251**	1"	5/16"	1-5/8"	7-1/4"
00252	1-1/2"	5/16"	1-5/8"	7-1/4"
00253	2"	5/16"	1-5/8"	7-1/2"
00254	3"	3/8"	1-5/8"	8-1/4"

***Only red brushes available.**



Round Wire Chip Brushes

Round ferrule with stainless steel fill, long trim and twisted wire loop handle.
Excellent for removing metal chips especially in high temperature applications.

TANIS PART NO.	BRUSH DIAMETER	FILAMENT DIAMETER	TRIM LENGTH	OVERALL LENGTH
08091	7/8"	.005	1-1/2"	9"
08092	7/8"	.005	1-1/2"	18"

Oval Sash Paint Brushes

Pure bristle with steel ferrule and lacquer plastic handle.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00302	#2	7/16"	1-7/8"	8-1/2"
***00304**	#4	9/16"	2"	9-1/2"
00306	#6	13/16"	2-1/4"	10"
00308	#8	15/16"	2-1/4"	10-3/4"
00310	#10	1-1/16"	2-1/2"	11"
00312	#12	1-3/16"	2-3/4"	11-1/2"

***Wood handle.**


00304

Parts Cleaning Brushes

Tampico material. Durable natural fiber. Excellent utility brush for cleaning hard to reach areas.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00303	#8	1"	2-7/8"	11-1/4"
00305	#10	1-1/8"	2-7/8"	11-1/2"


00303

Parts Cleaning Brushes

Polypropylene material. Rugged synthetic fill. Excellent utility brush for cleaning hard to reach areas especially where chemicals or acids are used.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00307	#8	1"	2-7/8"	11-1/4"
00309	#10	1-1/8"	2-7/8"	11-1/2"


00309

Round Bridled Glue Brushes

Grey bristle with a wood handle. Brush part is bridled by a wire to stiffen the brush. Wire can be cut off for longer brush life.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
00350	#2	1/4"	1-1/4"	7-1/4"
00351	#4	3/8"	1-3/8"	7-1/4"
00352	#6	1/2"	1-5/8"	8"
00353	#8	5/8"	1-3/4"	8"
00354	#10	3/4"	1-7/8"	8"
00356	#14	1-3/8"	1-5/8"	11"
00360	#22	1-5/8"	2-1/2"	11"


00353

Tin Handle Acid Brushes

Horse hair fill with tin plated handle.

TANIS PART NO.	SIZE	WIDTH	TRIM LENGTH	OVERALL LENGTH
02000	#0	1/4"	3/4"	6"
02001	#1	3/8"	3/4"	6"
02002	#2	1/2"	3/4"	6"
02003	#3	9/16"	3/4"	6"


02001

Wood Handle Dope Brush

Horse hair fill with metal ferrule and wood handle.

TANIS PART NO.	BRUSH DIAMETER	TRIM LENGTH	OVERALL LENGTH
02007	1-3/16"	1-1/8"	7"


02007

SPID® Brush

This practical, handy, resistant, universal brush is ideal to remove rust, paint and dirt from any kind of surface. Its narrow face, curvature and ergonomic handle make it the perfect hand brush.



71400

TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71400	Brass Coated Steel	Red	1"	5/8"	9-5/8"



71410

TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71410	Stainless Steel	Green	1"	5/8"	9-5/8"



71420

TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71420	Brass	Yellow	1"	5/8"	9-5/8"



71430

TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71430	Nylon	Blue	1-1/4"	5/8"	9-5/8"



71440

TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71440	Soft PVC	Light Blue	2"	3/4"	9-5/8"



71450

TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71450	Brass Coated Steel	Blue	1"	5/8"	14-5/8"

G Power Brush

The convenient, multi-functional goblet brush is now enhanced to work with power tools. Use on hard to reach jobs that need more attention. Works on wet or dry applications. Stainless steel stem.



90771

TANIS PART NO.	FILAMENT	HANDLE	TRIM	FACE WIDTH	OVERALL LENGTH
90771	Polypropylene	Shank	2"	3/4"	10-7/8"

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SCRATCH

BRUSHES

Applicator Brushes

These brushes, offered in many shapes and styles, are specially designed for cleaning hard-to-reach places in industrial environments.



08000

Solid bent hardwood block. Wire material is hand drawn into a wood block. Excellent for spot cleaning.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
08000	.005 Stainless Steel	8-3/8" x 1"	4 x 7	3/4"	1-5/8"



08002

Solid bent delrin handle. Wire material is hand drawn into a delrin block. Excellent for cleaning hard to reach areas in highly corrosive situations.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
08001	.003 Stainless Steel	6-1/2" x 3/8"	1 x 11	7/16"	1-1/4"
08002	.003 Stainless Steel	6-1/2" x 3/8"	2 x 11	7/16"	1-1/4"
08003	.003 Stainless Steel	6-1/2" x 3/8"	3 x 11	7/16"	1-1/4"



08016

Solid bent hardwood block. Wire material is hand drawn into a wood block. Excellent for cleaning hard to reach areas.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
08014	.005 Stainless Steel	7-3/4" x 7/16"	1 x 11	7/16"	1-1/4"
08015	.005 Stainless Steel	7-3/4" x 7/16"	2 x 8	9/16"	1-1/4"
08016	.005 Stainless Steel	7-3/4" x 7/16"	3 x 8	9/16"	1-1/4"



08011

Solid bent delrin handle. Nylon fill material is hand drawn into a delrin handle. Excellent for cleaning hard to reach areas and surfaces that cannot be scratched.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
08009	.012 Natural Nylon	6-1/2" x 3/8"	1 x 11	7/16"	1-1/4"
08010	.012 Natural Nylon	6-1/2" x 3/8"	2 x 11	7/16"	1-1/4"
08011	.012 Natural Nylon	6-1/2" x 3/8"	3 x 11	7/16"	1-1/4"

Small Hand Scratch Brushes

Excellent hand cleaning tools for hard to reach areas and general industrial purposes.



00462

Stove and Appliance Brushes

Curved smooth hardwood handle. Used as a scouring brush for small areas.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00461	.006 Stainless Steel	8-5/8" x 1/2"	2 x 9	5/8"	2-7/8"
00462	.008 Brass	8-5/8" x 1/2"	2 x 9	5/8"	2-7/8"
00463	.008 Aluminum	8-5/8" x 1/2"	2 x 9	1/2"	2-7/8"

Small Hand Scratch Brushes

Excellent hand cleaning tools for hard to reach areas and general industrial purposes.

Wood Handle Welders Brushes

Solid bent hardwood block. Excellent for cleaning small welds and hard to reach areas.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00025	.006 Stainless Steel	7-3/4" x 7/16"	3 x 7	1/2"	1-1/2"
00026	.006 Brass	7-3/4" x 7/16"	3 x 7	1/2"	1-1/2"
00027	.006 Bronze	7-3/4" x 7/16"	3 x 7	1/2"	1-1/2"
00028	.016 Nylon	7-3/4" x 7/16"	3 x 7	1/2"	1-1/2"
00028-S	.016 Nylon	8" x 3/4"	3 x 5	1/8"	1"
00029	Horse Hair	7-3/4" x 7/16"	3 x 7	1/2"	1-1/2"


00028

Plastic Handle Welders Brushes

Plastic block. Used for cleaning small welds and hard to reach places.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00030	.006 Stainless Steel	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
00030-C	.010 Stainless Steel	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
00031	.006 Brass	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
00032	.006 Bronze	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
00033	.016 Nylon	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
***00033-C**	.016 Nylon	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
00034	Horse Hair	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"

***Economy version.**


00032

Double Sided Plastic Handle Welders Brushes

Plastic block. Two filament materials in one brush to clean multiple surface areas.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
10040	St St / Nylon	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"
10045	St St / Brass	7-1/4" x 7/16"	3 x 7	1/2"	1-1/2"


10045

Wood Handle Horse Hair Utility Brushes

Hardwood block. Horse hair filament makes this brush ideal on scratch susceptible surfaces.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00023	Horse Hair	7" x 1/2"	4 x 15	1/2"	1-3/4"


00023

Wood Handle Utility Brushes

Shaped hardwood handle.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00044	.014 Nylon	6" x 1/2"	3 x 10	9/16"	1-1/2"
00045	Horse Hair	6" x 1/2"	3 x 10	9/16"	1-1/2"
00046	.006 Brass	6" x 1/2"	3 x 10	9/16"	1-1/2"
00047	.006 Stainless Steel	6" x 1/2"	3 x 10	1/2"	1-1/2"
00048	.006 Steel	6" x 1/2"	3 x 10	5/8"	1-1/2"
00049	.006 Bronze	6" x 1/2"	3 x 10	9/16"	1-1/2"


00048

Wood Handle Upright Brushes

Smooth hardwood block. For cleaning confined hard to reach areas.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00035	.014 Nylon	4-3/4" x 1"	2 x 6	1/2"	7/8"
00036	Horse Hair	4-3/4" x 1"	2 x 6	1/2"	7/8"
00037	.006 Brass	4-3/4" x 1"	2 x 6	1/2"	7/8"
00038	.006 Stainless Steel	4-3/4" x 1"	2 x 6	1/2"	7/8"
00039	.006 Steel	4-3/4" x 1"	2 x 6	1/2"	7/8"


00035

General Purpose Hand Brushes

General Purpose Hand Brushes are made with a variety of block shapes and fill materials. Durable brushes for cleaning small surface areas and general industrial purposes.



Small Utility Brushes

Curved smooth hardwood block or plastic handle. Light duty scrub brush.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00500	.008 Brass	6-3/4" x 1-5/8"	6 x 9	5/8"	2-1/2"
00501	.008 Aluminum	6-3/4" x 1-5/8"	6 x 9	1/2"	2-1/2"
00502	.016 Natural Nylon	6-3/4" x 1-5/8"	6 x 9	5/8"	2-1/2"
***00504**	.008 Brass	7-1/4" x 1-5/8"	6 x 9	5/8"	2-1/2"
***00505**	.016 Natural Nylon	7-1/4" x 1-5/8"	6 x 9	5/8"	2-1/2"
***00506**	.008 Stainless Steel	7-1/4" x 1-5/8"	6 x 9	5/8"	2-1/2"

***Plastic handle.**



Utility 2-Way Cleaning Brush

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00525	.025 Crimped Natural Polyester	Tapered	5 x 7	5/8"	2-1/4"
	.010 Crimped Brass on tip	Tapered	3 x 6	5/8"	1/2"

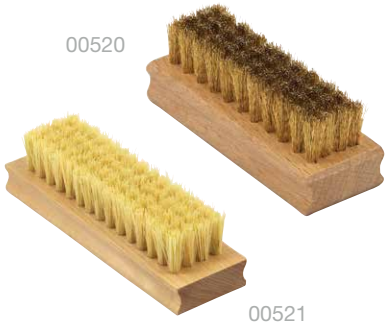


Large Utility Brushes

Curved smooth hardwood block or plastic handle. Light to heavy duty cleaning.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00510	.008 Brass	8-7/8" x 2-5/8"	9 x 10	5/8"	3"
00510-N	.016 Black Nylon	8-7/8" x 2-5/8"	9 x 10	5/8"	3"
***00511**	.008 Brass	8-7/8" x 2-5/8"	9 x 10	5/8"	3"
***00512**	.016 Natural Nylon	8-7/8" x 2-5/8"	9 x 10	5/8"	3"
***00513**	.008 Stainless Steel	8-7/8" x 2-5/8"	9 x 10	5/8"	3"

***Plastic handle.**



Suede and Nail Brushes

Smooth hardwood block with hand groove. Used for general cleaning.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00520	.005 Brass	3-1/4" x 1-1/8"	4 x 11	9/16"	3"
00521	White Tampico	5" x 1-1/2"	4 x 15	3/4"	4-3/8"

Steel Wire Hand Scratch Brushes

Steel Wire Hand Scratch Brushes are densely filled with an even trim to provide a uniform brushing face. They are made with solid hardwood blocks, smoothly finished and shaped for more comfortable brushing. Wood handles are made in two shapes. Excellent industrial tools for general cleaning purposes.

Shoe Handle Scratch Brushes

Wood shoe handle.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00449	.013 Black Temp. Wire	10" x 3/8"	1 x 17	1-3/16"	5"
00449-SS	.013 Stainless Steel	10" x 3/8"	1 x 17	1-3/16"	5"
00450	.013 Black Temp. Wire	10" x 5/8"	2 x 17	1-3/16"	5"
00450-SS	.013 Stainless Steel	10" x 5/8"	2 x 17	1-3/16"	5"
00452	.013 Black Temp. Wire	10" x 1-1/8"	4 x 17	1-3/16"	5"
00452-B	.012 Brass Wire	10" x 1-1/8"	4 x 17	1-3/16"	5"
00452-SS	.013 Stainless Steel	10" x 1-1/8"	4 x 17	1-3/16"	5"
00452-BZ	.014 Phos. Bronze	10" x 1-1/8"	4 x 17	1-3/16"	5"
***00452-SC**	.013 Black Temp. Wire	10" x 1-1/8"	4 x 17	1-3/16"	5"

***Scraper attached.**



00052-SS

Curved Handle Scratch Brushes

Curved wood handle.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00456	.013 Black Temp. Wire	13-3/4" x 3/8"	1 x 18	1-3/16"	6-1/4"
00458	.013 Black Temp. Wire	13-3/4" x 1"	3 x 19	1-3/16"	6-1/4"
00458-B	.012 Brass Wire	13-3/4" x 1"	3 x 19	1-3/16"	6-1/4"
00458-SS	.013 Stainless Steel	13-3/4" x 1"	3 x 19	1-3/16"	6-1/4"
***00458-SC**	.013 Black Temp. Wire	13-3/4" x 1"	3 x 19	1-3/16"	6-1/4"
00459	.013 Black Temp. Wire	13-3/4" x 1-1/8"	4 x 18	1-3/16"	6-1/4"
00459-B	.012 Bronze Wire	13-3/4" x 1-1/8"	4 x 18	1-3/16"	6-1/4"
00459-BZ	.014 Brass Wire	13-3/4" x 1-1/8"	4 x 18	1-3/16"	6-1/4"
00459-SS	.013 Stainless Steel	13-3/4" x 1-1/8"	4 x 18	1-3/16"	6-1/4"
***00459-SC**	.013 Black Temp. Wire	13-3/4" x 1-1/8"	4 x 18	1-3/16"	6-1/4"

***Scraper attached.**



00059-SC

NEW Rocker Back Wood Scratch Brush

TANIS PART NO.	FILAMENT	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00469	Stainless Steel	7-1/4" x 2-7/8"	9 x 21	1-3/16"	6-1/4"



00469

Platers' Hand and Scouring Brushes

Platers' Hand and Scouring Brushes are designed for general industrial cleaning in the metal finishing and plating industries. Solid hardwood blocks are used for more comfortable brushing. Blocks are made with two different shapes.



00423

Shoe Handle Platers' Brushes

Hardwood block. Used for light cleaning and polishing for metal finishing, plating and general industrial applications.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00420	.006 Brass	10" x 7/8"	3 x 18	1"	5"
00421	.006 Brass	10" x 1-1/8"	4 x 18	1"	5"
00422	.006 Steel	10" x 7/8"	3 x 18	1"	5"
00423	.006 Steel	10" x 1-1/8"	4 x 18	1"	5"
00423-SS	.006 Stainless Steel	10" x 1-1/8"	4 x 18	1"	5"
00428	White Tampico	10" x 1-1/8"	4 x 18	1"	5"



00400

Curved Handle Platers' Brushes

Curved wood handle. Used for light cleaning and polishing for metal finishing, plating and general industrial applications.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
00400	.006 Brass	13" x 7/8"	3 x 19	1"	5-1/2"
00401	.006 Brass	13" x 1-1/8"	4 x 19	1"	5-1/2"
00402	.006 Steel	13" x 7/8"	3 x 19	1"	5-1/2"
00402-SS	.006 Stainless Steel	13" x 7/8"	3 x 19	1"	5-1/2"
00403	.006 Steel	13" x 1-1/8"	4 x 19	1"	5-1/2"
00403-SS	.006 Stainless Steel	13" x 1-1/8"	4 x 19	1"	5-1/2"
00407	Black Nylon	13" x 1-1/8"	4 x 19	1"	5-1/2"
00408	White Tampico	13" x 3/4"	2 x 19	1"	5-1/2"
00409	White Tampico	13" x 1-1/4"	4 x 19	1"	5-1/2"
00410	White Tampico	13" x 1-3/4"	6 x 19	1"	5-1/2"



10050

Scouring and Scrub Brushes

Smooth hardwood block with beveled sides.

TANIS PART NO.	FILAMENT DIAMETER	BLOCK SIZE	NO. OF ROWS	TRIM LENGTH	BRUSH LENGTH
10050	White Tampico	2-5/8" x 6-1/2"	6 x 14	1-1/8"	6-3/8"
10055	White Tampico	3" x 8-1/4"	7 x 18	1-1/8"	7-5/8"



Anilox (or Halftone) Brushes

Tanis' brushes for the Flexographic Industry are made with the highest quality materials to assure consistent brushing action and longer brush life. Anilox rollers should be cleaned on a regular basis for best results. When cleaning a stainless steel roller use a brass brush and use a stainless steel brush to clean ceramic rollers. Nylon, horse hair and pure bristle provide different grades of stiffness for light cleaning.

Anilox (or Halftone) Brushes

Solid hardwood block with sealer tumbled finish or water resistant laminated hardwood block with clear lacquer finish.

TANIS PART NO.	FILAMENT MATERIAL	BLOCK SIZE	TRIM LENGTH
04000	.005 Stainless Steel	2-1/2" x 4-1/4"	3/4"
04001	.003 Brass	2-1/2" x 4-1/4"	3/4"
04002	.003 Stainless Steel	2-1/2" x 4-1/4"	3/4"
04003	Horse Hair	2-1/2" x 4-1/4"	3/4"
***04005**	Pure Bristle	2-1/2" x 4-1/4"	3/4"
***04028**	.003 Brass Center with Horse Hair Border	2-1/2" x 4-1/4"	3/4"
04088	.003 Brass Center with Horse Hair Border	2-1/2" x 4-1/4"	3/4"
04089	.005 Brass	2-1/2" x 4-1/4"	3/4"
***04090**	.012 Black Nylon Type 6-12	2-1/2" x 4-1/4"	3/4"

***Laminated wood block with lacquer finish.**



04000

04088

Large Anilox (or Halftone) Brushes

Densely filled brush with hand grooves in sides of block.
Water resistant laminated hardwood block with lacquer finish.

TANIS PART NO.	FILAMENT MATERIAL	BLOCK SIZE	TRIM LENGTH
04006	.005 Brass	2-5/8" x 6-1/2"	3/4"



04006

Anilox Finishing (or Halftone) Brushes

Water resistant laminated hardwood block with clear lacquer finish.

TANIS PART NO.	FILAMENT MATERIAL	BLOCK SIZE	TRIM LENGTH
04007	.012 Black Nylon Type 6-12	2-3/8" x 6"	1"
04008	Pure Bristle	2-3/8" x 6"	1"
04009	Horse Hair	2-3/8" x 6"	1"



04008

SPID® Brush

This practical, handy, resistant, universal brush is ideal to remove rust, paint and dirt from any kind of surface. Its narrow face, curvature and ergonomic handle make it the perfect hand brush.



TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71400	Brass Coated Steel	Red	1"	5/8"	9-5/8"



TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71410	Stainless Steel	Green	1"	5/8"	9-5/8"



TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71420	Brass	Yellow	1"	5/8"	9-5/8"



TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71430	Nylon	Blue	1-1/4"	5/8"	9-5/8"



TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71440	Soft PVC	Light Blue	2"	3/4"	9-5/8"



TANIS PART NO.	FILAMENT	HANDLE COLOR	TRIM	FACE WIDTH	OVERALL LENGTH
71450	Brass Coated Steel	Blue	1"	5/8"	14-5/8"

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MAINTENANCE & GENERAL CLEANING

B R U S H E S

Ergonomic Hand Brushes

Various brush designs with ergonomics in mind. Designed for multiple cleaning applications. Polyester and polypropylene are excellent filaments for aggressive cleaning applications. Nylon filament works well on upholstery and carpets. Use PBT filament for general use.



Hand Brush – Star Block

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94332W	Foam	White	1-9/16"	PBT	White
94332R	Foam	Red	1-9/16"	PBT	Red
94332G	Foam	Green	1-9/16"	PBT	Green
94332Y	Foam	Yellow	1-9/16"	PBT	Yellow
94332B	Foam	Blue	1-9/16"	PBT	Blue

Other colors available: Crème, orange, brown or purple.



Hand Brushes

Various handle constructions and filaments designed for a wide range of cleaning applications.

Wok Brush

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93106	8-1/2"	Wood	Wood	1-3/4"	Palmyra	Brown
93106L	20"	Wood	Wood	1-3/4"	Palmyra	Brown



Hand Brush

Made with 100% biodegradable materials.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93111	8-1/2"	Wood	Wood	1-3/4"	Tampico	Natural
93111L	20"	Wood	Wood	1-3/4"	Tampico	Natural



Counter Brush

Recommended for cleaning counter areas with coarse debris.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93701	8-1/2"	Wood	Wood	2-1/4"	Polypro	Black
93703	8-1/2"	Wood	Wood	2-1/4"	Tampico	Black



Counter Brush – 13" Block

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94602W	Plastic	White	1-3/4"	PBT	White
94602R	Plastic	Red	1-3/4"	PBT	Red
94602G	Plastic	Green	1-3/4"	PBT	Green
94602Y	Plastic	Yellow	1-3/4"	PBT	Yellow
94602B	Plastic	Blue	1-3/4"	PBT	Blue



Hand Brushes

Various handle constructions and filaments designed for a wide range of cleaning applications.



Hand Brush

Cost effective general cleaning brush.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93101	8-1/2"	Foam	Black	1-3/4"	Tampico	Natural
93101L	20"	Foam	Black	1-3/4"	Tampico	Natural



Hand Brush

Cost effective aggressive cleaning brush.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93102	8-1/2"	Foam	Black	1-3/4"	Polyester	Black
93102L	20"	Foam	Black	1-3/4"	Polyester	Black



Hand Brush

Brush is made with soft nylon filament. Excellent for general cleaning applications.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93104	8-1/2"	Foam	White	1-3/4"	Nylon	White
93104L	20"	Foam	White	1-3/4"	Nylon	White



Hand Brush

Designed with soft PVC fiber to wash delicate surfaces such as cars and dust cleaning.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93105	8-1/2"	Foam	Black	1-3/4"	Flagged PVC	Grey
93105L	20"	Foam	Black	1-3/4"	Flagged PVC	Grey



Hand Brush

Stiff polypropylene filament for tough cleaning. Recommended for washing pots, pans, floors and automobile rims.

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
93103W	8-1/2"	Foam	Tan	1-3/4"	Polypro	White
93103R	8-1/2"	Foam	Tan	1-3/4"	Polypro	Red
93103G	8-1/2"	Foam	Tan	1-3/4"	Polypro	Green
93103Y	8-1/2"	Foam	Tan	1-3/4"	Polypro	Yellow
93103B	8-1/2"	Foam	Tan	1-3/4"	Polypro	Blue
93103LW	20"	Foam	Tan	1-3/4"	Polypro	White
93103LR	20"	Foam	Tan	1-3/4"	Polypro	Red
93103LG	20"	Foam	Tan	1-3/4"	Polypro	Green
93103LY	20"	Foam	Tan	1-3/4"	Polypro	Yellow
93103LB	20"	Foam	Tan	1-3/4"	Polypro	Blue

Hand Brushes

Economic brushes with stiff fiber. Different handle styles allow scrubbing various areas including those with difficult access. Ergonomic grip handles.

Hand Brush

TANIS PART NO.	BLOCK SIZE	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94002W	8-1/2"	Foam	White	1-3/4"	PBT	White
94002R	8-1/2"	Foam	Red	1-3/4"	PBT	Red
94002G	8-1/2"	Foam	Green	1-3/4"	PBT	Green
94002Y	8-1/2"	Foam	Yellow	1-3/4"	PBT	Yellow
94002B	8-1/2"	Foam	Blue	1-3/4"	PBT	Blue
94102W	20"	Foam	White	1-3/4"	PBT	White
94102R	20"	Foam	Red	1-3/4"	PBT	Red
94102G	20"	Foam	Green	1-3/4"	PBT	Green
94102Y	20"	Foam	Yellow	1-3/4"	PBT	Yellow
94102B	20"	Foam	Blue	1-3/4"	PBT	Blue



Narrow Detail Brush – 9" x 7/8" Block

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94022W	Polypro	White	3/4"	PBT	White
94022R	Polypro	Red	3/4"	PBT	Red
94022G	Polypro	Green	3/4"	PBT	Green
94022Y	Polypro	Yellow	3/4"	PBT	Yellow
94022B	Polypro	Blue	3/4"	PBT	Blue



Wide Detail Brush – 7" x 1-1/2" Block

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94012W	Polypro	White	1"	PBT	White
94012R	Polypro	Red	1"	PBT	Red
94012G	Polypro	Green	1"	PBT	Green
94012Y	Polypro	Yellow	1"	PBT	Yellow
94012B	Polypro	Blue	1"	PBT	Blue



Hand Scrub Brushes

Economic brushes with stiff fiber. Different handle styles allow scrubbing various areas including those with difficult access.



Hand Scrub Brush – 5" Block

Brush designed to clean hands and nails with stiff fiber for a deep cleansing action.

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94901W	Foam	White	7/8"	PBT	White
94901R	Foam	Red	7/8"	PBT	Red
94901G	Foam	Green	7/8"	PBT	Green
94901Y	Foam	Yellow	7/8"	PBT	Yellow
94901B	Foam	Blue	7/8"	PBT	Blue



Swiss Dairy Brush

Popular in the food industry for cleaning cutting boards.

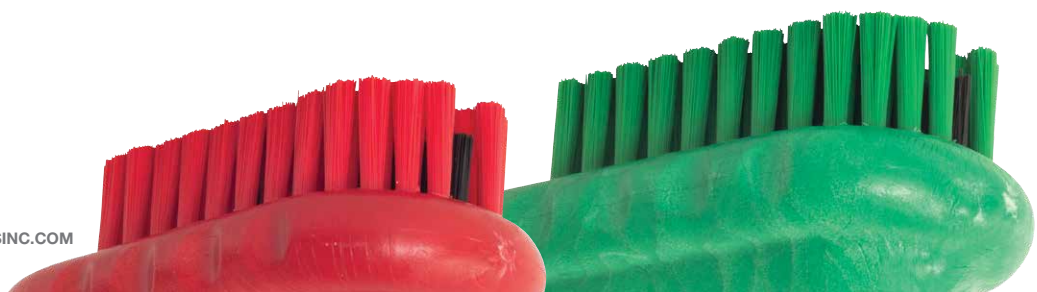
TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94302W	Foam	White	1-1/8"	PBT	White
94302R	Foam	Red	1-1/8"	PBT	Red
94302G	Foam	Green	1-1/8"	PBT	Green
94302Y	Foam	Yellow	1-1/8"	PBT	Yellow
94302B	Foam	Blue	1-1/8"	PBT	Blue



Iron Style Scrub Brush

Popular brush design for general cleaning.

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94312W	Polypro	White	1-1/4"	PBT	White
94312R	Polypro	Red	1-1/4"	PBT	Red
94312G	Polypro	Green	1-1/4"	PBT	Green
94312Y	Polypro	Yellow	1-1/4"	PBT	Yellow
94312B	Polypro	Blue	1-1/4"	PBT	Blue



Drain Brushes

Different styles allow for pipe cleaning in the medical and, food processing and service industries. Threaded handle allows for extension handle use for easy access to high or long pipes.

Drain Brush

TANIS PART NO.	DIAMETER	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
95301	3"	Polypropylene	White	3/4"	PBT	Black
95302	4"	Polypropylene	White	3/4"	PBT	Black

Handles sold separately.



Tube Brush

TANIS PART NO.	DIAMETER	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
95320W	2"	Polypro	White	3/4"	PBT	White
95320R	2"	Polypro	White	3/4"	PBT	Red
95320G	2"	Polypro	White	3/4"	PBT	Green
95320Y	2"	Polypro	White	3/4"	PBT	Yellow
95320B	2"	Polypro	White	3/4"	PBT	Blue
95330W	3"	Polypro	White	3/4"	PBT	White
95330R	3"	Polypro	White	3/4"	PBT	Red
95330G	3"	Polypro	White	3/4"	PBT	Green
95330Y	3"	Polypro	White	3/4"	PBT	Yellow
95330B	3"	Polypro	White	3/4"	PBT	Blue
95340W	4"	Polypro	White	1-1/2"	PBT	White
95340R	4"	Polypro	White	1-1/2"	PBT	Red
95340G	4"	Polypro	White	1-1/2"	PBT	Green
95340Y	4"	Polypro	White	1-1/2"	PBT	Yellow
95340B	4"	Polypro	White	1-1/2"	PBT	Blue

Handles sold separately.
Also available in 2-1/2", 3-1/2", 5", 6", 7" and 8" diameters.



Valve Brushes

Twisted wire brush design for cleaning food service equipment valves. Handle includes hole for hanging after use. Other diameters and lengths available.

Valve/Outlet Brush

TANIS PART NO.	BRUSH DIAMETER	HANDLE TYPE	HANDLE COLOR	FILAMENT	BRUSH LENGTH
90260	1-1/2"	Polypro	White	Polyester	6-1/4"
90261	2"	Polypro	White	Polyester	6-1/4"
90262	2-1/2"	Polypro	White	Polyester	6-1/4"
90263	3"	Polypro	White	Polyester	6-1/4"



Tank Brushes

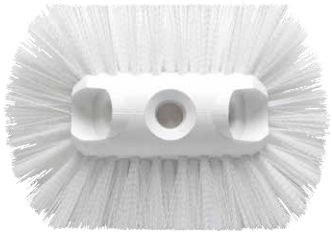
Scrub tanks, kettles, containers and pipes with various rounded brush head design. Three-hole designed block allows for brush use at different angles.



Large Tank Brush – 10" Three-Hole Blocks

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94802W	Foam	White	1-3/4"	PBT	White
94802R	Foam	Red	1-3/4"	PBT	Red
94802G	Foam	Green	1-3/4"	PBT	Green
94802Y	Foam	Yellow	1-3/4"	PBT	Yellow
94802B	Foam	Blue	1-3/4"	PBT	Blue

Handles sold separately.

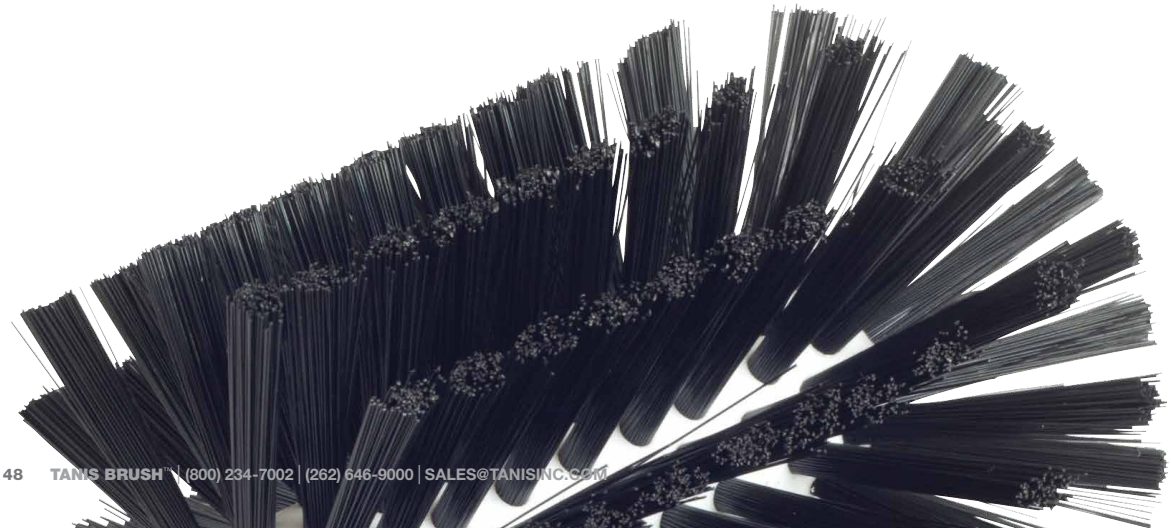


Small Tank Brush – 8" Three-Hole Blocks

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94802WS	Foam	White	1-3/4"	PBT	White
94802RS	Foam	Red	1-3/4"	PBT	Red
94802GS	Foam	Green	1-3/4"	PBT	Green
94802YS	Foam	Yellow	1-3/4"	PBT	Yellow
94802BS	Foam	Blue	1-3/4"	PBT	Blue

Handles sold separately.

Hanger and handles available on page 155-156.



Pipe Cleaning Brushes

Different styles allow for pipe cleaning in the medical, food processing and service industries. The threaded handle allows for use of an extension handle allowing easy access to high or long tubes.

Tube Cleaning Brush – Curved



TANIS PART NO.	HANDLE TYPE	HANDLE COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
95400W	Plastic	Black	2"	PBT	White
95400R	Plastic	Black	2"	PBT	Red
95400G	Plastic	Black	2"	PBT	Green
95400Y	Plastic	Black	2"	PBT	Yellow
95400B	Plastic	Black	2"	PBT	Blue

Handles sold separately.

Tube Cleaning Brush – L-Shaped



TANIS PART NO.	HANDLE TYPE	HANDLE COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
95401W	Plastic	Black	2"	PBT	White
95401R	Plastic	Black	2"	PBT	Red
95401G	Plastic	Black	2"	PBT	Green
95401Y	Plastic	Black	2"	PBT	Yellow
95401B	Plastic	Black	2"	PBT	Blue

Handles sold separately.

Deck Brushes

Sturdy construction allowing for aggressive cleaning. Can be used as a hand brush or with a handle.

Deck Brush – 10"



TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94502W	Polypro	White	3/4"	PBT	White
94502R	Polypro	Red	3/4"	PBT	Red
94502G	Polypro	Green	3/4"	PBT	Green
94502Y	Polypro	Yellow	3/4"	PBT	Yellow
94502B	Polypro	Blue	3/4"	PBT	Blue

Handles sold separately.

Deck Wash Brush – 10" Bi-Level Brush (Foam Block)



TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
91110BW	Foam	Tan	1-3/4"	Polypro	White
91110BK	Foam	Tan	1-3/4"	Polypro	Black

Handles sold separately.

Scrub Brushes



Scrub Brush – 10" Bi-Level

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94202W	Polypro	White	1-3/4"	PBT	White
94202R	Polypro	Red	1-3/4"	PBT	Red
94202G	Polypro	Green	1-3/4"	PBT	Green
94202Y	Polypro	Yellow	1-3/4"	PBT	Yellow
94202B	Polypro	Blue	1-3/4"	PBT	Blue

Handles sold separately.

Automotive and Truck Brushes

Multi-surface cleaning brushes. Various filaments and styles to meet your specific needs.
Soft PVC filament is excellent for delicate surfaces such as vehicles.



Truck Wash Brush – 10" With Plastic Protective Ring

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
91410	Foam	Tan	2-5/16"	Nylon	Green
91410B	Foam	Tan	2-5/16"	Nylon	Green Bi-level

Handles sold separately.

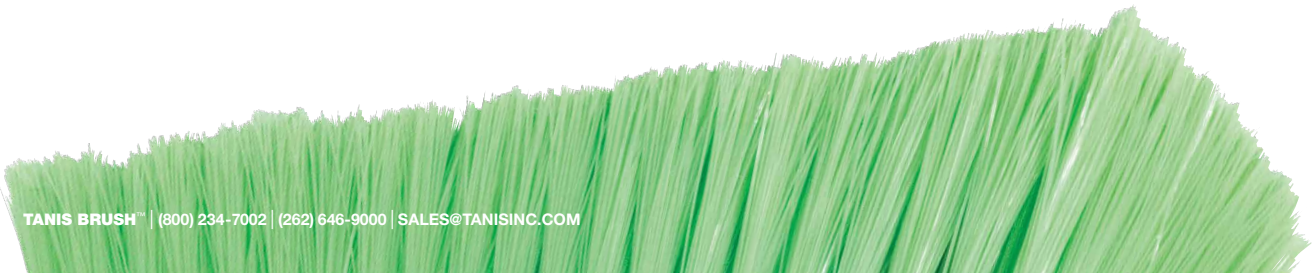


Truck Wash Brush – Multi-Surface Brush

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	BLOCK SIZE	TRIM LENGTH	FILAMENT	FILAMENT COLOR
91609	Polypro Round	Black	9"	2-1/2"	Tampico	Natural
91810B	Polypro Bi-Level	Black	10"	2-1/2"	Flagged PVC	Grey
91810P	Polypro Flat	Black	10"	2-1/2"	Flagged PVC	Grey

Handles sold separately.

Hanger and handles available on page 155-156.



Miscellaneous Brushes

Goblet Brush

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	HANDLE LENGTH	FILAMENT	FILAMENT COLOR
90170	Polypro	White	16"	Polyester	White
90171	Polypro	White	16"	Polyester	Red
90172	Polypro	White	16"	Polyester	Yellow
90173	Polypro	White	16"	Polyester	Blue
90174	Polypro	White	16"	Polyester	Green



Triangle Brush

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
945T2W	Foam	White	1"	PBT	White
945T2R	Foam	Red	1"	PBT	Red
945T2G	Foam	Green	1"	PBT	Green
945T2Y	Foam	Yellow	1"	PBT	Yellow
945T2B	Foam	Blue	1"	PBT	Blue

Handles sold separately.



Angle Broom

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	FILAMENT COLOR
94702W	Polypro	White	4"	PBT	White
94702R	Polypro	Red	4"	PBT	Red
94702G	Polypro	Green	4"	PBT	Green
94702Y	Polypro	Yellow	4"	PBT	Yellow
94702B	Polypro	Blue	4"	PBT	Blue

Handles sold separately.
Other colors available: Crème, orange, brown or purple.



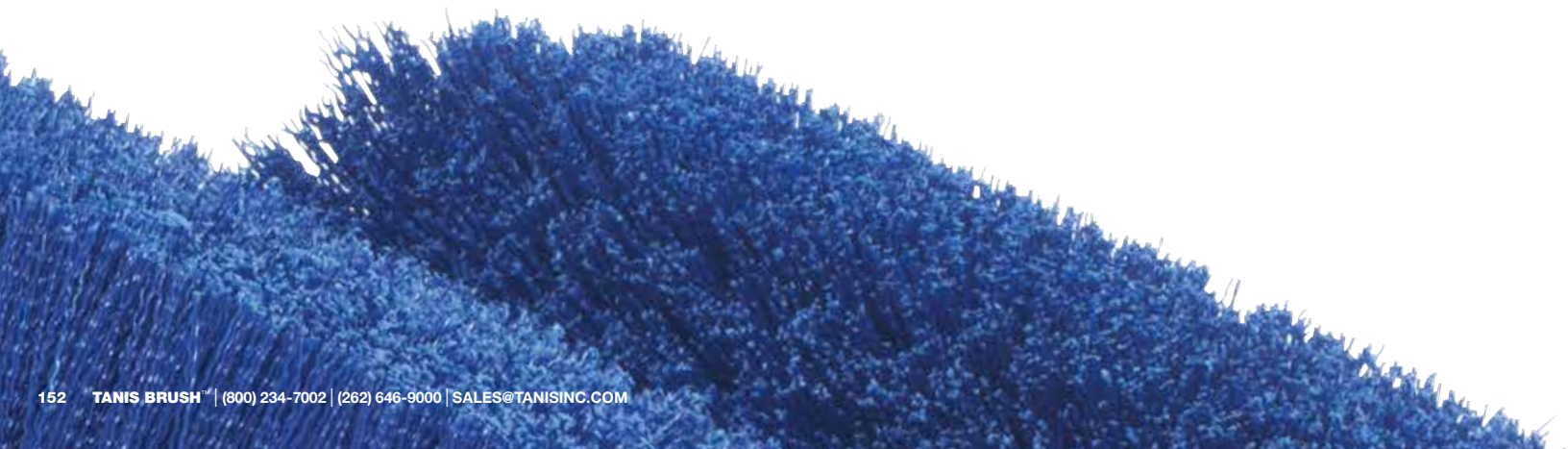




Shoe Cleaning Brush and Stand

TANIS PART NO.	BLOCK TYPE	BLOCK COLOR	TRIM LENGTH	FILAMENT	TRIM LENGTH
93501B-Kit	Foam	Black	1-3/4"	Polypro	Blue
93502B	Foam	Black	1-3/4"	Polypro	Blue

Other colors available: Red, green or yellow.
Order 93502B for replacement brushes.



Street and Floor Brooms

Sweep clean daily. Our floor brooms have narrow constructions and lightweight designs ideal for routine and convenient cleaning. Select from a range of filaments to meet the demands of your kitchen. For outside cleaning, handle debris expertly with sidewalk slim brushes.

Street Broom

TANIS PART NO.	BRUSH WIDTH	BLOCK TYPE	FILAMENT COLOR	FILAMENT	TRIM LENGTH
90412	14"	Wood	Blue	PET	4-1/4"
90413	16"	Wood	Blue	PET	4-1/4"
90414	16"	Wood	Blue	PET	5-1/4"
90415	24"	Wood	Blue	PET	5-1/4"

Handles sold separately.



Street Broom

TANIS PART NO.	BRUSH WIDTH	BLOCK TYPE	FILAMENT	TRIM LENGTH
90400	16"	Wood	Palmyra	6-1/4"
90401	24"	Wood	Palmyra	6-1/4"

Handles sold separately.



Slim Street Broom

TANIS PART NO.	BRUSH WIDTH	BLOCK TYPE	FILAMENT COLOR	FILAMENT	TRIM LENGTH
90410	24"	Wood	Blue	PET	4-1/4"
90411	24"	Wood	Blue	PET	5-1/4"

Handles sold separately.



Brackets

TANIS PART NO.	TIP / THREADS
90538	Broom Brace
90539	Wing Style Brace





Floor Broom

TANIS PART NO.	BRUSH WIDTH	BLOCK TYPE	FILAMENT	TRIM LENGTH
90320	18"	Wood	Polypropylene	3-1/4"
90321	24"	Wood	Polypropylene	3-1/4"
90325	18"	Black Foam	Polypropylene	3"
90326	24"	Black Foam	Polypropylene	3"

Handles sold separately.



Floor Broom

TANIS PART NO.	BRUSH WIDTH	BLOCK TYPE	FILAMENT	TRIM LENGTH
90310	18"	Wood	Palmyra	4"
90311	24"	Wood	Palmyra	4"

Handles sold separately.



Floor Broom

TANIS PART NO.	BRUSH WIDTH	BLOCK TYPE	FILAMENT COLOR	FILAMENT	TRIM LENGTH
90300	18"	Wood	Black	Tampico	3"
90301	24"	Wood	Black	Tampico	3"

Handles sold separately.

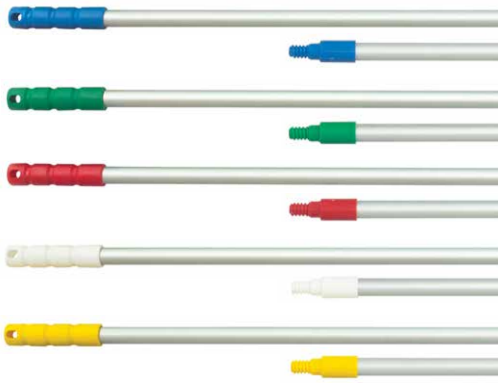
Hanger and handles available on page 155-156.



Brush and Broom Handles

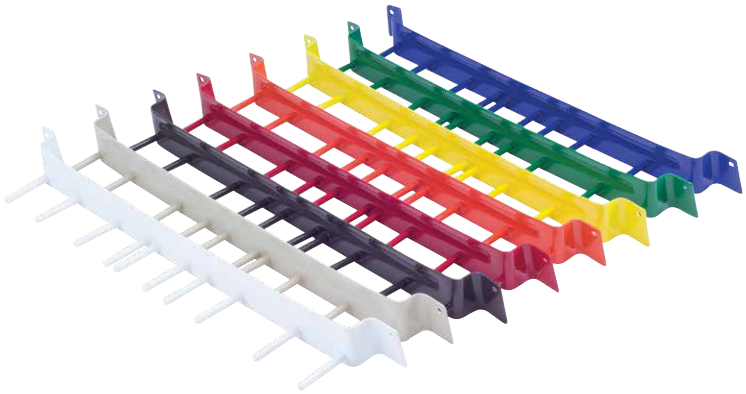
Aluminum Handles

TANIS PART NO.	HANDLE COLOR	TIP COLOR	HANDLE LENGTH	HANDLE DIAMETER
91902AW	Aluminum	White	30"	1"
91902AK	Aluminum	Black	30"	1"
91902AR	Aluminum	Red	30"	1"
91902AG	Aluminum	Green	30"	1"
91902AY	Aluminum	Yellow	30"	1"
91902AB	Aluminum	Blue	30"	1"
91904AW	Aluminum	White	48"	1"
91904AK	Aluminum	Black	48"	1"
91904AR	Aluminum	Red	48"	1"
91904AG	Aluminum	Green	48"	1"
91904AY	Aluminum	Yellow	48"	1"
91904AB	Aluminum	Blue	48"	1"
91906AW	Aluminum	White	60"	1"
91906AK	Aluminum	Black	60"	1"
91906AR	Aluminum	Red	60"	1"
91906AG	Aluminum	Green	60"	1"
91906AY	Aluminum	Yellow	60"	1"
91906AB	Aluminum	Blue	60"	1"

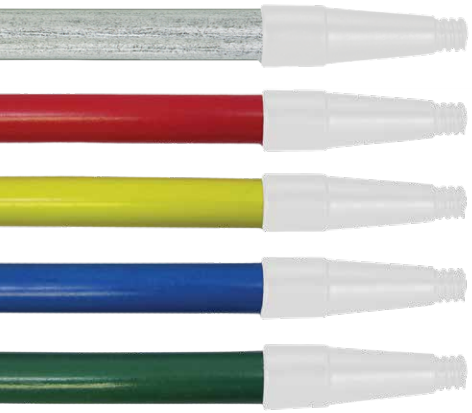


Brush and Broom Hanger

TANIS PART NO.	CONSTRUCTION	COLOR
99110W	Aluminum	White
99110R	Aluminum	Red
99110G	Aluminum	Green
99110Y	Aluminum	Yellow
99110B	Aluminum	Blue



Brush and Broom Handles



Fiberglass

TANIS PART NO.	HANDLE COLOR	TIP COLOR	HANDLE LENGTH	HANDLE DIAMETER
90500	White	White	27"	1"
90501	White	White	36"	1"
90502	White	White	48"	1"
90503	White	White	60"	1"
90506	Blue	White	60"	1"
90507	Red	White	60"	1"
90508	Green	White	60"	1"
90509	Yellow	White	60"	1"



Fiberglass Handles – Colored Plastic Tip

TANIS PART NO.	HANDLE COLOR	TIP COLOR	HANDLE LENGTH	HANDLE DIAMETER
91904FW	**White**	White	48"	1"
91904FR	**Red**	Red	48"	1"
91904FG	**Green**	Green	48"	1"
91904FY	**Yellow**	Yellow	48"	1"
91904FB	**Blue**	Blue	48"	1"
91906FW	**White**	White	60"	1"
91906FR	**Red**	Red	60"	1"
91906FG	**Green**	Green	60"	1"
91906FY	**Yellow**	Yellow	60"	1"
91906FB	**Blue**	Blue	60"	1"



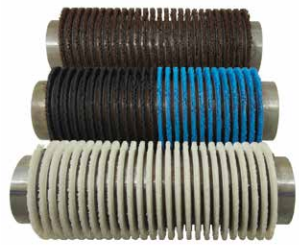
Wood

TANIS PART NO.	TIP/ THREADS	HANDLE LENGTH	HANDLE DIAMETER
90530	Metal	36"	15/16"
90531	Metal	48"	15/16"
90532	Metal	60"	15/16"
90534	Tapered Wood	54"	1-1/8"
90535	Tapered Wood	60"	1-1/8"
90536	Tapered Wood	72"	1-1/8"

Need a Custom Brush?

OUR DESIGN & ENGINEERING TEAM CAN HELP!

Our commitment to you: To design and build brushes that can help fix an on-going problem with your operation or process. We've literally designed and built thousands of full custom and modified standard brushes for our customers, which include dozens of large and small OEMs to end users in the food service industry. This service is what separates us from other brush companies. Using the latest technologies, newest materials and our team of experienced engineers, we can design and make a brush that meets your expectations. Ranging from oversize to micro-size, industry specific colors, temperature performance, durability requirements or problem solving design, we've got you covered!







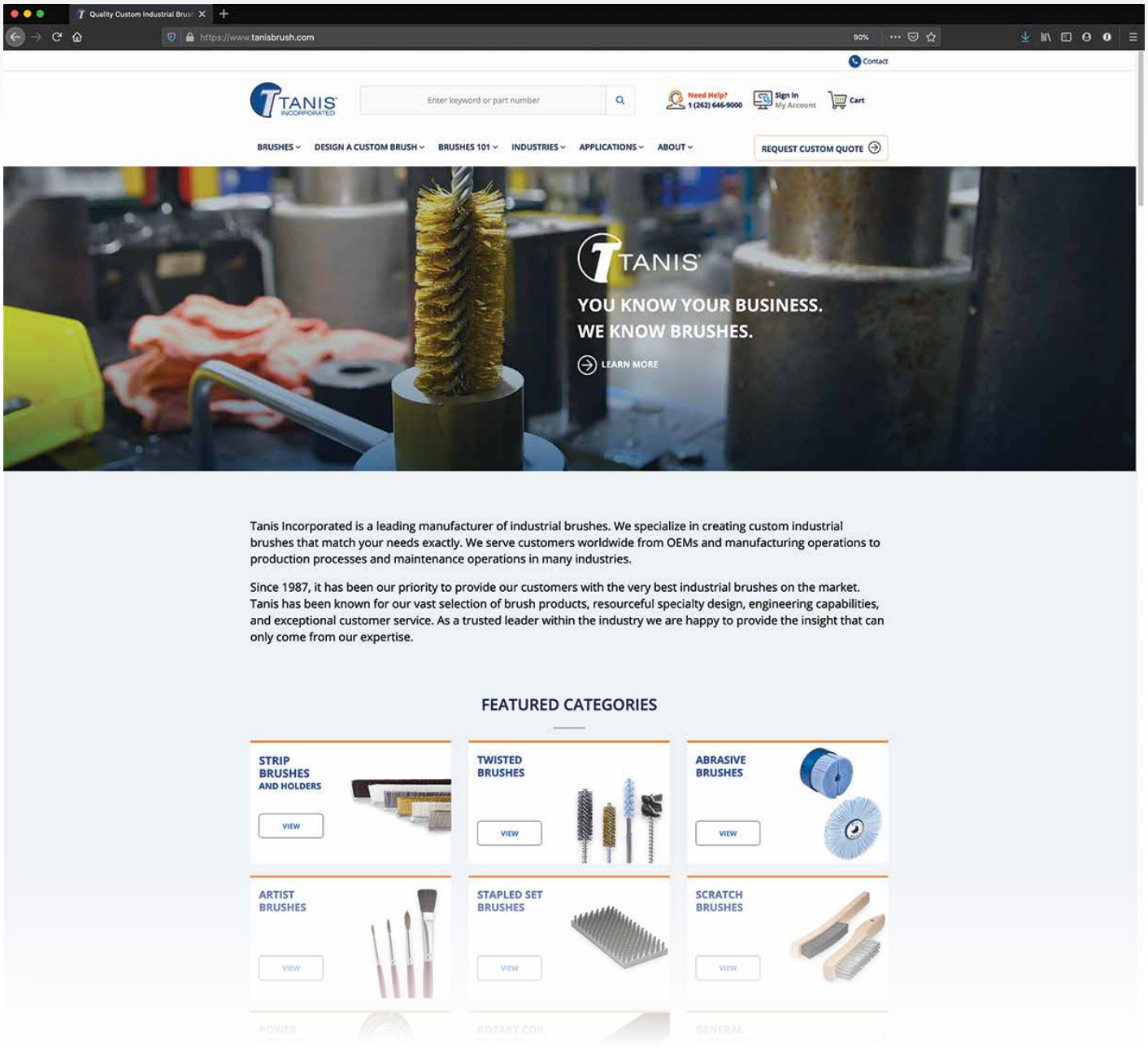



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NOTES

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Always follow safety guidelines when using brush products.

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Terms of Purchase

Payment: Net 30 days credit to approved customers.
Credit cards accepted:



Freight: Shipments are made F.O.B. Delafield, Wisconsin or Fond du Lac, Wisconsin based on inventory availability.

Ordering: Minimum order is $100 net or subject to process and handling charge. Special brushes are quoted per order.

Discounts: Quantity pricing will be quoted separately.

Prices: All pricing subject to change without notice.

Tax: Orders subject to sales tax.

Availability: Items highlighted are normally carried in stock for prompt shipment. Items are subject to availability.

Returns: Returns will not be accepted without a **Return Goods Authorization** issued from Tanis, Inc.

Return goods handling charges will be applied to product ordered in error or no longer needed by the customer:

- 10% with a replacement order of equal value.
- 25% without a replacement order.

TANIS® INCORPORATED

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