

# Brush*line*

AIRCRAFT QUALITY BRUSHES



## Returned Goods Policy

Brush One will replace or apply full credit to your account for any brush that does not meet advertised catalog specifications for quality.

Brush One will not accept as a return any brush that has been altered or modified from its original manufactured specifications.

A 15% re-stocking charge will be applied to any returned standard. This charge will be deducted from the credit that will be issued to your account.

Brush One will not accept any return for a product that is purchased prior to one calendar year from date of request for return. All returns must be given a RETURNED GOODS AUTHORIZATION and that can only be authorized by the Quality Assurance Manager, Customer Service Manager or President.

Brush One reserves the right to decline any return if the quantity desired to be returned cannot be reasonably re-sold within the next calendar year.

## Special Brush Policy

Cancellations of SPECIAL brushes are subject to a charge for raw material and work performed prior to the time of cancellation. Acceptable industry practice assumes a 10% over and under shipment on a special tool order. If no over/under shipment is allowed, the corresponding RFQ and purchase order should carry the appropriate instructions.

## Terms of Payment

Net 30 days. FOB Millersburg, PA with minimum transportation charges prepaid or allowed within the continental United States on orders of \$1000.00 (Net) or more. Minimum order is \$25.00 (Net). We accept American Express, MasterCard and VISA.

## Unpaid Accounts Policy

Accounts unpaid beyond 30 days are subject to a service charge of 1-1/2% per month. A CREDIT HOLD will be placed on current active orders to the same account once any open invoice exceeds 60 days.

## Shipping

FOB Millersburg, PA - Freight pre-paid on orders over \$1000.00 (Net)

Drop Shipments will be charged a \$10.00 handling charge and will only be shipped via standard UPS (Next Day, Second Day and 3 Day Select and Ground Shipments).

3rd Party Billing or Consignee Billing will be allowed on Drop Shipments if specified on order.

## Open Account Applications

Complete address, telephone number and FAX number of three trade references and your bank are required. PRICES SUBJECT TO CHANGE.



Member of the



**IMPORTANT!** As a manufacturer of Power Brushes, we design, build and test our Brushes to meet specific applications. As a user, you must observe the safety requirements and warnings published herein or by any other manufacturer of Power Brushes.

You, the operator of the Power Brush, and all persons in the immediate area of Power Brush applications should be familiar with the information contained in the American National Standard B165.1-1979 (ANS B165.1-1979). Copies of this standard can be obtained from the Society of Manufacturing Engineers, Box 930, Dearborn, MI 48128.

The filaments of Power Brushes will fatigue with use and may break off during application. For this reason operators of Power Brushes must observe safety practices that protect themselves and any person in the area exposed to Power Brush Application. **NEVER OPERATE POWER BRUSHES WITHOUT WEARING SAFETY GOGGLES.** Failure to observe this precaution may result in injury. This warning applies to any personnel in a Brush operating area as well as the personnel operating the Power Brushes.



**MSFS** (Maximum Safe Free Speed) in **RPM** (Revolutions per Minute) - this specification indicates the maximum recommended revolutions per minute that brush should be operated with no work applied. Effective operating speed should be determined by the application, but should never exceed the MSFS.

**USE GOOD JUDGMENT IN YOUR POWER BRUSH APPLICATION.**

**IMPORTANT! DELIVER THIS INSERT, WITH THE BRUSH TO THE OPERATOR. READ BEFORE MOUNTING THE BRUSH.**

## Power Brush Safety Recommendations

1. Keep all machine guards in place.
2. Safety goggles, safety glasses with side shields or face shields, must be worn by all operators and other employees working in the area of power brush operations. Comply with the requirements of ANSI Z87-1-1968 *Occupational Eye and Face Protection*.
3. Observe all speed restrictions indicated on brushes, containers, labels or printed in pertinent literature.
4. Appropriate protective clothing and equipment shall be used where there is possibility of injury that can be prevented by such clothing or equipment.
5. Comply with the Safety Standards of the Industrial Division of the American Brush Manufacturers Association and the American National Standards Institute Standard B 165.1-1979 *Safety Requirements for the Design, Care, and Use of Power Driven Brushing Tools*.

Safety Committee  
Industrial Brush Division  
American Brush Manufacturers Association

DESCRIPTION	PAGE	VISUAL
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<p><b>Crimped Wire End Brushes</b></p> <p>STAINLESS STEEL FILL (Quality Import) .006, .010 Diameter Fill Material 1/4 Standard Shank</p> <p>CARBON STEEL FILL .014 Crimped Wire 1/4 Standard Shank</p>	<p>15</p>	

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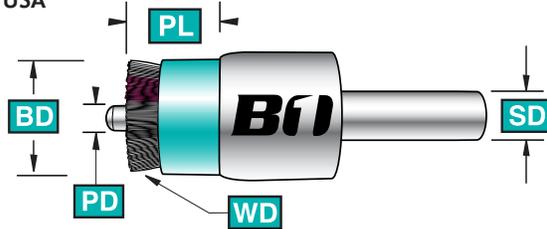
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# Piloted Bonding Brushes



**1/4 Standard Shank**  
Stainless Steel Fill Material  
Made In The USA



Brush One Piloted Bonding Brushes are designed to remove minimal surface material and coatings to prepare for grounded contact points. We offer a variety of diameters of stainless steel wire fill material to accommodate light to aggressive removal requirements. The use of the stainless steel fill material eliminates corrosion from our brushes.

**MSFS = 20,000 RPM for Diameters Smaller than 1"**  
**MSFS = 14,000 RPM for 1" Diameter Brushes**



1/4 Standard Shank



.005 .008 .010 .014

Brush Wire Diameters

**Brush Wire Diameters  
For Different Applications**

- .005 Wire Dia.
- .008 Wire Dia.
- .010 Wire Dia.
- .014 Wire Dia.

- Fine to Light Surface Preparation
- Light to Medium Surface Removal and Preparation
- Medium Surface Removal and Preparation
- Aggressive Surface Removal and Preparation

EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	Shank Dia. (SD)	EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	Shank Dia. (SD)
B0001	BR-6231-0125	1/4	.005	3/8	.1250	1/4	B0112	BR-6272-0250	3/8	.010	3/8	.2500	1/4
B0002	BR-6261-0125	1/4	.008	3/8	.1250	1/4	B0113	BR-6292-0250	3/8	.014	3/8	.2500	1/4
B0100	BR-6271-0125	1/4	.010	3/8	.1250	1/4	B0019	BR-6233-0093	1/2	.005	3/8	.0938	1/4
B0003	BR-6291-0125	1/4	.014	3/8	.1250	1/4	B0020	BR-6263-0093	1/2	.008	3/8	.0938	1/4
B0004	BR-6231-0156	1/4	.005	3/8	.1562	1/4	B0114	BR-6273-0093	1/2	.010	3/8	.0938	1/4
B0005	BR-6261-0156	1/4	.008	3/8	.1562	1/4	B0021	BR-6293-0093	1/2	.014	3/8	.0938	1/4
B0101	BR-6271-0156	1/4	.010	3/8	.1562	1/4	B0022	BR-6233-0125	1/2	.005	3/8	.1250	1/4
B0006	BR-6291-0156	1/4	.014	3/8	.1562	1/4	B0023	BR-6263-0125	1/2	.008	3/8	.1250	1/4
B0102	BR-6231-0187	1/4	.005	3/8	.1875	1/4	B0115	BR-6273-0125	1/2	.010	3/8	.1250	1/4
B0103	BR-6261-0187	1/4	.008	3/8	.1875	1/4	B0024	BR-6293-0125	1/2	.014	3/8	.1250	1/4
B0104	BR-6271-0187	1/4	.010	3/8	.1875	1/4	B0025	BR-6233-0156	1/2	.005	3/8	.1562	1/4
B0105	BR-6291-0187	1/4	.014	3/8	.1875	1/4	B0026	BR-6263-0156	1/2	.008	3/8	.1562	1/4
B0007	BR-6232-0093	3/8	.005	3/8	.0938	1/4	B0116	BR-6273-0156	1/2	.010	3/8	.1562	1/4
B0008	BR-6262-0093	3/8	.008	3/8	.0938	1/4	B0027	BR-6293-0156	1/2	.014	3/8	.1562	1/4
B0106	BR-6272-0093	3/8	.010	3/8	.0938	1/4	B0028	BR-6233-0187	1/2	.005	3/8	.1875	1/4
B0009	BR-6292-0093	3/8	.014	3/8	.0938	1/4	B0029	BR-6263-0187	1/2	.008	3/8	.1875	1/4
B0010	BR-6232-0125	3/8	.005	3/8	.1250	1/4	B0117	BR-6273-0187	1/2	.010	3/8	.1875	1/4
B0011	BR-6262-0125	3/8	.008	3/8	.1250	1/4	B0030	BR-6293-0187	1/2	.014	3/8	.1875	1/4
B0107	BR-6272-0125	3/8	.010	3/8	.1250	1/4	B0031	BR-6233-0250	1/2	.005	3/8	.2500	1/4
B0012	BR-6292-0125	3/8	.014	3/8	.1250	1/4	B0032	BR-6263-0250	1/2	.008	3/8	.2500	1/4
B0013	BR-6232-0156	3/8	.005	3/8	.1562	1/4	B0118	BR-6273-0250	1/2	.010	3/8	.2500	1/4
B0014	BR-6262-0156	3/8	.008	3/8	.1562	1/4	B0033	BR-6293-0250	1/2	.014	3/8	.2500	1/4
B0108	BR-6272-0156	3/8	.010	3/8	.1562	1/4	B0034	BR-6234-0093	5/8	.005	1/2	.0938	1/4
B0015	BR-6292-0156	3/8	.014	3/8	.1562	1/4	B0035	BR-6264-0093	5/8	.008	1/2	.0938	1/4
B0016	BR-6232-0187	3/8	.005	3/8	.1875	1/4	B0119	BR-6274-0093	5/8	.010	1/2	.0938	1/4
B0017	BR-6262-0187	3/8	.008	3/8	.1875	1/4	B0036	BR-6294-0093	5/8	.014	1/2	.0938	1/4
B0109	BR-6272-0187	3/8	.010	3/8	.1875	1/4	B0037	BR-6234-0125	5/8	.005	1/2	.1250	1/4
B0018	BR-6292-0187	3/8	.014	3/8	.1875	1/4	B0038	BR-6264-0125	5/8	.008	1/2	.1250	1/4
B0110	BR-6232-0250	3/8	.005	3/8	.2500	1/4	B0120	BR-6274-0125	5/8	.010	1/2	.1250	1/4
B0111	BR-6262-0250	3/8	.008	3/8	.2500	1/4	B0039	BR-6294-0125	5/8	.014	1/2	.1250	1/4

# Piloted Bonding Brushes



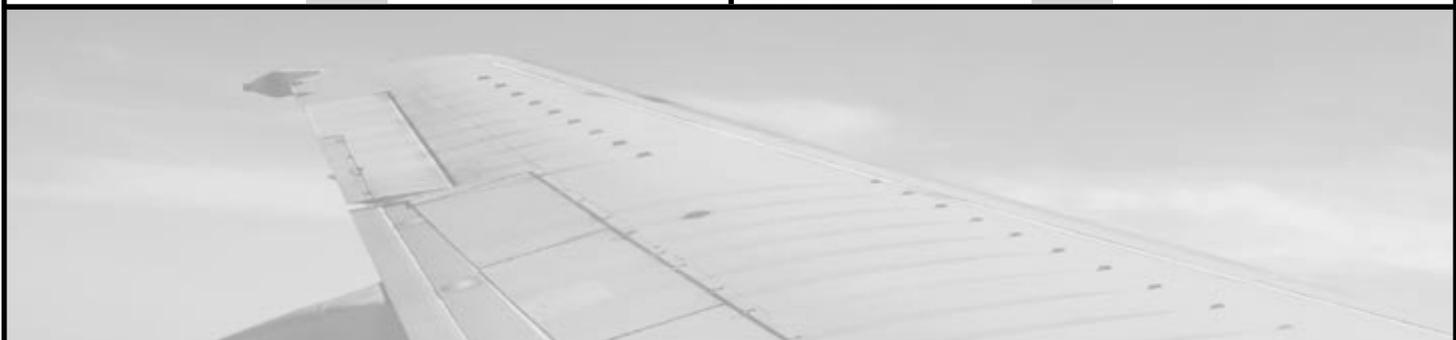
**1/4 Standard Shank**  
 Stainless Steel Fill Material  
 Made In The USA



1/4 Standard Shank

MSFS = 20,000 RPM for Diameters Smaller than 1"  
 MSFS = 14,000 RPM for 1" Diameter Brushes

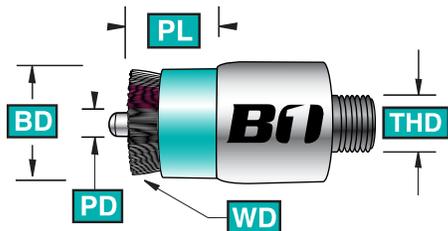
EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	Shank Dia. (SD)	EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	Shank Dia. (SD)
B0040	BR-6234-0156	5/8	.005	1/2	.1562	1/4	B0129	BR-6275-0312	3/4	.010	1/2	.3125	1/4
B0041	BR-6264-0156	5/8	.008	1/2	.1562	1/4	B0066	BR-6295-0312	3/4	.014	1/2	.3125	1/4
B0121	BR-6274-0156	5/8	.010	1/2	.1562	1/4	B0067	BR-6235-0375	3/4	.005	1/2	.3750	1/4
B0042	BR-6294-0156	5/8	.014	1/2	.1562	1/4	B0068	BR-6265-0375	3/4	.008	1/2	.3750	1/4
B0043	BR-6234-0187	5/8	.005	1/2	.1875	1/4	B0130	BR-6275-0375	3/4	.010	1/2	.3750	1/4
B0044	BR-6264-0187	5/8	.008	1/2	.1875	1/4	B0069	BR-6295-0375	3/4	.014	1/2	.3750	1/4
B0122	BR-6274-0187	5/8	.010	1/2	.1875	1/4	B0070	BR-6237-0093	1	.005	1/2	.0938	1/4
B0045	BR-6294-0187	5/8	.014	1/2	.1875	1/4	B0071	BR-6267-0093	1	.008	1/2	.0938	1/4
B0046	BR-6234-0250	5/8	.005	1/2	.2500	1/4	B0131	BR-6277-0093	1	.010	1/2	.0938	1/4
B0047	BR-6264-0250	5/8	.008	1/2	.2500	1/4	B0072	BR-6297-0093	1	.014	1/2	.0938	1/4
B0123	BR-6274-0250	5/8	.010	1/2	.2500	1/4	B0073	BR-6237-0125	1	.005	1/2	.1250	1/4
B0048	BR-6294-0250	5/8	.014	1/2	.2500	1/4	B0074	BR-6267-0125	1	.008	1/2	.1250	1/4
B0049	BR-6235-0093	3/4	.005	1/2	.0938	1/4	B0132	BR-6277-0125	1	.010	1/2	.1250	1/4
B0050	BR-6265-0093	3/4	.008	1/2	.0938	1/4	B0075	BR-6297-0125	1	.014	1/2	.1250	1/4
B0124	BR-6275-0093	3/4	.010	1/2	.0938	1/4	B0076	BR-6237-0156	1	.005	1/2	.1562	1/4
B0051	BR-6295-0093	3/4	.014	1/2	.0938	1/4	B0077	BR-6267-0156	1	.008	1/2	.1562	1/4
B0052	BR-6235-0125	3/4	.005	1/2	.1250	1/4	B0133	BR-6277-0156	1	.010	1/2	.1562	1/4
B0053	BR-6265-0125	3/4	.008	1/2	.1250	1/4	B0078	BR-6297-0156	1	.014	1/2	.1562	1/4
B0125	BR-6275-0125	3/4	.010	1/2	.1250	1/4	B0079	BR-6237-0187	1	.005	1/2	.1875	1/4
B0054	BR-6295-0125	3/4	.014	1/2	.1250	1/4	B0080	BR-6267-0187	1	.008	1/2	.1875	1/4
B0055	BR-6235-0156	3/4	.005	1/2	.1562	1/4	B0134	BR-6277-0187	1	.010	1/2	.1875	1/4
B0056	BR-6265-0156	3/4	.008	1/2	.1562	1/4	B0081	BR-6297-0187	1	.014	1/2	.1875	1/4
B0126	BR-6275-0156	3/4	.010	1/2	.1562	1/4	B0082	BR-6237-0250	1	.005	1/2	.2500	1/4
B0057	BR-6295-0156	3/4	.014	1/2	.1562	1/4	B0083	BR-6267-0250	1	.008	1/2	.2500	1/4
B0058	BR-6235-0187	3/4	.005	1/2	.1875	1/4	B0135	BR-6277-0250	1	.010	1/2	.2500	1/4
B0059	BR-6265-0187	3/4	.008	1/2	.1875	1/4	B0084	BR-6297-0250	1	.014	1/2	.2500	1/4
B0127	BR-6275-0187	3/4	.010	1/2	.1875	1/4	B0085	BR-6237-0312	1	.005	1/2	.3125	1/4
B0060	BR-6295-0187	3/4	.014	1/2	.1875	1/4	B0086	BR-6267-0312	1	.008	1/2	.3125	1/4
B0061	BR-6235-0250	3/4	.005	1/2	.2500	1/4	B0136	BR-6277-0312	1	.010	1/2	.3125	1/4
B0062	BR-6265-0250	3/4	.008	1/2	.2500	1/4	B0087	BR-6297-0312	1	.014	1/2	.3125	1/4
B0128	BR-6275-0250	3/4	.010	1/2	.2500	1/4	B0088	BR-6237-0375	1	.005	1/2	.3750	1/4
B0063	BR-6295-0250	3/4	.014	1/2	.2500	1/4	B0089	BR-6267-0375	1	.008	1/2	.3750	1/4
B0064	BR-6235-0312	3/4	.005	1/2	.3125	1/4	B0137	BR-6277-0375	1	.010	1/2	.3750	1/4
B0065	BR-6265-0312	3/4	.008	1/2	.3125	1/4	B0090	BR-6297-0375	1	.014	1/2	.3750	1/4



# Piloted Bonding Brushes



**1/4-28 Threaded Shank**  
 Aircraft Style B, No Thread Relief  
 Stainless Steel Fill Material  
 Made In The USA



**THD**

Threaded Shank Style B has no thread relief.

MSFS = 20,000 RPM for Diameters Smaller than 1"

MSFS = 14,000 RPM for 1" Diameter Brushes



1/4 - 28 Threaded Shank, Aircraft Style B



.005 .008 .010 .014  
 Brush Wire Diameters

Brush Wire Diameters  
 For Different Applications

- .005 Wire Dia.
- .008 Wire Dia.
- .010 Wire Dia.
- .014 Wire Dia.

- Fine to Light Surface Preparation
- Light to Medium Surface Removal and Preparation
- Medium Surface Removal and Preparation
- Aggressive Surface Removal and Preparation

EDP Number Style B	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	EDP Number Style B	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)
B1100	BR-6231-0093 THD B	1/4	.005	3/8	.0938	B1130	BR-6272-0250 THD B	3/8	.010	3/8	.2500
B1101	BR-6261-0093 THD B	1/4	.008	3/8	.0938	B1131	BR-6292-0250 THD B	3/8	.014	3/8	.2500
B1102	BR-6271-0093 THD B	1/4	.010	3/8	.0938	B1132	BR-6233-0093 THD B	1/2	.005	3/8	.0938
B1103	BR-6291-0093 THD B	1/4	.014	3/8	.0938	B1133	BR-6263-0093 THD B	1/2	.008	3/8	.0938
B1104	BR-6231-0125 THD B	1/4	.005	3/8	.1250	B1134	BR-6273-0093 THD B	1/2	.010	3/8	.0938
B1105	BR-6261-0125 THD B	1/4	.008	3/8	.1250	B1135	BR-6293-0093 THD B	1/2	.014	3/8	.0938
B1106	BR-6271-0125 THD B	1/4	.010	3/8	.1250	B1136	BR-6233-0125 THD B	1/2	.005	3/8	.1250
B1107	BR-6291-0125 THD B	1/4	.014	3/8	.1250	B1137	BR-6263-0125 THD B	1/2	.008	3/8	.1250
B1108	BR-6231-0156 THD B	1/4	.005	3/8	.1562	B1138	BR-6273-0125 THD B	1/2	.010	3/8	.1250
B1109	BR-6261-0156 THD B	1/4	.008	3/8	.1562	B1139	BR-6293-0125 THD B	1/2	.014	3/8	.1250
B1110	BR-6271-0156 THD B	1/4	.010	3/8	.1562	B1140	BR-6233-0156 THD B	1/2	.005	3/8	.1562
B1111	BR-6291-0156 THD B	1/4	.014	3/8	.1562	B1141	BR-6263-0156 THD B	1/2	.008	3/8	.1562
B1112	BR-6231-0187 THD B	1/4	.005	3/8	.1875	B1142	BR-6273-0156 THD B	1/2	.010	3/8	.1562
B1113	BR-6261-0187 THD B	1/4	.008	3/8	.1875	B1143	BR-6293-0156 THD B	1/2	.014	3/8	.1562
B1114	BR-6271-0187 THD B	1/4	.010	3/8	.1875	B1144	BR-6233-0187 THD B	1/2	.005	3/8	.1875
B1115	BR-6291-0187 THD B	1/4	.014	3/8	.1875	B1145	BR-6263-0187 THD B	1/2	.008	3/8	.1875
B1116	BR-6232-0093 THD B	3/8	.005	3/8	.0938	B1146	BR-6273-0187 THD B	1/2	.010	3/8	.1875
B1117	BR-6262-0093 THD B	3/8	.008	3/8	.0938	B1147	BR-6293-0187 THD B	1/2	.014	3/8	.1875
B1118	BR-6272-0093 THD B	3/8	.010	3/8	.0938	B1148	BR-6233-0250 THD B	1/2	.005	3/8	.2500
B1119	BR-6292-0093 THD B	3/8	.014	3/8	.0938	B1149	BR-6263-0250 THD B	1/2	.008	3/8	.2500
B1120	BR-6232-0125 THD B	3/8	.005	3/8	.1250	B1150	BR-6273-0250 THD B	1/2	.010	3/8	.2500
B1121	BR-6262-0125 THD B	3/8	.008	3/8	.1250	B1151	BR-6293-0250 THD B	1/2	.014	3/8	.2500
B1122	BR-6272-0125 THD B	3/8	.010	3/8	.1250	B1152	BR-6234-0093 THD B	5/8	.005	1/2	.0938
B1123	BR-6292-0125 THD B	3/8	.014	3/8	.1250	B1153	BR-6264-0093 THD B	5/8	.008	1/2	.0938
B1124	BR-6232-0187 THD B	3/8	.005	3/8	.1875	B1154	BR-6274-0093 THD B	5/8	.010	1/2	.0938
B1125	BR-6262-0187 THD B	3/8	.008	3/8	.1875	B1155	BR-6294-0093 THD B	5/8	.014	1/2	.0938
B1126	BR-6272-0187 THD B	3/8	.010	3/8	.1875	B1156	BR-6234-0125 THD B	5/8	.005	1/2	.1250
B1127	BR-6292-0187 THD B	3/8	.014	3/8	.1875	B1157	BR-6264-0125 THD B	5/8	.008	1/2	.1250
B1128	BR-6232-0250 THD B	3/8	.005	3/8	.2500	B1158	BR-6274-0125 THD B	5/8	.010	1/2	.1250
B1129	BR-6262-0250 THD B	3/8	.008	3/8	.2500	B1159	BR-6294-0125 THD B	5/8	.014	1/2	.1250

# Piloted Bonding Brushes

**BrushOne**

**1/4-28 Threaded Shank**  
 Aircraft Style B, No Thread Relief  
 Stainless Steel Fill Material  
 Made In The USA



1/4 - 28 Threaded Shank, Aircraft Style B

MSFS = 20,000 RPM for Diameters Smaller than 1"  
 MSFS = 14,000 RPM for 1" Diameter Brushes

EDP Number Style B	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	EDP Number Style B	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)
B1160	BR-6234-0156 THD B	5/8	.005	1/2	.1562	B1186	BR-6275-0187 THD B	3/4	.010	1/2	.1875
B1161	BR-6264-0156 THD B	5/8	.008	1/2	.1562	B1187	BR-6295-0187 THD B	3/4	.014	1/2	.1875
B1162	BR-6274-0156 THD B	5/8	.010	1/2	.1562	B1188	BR-6235-0250 THD B	3/4	.005	1/2	.2500
B1163	BR-6294-0156 THD B	5/8	.014	1/2	.1562	B1189	BR-6265-0250 THD B	3/4	.008	1/2	.2500
B1164	BR-6234-0187 THD B	5/8	.005	1/2	.1875	B1190	BR-6275-0250 THD B	3/4	.010	1/2	.2500
B1165	BR-6264-0187 THD B	5/8	.008	1/2	.1875	B1191	BR-6295-0250 THD B	3/4	.014	1/2	.2500
B1166	BR-6274-0187 THD B	5/8	.010	1/2	.1875	B1192	BR-6237-0093 THD B	1	.005	1/2	.0938
B1167	BR-6294-0187 THD B	5/8	.014	1/2	.1875	B1193	BR-6267-0093 THD B	1	.008	1/2	.0938
B1168	BR-6234-0250 THD B	5/8	.005	1/2	.2500	B1194	BR-6277-0093 THD B	1	.010	1/2	.0938
B1169	BR-6264-0250 THD B	5/8	.008	1/2	.2500	B1195	BR-6297-0093 THD B	1	.014	1/2	.0938
B1170	BR-6274-0250 THD B	5/8	.010	1/2	.2500	B1196	BR-6237-0125 THD B	1	.005	1/2	.1250
B1171	BR-6294-0250 THD B	5/8	.014	1/2	.2500	B1197	BR-6267-0125 THD B	1	.008	1/2	.1250
B1172	BR-6235-0093 THD B	3/4	.005	1/2	.0938	B1198	BR-6277-0125 THD B	1	.010	1/2	.1250
B1173	BR-6265-0093 THD B	3/4	.008	1/2	.0938	B1199	BR-6297-0125 THD B	1	.014	1/2	.1250
B1174	BR-6275-0093 THD B	3/4	.010	1/2	.0938	B1200	BR-6237-0156 THD B	1	.005	1/2	.1562
B1175	BR-6295-0093 THD B	3/4	.014	1/2	.0938	B1201	BR-6267-0156 THD B	1	.008	1/2	.1562
B1176	BR-6235-0125 THD B	3/4	.005	1/2	.1250	B1202	BR-6277-0156 THD B	1	.010	1/2	.1562
B1177	BR-6265-0125 THD B	3/4	.008	1/2	.1250	B1203	BR-6297-0156 THD B	1	.014	1/2	.1562
B1178	BR-6275-0125 THD B	3/4	.010	1/2	.1250	B1204	BR-6237-0187 THD B	1	.005	1/2	.1875
B1179	BR-6295-0125 THD B	3/4	.014	1/2	.1250	B1205	BR-6267-0187 THD B	1	.008	1/2	.1875
B1180	BR-6235-0156 THD B	3/4	.005	1/2	.1562	B1206	BR-6277-0187 THD B	1	.010	1/2	.1875
B1181	BR-6265-0156 THD B	3/4	.008	1/2	.1562	B1207	BR-6297-0187 THD B	1	.014	1/2	.1875
B1182	BR-6275-0156 THD B	3/4	.010	1/2	.1562	B1208	BR-6237-0250 THD B	1	.005	1/2	.2500
B1183	BR-6295-0156 THD B	3/4	.014	1/2	.1562	B1209	BR-6267-0250 THD B	1	.008	1/2	.2500
B1184	BR-6235-0187 THD B	3/4	.005	1/2	.1875	B1210	BR-6277-0250 THD B	1	.010	1/2	.2500
B1185	BR-6265-0187 THD B	3/4	.008	1/2	.1875	B1211	BR-6297-0250 THD B	1	.014	1/2	.2500



# Piloted Bonding Brushes

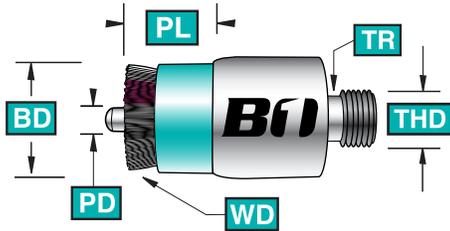


## 1/4-28 Threaded Shank

Aircraft Style L, with Thread Relief

Stainless Steel Fill Material

Made In The USA



**TR**

Threaded Shank Style L has thread relief.

MSFS = 20,000 RPM for Diameters Smaller than 1"

MSFS = 14,000 RPM for 1" Diameter Brushes



1/4 - 28 Threaded Shank, Aircraft Style L



.005 .008 .010 .014

Brush Wire Diameters

Brush Wire Diameters  
For Different Applications

- .005 Wire Dia.
- .008 Wire Dia.
- .010 Wire Dia.
- .014 Wire Dia.

Fine to Light Surface Preparation  
Light to Medium Surface Removal and Preparation  
Medium Surface Removal and Preparation  
Aggressive Surface Removal and Preparation

EDP Number Style L	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	EDP Number Style L	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)
B1300	BR-6231-0093 THD L	1/4	.005	3/8	.0938	B1330	BR-6272-0250 THD L	3/8	.010	3/8	.2500
B1301	BR-6261-0093 THD L	1/4	.008	3/8	.0938	B1331	BR-6292-0250 THD L	3/8	.014	3/8	.2500
B1302	BR-6271-0093 THD L	1/4	.010	3/8	.0938	B1332	BR-6233-0093 THD L	1/2	.005	3/8	.0938
B1303	BR-6291-0093 THD L	1/4	.014	3/8	.0938	B1333	BR-6263-0093 THD L	1/2	.008	3/8	.0938
B1304	BR-6231-0125 THD L	1/4	.005	3/8	.1250	B1334	BR-6273-0093 THD L	1/2	.010	3/8	.0938
B1305	BR-6261-0125 THD L	1/4	.008	3/8	.1250	B1335	BR-6293-0093 THD L	1/2	.014	3/8	.0938
B1306	BR-6271-0125 THD L	1/4	.010	3/8	.1250	B1336	BR-6233-0125 THD L	1/2	.005	3/8	.1250
B1307	BR-6291-0125 THD L	1/4	.014	3/8	.1250	B1337	BR-6263-0125 THD L	1/2	.008	3/8	.1250
B1308	BR-6231-0156 THD L	1/4	.005	3/8	.1562	B1338	BR-6273-0125 THD L	1/2	.010	3/8	.1250
B1309	BR-6261-0156 THD L	1/4	.008	3/8	.1562	B1339	BR-6293-0125 THD L	1/2	.014	3/8	.1250
B1310	BR-6271-0156 THD L	1/4	.010	3/8	.1562	B1340	BR-6233-0156 THD L	1/2	.005	3/8	.1562
B1311	BR-6291-0156 THD L	1/4	.014	3/8	.1562	B1341	BR-6263-0156 THD L	1/2	.008	3/8	.1562
B1312	BR-6231-0187 THD L	1/4	.005	3/8	.1875	B1342	BR-6273-0156 THD L	1/2	.010	3/8	.1562
B1313	BR-6261-0187 THD L	1/4	.008	3/8	.1875	B1343	BR-6293-0156 THD L	1/2	.014	3/8	.1562
B1314	BR-6271-0187 THD L	1/4	.010	3/8	.1875	B1344	BR-6233-0187 THD L	1/2	.005	3/8	.1875
B1315	BR-6291-0187 THD L	1/4	.014	3/8	.1875	B1345	BR-6263-0187 THD L	1/2	.008	3/8	.1875
B1316	BR-6232-0093 THD L	3/8	.005	3/8	.0938	B1346	BR-6273-0187 THD L	1/2	.010	3/8	.1875
B1317	BR-6262-0093 THD L	3/8	.008	3/8	.0938	B1347	BR-6293-0187 THD L	1/2	.014	3/8	.1875
B1318	BR-6272-0093 THD L	3/8	.010	3/8	.0938	B1348	BR-6233-0250 THD L	1/2	.005	3/8	.2500
B1319	BR-6292-0093 THD L	3/8	.014	3/8	.0938	B1349	BR-6263-0250 THD L	1/2	.008	3/8	.2500
B1320	BR-6232-0125 THD L	3/8	.005	3/8	.1250	B1350	BR-6273-0250 THD L	1/2	.010	3/8	.2500
B1321	BR-6262-0125 THD L	3/8	.008	3/8	.1250	B1351	BR-6293-0250 THD L	1/2	.014	3/8	.2500
B1322	BR-6272-0125 THD L	3/8	.010	3/8	.1250	B1352	BR-6234-0093 THD L	5/8	.005	1/2	.0938
B1323	BR-6292-0125 THD L	3/8	.014	3/8	.1250	B1353	BR-6264-0093 THD L	5/8	.008	1/2	.0938
B1324	BR-6232-0187 THD L	3/8	.005	3/8	.1875	B1354	BR-6274-0093 THD L	5/8	.010	1/2	.0938
B1325	BR-6262-0187 THD L	3/8	.008	3/8	.1875	B1355	BR-6294-0093 THD L	5/8	.014	1/2	.0938
B1326	BR-6272-0187 THD L	3/8	.010	3/8	.1875	B1356	BR-6234-0125 THD L	5/8	.005	1/2	.1250
B1327	BR-6292-0187 THD L	3/8	.014	3/8	.1875	B1357	BR-6264-0125 THD L	5/8	.008	1/2	.1250
B1328	BR-6232-0250 THD L	3/8	.005	3/8	.2500	B1358	BR-6274-0125 THD L	5/8	.010	1/2	.1250
B1329	BR-6262-0250 THD L	3/8	.008	3/8	.2500	B1359	BR-6294-0125 THD L	5/8	.014	1/2	.1250

# Piloted Bonding Brushes



**1/4-28 Threaded Shank**  
 Aircraft Style L, with Thread Relief  
 Stainless Steel Fill Material  
 Made In The USA

MSFS = 20,000 RPM for Diameters Smaller than 1"  
 MSFS = 14,000 RPM for 1" Diameter Brushes



1/4 - 28 Threaded Shank, Aircraft Style L

EDP Number Style L	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	EDP Number Style L	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)
B1360	BR-6234-0156 THD L	5/8	.005	1/2	.1562	B1386	BR-6275-0187 THD L	3/4	.010	1/2	.1875
B1361	BR-6264-0156 THD L	5/8	.008	1/2	.1562	B1387	BR-6295-0187 THD L	3/4	.014	1/2	.1875
B1362	BR-6274-0156 THD L	5/8	.010	1/2	.1562	B1388	BR-6235-0250 THD L	3/4	.005	1/2	.2500
B1363	BR-6294-0156 THD L	5/8	.014	1/2	.1562	B1389	BR-6265-0250 THD L	3/4	.008	1/2	.2500
B1364	BR-6234-0187 THD L	5/8	.005	1/2	.1875	B1390	BR-6275-0250 THD L	3/4	.010	1/2	.2500
B1365	BR-6264-0187 THD L	5/8	.008	1/2	.1875	B1391	BR-6295-0250 THD L	3/4	.014	1/2	.2500
B1366	BR-6274-0187 THD L	5/8	.010	1/2	.1875	B1392	BR-6237-0093 THD L	1	.005	1/2	.0938
B1367	BR-6294-0187 THD L	5/8	.014	1/2	.1875	B1393	BR-6267-0093 THD L	1	.008	1/2	.0938
B1368	BR-6234-0250 THD L	5/8	.005	1/2	.2500	B1394	BR-6277-0093 THD L	1	.010	1/2	.0938
B1369	BR-6264-0250 THD L	5/8	.008	1/2	.2500	B1395	BR-6297-0093 THD L	1	.014	1/2	.0938
B1370	BR-6274-0250 THD L	5/8	.010	1/2	.2500	B1396	BR-6237-0125 THD L	1	.005	1/2	.1250
B1371	BR-6294-0250 THD L	5/8	.014	1/2	.2500	B1397	BR-6267-0125 THD L	1	.008	1/2	.1250
B1372	BR-6235-0093 THD L	3/4	.005	1/2	.0938	B1398	BR-6277-0125 THD L	1	.010	1/2	.1250
B1373	BR-6265-0093 THD L	3/4	.008	1/2	.0938	B1399	BR-6297-0125 THD L	1	.014	1/2	.1250
B1374	BR-6275-0093 THD L	3/4	.010	1/2	.0938	B1400	BR-6237-0156 THD L	1	.005	1/2	.1562
B1375	BR-6295-0093 THD L	3/4	.014	1/2	.0938	B1401	BR-6267-0156 THD L	1	.008	1/2	.1562
B1376	BR-6235-0125 THD L	3/4	.005	1/2	.1250	B1402	BR-6277-0156 THD L	1	.010	1/2	.1562
B1377	BR-6265-0125 THD L	3/4	.008	1/2	.1250	B1403	BR-6297-0156 THD L	1	.014	1/2	.1562
B1378	BR-6275-0125 THD L	3/4	.010	1/2	.1250	B1404	BR-6237-0187 THD L	1	.005	1/2	.1875
B1379	BR-6295-0125 THD L	3/4	.014	1/2	.1250	B1405	BR-6267-0187 THD L	1	.008	1/2	.1875
B1380	BR-6235-0156 THD L	3/4	.005	1/2	.1562	B1406	BR-6277-0187 THD L	1	.010	1/2	.1875
B1381	BR-6265-0156 THD L	3/4	.008	1/2	.1562	B1407	BR-6297-0187 THD L	1	.014	1/2	.1875
B1382	BR-6275-0156 THD L	3/4	.010	1/2	.1562	B1408	BR-6237-0250 THD L	1	.005	1/2	.2500
B1383	BR-6295-0156 THD L	3/4	.014	1/2	.1562	B1409	BR-6267-0250 THD L	1	.008	1/2	.2500
B1384	BR-6235-0187 THD L	3/4	.005	1/2	.1875	B1410	BR-6277-0250 THD L	1	.010	1/2	.2500
B1385	BR-6265-0187 THD L	3/4	.008	1/2	.1875	B1411	BR-6297-0250 THD L	1	.014	1/2	.2500



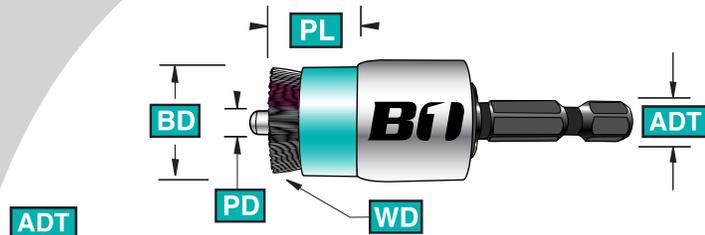
# Piloted Bonding Brushes

# BrushOne

## Hex Adapter Shank, 6 Flats

Stainless Steel Fill Material

Made In The USA



The adapter on this brush has a hex shank with 6 flats, quick change shank for repetitive surface preparation applications. Primarily used in the automotive, heavy equipment and aircraft industries to prepare surfaces for grounded contacts.

MSFS = 20,000 RPM for Diameters Smaller than 1"

MSFS = 14,000 RPM for 1" Diameter Brushes



Quick Change Hex Adapter Shank



.005 .008 .010 .014

Brush Wire Diameters

### Brush Wire Diameters For Different Applications

- .005 Wire Dia.
- .008 Wire Dia.
- .010 Wire Dia.
- .014 Wire Dia.

- Fine to Light Surface Preparation
- Light to Medium Surface Removal and Preparation
- Medium Surface Removal and Preparation
- Aggressive Surface Removal and Preparation

EDP Number Hex Shk.	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	EDP Number Hex Shk.	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)
B1500	BR-6231-0093H	1/4	.005	3/8	.0938	B1530	BR-6272-0250H	3/8	.010	3/8	.2500
B1501	BR-6261-0093H	1/4	.008	3/8	.0938	B1531	BR-6292-0250H	3/8	.014	3/8	.2500
B1502	BR-6271-0093H	1/4	.010	3/8	.0938	B1532	BR-6233-0093H	1/2	.005	3/8	.0938
B1503	BR-6291-0093H	1/4	.014	3/8	.0938	B1533	BR-6263-0093H	1/2	.008	3/8	.0938
B1504	BR-6231-0125H	1/4	.005	3/8	.1250	B1534	BR-6273-0093H	1/2	.010	3/8	.0938
B1505	BR-6261-0125H	1/4	.008	3/8	.1250	B1535	BR-6293-0093H	1/2	.014	3/8	.0938
B1506	BR-6271-0125H	1/4	.010	3/8	.1250	B1536	BR-6233-0125H	1/2	.005	3/8	.1250
B1507	BR-6291-0125H	1/4	.014	3/8	.1250	B1537	BR-6263-0125H	1/2	.008	3/8	.1250
B1508	BR-6231-0156H	1/4	.005	3/8	.1562	B1538	BR-6273-0125H	1/2	.010	3/8	.1250
B1509	BR-6261-0156H	1/4	.008	3/8	.1562	B1539	BR-6293-0125H	1/2	.014	3/8	.1250
B1510	BR-6271-0156H	1/4	.010	3/8	.1562	B1540	BR-6233-0156H	1/2	.005	3/8	.1562
B1511	BR-6291-0156H	1/4	.014	3/8	.1562	B1541	BR-6263-0156H	1/2	.008	3/8	.1562
B1512	BR-6231-0187H	1/4	.005	3/8	.1875	B1542	BR-6273-0156H	1/2	.010	3/8	.1562
B1513	BR-6261-0187H	1/4	.008	3/8	.1875	B1543	BR-6293-0156H	1/2	.014	3/8	.1562
B1514	BR-6271-0187H	1/4	.010	3/8	.1875	B1544	BR-6233-0187H	1/2	.005	3/8	.1875
B1515	BR-6291-0187H	1/4	.014	3/8	.1875	B1545	BR-6263-0187H	1/2	.008	3/8	.1875
B1516	BR-6232-0093H	3/8	.005	3/8	.0938	B1546	BR-6273-0187H	1/2	.010	3/8	.1875
B1517	BR-6262-0093H	3/8	.008	3/8	.0938	B1547	BR-6293-0187H	1/2	.014	3/8	.1875
B1518	BR-6272-0093H	3/8	.010	3/8	.0938	B1548	BR-6233-0250H	1/2	.005	3/8	.2500
B1519	BR-6292-0093H	3/8	.014	3/8	.0938	B1549	BR-6263-0250H	1/2	.008	3/8	.2500
B1520	BR-6232-0125H	3/8	.005	3/8	.1250	B1550	BR-6273-0250H	1/2	.010	3/8	.2500
B1521	BR-6262-0125H	3/8	.008	3/8	.1250	B1551	BR-6293-0250H	1/2	.014	3/8	.2500
B1522	BR-6272-0125H	3/8	.010	3/8	.1250	B1552	BR-6234-0093H	5/8	.005	1/2	.0938
B1523	BR-6292-0125H	3/8	.014	3/8	.1250	B1553	BR-6264-0093H	5/8	.008	1/2	.0938
B1524	BR-6232-0187H	3/8	.005	3/8	.1875	B1554	BR-6274-0093H	5/8	.010	1/2	.0938
B1525	BR-6262-0187H	3/8	.008	3/8	.1875	B1555	BR-6294-0093H	5/8	.014	1/2	.0938
B1526	BR-6272-0187H	3/8	.010	3/8	.1875	B1556	BR-6234-0125H	5/8	.005	1/2	.1250
B1527	BR-6292-0187H	3/8	.014	3/8	.1875	B1557	BR-6264-0125H	5/8	.008	1/2	.1250
B1528	BR-6232-0250H	3/8	.005	3/8	.2500	B1558	BR-6274-0125H	5/8	.010	1/2	.1250
B1529	BR-6262-0250H	3/8	.008	3/8	.2500	B1559	BR-6294-0125H	5/8	.014	1/2	.1250

# Piloted Bonding Brushes

**BrushOne**

## Hex Adapter Shank, 6 Flats

Stainless Steel Fill Material

Made In The USA



Quick Change Hex Adapter Shank

MSFS = 20,000 RPM for Diameters Smaller than 1"

MSFS = 14,000 RPM for 1" Diameter Brushes

EDP Number Hex Shk.	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)	EDP Number Hex Shk.	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Pilot Dia. (PD)
B1560	BR-6234-0156H	5/8	.005	1/2	.1562	B1586	BR-6275-0187H	3/4	.010	1/2	.1875
B1561	BR-6264-0156H	5/8	.008	1/2	.1562	B1587	BR-6295-0187H	3/4	.014	1/2	.1875
B1562	BR-6274-0156H	5/8	.010	1/2	.1562	B1588	BR-6235-0250H	3/4	.005	1/2	.2500
B1563	BR-6294-0156H	5/8	.014	1/2	.1562	B1589	BR-6265-0250H	3/4	.008	1/2	.2500
B1564	BR-6234-0187H	5/8	.005	1/2	.1875	B1590	BR-6275-0250H	3/4	.010	1/2	.2500
B1565	BR-6264-0187H	5/8	.008	1/2	.1875	B1591	BR-6295-0250H	3/4	.014	1/2	.2500
B1566	BR-6274-0187H	5/8	.010	1/2	.1875	B1592	BR-6237-0093H	1	.005	1/2	.0938
B1567	BR-6294-0187H	5/8	.014	1/2	.1875	B1593	BR-6267-0093H	1	.008	1/2	.0938
B1568	BR-6234-0250H	5/8	.005	1/2	.2500	B1594	BR-6277-0093H	1	.010	1/2	.0938
B1569	BR-6264-0250H	5/8	.008	1/2	.2500	B1595	BR-6297-0093H	1	.014	1/2	.0938
B1570	BR-6274-0250H	5/8	.010	1/2	.2500	B1596	BR-6237-0125H	1	.005	1/2	.1250
B1571	BR-6294-0250H	5/8	.014	1/2	.2500	B1597	BR-6267-0125H	1	.008	1/2	.1250
B1572	BR-6235-0093H	3/4	.005	1/2	.0938	B1598	BR-6277-0125H	1	.010	1/2	.1250
B1573	BR-6265-0093H	3/4	.008	1/2	.0938	B1599	BR-6297-0125H	1	.014	1/2	.1250
B1574	BR-6275-0093H	3/4	.010	1/2	.0938	B1600	BR-6237-0156H	1	.005	1/2	.1562
B1575	BR-6295-0093H	3/4	.014	1/2	.0938	B1601	BR-6267-0156H	1	.008	1/2	.1562
B1576	BR-6235-0125H	3/4	.005	1/2	.1250	B1602	BR-6277-0156H	1	.010	1/2	.1562
B1577	BR-6265-0125H	3/4	.008	1/2	.1250	B1603	BR-6297-0156H	1	.014	1/2	.1562
B1578	BR-6275-0125H	3/4	.010	1/2	.1250	B1604	BR-6237-0187H	1	.005	1/2	.1875
B1579	BR-6295-0125H	3/4	.014	1/2	.1250	B1605	BR-6267-0187H	1	.008	1/2	.1875
B1580	BR-6235-0156H	3/4	.005	1/2	.1562	B1606	BR-6277-0187H	1	.010	1/2	.1875
B1581	BR-6265-0156H	3/4	.008	1/2	.1562	B1607	BR-6297-0187H	1	.014	1/2	.1875
B1582	BR-6275-0156H	3/4	.010	1/2	.1562	B1608	BR-6237-0250H	1	.005	1/2	.2500
B1583	BR-6295-0156H	3/4	.014	1/2	.1562	B1609	BR-6267-0250H	1	.008	1/2	.2500
B1584	BR-6235-0187H	3/4	.005	1/2	.1875	B1610	BR-6277-0250H	1	.010	1/2	.2500
B1585	BR-6265-0187H	3/4	.008	1/2	.1875	B1611	BR-6297-0250H	1	.014	1/2	.2500

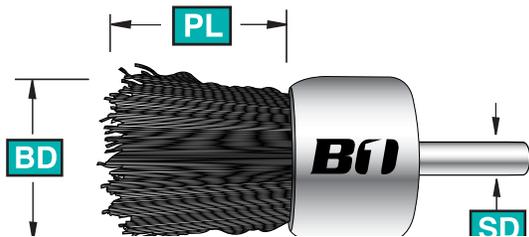


# Solid Fill End Brushes

**BrushOne**

## 1/4" Stem Mounted Standard

Stainless Steel  
Made In The USA



1/4" Stem mounted general purpose brush for light to heavy duty cleaning and finishing. Great for recessed and internal brushing applications. Variable trim lengths and wire diameters will help to provide a more aggressive cleaning action.

MSFS = 20,000 RPM for Diameters Smaller than 1"

MSFS = 14,000 RPM for 1" Diameter Brushes



1/4 Stem Mounted Standard Shank



.005 .008 .010 .014  
Brush Wire Diameters

### Brush Wire Diameters For Different Applications

.005 Wire Dia.  
.008 Wire Dia.  
.010 Wire Dia.  
.014 Wire Dia.

Fine to Light Surface Preparations  
Light to Medium Surface Removal and Preparation  
Medium Surface Removal and Preparation  
Aggressive Surface Removal and Preparation

EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Shank Dia. (SD)	EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Shank Dia. (SD)
B0420	BR-4231-1000	1/4	.005	1	1/4	B0429	BR-4234-1000	5/8	.005	1	1/4
B0421	BR-4261-1000	1/4	.008	1	1/4	B0430	BR-4264-1000	5/8	.008	1	1/4
B0422	BR-4271-1000	1/4	.010	1	1/4	B0431	BR-4274-1000	5/8	.010	1	1/4
B0423	BR-4291-1000	1/4	.014	1	1/4	B0432	BR-4294-1000	5/8	.014	1	1/4
B0424	BR-4232-1000	3/8	.005	1	1/4	B0403	BR-4235-1000	3/4	.005	1	1/4
B0425	BR-4262-1000	3/8	.008	1	1/4	B0433	BR-4265-1000	3/4	.008	1	1/4
B0426	BR-4272-1000	3/8	.010	1	1/4	B0404	BR-4275-1000	3/4	.010	1	1/4
B0427	BR-4292-1000	3/8	.014	1	1/4	B0405	BR-4295-1000	3/4	.014	1	1/4
B0400	BR-4233-1000	1/2	.005	1	1/4	B0406	BR-4237-1000	1	.005	1	1/4
B0428	BR-4263-1000	1/2	.008	1	1/4	B0434	BR-4267-1000	1	.008	1	1/4
B0401	BR-4273-1000	1/2	.010	1	1/4	B0407	BR-4277-1000	1	.010	1	1/4
B0402	BR-4293-1000	1/2	.014	1	1/4	B0408	BR-4297-1000	1	.014	1	1/4

Note: Brush numbers indicate standard trim.

\*Other Fill Materials Available Upon Request. (Brass, Nickel Silver, Carbon Steel, Nylon, Horse Hair, Surfex)

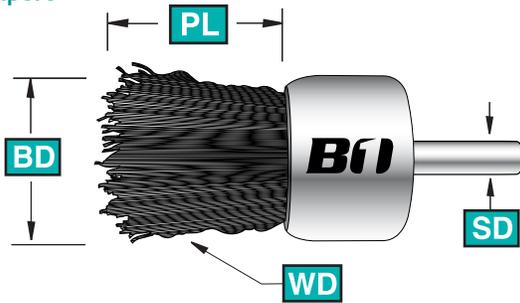


# Crimped Wire End Brushes



## Crimped Wire End Brush

Carbon Steel  
Stainless Steel  
Quality Import



1/4" Stem mounted general purpose Solid Fill End Brush for moderate to heavy duty cleaning and finishing.

MSFS = 6,000 RPM



1/4 Stem Mounted Standard Shank

### Carbon Steel

### Stainless Steel

EDP Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Shank Dia. (SD)
B3000	3/8	.014	3/4	1/4
B3001	1/2	.014	1	1/4

EDP Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Shank Dia. (SD)
B3010	3/8	.006	3/4	1/4
B3011	3/8	.010	3/4	1/4
B3012	1/2	.006	1	1/4
B3013	1/2	.010	1	1/4
B3014	5/8	.006	1	1/4
B3015	5/8	.010	1	1/4
B3016	3/4	.006	1	1/4
B3017	1	.006	1	1/4

# Knotted Wire End Brushes

## 1/4" Stem Mounted Standard

Carbon Steel  
Quality Import



1/4" Stem mounted general purpose Knotted Wire End Brush for aggressive cleaning and finishing.

MSFS = 8,000 RPM



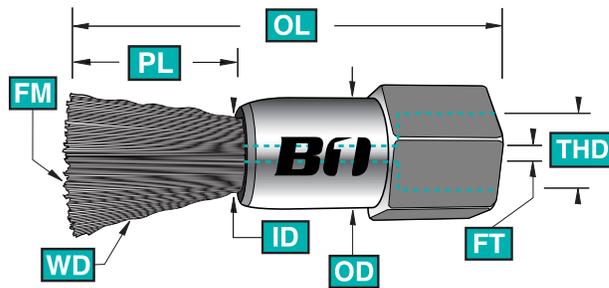
1/4 Stem Mounted Standard Shank

EDP Number	Brush Dia. (BD)	Wire Dia. (WD)	Part Length (PL)	Shank Dia. (SD)
B3020	3/4	.020	1-1/4	1/4
B3021	7/8	.020	1-1/4	1/4
B3022	1	.020	1-1/4	1/4

# Fountain Brushes

# BrushOne

3/8-24 Internal Thread  
 1/8 NPT Internal Thread  
 Horse Hair & Nylon  
 Made In The USA



**THD**   **PL**   **FM**

Be sure to call out Thread Size, Part Length and Fill Material when ordering.

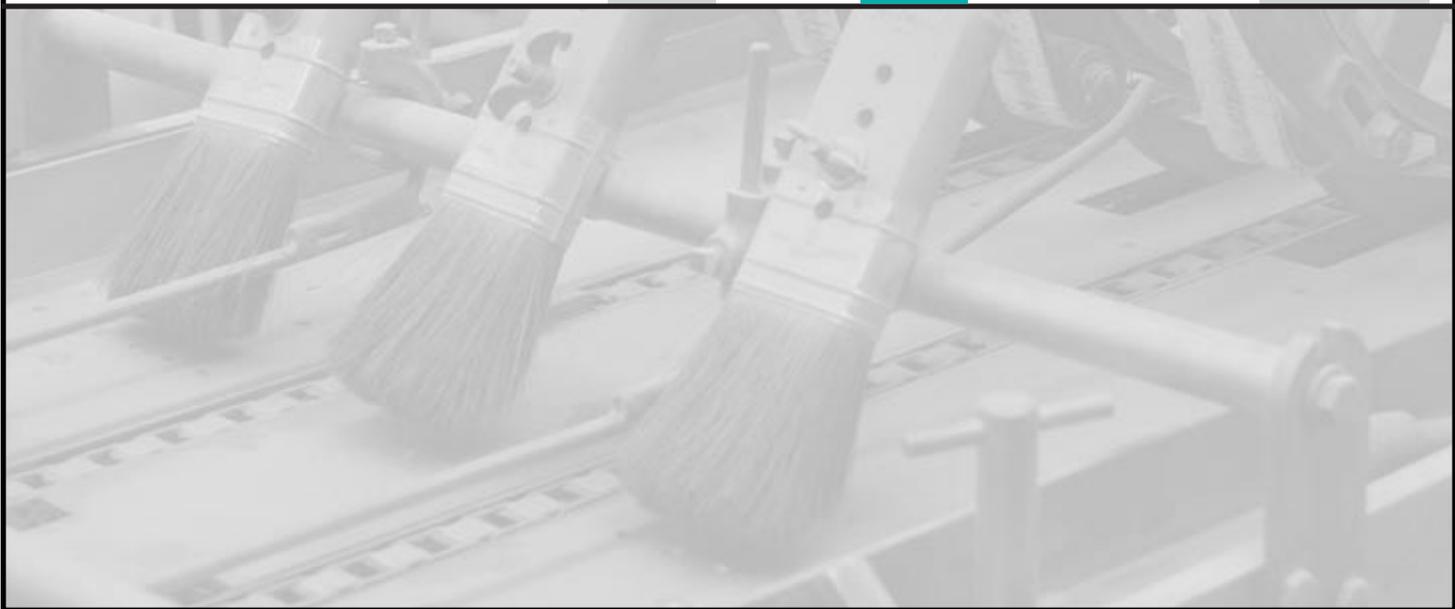


Nylon Fountain Brush with Internal Thread



Horse Hair Fountain Brush with Internal Thread

EDP Number	Brush Number	Cup Size OD (OD)	Cup Size ID (ID)	Part Length (PL)	Overall Length (OL)	Thread Size (THD)	Fountain Tube ID (FT)	Fill Material (FM)	Diameter Of Nylon (WD)
B0500	BR-1601-0750	3/8	1/4	3/4	1-7/8	3/8-24 NF or 1/8 NPT	1/8	Horse Hair	Standard Nylon is .012
B0501	BR-1581-0750	3/8	1/4	3/4	1-7/8		1/8	Nylon	
B0502	BR-1602-0750	1/2	3/8	3/4	1-7/8		1/8	Horse Hair	
B0503	BR-1582-0750	1/2	3/8	3/4	1-7/8		1/8	Nylon	Nylon can also be ordered in .006, .010, Crimped or .014 Straight Nylon
B0504	BR-1603-0875	5/8	1/2	7/8	1-3/4		1/8	Horse Hair	
B0505	BR-1583-0875	5/8	1/2	7/8	1-3/4		1/8	Nylon	
B0506	BR-1603-1250	5/8	1/2	1-1/4	1-3/4		1/8	Horse Hair	
B0507	BR-1583-1250	5/8	1/2	1-1/4	1-3/4		1/8	Nylon	
B0508	BR-1605-1250	7/8	3/4	1-1/4	2-1/2		1/8	Horse Hair	
B0509	BR-1585-1250	7/8	3/4	1-1/4	2-1/2		1/8	Nylon	
B0510	BR-1607-1750	1-1/8	1	1-3/4	2-7/8		3/16	Horse Hair	
B0511	BR-1587-1750	1-1/8	1	1-3/4	2-7/8	3/16	Nylon		

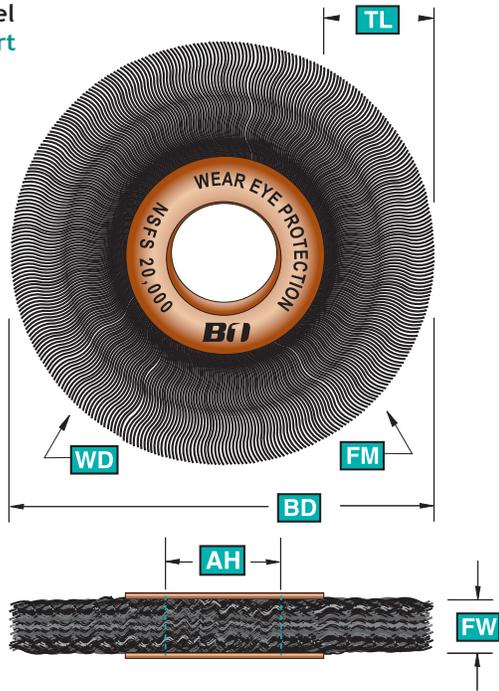


# Wheel Brushes



## Miniature Wheel Brushes

Carbon Steel  
Stainless Steel  
Quality Import



Our Miniature Wheel Brushes can also be mounted side by side for cleaning and polishing surfaces. Great for paint, rust and scale removal. Some of our customers have also used these to scuff surfaces to aid in glued adhesions with other surfaces.



Miniature Wheel Brush



Two Miniature Wheel Brushes Mounted Side by Side with Ground Angle

EDP Number	Brush Number	Brush Dia. (BD)	Wire Dia. (WD)	Face Width (FW)	Arbor Hole (AH)
<b>Carbon Steel</b>					
B0205	3192-1500	1-1/2	.014	C/S	3/8
B0210	3183-2000	2	.012	C/S	1/2
B0212	3193-2500	2-1/2	.014	C/S	1/2
B0206	3192-1500	1-1/2	.014	C/S	3/8
B0213	3193-2500	2-1/2	.014	C/S	1/2
<b>Stainless Steel</b>					
B0230	3242-2125	2-1/8	.006	S/S	3/8
B0207	3243-2000	2	.006	S/S	1/2
B0231	3243-3000	3	.006	S/S	1/2
B0232	3243-4000	4	.006	S/S	1/2
B0200	3251-1375	1-3/8	.007	S/S	1/4
B0203	3252-1500	1-1/2	.007	S/S	3/8
B0208	3253-2000	2	.007	S/S	1/2
B0233	3253-3000	3	.007	S/S	1/2
B0234	3254-4000	4	.007	S/S	5/8
B0235	3254-6000	6	.007	S/S	5/8
B0201	3261-1375	1-3/8	.008	S/S	1/4
B0204	3262-1500	1-1/2	.008	S/S	3/8
B0209	3263-2000	2	.008	S/S	1/2
B0202	3271-1375	1-3/8	.010	S/S	1/4
<b>Stainless Steel (cont.)</b>					
B0237	3273-3000	3	.010	S/S	1/2
B0250	3292-1500	1-1/2	.014	S/S	3/8
B0251	3231-1000	1	.005	S/S	1/4
B0252	3232-2000	2	.005	S/S	3/8
B0253	3233-2000	2	.005	S/S	1/2
B0254	3233-3000	3	.005	S/S	1/2
B0214	3241-1375	1-3/8	.006	S/S	1/4
B0216	3242-1500	1-1/2	.006	S/S	3/8
B0219	3243-2000	2	.006	S/S	1/2
B0222	3243-2500	2-1/2	.006	S/S	1/2
B0255	3243-3000	3	.006	S/S	1/2
B0215	3251-1375	1-3/8	.007	S/S	1/4
B0217	3262-1500	1-1/2	.007	S/S	3/8
B0256	3262-2000	2	.008	S/S	3/8
B0220	3263-2000	2	.008	S/S	1/2
B0221	3273-2000	2	.010	S/S	1/2
B0218	3282-1500	1-1/2	.012	S/S	3/8
<b>Nylon</b>					
B0257	BR-3541-1125	1-1/8	.006	Nylon	1/4

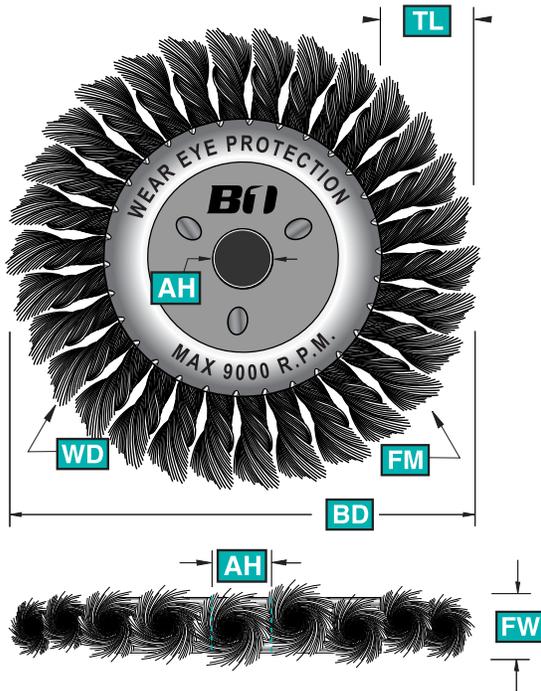
# Wheel Brushes

## Knotted Wire Wheel Brushes

304 Stainless Steel

82B Tempered Carbon Steel

Quality Import



Stringer Bead Wire Wheel Brushes are great for bead weld cleaning in small areas and where tubes and fittings are joined. The Standard Twist style is used for heavy duty cleaning. We recommend using the Standard Twist for weld cleaning, weld spatter removal, scale removal, deburring and flash removal.

See Chart for RPM Recommendations.

# BrushOne



Knotted Wire Wheel Brush  
7/8 Arbor Hole



Knotted Wire Wheel Brush  
5/8-11 Arbor Hole

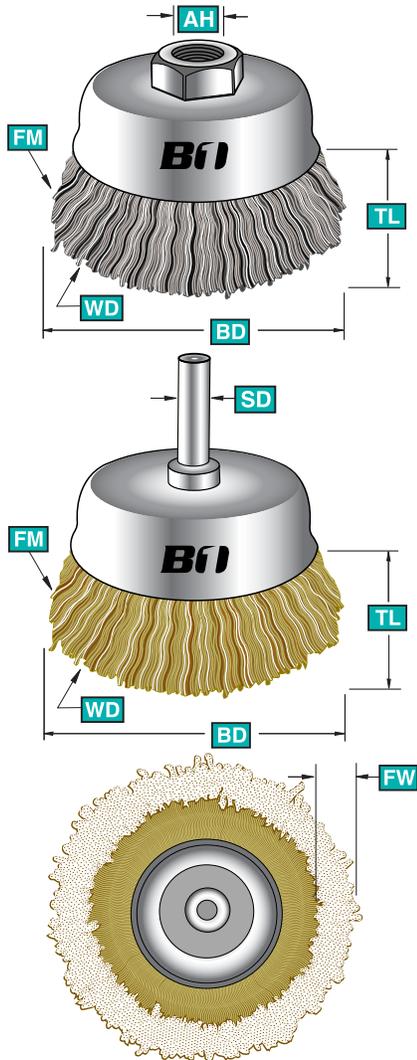


Face View

EDP Number Carbon	Brush Dia. (BD)	Wire Dia. (WD)	Trim Length (TL)	Face Width (FW)	Knot Type (KT)	# Of Knots (NK)	Arbor Hole (AH)	Max RPM (RPM)
<b>Carbon Steel</b>								
B3050	4	.020	3/4	3/8	Stringer Bead	32	5/8-11	11000
B3051	4	.020	3/4	3/8	Stringer Bead	32	7/8 AH	11000
B3052	4	.020	3/4	5/8	Standard Twist	18	5/8-11	11000
B3053	6	.020	1	3/4	Full Cable Twist	32	5/8-11	9000
B3054	6	.020	1	3/4	Full Cable Twist	32	7/8 AH	9000
<b>Stainless Steel</b>								
B3055	4	.020	3/4	3/8	Stringer Bead	32	5/8-11	11000
B3056	4	.020	3/4	3/8	Stringer Bead	32	7/8 AH	11000
B3057	4	.020	3/4	5/8	Standard Twist	18	7/8 AH	11000

# Crimped Wire Cup Brushes

Carbon Steel  
Stainless Steel  
Brass  
Quality Import



Crimped Wire Cup Brushes are designed to remove light deposits of scale, paint, rust or burrs. Finer wire sizes are recommended in polishing applications.

See Chart for RPM Recommendations.

# BrushOne



Carbon Steel Cup Brush, 5/8-11 Arbor Hole



Brass Cup Brush, 1/8" Stem



Brass Cup Brush, Face View

## Carbon Steel

## Stainless Steel & Brass

EDP Number C/S	Brush Dia. (BD)	Wire Dia. (WD)	Face Width (FW)	Shank Config. (AH, SD)	Max RPM (RPM)
<b>5/8-11 AH</b>					
B3070	2-3/4	.014	3/4	5/8-11	12500
B3071	4	.014	1-1/8	5/8-11	8500
B3072	4	.020	1-1/8	5/8-11	8500
B3073	6	.020	1-3/8	5/8-11	4500
<b>1/4" Stem</b>					
B3090	1-1/2	.012	9/16	1/4	4500
B3091	2	.012	23/32	1/4	4500
B3092	2-1/2	.012	7/8	1/4	4500
B3093	3	.012	1-5/32	1/4	4500

EDP Number S/S & Brass	Brush Dia. (BD)	Wire Dia. (WD)	Face Width (FW)	Stem Dia. (SD)	Max RPM (RPM)
<b>S/S</b>					
B3075	5/8	.004	3/8	1/8	4500
B3076	1	.005	7/16	1/8	4500
B3077	1-1/2	.006	9/16	1/4	4500
B3078	2	.006	23/32	1/4	4500
B3079	2-1/2	.006	7/8	1/4	4500
B3080	3	.006	1-5/32	1/4	4500
<b>Brass</b>					
B3081	5/8	.004	3/8	1/8	4500
B3082	1	.005	7/16	1/8	4500

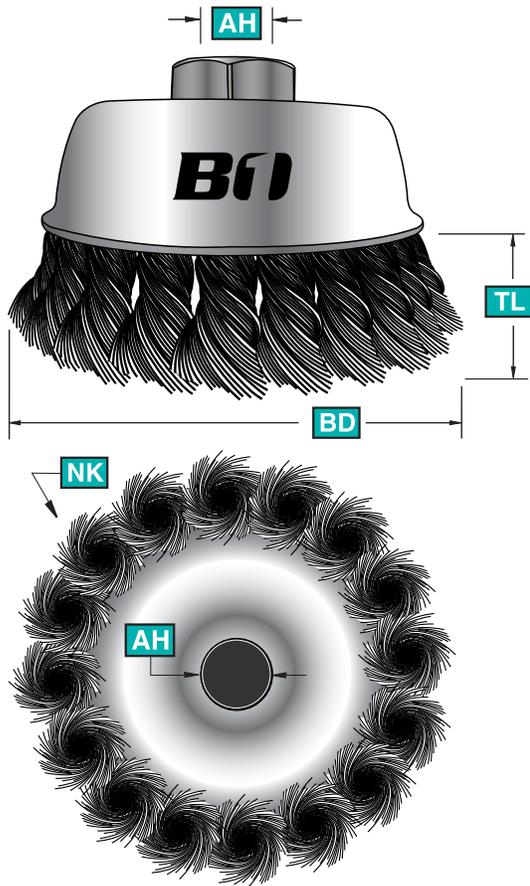
# Knotted Wire Cup Brushes

**BrushOne**

## Knotted Wire Cup Brushes

5/8-11 Thread Nut

Carbon Steel  
Stainless Steel  
Quality Import



Knotted Wire Cup Brush



Bottom View



Small Angle Grinder Adapters

Applications include tank and drum cleaning, weld scale removal, corrosion and rust removal and paint removal. The Cup Brush has application in polishing dies and cleaning castings for machining.

### Knotted Wire Cup Brushes

### Small Angle Grinder Adapters

EDP Number 5/8-11	Brush Dia. (BD)	Wire Dia. (WD)	Trim Length (TL)	# of Knots (NK)	Max RPM (RPM)
<b>Carbon Steel</b>					
B3100	2-3/4	.014	3/4	18	12500
B3101	2-3/4	.020	3/4	18	12500
B3102	4	.014	7/8	24	8500
B3103	4	.020	7/8	24	8500
B3104	6	.014	1	32	4500
B3105	6	.020	1	32	4500
<b>Stainless Steel</b>					
B3106	2-3/4	.014	3/4	18	12500
B3107	2-3/4	.020	3/4	18	12500

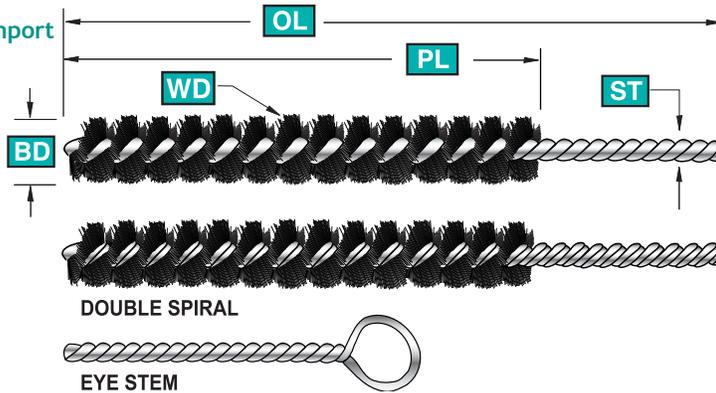
EDP Number Adapters	Size Range Grinder Adapters	Quantity Per Package
B3200	5/8-11 UNC to M10x1.25	5
B3201	5/8-11 UNC to M10x1.5	5
B3202	5/8-11 UNC to 3/8-24	5



# Twist-In-Wire Brushes



Carbon Steel  
Stainless Steel  
Nylon  
Quality Import



Twist-In-Wire Brushes Carbon Steel



Twist-In-Wire Brushes Carbon Steel

## Carbon Steel

## Stainless Steel

EDP Number C/S	Brush Number	Brush Dia. (BD)	Part Length (PL)	Wire Dia. (WD)	Overall Length (OL)	Stem Dia. (ST)
B0550	811-0125-1000	1/8	1	.003	6	.085e
B0551	811-0281-2000	9/32	2	.003	4	.115
B0600	811-0250-1500	1/4	1-1/2	.003	4	.085
B0552	812-1562-2500	1-9/16	2-1/2	.004	4-3/4	.240
B0553	812-1843-2500	1-27/32	2-1/2	.004	4-7/8	.240
B0608	812-0500-2000	1/2	2	.004	5	.162ds
B0556	812-1500-2500	1-1/2	2-1/2	.004	4-3/4	.245
B0557	813-1625-3000	1-5/8	3	.005	5	.245
B0558	813-1875-3000	1-7/8	3	.005	5	.240
B0560	813-0250-1500	1/4	1-1/2	.005	4	.095
B0605	813-0375-1500	3/8	1-1/2	.005	4	.125
B0561	813-0312-1500	5/16	1-1/2	.005	4	.125
B0609	814-0500-2000	1/2	2	.006	5	.162
B0524	814-1000-2500	1	2-1/2	.006	5-1/2	.225ds
B0611	816-0687-2000	11/16	2	.008	5	.208ds
B0564	816-0625-2000	5/8	2	.008	5	.208ds
B0519	817-0812-2500	13/16	2-1/2	.010	5-1/2	.235ds
B0517	817-0750-2500	3/4	2-1/2	.010	5-1/2	.237
B0525	817-1000-2500	1	2-1/2	.010	5-1/2	.237ds
B0554	812-1500-2500	1.450	2-1/2	.004	4-3/4	.240
B0555	812-0328-3000	21/64	3	.004	5	.125
B0559	813-0593-4000	19/32	4	.005	6	.195
B0562	814-0750-2500	3/4	2-1/2	.006	5-1/2	.237ds
B0565	817-0937-2500	15/16	2-1/2	.010	5-1/2	.237ds

EDP Number S/S	Brush Number	Brush Dia. (BD)	Part Length (PL)	Wire Dia. (WD)	Overall Length (OL)	Stem Dia. (ST)
B0580	823-0625-1000	5/8	1	.005	3-1/2	.175

## Nylon

EDP Number NYL	Brush Number	Brush Dia. (BD)	Part Length (PL)	Wire Dia. (WD)	Overall Length (OL)	Stem Dia. (ST)
B0590	858-1000-4500	1	4-1/2	.012	13	.150e
B0591	859-2000-3000	2	3	.014	5-1/2	.195

Stem Dia.: e = Eye, ds = Double Spiral  
C/S = Carbon Steel  
S/S = Stainless Steel  
NYL = Nylon

## Scratch Brushes

Plastic Handle, Single and Double Head

Stainless Steel

Brass

Nylon

Quality Import



3 x 7 Single Head, Plastic Handle  
Nylon, Stainless and Brass Fill Material



3 x 7 Double Head, Plastic Handle  
Nylon and Stainless Steel Fill Material



3 x 7 Double Head, Plastic Handle  
Nylon and Brass Fill Material

The Plastic Handled Scratch Brushes have 3 rows of bristles by 7 in length and a curved plastic handle with an easy grip design. Both single head style and double head style are used in cleaning applications. Stainless steel can be used in more aggressive applications, while the brass and nylon should be used on light cleaning jobs.

EDP Number Plastic	Bristle Row Config. (BC)	Fill Material (FM)	Head Style (HS)
B4000	3 x 7	Brass	Single
B4001	3 x 7	Stainless Steel	Single
B4002	3 x 7	Nylon	Single
B4010	3 x 7	Nylon/Brass	Double
B4011	3 x 7	Nylon/Stainless	Double



## Scratch Brushes

Wooden Handle, Single Head

Stainless Steel

Brass

Nylon

Quality Import



3 x 7 Single Head, Wood Handle  
Nylon, Stainless Steel and Brass Fill Material



2 x 9 Single Head, Wood Handle  
Stainless Steel Fill Material



2 x 9 Single Head, Wood Handle  
Brass Fill Material

Wooden Handled Scratch Brushes come in two different bristle configurations. We offer both the 3 row by 7 and also the 2 row by 9 configurations. Each style is useful in cleaning applications. We would recommend the stainless steel for more aggressive cleaning and the brass and nylon for lighter cleaning applications. Both styles have a curved head for easier use.

EDP Number Plastic	Bristle Row Config. (BC)	Fill Material (FM)	Head Style (HS)
B4100	3 x 7	Brass	Single
B4101	3 x 7	Stainless Steel	Single
B4102	3 x 7	Nylon	Single
B4110	2 x 9	Brass	Single
B4111	2 x 9	Stainless Steel	Single



Samples of Brushes Manufactured To  
Customer Print Specifications

Made In The USA



**Special Fountain Brushes**  
For Fluid Application Jobs



**Twisted-In-Wire Brush With Shank**  
Shank Mounted for Rotary Applications



**Reverse Pilot,  
Piloted Bonding Brush**  
Used in a "Pull Through" Application on Back  
Side of Plate/Material



**Extended Pilot, Piloted Bonding Brush**  
Extended Pilot Further Limits Movement  
in Material Removal Applications



**Controlled, Inverted Piloted  
Bonding Brush**  
For Cleaning Around an Extruding Pin



**Special Threaded Shank,  
Piloted Bonding Brush**  
Used in Threaded Chuck for Quick Change Tooling



**Side Action Brush**  
For Cleaning the Inner Walls of Cylinders and  
Internal Threads

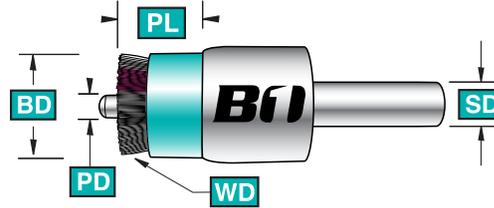


**Solid Shank, Acid Brush**  
For Acid Cleaning Applications where  
Greater Reach is Required

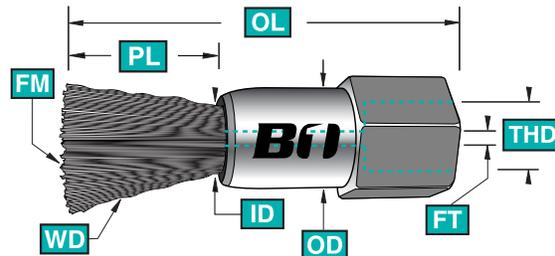
## Glossary Of Brush One Terminology Standard and Specialty Brushes

- BD** Brush Diameter
- PD** Pilot Diameter
- WD** Wire Diameter
- AH** Arbor Hole Diameter
- OD** Cup Size (Outside Diameter)
- ID** Cup Size (Inside Diameter)
- FT** Fountain Tube (Internal Diameter)
- PL** Part Length
- OL** Overall Length
- TL** Trim Length
- PiL** Pilot Length
- FW** Face Width
- FM** Fill Material
- KT** Knot Type
- NK** Number of Knots
- SS** Shank Style
- SD** Shank Diameter
- ST** Stem Diameter
- ADT** Adapter Style
- THD** Thread Type
- BC** Bristle Row Configuration

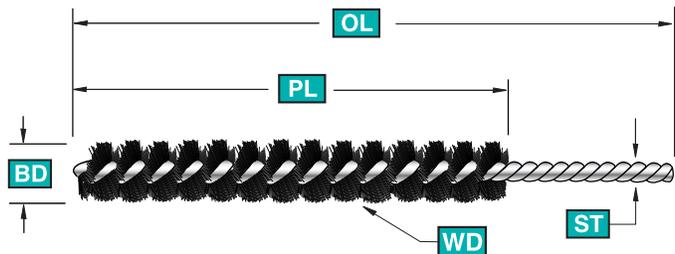
### Piloted Bonding Brush



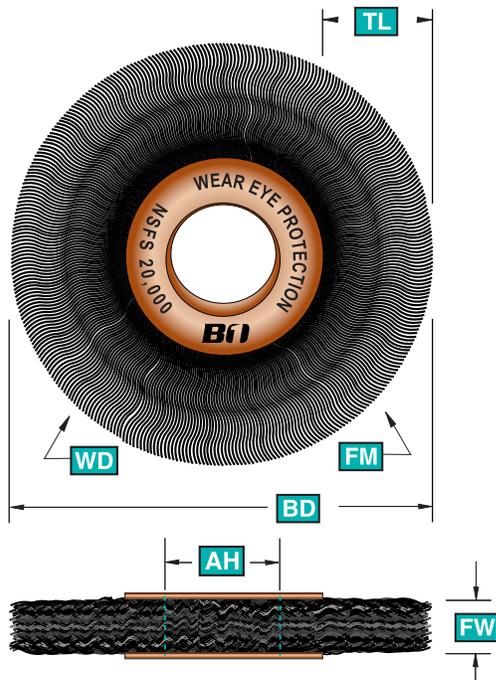
### Fountain Brush



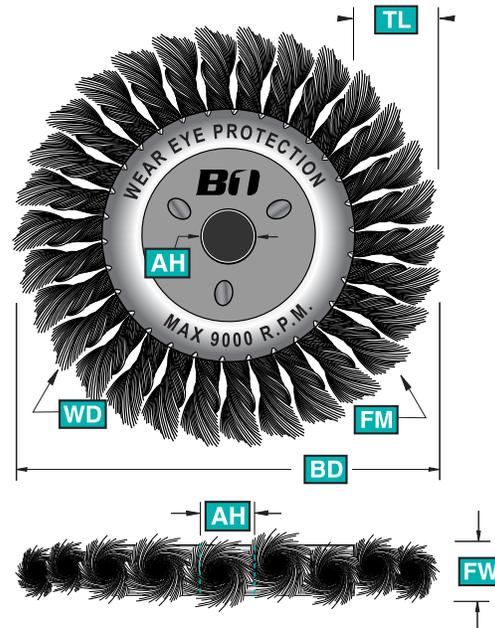
### Twist-in-Wire Brush



### Miniature Wheel Brush



### Knotted Wire Wheel Brush



## Conversion Table for Brush Speeds

Surface Speed in Feet per Minute (SFPM)									
Brush Diameter (Inches)									
RPM*	2	3	4	6	8	10	12	15	16
200	100	160	210	310	420	520	630	780	840
400	210	310	420	630	840	1040	1255	1570	1670
600	310	470	630	940	1250	1570	1885	2350	2510
800	420	630	840	1250	1670	2090	2515	3140	3350
1000	520	780	1045	1570	2090	2620	3140	3920	4190
1200	630	940	1255	1880	2510	3140	3770	4710	5020
1400	630	1100	1465	2200	2930	3660	4400	5500	5860
1600	840	1250	1675	2510	3350	4190	5020	6280	6700
1800	940	1410	1885	2820	3770	4710	5650	7070	7540
2000	1050	1570	2095	3140	4190	5230	6280	7860	8380
2200	1150	1730	2305	3450	4610	5760	6910	8640	9210
2400	1250	1800	2515	3770	5020	6280	7540	9420	10050
2600	1360	2040	2725	4080	5440	6800	8170	10210	10690
2800	1460	2200	2930	4400	5860	7330	8790	10990	11730
3000	1570	2350	3140	4710	6280	7850	9420	11780	12560
3200	1670	2510	3350	5020	6700	8380	10050	12560	13400
3400	1780	2670	3560	5340	7120	8900	10680	13350	14240
3600	1880	2820	3770	5650	7540	9420	11310	14130	15080
3800	1990	2980	3980	5970	7960	9950	11940	14920	15910
4000	2090	3140	4190	6280	8380	10470	12560	15710	16750
4400	2300	3450	4610	6910	9210	11520	13820	17280	18430
4800	2510	3770	5025	7540	10050	12560	15080	18850	20100
5200	2720	4080	5440	8170	10890	13610	16330	20420	21780
5600	2930	4400	5860	8790	11730	14660	17590	21990	23450
6000	3140	4710	6280	9420	12560	15710	18850	23560	25130
6500	3400	5100	6800	10210	13610	17010	20420	25520	27220
7000	3660	5500	7330	10990	14660	18320	21990	27500	29320
7500	3920	5890	7850	11780	15710	19630	23560	29450	31410
8000	4110	6200	8370	12500	16750	20940	25130	31410	-
8500	4450	6670	8900	13350	17800	22250	26700	-	-
9000	4710	7070	9420	14130	18850	23560	28270	-	-
9500	4970	7460	9950	14920	19890	24870	29840	-	-
10000	5230	7850	10470	15710	20940	26180	31410	-	-
11000	5750	8640	11520	17280	23040	28800	-	-	-
12000	6280	9420	12560	18850	25130	31410	-	-	-
13000	6800	10210	13610	20420	27720	-	-	-	-
14000	7330	10990	14660	21990	29320	-	-	-	-
15000	7850	11780	15710	23560	31410	-	-	-	-
16000	8370	12560	16750	25130	-	-	-	-	-
17000	8900	13350	17800	26700	-	-	-	-	-
18000	9420	14130	18850	28270	-	-	-	-	-
19000	9950	14920	19890	29840	-	-	-	-	-
20000	10470	15710	20940	31410	-	-	-	-	-

\*Revolutions per Minute(RPM) for various diameters of brushes to give surface speed in feet per minute as indicated.

The Speeds listed above are recommended speeds for the standard diameters listed. Never exceed the Maximum Safe Free Speed (MSFS) or RPM of the brush.

## Recommended Brushing Speeds

Performance is improved when the recommended operating speeds are used. Below is a recommended guide to improving brushing efficiency by application.

Application	Surface Feet Per Minute (SFPM)
Removing Burrs	5500 to 7500
Removing Scale	7500 to 10000
Cleaning Welds	7200 to 9400
Edge Blending	4700 to 7500
Cleaning (Dry)	4000 to 5500
Cleaning (Wet)	1900 to 4000
Surface Polishing	6400 to 8000
Surface Buffing	8000 to 10000

## Brush Trouble Shooting

There are many factors that impact effective brushing. If you are experiencing unsatisfactory results these suggestions may help.

Desired Result	Suggestions
<b>Faster Action</b>	Use Larger Diameter Brush Run Brush Faster Use Heavier Fill Material Use Shorter Trim Length Use Wider Face Width
<b>Finer Finish</b>	Use Thinner Fill Material Try Longer Fill Material Run Brush Faster
<b>Rough or Course Finish</b>	Reduce Brush Speed Use Shorter Fill Material Use Thinner Fill Material
<b>Removing Burr</b>	Run Brush Faster Use Shorter Trim Length Use Heavier Fill Material Adjust Brushing Pressure
<b>Improved Brush Life</b>	Use Thinner Fill Material Reduce Pressure on Brush Use Wider Face Width

## Horsepower Guide

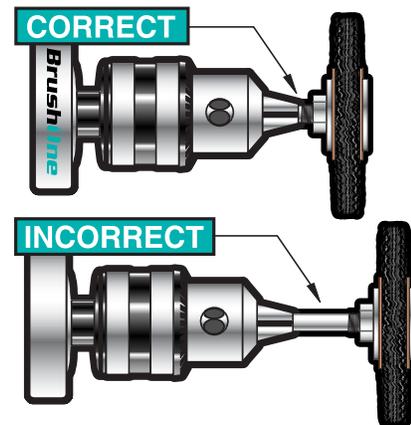
Several factors affect the horsepower required to drive an industrial power brush for each given application: First, the brush pressure required to perform the job. Second, the resistance that exists between the brush and the workpiece and third, the speed of the brush itself.

Below is a recommended guide for the horsepower requirements for light to medium surface preparation.

Brush Diameter (BD)	Recommended Motor Size	RPM
4	1/4 H.P.	3450
6	1/2 H.P.	3450
8	3/4 H.P.	3450
10	1 H.P.	1750
12	1 H.P.	1750

## Minimum Shaft Diameter For Wheel Brushes

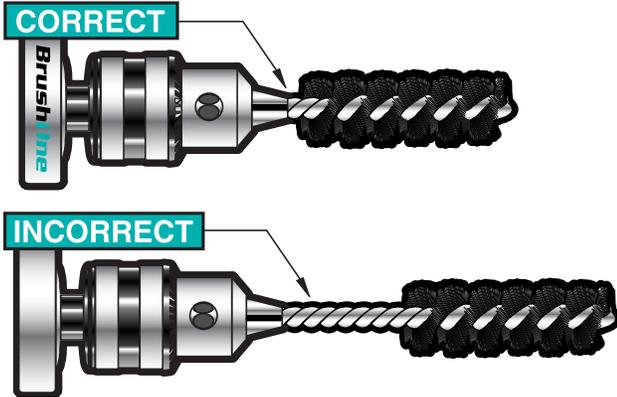
It is important that the wheel brush is mounted properly. The shank/shaft should be held next to the supported end minimizing overhang of the shank. See illustration below.



Brush Diameter (BD)	Face Width (FW)	Shank Diameter (SD)
2	1/4	1/4
3	3/4	1/4
4	1	3/8
6	1-1/4	1/2
8	1-1/4	5/8
10	2	3/4
12	3	1
14	3	1-1/4
15	3	2

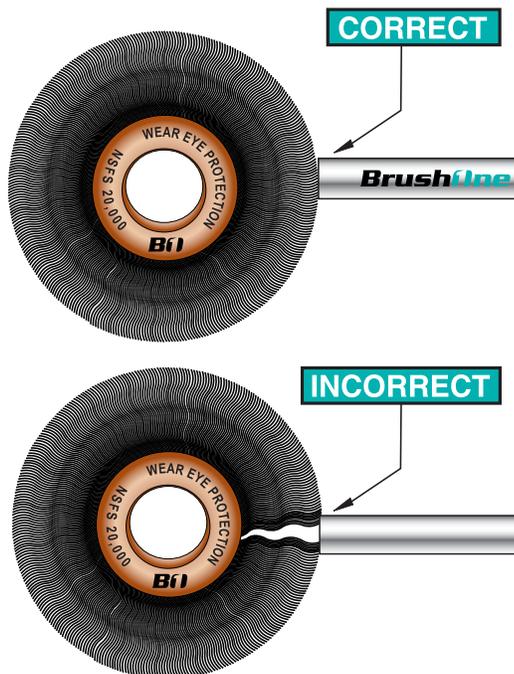
## Recommendations for Using Tube Brushes

Stems on Tube Brushes are not as strong as shanks on Piloted Bonding Brushes or other single construction shanks. It is important to run Tube Brushes at speeds below 2000 RPM and limit the overhang. Excessive overhang when fixtured could lead to bending of the brush. See illustration for better fixturing.



## Applied Pressure While Wheel Brushing

Properly applying pressure to the brush while brushing is critical to performance. The brush life and the quality of the job are impacted when too much pressure is applied. It is important to run the power brush at the highest speed recommended and limit the pressure that is used on the workpiece. The wire fill material will do the work. Excessive pressure will breakdown the brush sooner and provide less than satisfactory results. Below is an illustration of proper pressure and too much pressure.



## Brush One Fill Materials

**Carbon Steel Fill:** This material provides good wear characteristics and typically is used for aggressive surface preparation.

**Stainless Steel (302):** This premium grade of Stainless Steel is highly resistant to corrosion and high temperatures. It is recommended for stainless steel, aluminum and non-ferrous metals. It works well with chemicals and solvents and has a high resistance to wear. It has excellent spring characteristics and high levels of abrasion.

**Brass:** This is a soft flexible, non-corrosion filament that provides a high degree of abrasion without damaging the work surface. Great to use on metal equipment that is heavily soiled but cannot sustain heavy scratches or aggressive brushing.

**Nylon:** Superior long-lasting nylon can be used for both wet and dry applications. It is resistant to most acids and alkalines. Due to low water absorptions, it is also a great fill material for cleaning applications.

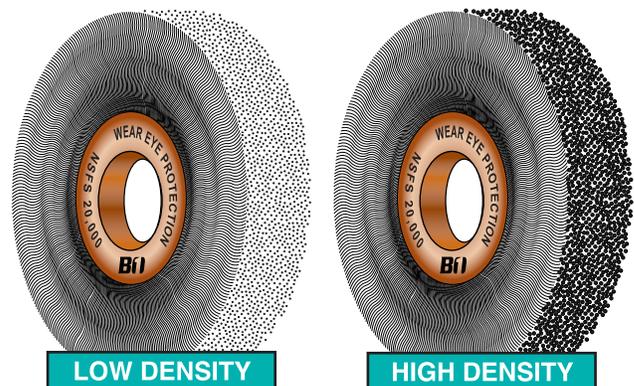
**Horse Hair:** This fill material works well for flux removal, flow through gluing applications and general clean up. It is also non-conductive.

**Tynex:** Tynex 612 Nylon filaments are not affected by chlorinated, petroleum hydrocarbons, ester solvents, or detergents. It is also resistant to attacks by rodents and fungi. This feature allows for safe storage and shelf life.

**Silicon Impregnated Nylon:** This material works well on ferrous materials due to its ability, as it breaks down, to continue to expose new aggregate on its brushing edge.

## Density of Fill Material

The density of a brush is referring to the number of filament ends per given area of the brush face. The illustration below shows a wheel brush with low density on the left and one with high density on the right.



Allows the user greater flexibility for surface preparation. Good for varied and irregular surfaces.

High density brushes tend to have better wear characteristics and typically give a better surface finish to the workpiece.

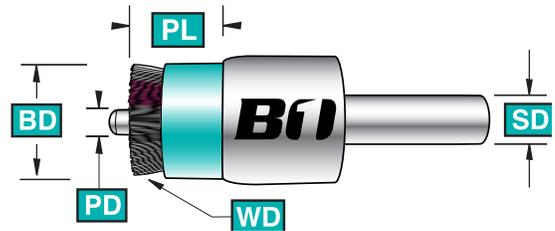
## Wire Diameter of Fill Material

Brush One provides many different diameters of fill materials. Shown below is the front view of piloted bonding brushes and the different wire diameters that we provide in stainless steel. The varied diameters allow for the unique fit to your brushing application. Larger sized wire diameters are typically used for more aggressive surface preparations.



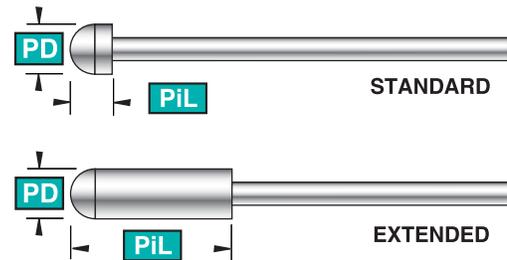
## Part Length (Trim Length)

The Piloted Bonding Brush trim length is the portion of the wire fill material that extends beyond the cup. A portion of that trim length is supported and held rigid by the bridle that is shown below.



## Precision Pilots

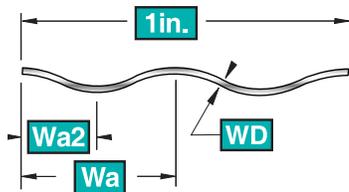
Brush One pilots are precision ground to the tightest tolerances to ensure proper fit and performance. We can provide many different sizes and lengths to meet your needs.



## Wire Form

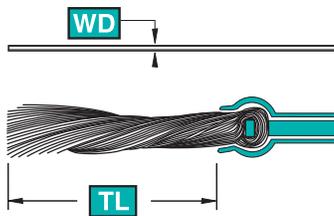
### Crimped Wire

The illustration below shows a single pane crimped filament. Dual pane filaments are most commonly used but we will use this type to outline our terminology.



### Straight Wire

Used in Knotted Wire End Brushes, Knotted Wire Wheel Brushes and Knotted Wire Cup Brushes. The Twisted Knot style provides for aggressive surface preparations.



The illustration above shows a single wire and also a single twisted knot. A Standard Twist is shown, but straight wire is also used with Cable Twist and the Stringer Bead Twist. The Standard Twist is slightly flaired at the end which allows it to be a little more flexible on irregular applications.



The illustration above shows the face of a Twisted-In-Wire Wheel Brush. This style brush works aggressively on many standard and irregular surfaces.

## New Bridle Material

In 2006, Brush One began the search to find a new bridle material with better wear characteristics than the material we had been using for over 20 years. We finally found that new material this year and are pleased to now offer it on our Piloted Bonding Brush line. See sample below.



## Exhaust Recommendations

The operator of power brushes should determine for proper exhaust requirements. Below is a guide for dry brushing and the recommended minimum exhaust volume that should be used according to OSHA Safety Code 1910.94, Section 2.

Brush Diameter (Inches)	Minimum Width (Inches)	Exhaust Volume (ft <sup>3</sup> /min.)
Up to 9	2	300
9-16	3	500

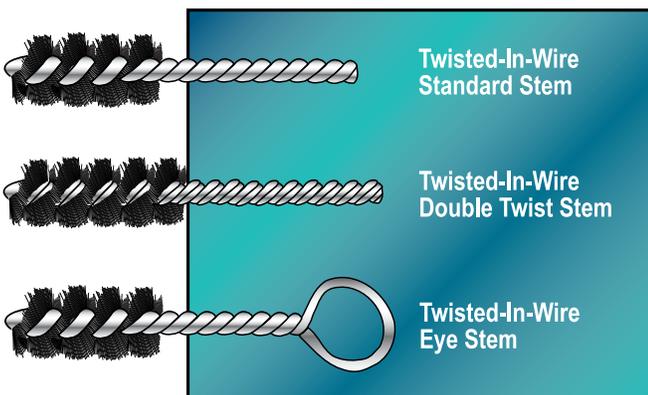
## Shank Styles For Piloted Bonding Brushes

Below is an illustration of the shank styles that are available for the Piloted Bonding Brushes. The first four styles are available as standard products. The last two are a proprietary style for an airframe manufacturer.



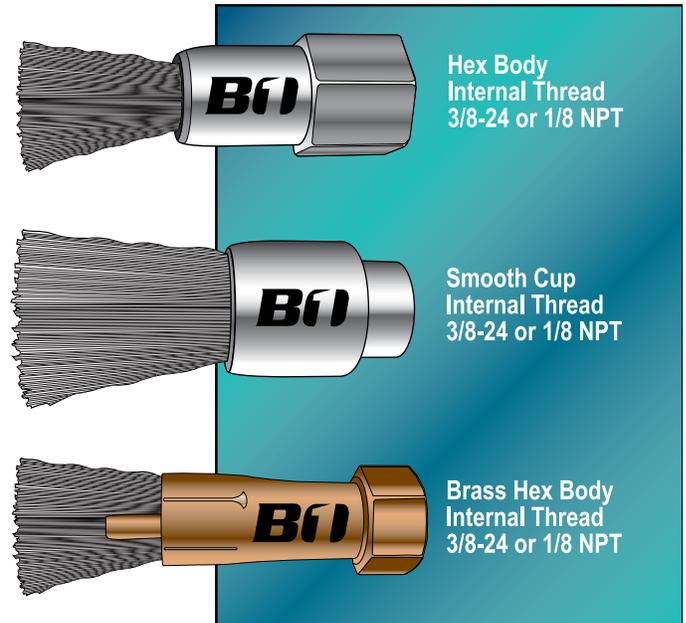
## Shank Styles For Twisted-In-Wire Brushes

Below is an illustration of the shank styles that are available for the Twisted-In-Wire Brushes.



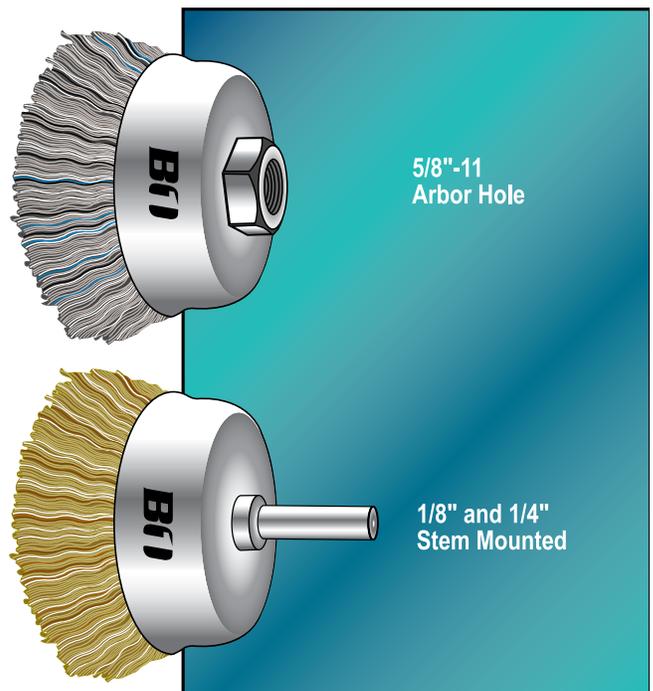
## Shank Styles For Fountain Brushes

Below is an illustration of the shank styles that are available for the Flow Through and Fountain Brushes.



## Shank Styles For Cup Brushes

Below is an illustration of the shank styles that are available for the Crimped Wire Cup Brushes.



## Our Numbering System

When ordering: write the appropriate code number in the appropriate space.  
 (To determine the appropriate code numbers - see the chart below).

<b>BR-</b>	Brush Style	Fill Material Type	Fill Material Diameter	Brush Diameter for Fountain All End Type, Piloted Bonding and Twist-In-Wire Brushes Arbor Hole Size for Wheel Brushes	Length of Trim for Fountain Brushes and all End Type Brushes Pilot Diameter for Piloted Bonding Brushes Brush Diameter for Wheel Brushes Brush Part Length for Twist-In-Wire Brushes
	↓	↓	↓	↓	---
Code Number					
1	Fountain Brushes*	ITC Steel	.003	1/4	
2		Stainless (302)	.004	3/8	
3	Miniature Wheel Brushes	Nickel Silver	.005	1/2	
4	Solid Fill End Brushes	Brass	.006	5/8	
5		Nylon	.007	3/4	
6	Piloted Bonding Brushes	Horse Hair	.008	7/8	
7		Tynex A**	.010	1	
8	Twist-In-Wire Brushes	Surfex***	.012	1-1/4	
9			.014	1-1/2	
0	Special Brushes		Special	Special	

- \* Please Include Thread Size
- \*\* DuPont Reg. US Patent & TM OFF
- \*\*\* .040 Nylon With 80 Grit Silicon Carbide.

For Example: **BR-6233-0125**  
 PILOT BONDING BRUSH with .005 stainless steel fill material  
 1/2" diameter brush, 1/8" diameter pilot.

## Special Brush Quotations at [www.brushone.com](http://www.brushone.com)

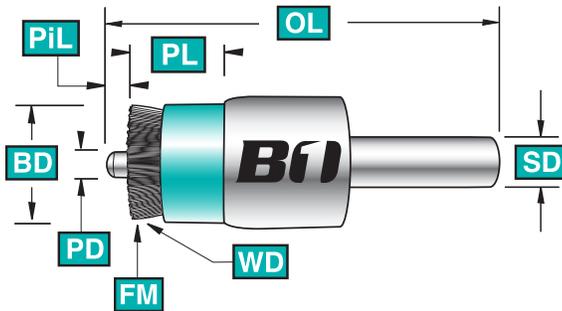
Below is an illustration of one of the online phantom prints that are available to simplify your special brush quotation requests. Just fill in the specifications and submit to our staff electronically!

### Step 2: Specifications

#### Piloted Bonding Brush

- FM** Fill Material
- WD** Wire Diameter
- BD** Brush Diameter
- PL** Part Length
- OL** Overall Length
- PD** Pilot Diameter
- PiL** Pilot Length
- SS** Shank Style
- SD** Shank Diameter
- THD** Thread Type

### Piloted Bonding Brush



All Dimensions and Tolerances Not Shown to be Manufacturing Standards

**FM** Fill Material:

**PD** Pilot Diameter:

**WD** Wire Diameter:

**PiL** Pilot Length:

Unit Of Measure:  
 Inches  
 Millimeters

**SS** Shank Style:

**BD** Brush Diameter:

Quantity

**PL** Part Length:

Additional Considerations:

**OL** Overall Length:

Delivery Required:





BRUSH

**Brushline**  
AIRCRAFT QUALITY BRUSHES

SALES AND ADMINISTRATION

P.O. Box 97 | 125 Gearhart Street | Millersburg, PA 17061  
717-692-2128 | 800-441-2751 (USA) | 717-692-2120 (FAX)  
[www.brushone.com](http://www.brushone.com) | [sales@brushone.com](mailto:sales@brushone.com)