

## Aluminum Handle Hand-Laced Brushes

Aluminum handle “toothbrush-style” scratch brush with 1, 2, or 3 rows of bristles, hand-tied into the handle for maximum bristle retention.



### Hand-Laced Brushes

Hand-laced brushes are the premium brushes of the industry. Each fiber tuft is tied into position by hand, resulting in a superior quality brush with heavy density and maximum fiber retention.

Part #	Fill Material	Trim	Rows	Handle (L x W)	Brush Face (L x W)
● 11BA	.003 Brass	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
● 22BA	.003 Brass	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
● 33BA	.003 Brass	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
◆ 22GA	.006 Goat hair	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
◆ 11CKA	Hog bristle	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
◆ 22CKA	Hog bristle	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
◆ 33CKA	Hog bristle	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
◆ 11HHA	Horse hair	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
◆ 22HHA	Horse hair	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
◆ 33HHA	Horse hair	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
11NA	.012 Nylon	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
22NA	.012 Nylon	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
33NA	.012 Nylon	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
11PA	.006 PEEK	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
22PA	.006 PEEK	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
33PA	.006 PEEK	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
▲ 11SDA	.016 S.D. Nylon*	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
▲ 22SDA	.016 S.D. Nylon*	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
▲ 33SDA	.016 S.D. Nylon*	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
● 11SSA	.003 Stainless steel	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
● 22SSA	.003 Stainless steel	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
● 33SSA	.003 Stainless steel	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
▲ 11S9A	.010 S.D. Nylon*	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
▲ 22S9A	.010 S.D. Nylon*	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
▲ 33S9A	.010 S.D. Nylon*	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
● 11TA	Thunderon®	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 3/16"
● 33TA	Thunderon®	7/16"	2 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"
● 11TIA	.008 Titanium	7/16"	1 x 11	6-7/16" x 1/8"	1-1/8" x 1/8"
● 22TIA	.008 Titanium	7/16"	2 x 11	6-7/16" x 1/4"	1-1/4" x 1/4"
● 33TIA	.008 Titanium	7/16"	3 x 11	6-7/16" x 3/8"	1-1/4" x 5/16"

### Dense stiff tufts for applications requiring firm action:

● 11AL316SS	.006 Stainless steel	7/16"	1 x 11	6-7/16" x 1/8"	1-1/2" x 3/16"
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\*Static Dissipative Nylon

## Acetal Handle Hand-Laced Brushes

1, 2, or 3 rows hand-tied into an acetal or static dissipative acetal handle. Autoclavable for cleanroom or sterile applications. Meets FDA 21 CFR-177, 2480 and ASTM D-6100 standards.



Part #	Fill Material	Trim	Rows	Handle (L x W)	Brush Face (L x W)
11ND	.012 Nylon	7/16"	1 x 11	6-1/4" x 3/16"	1-1/8" x 1/8"
22ND	.012 Nylon	7/16"	2 x 11	6-1/4" x 5/16"	1-1/4" x 1/4"
33ND	.012 Nylon	7/16"	3 x 11	6-1/4" x 3/8"	1-1/4" x 5/16"
11ND-003	.003 Nylon	7/16"	1 x 11	6-1/4" x 3/16"	1-1/8" x 1/8"
22ND-003	.003 Nylon	7/16"	2 x 11	6-1/4" x 5/16"	1-1/4" x 1/4"
33ND-003	.003 Nylon	7/16"	3 x 11	6-1/4" x 3/8"	1-1/4" x 5/16"
11SSD	.003 Stainless steel	7/16"	1 x 11	6-1/4" x 3/16"	1-1/8" x 1/8"
22SSD	.003 Stainless steel	7/16"	2 x 11	6-1/4" x 5/16"	1-1/4" x 1/4"
33SSD	.003 Stainless steel	7/16"	3 x 11	6-1/4" x 3/8"	1-1/4" x 5/16"
▲ 11S9X*	.010 S. D. Nylon*	7/16"	1 x 11	6-1/4" x 3/16"	1-1/8" x 1/8"
▲ 22S9X*	.010 S. D. Nylon*	7/16"	2 x 11	6-1/4" x 5/16"	1-1/4" x 1/4"
▲ 33S9X*	.010 S. D. Nylon*	7/16"	3 x 11	6-1/4" x 3/8"	1-1/4" x 5/16"
▲ 11SDX*	.016 S. D. Nylon*	7/16"	1 x 11	6-1/4" x 3/16"	1-1/8" x 1/8"
▲ 22SDX*	.016 S. D. Nylon*	7/16"	2 x 11	6-1/4" x 5/16"	1-1/4" x 1/4"
▲ 33SDX*	.016 S. D. Nylon*	7/16"	3 x 11	6-1/4" x 3/8"	1-1/4" x 5/16"
11TID	.008 Titanium	7/16"	1 x 11	6-1/4" x 3/16"	1-1/8" x 1/8"
22TID	.008 Titanium	7/16"	2 x 11	6-1/4" x 5/16"	1-1/4" x 1/4"
33TID	.008 Titanium	7/16"	3 x 11	6-1/4" x 3/8"	1-1/4" x 5/16"

\* Static Dissipative Acetal Handle and Static Dissipative Nylon