

# From Polyester To Steel, There's A Specialty Fastener For Your Most Challenging Environments.

## *SPECIALTY TAPES*

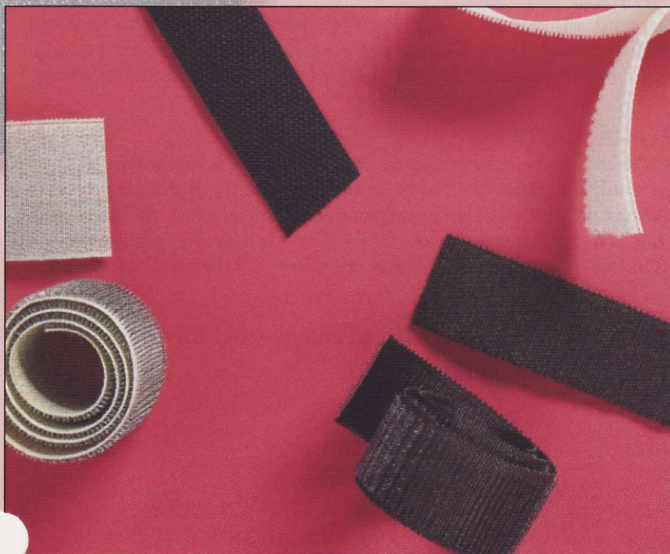
### From Velcro USA Inc.

The Velcro companies offer an extensive selection of hook and loop fasteners designed and engineered for various temperature ranges, environmental, or regulatory-driven specialty applications.

In addition to an extensive product selection, customers benefit from the engineering and applications expertise offered by the worldwide leader in hook and loop fastener technology.

#### FEATURES INCLUDE

- Chemical-resistance
- UV light-resistance
- Humidity- & moisture-resistance
- Heat-resistance
- Corrosion-resistance
- Flame-retardant
- Extreme high shear strength



#### VELCRO® BRAND WOVEN POLYESTER FASTENERS

VELCRO® brand woven polyester touch fastener tapes are precision woven of 100% polyester yarn, and are designed for use where resistance to many chemicals or ultraviolet light may be required. The polyester closure will still provide good holding strength when exposed to a high humidity environment or submerged in water for extended periods. It is also available in a FIRE RETARDANT version.

When compared with our woven nylon fastener tapes, polyester fasteners offer the same "holding" strength, measured in terms of shear, tension and peel resistance. Factory applied adhesive pre-coats are available.

#### HI-AIR® BRAND WOVEN FASTENING TAPES


HI-AIR® brand fire retardant woven hook and loop tapes are made of NOMEX® yarns to meet or exceed existing F.A.A. requirements. The unnaped loop tape is woven with 100% NOMEX® yarns. The hook tape is woven with NOMEX® grounds and 6.5 mil nylon monofilament hook. HI-AIR® tapes are available in natural and camouflage green.

#### VEL-LOC® BRAND QUADRALOBAL (87-S) MUSHROOM HOOK

VEL-LOC® brand hook offers extremely high shear strength for use in applications where repeated cycling is not expected. This hook is woven with a nylon ground yarn and polypropylene stalks and heads.

#### HI-GARDE® BRAND WOVEN FASTENERS

HI-GARDE® brand fasteners, usable to 800°F, are constructed with 300 series stainless steel. This high temperature corrosion-resistant hook and loop closure may be attached by sewing, adhesive bonding, or spot welding. Additional information is available upon request.

Specialty Tapes From Velcro USA Inc.	VEL-LOC® BRAND			HI-GARDE® BRAND	HI-AIR® BRAND	VELCRO® BRAND POLYESTER
VELCRO® BRAND Product Classification	QUADRALOBAL MUSHROOM HOOK FASTENER (87-S) (polypropylene heads)			Loop 8000 Hook 46  Made of non-corrosive metal	Loop 3000 Hook 66  Loop: 100% NOMEX® Hook: NOMEX® grounds with nylon hook	Loop 9000 Hook 81  100% POLYESTER
Features	<ul style="list-style-type: none"> <li>• Meets very high strength requirements with low or no cycle usage</li> <li>• No selvedge on either side</li> </ul>			<ul style="list-style-type: none"> <li>• Woven with selvedge on each side</li> <li>• Unnapped loop</li> <li>• Heat-resistant to 800°F and corrosive chemicals</li> </ul>	<ul style="list-style-type: none"> <li>• Woven with selvedge on each side</li> <li>• Unnapped loop</li> <li>• Meets specifications F.A.R. 25.853 AA55126</li> </ul>	<ul style="list-style-type: none"> <li>• Resistance towards water, many chemicals and ultraviolet rays</li> <li>• Meets specifications F.A.R. 25.853 AA55126</li> </ul>
Available Loop Style	Loop 1000 (woven)	Loop 3610 (knitted)	Loop 3905 (knitted)	Loop 8000 Woven non-corrosive metal Unnapped finish	Loop 3000 Woven NOMEX® Unnapped finish	Loop 9000 1" & 2" Unnapped 5/8", 3/4", 1 1/2", & 4" Napped PSA - Napped
Cycle Life: Low/Medium/High	Low	Low	Low	Low	Medium	Medium
 Shear Strength Lengthwise P.S.I.	80.0 (min.)	50.0 (min.)	8.0 (min.)	15.0 (min.)	7.5 (min.)	8.0
 Tension or Latching P.S.I.	18.0 (min)	14.0 (min)	10.0 (min)	N/A	3.0 (min.)	7.5
 Peel Strength P.I.W.	3.0 (min.)	1.5 (min.)	0.2 (min.)	0.2 (min.)	0.5 (min.)	0.5
Temperature Range Based Upon 1000 Hours of Exposure	-40°F to 200°F (-40°C to 93.3°C) (for all loops)			-40°F to 800°F (-40°C to 426.7°C)	-70°F to 350°F (-56.7°C to 176.7°C)	-70°F to 200°F (-56.7°C to 93.3°C)
Standard Widths	1" and 2" – other widths available upon request			1" and 2" – other widths available upon request	1" and 2" – other widths available upon request	1" and 2" – other widths available upon request
Available Colors	White, Black			Steel Gray	Natural, Camouflage Green	White, Black, Military Colors

#### MILITARY SPECIFICATIONS

A U.S. Military specification concerning VELCRO® brand fastening tapes has been issued. Please refer to AA55126 (in the latest government revision) titled "Fastening Tape, Hook and Loop Synthetic." VELCRO® brand tapes have been approved by the Defense Logistics Agency for the "Acceptable" Suppliers List (ASL #Ct-C-29). When military specification tapes are required, contact Velcro USA Inc. directly for the latest revisions and availability.

#### IMPORTANT NOTICE TO PURCHASER

All statements, technical advice and recommendations contained herein are based on tests believed to be reliable, but the accuracy thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied: Seller's and manufacturer's only obligation shall be to replace the quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

FOR SALES AND TECHNICAL INFORMATION, PLEASE CONTACT OUR MANCHESTER, NH SALES HEADQUARTERS AT (800) 225-0180 (press option 5).

SALES OFFICES AND DISTRIBUTION CENTERS WORLDWIDE



**Demand Quality.**

Velcro USA Inc.  
406 Brown Avenue  
Manchester, NH 03103  
Telephone: (603) 669-4892  
Facsimile: (603) 669-9271  
Email: marketing@velcro.com

Velcro Canada Inc.  
114 East Drive  
Brampton, ONT, L6T 1C1, Canada  
Telephone: (905) 791-1630  
Facsimile: (905) 791-5329  
E-Mail: canada@velcro.com

www.velcro.com

Velcro USA Inc. and Velcro Canada Inc. are ISO/TS16949:2002 registered companies.

VELCRO®, HI-GARDE®, HI-AIR®, VEL-LOC® and VELCRO with the FLYING-V® (DESIGN) are registered trademarks of Velcro Industries B.V. NOMEX® - DuPont registered trademark for its high temperature Aramid fiber. ©Velcro Industries B.V. Printed in USA. 7/06