



VELCRO® Brand

Sew-On



VELCRO® Brand

SEW-ON / HOOK & LOOP



SEW-ON

Slitting (lengthwise cut): Due to the general weave construction of VELCRO® Brand hook and loop tapes, the possibility of fraying can occur if the tapes are slit or cut in a lengthwise direction. It is for that reason that the tapes are woven with a 2mm selvage along both edges. VELCRO® Brand fasteners are not limited by directional forces. While there are differences, you can generally use them in any alignment. VELCRO® Brand hook tape is the most durable part of the fastening closure and consequently “harsher” to the touch. The loop, or soft, part of the closure should be facing more delicate or sensitive areas such as human skin or textured fabrics. Standard fastening application requires stitching along all four edges of each tape component, forming a “box” stitch (Fig. 1). We strongly advise against sewing along two edges without completing the box stitch. Where extra strength may be needed, you may need to secure the tape with a cross stitch (Fig. 2), or by stitching additionally straight down the middle of the tape (Fig. 3). Nipping the corners of the tape enhances its appearance and eliminates sharp points.

VELCRO® Brand

Sew-On/Hook 88

- **Base material:** Nylon Construction
- **Standard Colours:** Black, White, Beige, Light Grey, Slate Grey, Brown, Olive Green, Coachman Green, Yellow, Navy, Royal Blue, Red, Pinkglow, Greenglow, Yellowglow, Orangeglow
- **Standard Widths mm:** 16, 20, 25, 38, 50, 100
- **Standard Length:** 25 metres
- **Standard Mating Component:** Loop 1000
- **Cycle Life:** High
- **Custom Cutting:** Available

Main application: Clothing alterations, school bags, uniforms, wallets, curtains, shoes.



VELCRO® Brand

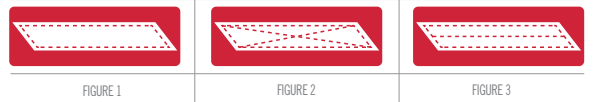
Sew-On/Loop 1000

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GENERAL SEWING INSTRUCTIONS

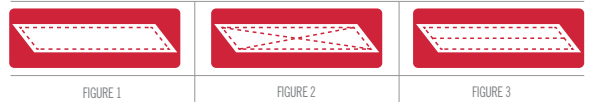


HOOK 88 AND LOOP 1000 CLOSURE PERFORMANCE

CYCLE LIFE AVERAGE	SHEAR STRENGTH LENGTH WISE. <i>psi average</i>	SHEAR STRENGTH WIDTH WISE. <i>psi average</i>	CURVED SHEAR ON 11.5cm* RADIUS <i>psi average</i>	TENSION OR LATCHING EFFECT <i>psi average</i>	PEEL STRENGTH LENGTH WISE. <i>piw average</i>
0.8 piw left after 1000 cycles	0.98 kg/cm ² 20 psi	0.74 kg/cm ² 10.5 psi	1.97 kg/cm ² 28.0 psi	0.46 kg/cm ² 6.5 psi	0.54 kg/25mm WIDTH 1.6 piw



GENERAL SEWING INSTRUCTIONS



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VELCRO® Brand

SEW-ON LOOP 2000 / ULTRA SOFT AND UN-NAPPED LOOP



LOOP 2000:

Loop 2000 can be sewn onto any fabric by hand or machine. Use with HTH Hook for a secure closure every time. HTH Hook is a low-profile, low-linting hook with superior grip, making it ideal for use with Loop 2000. Both are washable and reusable for outstanding performance from a great team

FOR BEST RESULTS: Slitting (lengthwise cut): Due to the general weave construction of VELCRO® Brand hook and loop tapes, the possibility of fraying can occur if the tapes are slit or cut in a lengthwise direction. It is for that reason that the tapes are woven with a 2mm selvage along both edges. VELCRO® Brand fasteners are not limited by directional forces.

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VELCRO® Brand

Sew-On/Loop 2000

- **Base material:** Un-Napped loop surface
- **Standard Colours:** Black & White
- **Standard Widths (mm):** 25, 50
- **Standard lengths:** 25 metre rolls
- **Suggested mating component:** HTH Hook
- **Cycle Life:** High
- **Custom Cutting:** Available

Main applications: Apparel, blood pressure cuffs, transportation interiors, mop heads, other applications requiring low shrinkage Strap & body support, Cushioning and Padding

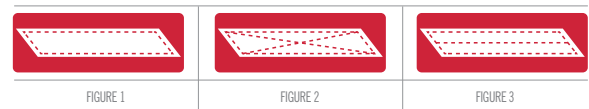


HOOK 88 LOOP CLOSURE PERFORMANCE

CYCLE LIFE AVERAGE	SHEAR STRENGTH LENGTH WISE psi average	SHEAR STRENGTH WIDTH WISE psi average	CURVED SHEAR ON 4 1/2" RADIUS psi average	TENSION OR LATCHING EFFECT psi average	PEEL STRENGTH LENGTH WISE p/w average
HOOK 88: HIGH	HOOK 88: 8.5psi 0.60kg/cm ²	HOOK 88: 7.0psi 0.49kg/cm ²	HOOK 88: 17.0psi 1.19kg/cm ²	HOOK 88: 8.5psi 0.60kg/cm ²	HOOK 88: 0.35p/w 0.16kg/25mm WIDTH
HTH 705: HIGH	HTH 705: 26psi 1.82kg/cm ²	HTH 705: NAH	TH 705: NA	HTH 705: 13psi 0.91kg/cm ²	HTH 705: 0.6p/w 0.27kg/25mm WIDTH



GENERAL SEWING INSTRUCTIONS



VELCRO® Brand

SEW-ON HTH HOOK / HIGH STRENGTH- LOW LINT HOOK



ULTRA-MATE® Brand HTH HOOK

ULTRA-MATE® Brand HTH fasteners offer performance properties never before available with ordinary hook and loop fasteners. They are moulded hook fasteners engineered to provide superior closure with a variety of loops, and to meet specific performance characteristics in conjunction with a range of polymers, each of which provides its own distinctive features. As such, each HTH hook style differs from each other. Each has its own specific characteristics and advantages to better meet your specific fastening requirements.

Benefits

- Molded plastic hook is available in a range of resins (nylon, polyester, vinyl, polyethylene, polypropylene) to suit your particular application.
- Molded hook shapes are engineered for superior performance with VELCRO® Brand woven and knit loops.
- Most VELCRO® Brand HTH products are available wide and can also be converted into die-cut shapes and cut or scored pieces.
- Variety of backings available including sewable scrims, weldable and heat sealable coatings, and pressure sensitive adhesives

VELCRO® Brand

Hook 705

- **Base material:** Nylon/Without backing
- **Standard colours:** Black and White
- **Standard widths (mm):** 25, 50
- **Adhesive Backing:** Sew on and adhesive 0119
- **Standard lengths: Hook 705 Sew On:** 45.6 metres, 705 Adhesive: 22.8 metres
- **Suggested mating component:** Loop 1000
- **Melting Point:** 173°C
- **Cycle Life:** High

Main Applications: Outerwear (jackets, ski pants), Footwear, signage, straps



VELCRO® Brand

Hook 711

- **Base material:** Polyethylene / Without backing
- **Standard colours:** Black and White
- **Standard widths (mm):** 25, 50
- **Adhesive Backing:** Sew on and adhesive 0119
- **Standard lengths: Hook 711 Sew On:** 45.6 metres, 711 Adhesive: 22.8 metres
- **Suggested mating component:** Loop 1000
- **Melting Point:** 173°C
- **Cycle Life:** High

Main Applications: Surgical gowns, sterilizable and disposable goods



VELCRO® Brand
Hook 805

- **Base material:** Nylon / Without backing
- **Standard colours:** Black
- **Standard widths (mm):** 305mm
- **Standard lengths:** 91.44 metres
- **Suggested mating component:** Loop 1000
- **Melting Point:** 173°C
- **Cycle Life:** High / Medium



Main Applications: Outerwear (ski pants), gators, bracing



VELCRO® Brand
Hook 845

- **Base material:** Nylon / Without backing
- **Standard colours:** Black
- **Standard widths (mm):** 305mm
- **Standard lengths:** 182.88 metres
- **Suggested mating component:** Loop 1000
- **Melting Point:** 173°C
- **Cycle Life:** High / Medium



Main Applications: Outerwear, polishing discs, headgear, orthopedic braces, helmets, moulding, fabricated straps. Other applications requiring high sewing resistance, high frequency weldability, high cycle life closure.



VELCRO® Brand

SEW-ON / FIRE RETARDANT



Flame retardant sew-on hook and loop

A fastening system specifically developed for industries where protection against fire is paramount. FLAME RETARDANT HOOK AND LOOP FASTENERS CAN BE MANUFACTURED TO COMPLY WITH Federal Aviation Regulations Part 25.853(A) Mil-Spec. AA55126 Rev B, Motor Vehicle Safety Standard FMVSS 302 AMTRAK Spec. No. GEN-S-014-001, A certificate of analysis is available upon request with each order.

VELCRO® Brand

Fire Retardant/Hook 88

- **Base material:** Nylon
- **Standard colours:** Black, White, Beige, Olive Green, Navy
- **Standard widths (mm):** Black 20,25,50. White 25. Beige 20,25,50. Olive Green 25,50,100. Navy 20,25,50.
- **Standard length:** 25 metre
- **Suggested matting component:** Loop 1000
- **Cycle life:** High
- **Custom Cutting:** Available

Main Applications: Aircraft and automotive upholstery Train seats Safety clothing Defence forces Combat clothing Airforce flying suits Firemen's turnout coats



HOOK 88 AND LOOP 1000 CLOSURE PERFORMANCE

CYCLE LIFE AVERAGE	SHEAR STRENGTH LENGTH WISE. <i>psi average</i>	SHEAR STRENGTH WIDTH WISE. <i>psi average</i>	CURVED SHEAR ON 11.5cm ² RADIUS <i>psi average</i>	TENSION OR LATCHING EFFECT <i>psi average</i>	PEEL STRENGTH LENGTH WISE. <i>piw average</i>
0.8 piw left after 1000 cycles	0.98 kg/cm ² 20 psi	0.74 kg/cm ² 10.5 psi	1.97 kg/cm ² 28.0 psi	0.46 kg/cm ² 6.5 psi	0.54 kg/25mm WIDTH 1.6 piw



VELCRO® Brand

Fire Retardant/Loop 1000

- **Base material:** Nylon
- **Standard colours:** Black, White, Beige, Olive Green, Navy
- **Standard widths (mm):** Black 20,25,50. White 25. Beige 20,25,50. Olive Green 25,50,100. Navy 20,25,50.
- **Standard length:** 25 metre
- **Suggested matting component:** Hook 88
- **Cycle life:** High
- **Custom Cutting:** Available

Main Applications: Aircraft and automotive upholstery, Train seats, Safety clothing, Defence forces Combat clothing, Airforce flying suits, Firemen's turnout coats



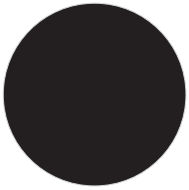
HOOK 88 AND LOOP 1000 CLOSURE PERFORMANCE

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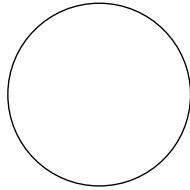


VELCRO® Brand

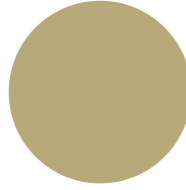
WOVEN HOOK 88 & LOOP 1000 COLOURS



Black - 330



White - 010



Beige - 041



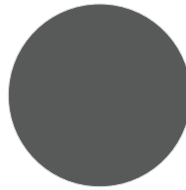
Light Grey - 097



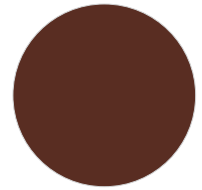
Royal Blue - 208



Red - 147



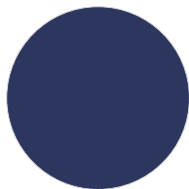
Slate Grey - 098



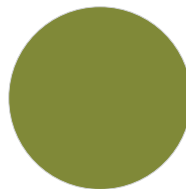
Brown - 106



Yellow - 498



Navy - 210



Olive Green - 160



Coachman Green - 161

VELCRO® Brand

FLUORESCENT COLOURS



Pinkglow - 088



Greenglow - 935



Yellowglow - 105




Orangeglow - 104

VELCRO® Brand fasteners are made of nylon (with the exception of polyester for a specific “specialty” product range), making them completely washable, dry cleanable and virtually unbreakable. Under normal conditions, they will easily outlast the life of the garment or article to which they are applied. However, a minimal amount of care is required and the following points should be remembered: Treat as you would any other synthetic fastener or material. When laundering or dry cleaning it is important to ensure that the fastener is closed to avoid a lint build-up and snagging. However, should you forget, the hook portion of the fastener can be cleaned with a stiff brush or another piece of hook tape. To iron, set for nylon and keep the fasteners in a closed position.


NOTE: Due to the density of the weave of the tapes a difference in colour depth may be detected between hook and loop tapes of the same colour.

VELCRO® Brand
Hook STYLES



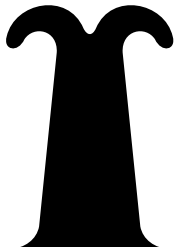
HOOK SHAPE 15
0.89mm

- Designed for high profile woven and knit loops 116 hooks per square centimetre
Hook height: 0.889 millimetres
Standard hooks: 705, 704, 711, 745




HOOK SHAPE 22
0.71mm

- Designed for low profile knit loops 139 hooks per square centimetre
Hook height: 0.711 millimetres
Standard hooks: 805, 811, 845




HOOK SHAPE 24
2.46mm

- Designed for high profile woven and knit loops 20 hooks per square centimetre
Hook height: 2.464 millimetres
Standard hooks: 757, 752



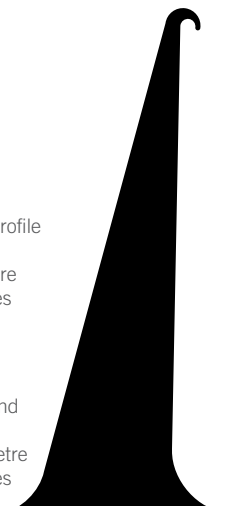
HOOK SHAPE 99
0.61mm

- Designed for low to medium profile woven and knit loops 58 hooks per square centimetre
Hook height: 0.635 millimetres
Standard hooks: 841

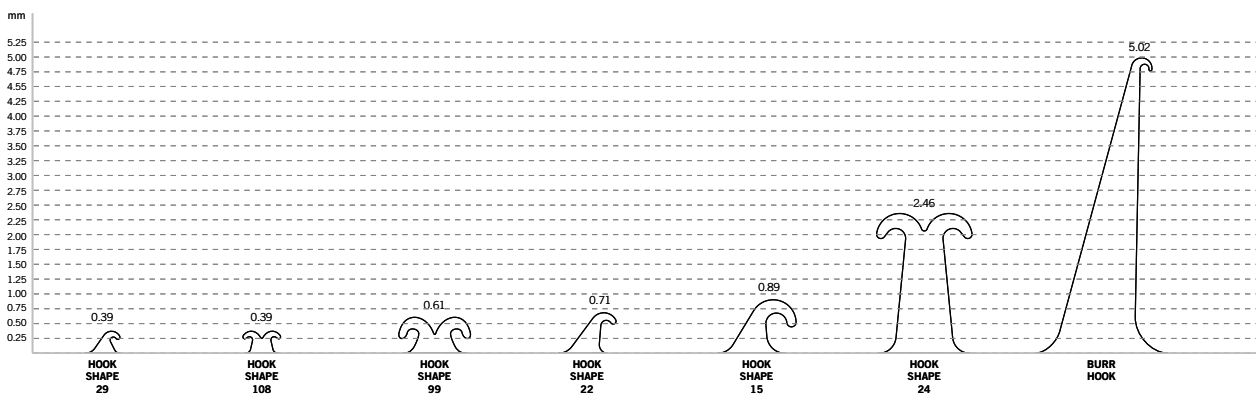


HOOK SHAPE 108
0.39mm

- Designed for low profile knit and nonwoven loops 142 hooks per square centimetre
Hook height: 0.381 millimetres
Standard hooks: 847



BURR HOOK
5.029mm



HOOK	STYLE	RESIN	BENEFITS
705	15	Nylon	Ideal for applications using adhesives
704	15	Polyester	UV and chemical resistant
711	15	Polyethylene	Economical
745	15	Nylon	For sew-on applications
719	15	Nylon	Uni-directional hook for applications requiring high shear
805	22	Nylon	Economical
845	22	Nylon	For sew-on applications
848	22	Vinyl	RF weldable
886	22	Nylon	For mold-in applications; Knit 3200 scrim back
810	22	Nylon	RF weldable
757	24	Nylon	For heavy duty applications with little to no cycling
752	24	Polyethylene	For heavy duty applications; available in silver only
833	29	Nylon	Very low profile
830	29	Polyethylene	Very low profile
841	99	Nylon	Sewable ¹ nylon scrim back
744	99	Vinyl	RF weldable
847	103	Polyethylene	Soft, flexible, disposable

