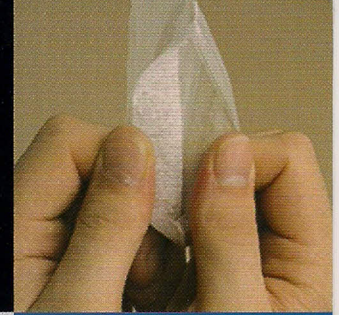


# VELCRO® BRAND HOOK & LOOP FASTENING TAPES - WOVEN & KNITTED



## GENERAL DESCRIPTION

VELCRO® brand polyamide fasteners consist of two mating components: hook and loop. The woven hook tape consists of minute, flexible “hooks” which engage with a mating loop tape comprised of small, soft “loops”. When pressed together, the resulting closure is adjustable and highly secure, available in a variety of different hook strength and cycle life characteristics. To reopen (cycle), the closure is simply peeled apart. VELCRO® brand woven hook and loop tapes are manufactured by a precise and refined weaving process which ensures uniformity of dimensions and construction. VELCRO® brand hook and loop fasteners are launderable and dry cleanable.

## FEATURES

The Velcro companies offer a wide variety of loop tapes (both woven and knit velours).

Napped and unnapped woven loops are available. Napped tape consists of woven polyamide loops that are “randomly disorientated” in a separate operation after weaving. An unnapped tape is a woven polyamide tape that is not napped.

Knit velour tapes range is suitable to cover applications requiring from high cycling to disposable use and they are also ideal components of a low profile fastening closure.



*Leader in fastening systems innovation*



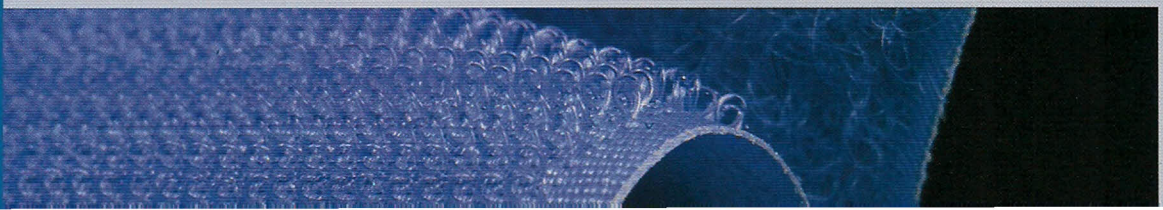


## WOVEN TAPES

WOVEN	VELCRO® brand Hook		VELCRO® brand Loop			VEL-LOC®		
Products	VELCRO® brand Hook 088*	VELCRO® brand PSI Hook*	VELCRO® brand Loop 001*	VEL-LOOP	VELCRO® brand PSI Loop*	VEL-LOC® 085 *	SUPER VEL-LOC® *	SUPER VEL-LOC® Quadrilobal*
Suggested mating components	VELCRO® brand Loop 001	VELCRO® brand PSI Loop	VELCRO® brand Hook 088	VEL-LOC® 085	VELCRO® brand PSI Hook	Velour 3165 standard	VELCRO® brand Loop 001	VELCRO® brand Loop 001
Base material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyester Polypropylene	Polyester Polypropylene	Polyester Polypropylene
Construction	Heavy duty hook tape	Woven edges	Napped finish	Napped finish Low profile loop	Unnapped finish Woven edges	Mushroom hook tape	High density mushroom hook	Aggressive "arrow head" mushroom hook
Cycle life	High	High	High	Medium	High	Medium	Medium/Low	Low
								
Standard colours	20	Black*, grey, nato green, navy blue and olive green	20	10	Black*, grey, nato green, navy blue and olive green	10	Beige, black, grey and white	Black and white
Standard widths (mm)	16, 20, 25, 30, 38, 50, 100, 150	16, 20, 25, 30, 38, 50, 105	16, 20, 25, 30, 38, 50, 100, 150	16, 20, 30, 50, 107	16, 20, 25, 30, 38, 50, 105	16, 20, 25, 30, 38, 50, 100, 125, 190	16, 20, 30, 50, 100	Max. 100
Standard put-ups	25m. rolls consumer boxes spools	25m. rolls	25m. rolls consumer boxes spools	25m. rolls	25m. rolls	25m. rolls consumer boxes spools	25m. rolls	25m. rolls
Peel strength average	2.0 N/cm	**	2.0 N/cm	1.5 N/cm	**	2.0 N/cm	7.0 N/cm	20 N/cm
								
Shear strength average	10.3 N/cm²	**	10.3 N/cm²	16 N/cm²	**	20 N/cm²	70 N/cm²	65 N/cm²
								
Breaking strength average	Min. 210 N/cm	**	Min. 210 N/cm	Min. 210 N/cm	**	Min. 220 N/cm	Min. 350 N/cm	Min. 220 N/cm

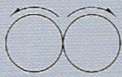
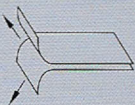

\* Available with F.R.T. treatment (meets FAR 25853, MVSS 302 and ATS 1000.001)

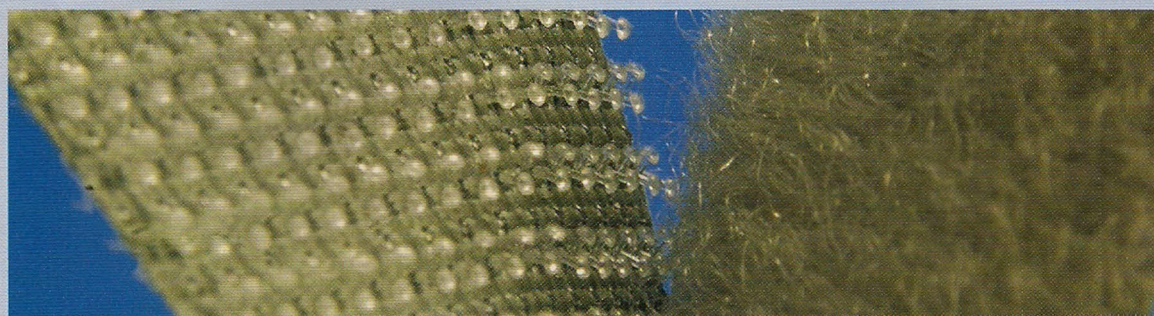
\*\* Meets military requirements established by the French Army standard (BROCHURE 5508 GP/EM/TC) and the Swedish Army standard FMV (Technical specification 11861 E)



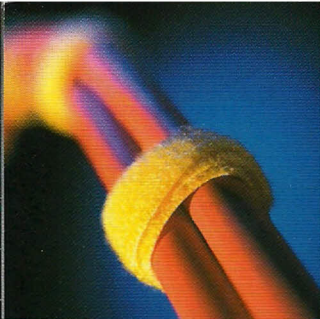


## KNITTED TAPES

KNITTED	Velours									
Products	Velour 400		Velour 3165 standard		Velour 3894 light		Velour 3969		Velour 3200	
Suggested mating components	VELCRO® brand Hook 088		VEL-LOC® 085		VEL-LOC® 085		VEL-LOC® 085		VEL-LOC® 085	
Base material	Polyamide		Polyamide		Polyamide		Polyamide		Polyester	
Construction	Wrap knit Napped finish High pile Ideal for high cycle life products		Wrap knit Napped finish Low pile		Wrap knit Napped finish Low pile		Wrap knit Napped finish Low pile		Wrap knit Light weight Ideal for disposable products	
Cycle life	High		Medium		Medium		Medium/Low		Low	
										
Standard colours	Black, grey, raw and white		10		Beige, black, grey and white		Black and white		White	
Standard widths (mm)	16, 20, 25, 30, 38, 50, 100, 125	1500	16, 20, 25, 30, 38, 50, 100, 125	1400	16, 20, 25, 30, 38, 50, 100, 125	1400	16, 20, 25, 30, 38, 50, 100, 125	1400	20, 25, 30, 40, 50, 70, 100	1500
Standard put-ups	25m. rolls	25m. rolls	25m. rolls	51m. rolls	25m. rolls	51m. rolls	25m. rolls	51m. rolls	50m. rolls	51m. rolls
Peel strength average	1.8 N/cm		1.5 N/cm		1.0 N/cm		0.8 N/cm		2.0 N/cm	
										
Shear strength average	3.0 N/cm <sup>2</sup>		16 N/cm <sup>2</sup>		15 N/cm <sup>2</sup>		13 N/cm <sup>2</sup>		15 N/cm <sup>2</sup>	
										
Breaking strength average	Min. 80 N/cm		Min. 80 N/cm		Min. 80 N/cm		Min. 65 N/cm		Min. 25 N/cm	



VEL-LOC® and Velour  
3165 standard



## METHODS OF ATTACHMENT

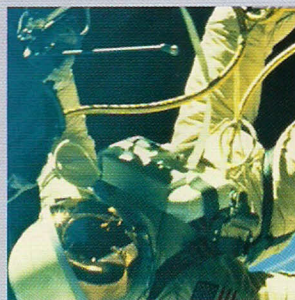
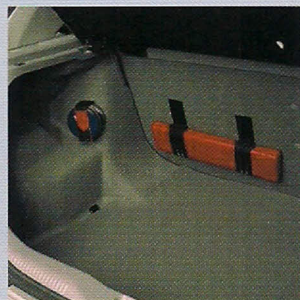
- Sewing
- Pressure sensitive pre-coats (See VELCRO® brand ADHESIVES range)
- Heat or solvent activated pre-coats (See VELCRO® brand ADHESIVES range)
- Mechanical
- Ultrasonic welding
- Mold-in

## FABRICATION & PACKAGING

- Straight and die-cut pieces
- Cut and mated pieces
- Score cut pieces
- Perforated pieces and rolls
- Custom manufactured straps
- Complete product assembly
- Cross-wound spools
- Customised packaging upon request

## APPLICATIONS

Medical, clothing, polishing disc, diapers, carpets, molding, packaging, cable ties, seats, aircraft, construction... NO LIMITS!



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Edition 2/05