

VELCRO® Brand

Self-engaging Hook & Loop Tapes











HOOK & LOOP ON OPPOSITE SIDES • HOOK & LOOP ON THE SAME SIDE



Hook & Loop on Opposite Sides

A WIDE OFFERING OF BACK TO BACK TAPES WHERE HOOK AND LOOP ARE WOVEN, GLUED OR EXTRUDED TOGETHER AND GIVE DIFFERENT PERFORMANCE CHARACTERISTICS FROM HIGH CYCLE LIFE TO DISPOSABLE APPLICATIONS. BOTH HOOK & LOOP COMPONENTS OF THE CLOSURE ARE INTEGRATED IN A SINGLE PRODUCT



CHARACTERISTICS	FULL WIDTH HOOK COVERAGE				SINGLE HOOK LANE			
								
	Double Face 200	Back to Back (Hook & Loop)	ONE-WRAP® 29	BUNDLE TIE	FLEX-ZONE™ Hook 703	FLEX-ZONE™ Hook 796	FLEX-ZONE™ Hook 797	FLEX-ZONE™ Hook 898
BASE MATERIAL	Polyamide	Polyamide	Hook: Polypropylene Backing: Velour 3800 (polyamide)	Hook: Polypropylene Backing: Nonwoven 3310 (polyester)	Hook: Polypropylene Backing: Velour 3610 (polyamide)	Hook: Polypropylene Backing: Velour 3905 (polyamide)	Hook: Polypropylene Backing: Nonwoven (polyester)	Hook: Polypropylene Backing: Velour 3905 (polyamide)
CONSTRUCTION	Woven Hook & Loop woven together on opposite sides	Glued Woven Hook tape glued onto woven Loop tape	Extruded Plastic Hooks extruded onto back side of Loop material at full width		Extruded Single lane of Hooks extruded onto back side of Loop material			
CYCLE LIFE	Medium	High	Medium	Low	Medium/Low	Medium/Low	Medium/Low	Medium/Low
PEEL STRENGTH (AVERAGE)	2.6 N/cm	2 N/cm	2.1 N/cm	-	1.6 N/cm	0.9 N/cm	1.3 N/cm	1.1 N/cm
SHEAR STRENGTH (AVERAGE)	18 N/cm ²	10.3 N/cm ²	27 N/cm ²	Min. 7 N/cm ²	27 N/cm ²	18 N/cm ²	22 N/cm ²	20 N/cm ²
STANDARD COLOURS	Black, white	20 colours	Black, white, yellow, green, blue, red	Moss green	Hook: Black Backing: White	Hook: Black Backing: White, grey	Hook: Natural Backing: White	Hook: Natural Backing: White
STANDARD WIDTHS (mm)	25, 40	16, 20, 23, 25, 30, 38, 46, 50, 100, 125	10, 13, 16, 20, 25, 30, 38, 50, 107	10, 20	Overall: 200 Hook lane: 30	Overall: 200, 300 Hook lane: 15	Overall: 235 Hook lane: 10	Overall: 200 Hook lane: 12
STANDARD PUT-UPS	25 m rolls	25m rolls	25m rolls	25m rolls	50m rolls	51m rolls 91m rolls	60m rolls	75m rolls
EASY PEEL FEATURE	-	-	-	-	Yes	Yes	Yes	Yes
SOME APPLICATIONS	Medical: orthopaedics Transportation: accessories Specialties: bundling	Medical: orthopaedics Specialties: bundling	Materials handling Transportation: cable protection and handling Specialties: bundling, ideal for fibre optics	Specialties: agriculture and plant tie	Materials handling Transportation: cable protection and handling Specialties: bundling			
DISTINCTIVE CHARACTERISTICS	Temperature and chemical resistance Adhesive free, no delamination High softness and flexibility	Flexibility High cycle life	Hook-loop lamination without the use of adhesives Strong self-engaging	Hook-nonwoven lamination without the use of adhesives Disposable self-engaging	Disposable self-engaging			

Hook & Loop on the Same Side

WOVEN TAPES WHERE HOOK AND LOOP ARE WOVEN SIDE BY SIDE OR MIXED ON THE SAME FACE OF THE TAPE. ITS WOVEN TECHNOLOGY AND HIGH PROFILE SHAPE PROVIDE HIGH PERFORMANCE ON ENGAGEMENT VALUES. BOTH HOOK & LOOP COMPONENTS OF THE CLOSURE ARE INTEGRATED IN ONE PRODUCT

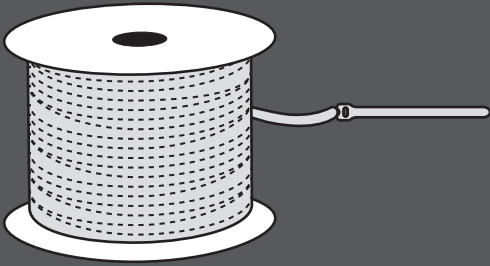


	HOOK & LOOP MIXED	HOOK & LOOP SIDE BY SIDE	
CHARACTERISTICS	OMNI-TAPE®	Side by Side Standard	Side by Side PS14
BASE MATERIAL	Polyamide	Polyamide	Polyamide
CONSTRUCTION	Woven Hook & Loop woven together and mixed	Woven Hook & Loop woven side by side with a separation in between	
CYCLE LIFE	High	High	High
PEEL STRENGTH (AVERAGE)	1.22 N/cm	1.2 N/cm	1.2 N/cm
SHEAR STRENGTH (AVERAGE)	8.4 N/cm ²	13 N/cm ²	13 N/cm ²
STANDARD COLOURS	Black, white	Black, white	Black, white
STANDARD WIDTHS (mm)	20, 25, 50	50, 80	50
STANDARD PUT-UPS	25m rolls	25m rolls	25m rolls
SOME APPLICATIONS	Medical: orthopaedics Industrial: high quality apparel, leather jackets	Medical: plasters Specialties: furnishing covers	Specialties: cable guide, upholstery
DISTINCTIVE CHARACTERISTICS	Avoid scratching (loops protecting the hooks)	Closing system with a channel Protection High cycle life	

		TYPES OF CLOSURES	
		HOOK & LOOP ON OPPOSITE SIDES	HOOK & LOOP ON THE SAME SIDE
TECHNOLOGY	WOVEN	 Double face 200	 OMNI-TAPE® Side by Side
	GLUED	 Back to Back (Hook & Loop)	
	EXTRUDED	 ONE-WRAP® 29 / BUNDLE TIE FLEX-ZONE™	

VELCRO® Brand
ONE-WRAP® Straps

PATENTED ONE-WRAP® & FLEX-ZONE™ TECHNOLOGIES PROVIDE THE ABILITY TO EXTRUDE HOOKS OR FLAT-ZONES CONTINUOUSLY ON A VARIETY OF LAMINATES AND SUBSTRATES



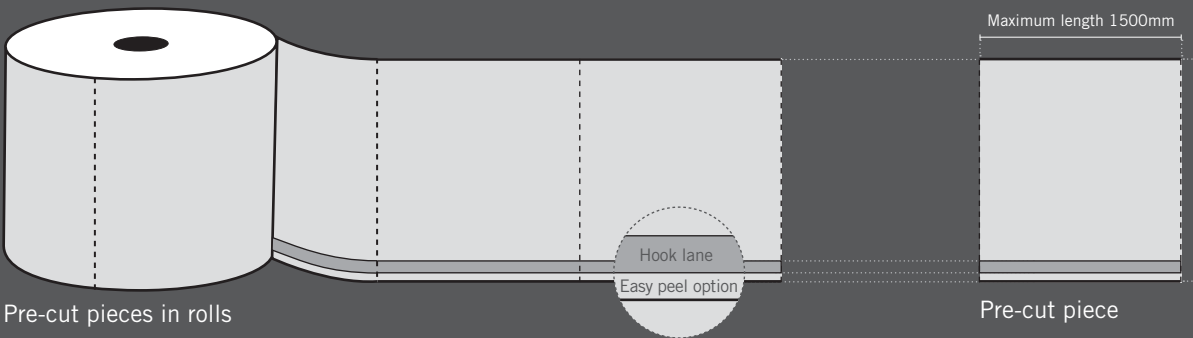
Pre-cut straps in spools

SIZE	STRAPS/SPOOL	STRAP SHAPE
13x200 mm	750	13x200 7 mm
20x150 mm	1.000	20x150 13 mm
20x200 mm	750	20x200 13 mm
20x230 mm	650	20x230 13 mm
20x330 mm	450	20x330 13 mm
25x300 mm	500	25x300 17 mm
10x150 mm	1.200	10x150 10 mm
12x210 mm	700	12x210 12 mm

VELCRO® Brand
FLEX-ZONE™ Pieces



Pre-cut pieces



Pre-cut pieces in rolls

Maximum length 1500mm

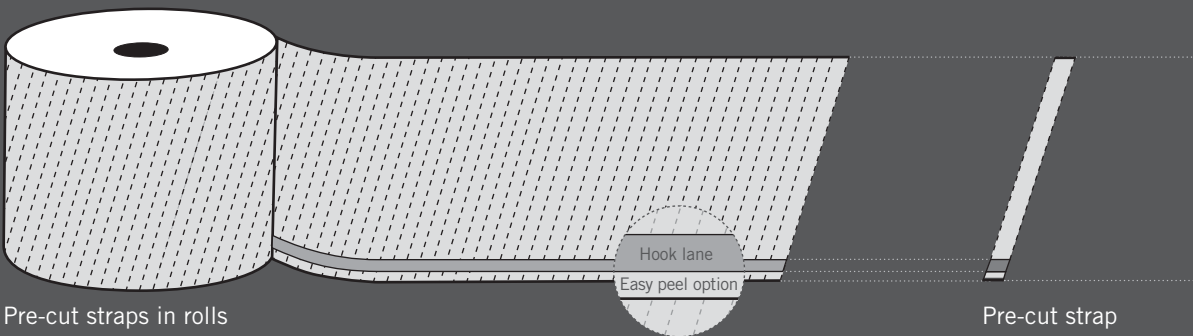
Standard tape widths
200, 235, 260 and 300mm

Pre-cut piece

VELCRO® Brand
FLEX-ZONE™ Straps



Pre-cut straps



Pre-cut straps in rolls

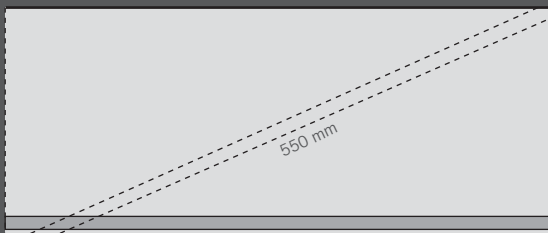
Standard tape widths
200, 235, 260 and 300mm

Pre-cut strap

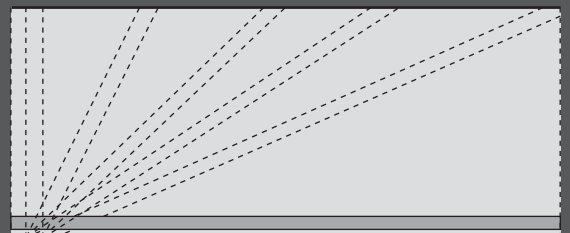
Customised length from 200 to 550 mm



Minimum strap length



Maximum strap length



Some strap length options

METHODS OF ATTACHMENT



Pressure sensitive adhesives
(See VELCRO® Brand Adhesives Range)



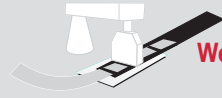
Sewing



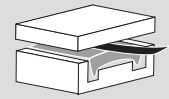
Mechanical



Heat or solvent activated adhesives
(See VELCRO® Brand Adhesives Range)

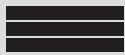


Welding



Mold-in

FABRICATION



Slitting



Scored cut



Custom manufactured straps



Pre-cut



Mated



Complete product assembly

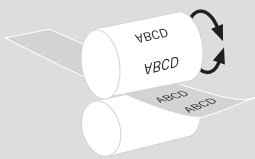


Die cut

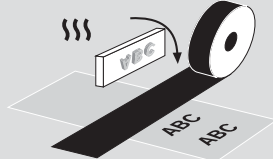


Perforated

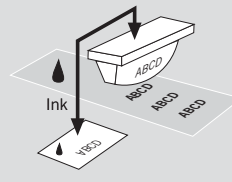
PRINTING



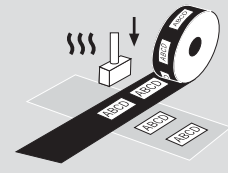
Flexography



Hot stamping



Pad printing



Heat transfer labels

PACKAGING



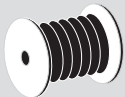
Rolls



Sealed bag



Bundling



Spools



Blister



Bulk



Shipping boxes



Folding boxes



Customised packaging



Labels

APPLICATIONS



APPAREL



CONSTRUCTION



MEDICAL



MILITARY & GOVERNMENT



PACKAGING & MATERIALS HANDLING



PERSONAL CARE



TRANSPORTATION



OTHER INDUSTRIES



VELCRO INDUSTRIES ARE WORLDWIDE LEADERS IN FASTENING SYSTEMS OFFERING A WIDE RANGE OF SOLUTIONS, FROM STANDARD HOOK AND LOOP TO COMPLETE FINISHED PRODUCTS.

50 YEARS OF EXPERIENCE: WE ARE PROUD OF OUR HERITAGE IN INNOVATION HAVING OVER 300 ACTIVE PATENTS TO OFFER BETTER SOLUTIONS TO SATISFY OUR CUSTOMERS' NEEDS.



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VELCRO INDUSTRIES AROUND THE WORLD

