

High Technology Hook 893 with Knit 3905

Technical Data Sheet

July 2024

PRODUCT DESCRIPTION



VELCRO® Brand High Technology Hook 893 is a Polyethylene resin hook with a nylon scrim backing, made to self-engage. It is a low-profile, J-style hook with low to medium cycle life when mated upon itself.

VELCRO® Brand HTH 893 is used primarily in the Industrial, Construction and Transportation Markets.

PRODUCT CONSTRUCTION

Fastening system	VELCRO® Brand HTH 893
Construction	Molded Hook/Knit Loop
Composition	Polyethylene Base Resin Laminated to Nylon Loop
Thickness	.04in. (1.02mm.)
Weight	495.39 g/m ²
Widths available + Variations*	Up to 12 ¾ inches
Colour available	Black, White, Grey, Red

* Other widths capabilities upon request

PERFORMANCE CHARACTERISTICS*



Fastening system	VELCRO® Brand HTH 893
Peel ITM-00044	Average: 3.39 N/cm (0.30piw) Tested with VELCRO® Brand Loop 3905
Shear ITM-00045	Average: 18.41 N/cm ² (26.7psi) Tested with VELCRO® Brand Loop 3905

* The average values are only for reference. Suitable performance for a specific intended application should be evaluated by the user.

PRODUCT COMBINATIONS

The **VELCRO® Brand HTH 893** has been designed to be used with **VELCRO® Brand Knit 3905** scrim.

ADDITIONAL PERFORMANCE CHARACTERISTICS



Outdoor use

VELCRO® Brand High Technology Hook 893 is intended for indoor use.



Resistance to solvents

VELCRO® Brand High Technology Hook 893 has not been tested for resistance to solvents and should be tested in use for specific applications.



Fire resistance

VELCRO® Brand High Technology Hook 893 can be ignited. It does not have flame-retardant properties, so its use is not recommended for applications that require flame propagation.



Water/Moisture resistance

VELCRO® Brand High Technology Hook 893 is not moisture resistant.



Sterilisation

These products have not been tested for physical sterilisation (autoclave, steam, gamma rays, etc.) or chemical sterilisation (ethylene oxide, hydrogen peroxide, etc.).



Colour fastness

No relevant information available.



Biocompatibility

VELCRO® Brand High Technology Hook 893 has not been tested for biocompatibility. Customers have full responsibility to determine the suitability for safety and biocompatibility assessments.



Electrostatic discharge

VELCRO® Brand High Technology Hook 893 has not been tested for electrostatic discharge after opening and closing the fastener. These products must first be tested in applications where electrostatic discharge is a concern.



Seam strength

VELCRO® Brand High Technology Hook 893 is not meant to be sewn. It is self-engaging.

SUGGESTED APPLICATIONS

The VELCRO® Brand HTH 893 can be used in a wide variety of applications such as:



CONSTRUCTION – Cable management



INDUSTRIAL – Material handling, electrical data network, Consumer electronics, gardening



TRANSPORTATION – Cable management

We recommend testing the product before use since the conditions specific to each application may cause differences in performance.

COUNTRY OF ORIGIN

USA

REGULATORY ELEMENTS

For product declarations of conformity on regulatory elements and additional information, contact ProductCompliance@velcro.com

PRODUCT USE

The information, statements and comments contained within this document are based on our experience and testing and are believed to be accurate. However, because there are many factors involved in specific applications that can impact end use and performance, product users should always test the product for its ability to meet the requirements of their specific use and method of application.

LIMITED WARRANTY

Velcro Companies^(*) warrants that all its products will substantially comply with its written specifications at the time of shipment. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. The product user is responsible for determining whether the product is fit and suitable for the intended application. If the product does not meet specifications as warranted, we will, at our option, repair or replace the product, or credit or refund the purchase price. The foregoing constitutes the user's sole remedy and our sole obligation hereunder.

^(*) Velcro Companies includes all the partner companies involved in the development, manufacture, or sale of the products.

LIMITATION OF LIABILITY

To the maximum extent permitted under applicable law, our liability for any losses or damages relating to use of the product shall not exceed the purchase price for such product, regardless of whether such losses or damages are direct, indirect, special, incidental, or consequential, and regardless of the legal theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Given the diversity of our products, we recommend that our customers verify that the product satisfies the requirements of their application. The customer is responsible for the application and use of the product.

VELCRO® and other marks are registered. Used with permission. © 2022