

Flexible holder system for Robotics

For universal use on different types of robots

FHS – THE FLEXIBLE HOLDER SYSTEM FOR DIRECT FASTENING



THE DESIGN MAKES ALL THE DIFFERENCE

The FHS flexible holder system consists of two base bodies and a Velcro strip, available in various lengths. It is suitable for direct and secure mounting of lines, cables or protective conduits for dynamic loads on robots. Two base body options are available, which are suitable for use in three different applications:

Both base bodies are equipped with a red non-slip coating on the surface touching the robotic arm. This coating runs all the way from the bottom to the top side for the FHS-UHE and FHS-C bodies. Ensuring gentle support and slip resistance for the inserted conduits, lines and cables as well.

FHS-SH base body



APPLICATIONS

FHS
with system holder
(FHS-SH)



FHE base body



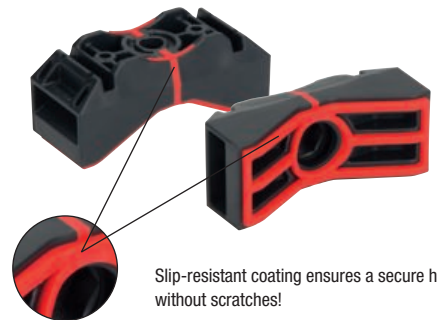
APPLICATIONS

FHS
with one-piece universal
holders (FHS-UHE)



APPLICATIONS

FHS
without universal holder,
with looped Velcro strip (C)



THE MULTITASKING-TALENT

TWO BASE BODIES – THREE DIFFERENT APPLICATIONS:

FHS-SH

Flexible holder system with system holder (SH)



FLEXIBLE LINE ROUTING

- For routing and stabilizing smaller cable packages
- As original equipment and for retrofitting
- For sliding or fixed assembly on the corrugated conduit
- Strain relief with reducing cable wear

FHS-UHE

Flexible holder system with one-piece universal holders (UHE)

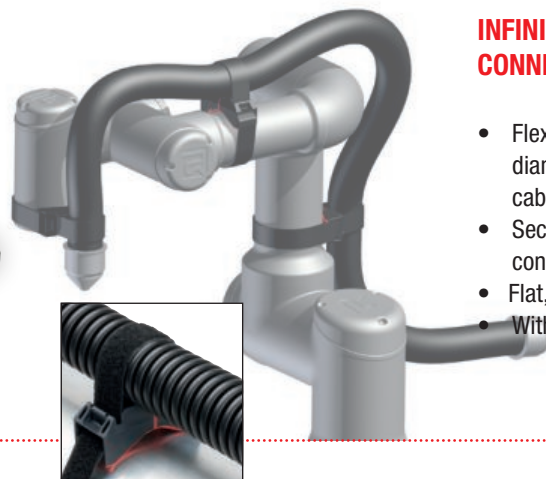


RELIABLE AND QUICK ASSEMBLY

- Easy replacement of the corrugated conduit
- Retrofitting, with low cable wear
- “Captive” clamping bracket, because of one-piece construction

FHS-C

Flexible holder with looped Velcro strip (C)



INFINITELY VARIABLE DIRECT CONNECTION

- Flexible lengths for various diameters of the robot arm, lines, cables and protective conduits
- Secure and low cable wear direct connection without holder
- Flat, compact design
- Without tools and loose components

READY TO USE ANYWHERE

ACCESSORIES AND ADD-ONS FOR EASY AND SECURE ASSEMBLY ON DIFFERENT

FHS-SH ACCESSORIES

Specially designed components for dynamic applications make them suitable for a wide range of uses.

STRAIN RELIEF

KEG-ZL
(with cable ties)



KEG-K
(with cable star)



BALL JOINTS

KMG-F
(fixed)



KMG-G
(sliding)



The FHS-SH system, with the SH system holder M25/M32, is suitable for M25/P21 and M32/P29 corrugated conduit sizes. The flexible holder system can be individually equipped by using the system holder inlays.

FHS-UHE ACCESSORIES

Special components for light loads.

UNIVERSAL HOLDERS

UHE M32/P29
UHE M25/P21
(not shown)



END SLEEVES

ET-EN



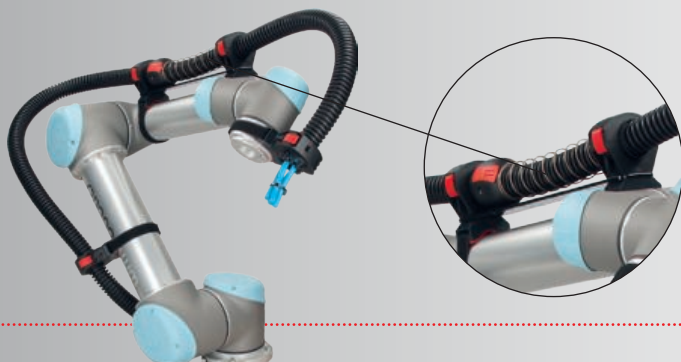
The one-piece universal holder UHE is available for two different corrugated conduits: UHE M32/P29 and UHE M25/P21.

The end sleeve serves as closure on the open end of the corrugated conduit or as centring device for protruding lines. It has the advantages of an easy installation and a variable opening.

FHS EXTENSIONS

RECIRCULATION SYSTEM

FHS-RS



The recirculation system can be installed as a simple and space-saving solution with a length compensation of 150 mm. Quick and easy installation of the flexible holder system, for instance on a small robot without mounting options such as holes or threads.

WRIST SUPPORT

R-SSR



In case of higher loads, a wrist support can be installed on axis 6 - instead of the flexible FHS holder system, which can then hold a system holder with strain relief (M25/P21 or M32/P29).



Case example

WIRE INSERTION TOOL

KE



The Murrplastik KE wire insertion tool facilitates the subsequent insertion of cables into slotted and split cable protection conduits and features the following advantages:

- Fast insertion of cables
- Very easy handling
- No unnecessary deformation of the conduit



Murrplastik, as the industry leader, offers a modular holder system, which provides a secure hold, doesn't slip and fits anywhere!

Request your information now! Give us a call or visit us online at www.murrplastik.de



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