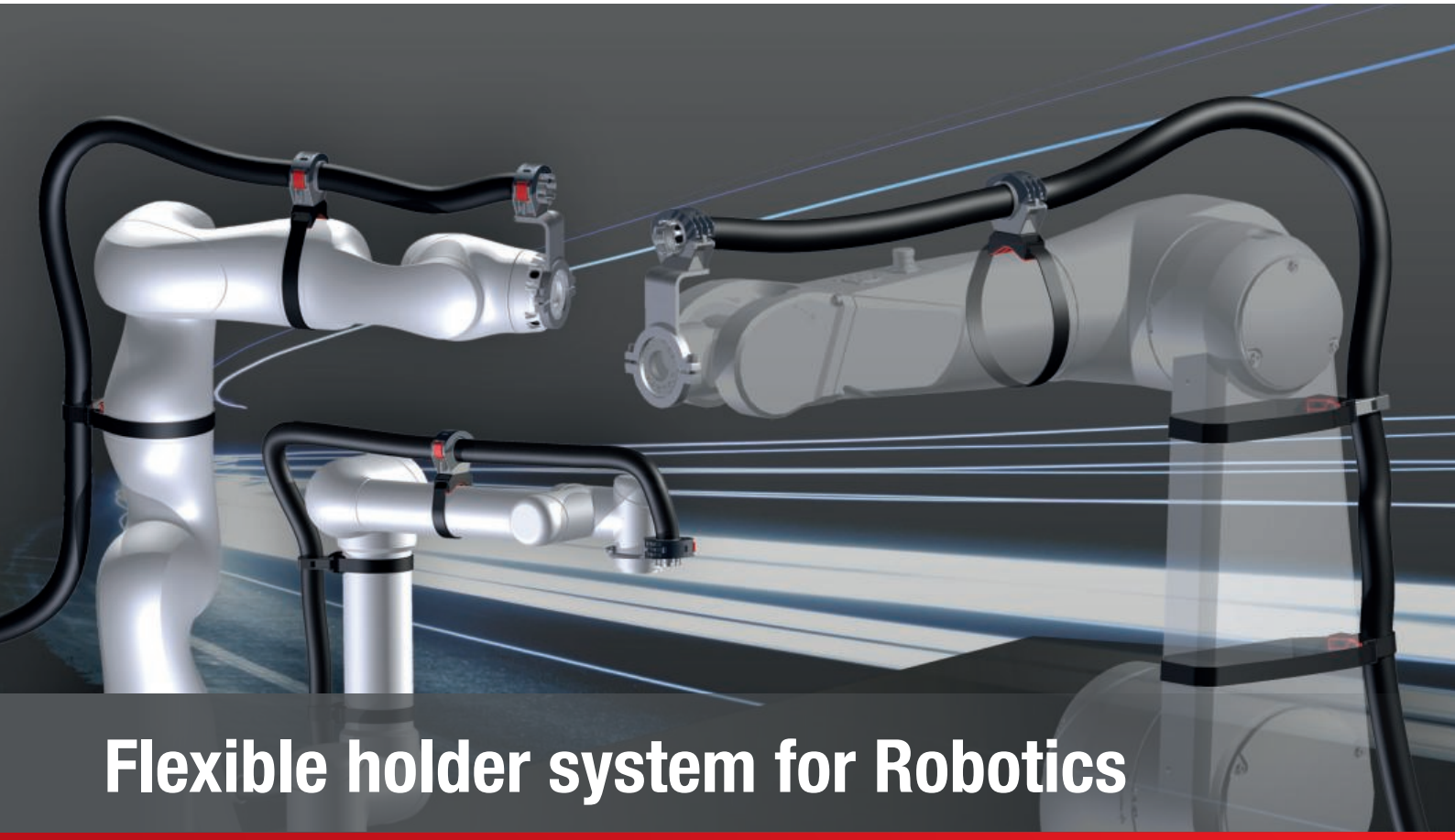
murrplastik



Flexible holder system for Robotics

For universal use on different types of robots

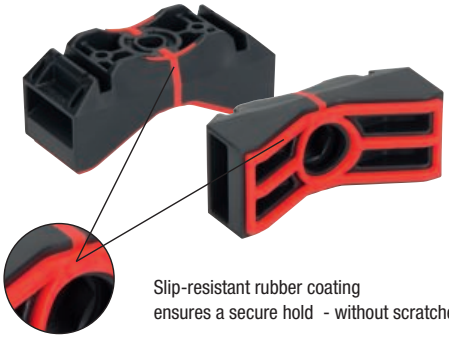
GERMAN INNOVATION AWARD '19 WINNER

FHS – THE FLEXIBLE HOLDER SYSTEM

THE FLEXIBLE HOLDER SYSTEM FHS – FOR DIRECT FASTENING AT THE COBOT

The FHS flexible holder system is a unique modular holder system for dynamic energy supply to cobots. It provides a secure, non-slip grip and fits on different surfaces and radii. It can be installed quickly, easily, space-saving, subsequently and without tools.

With the use of holder systems, strain reliefs and ball joints, extensibility is guaranteed at all times. A special feature is the unique FHS-RS recirculation system, a complete set for length compensation of the energy supply system.



Slip-resistant rubber coating
ensures a secure hold - without scratches!

Specially coated Velcro tapes prevent slipping.

APPLICATION

FHS
with system holder
(FHS-SH)

1

APPLICATION

FHS
with one-piece universal holder **(FHS-UHE)**

2

APPLICATION

FHS
without universal holder, with looped Velcro tape
(FHS-C)

3

READY TO USE ANYWHERE

ACCESSORIES AND EXTENSIONS FOR EASY AND SECURE ASSEMBLY ON DIFFERE

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
(gliding)

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-SH ACCESSORIES

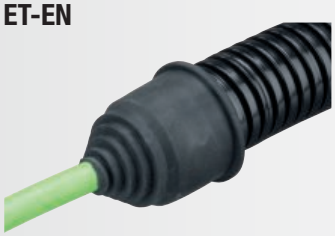
Special components for low loads.

UNIVERSAL HOLDERS

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

END GROMMETS

ET-EN



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

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

EXTENSIONS

TENSION CLAMP

R-SSR

In case of higher loads, a tension clamp 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).

Application example

WIRE INSERTION TOOL

KE

NT TYPES OF ROBOTS

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WE OFFER
CUSTOMER-SPECIFIC COBOT SETS* FOR:

TECHMAN ROBOT

UNIVERSAL ROBOTS+ Certified

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strong · fast · simple

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YASKAWA

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DOOSAN

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Elephant Robotics

OMRON

HAN'S ROBOT 大族机器人

STÄUBLI

MABI ROBOTIC

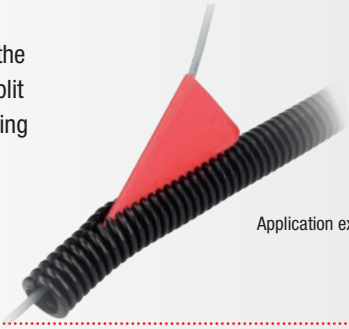
*Cobot sets for other manufacturers on request

MurrplastikTV

Assembly videos for the flexible holder system FHS can be found on our YouTube channel.

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



Application example

„We are a leading manufacturer of a modular holder system, which provides a secure hold, does not slip and fits anywhere!“

Request your information now!
Give us a call ☎ **+49 7191-4820** or visit us online at **www.mp.de**

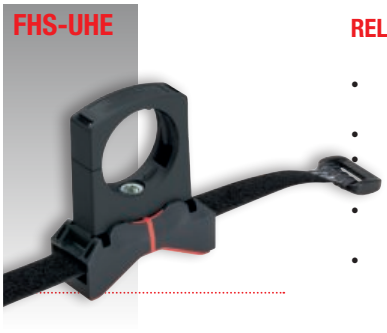
THE MULTITASKING TALENT

TWO BASE ELEMENTS – THREE DIFFERENT APPLICATIONS:

INFINITELY VARIABLE DIRECT CONNECTION

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

Flexible holder system with looped Velcro tape (C), without universal holder



RELIABLE AND QUICK ASSEMBLY

- Easy replacement of the corrugated conduit
- Retrofitting, with low cable wear
- “Undetachable“ clamping bracket, because of one-piece construction
- To prevent axial shift of the corrugated conduit
- For dynamic, easy applications

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

FLEXIBLE CABLE ROUTING

- For routing and stabilising smaller cable packages
- For slow to mid-speed travel
- Initial equipment and subsequent installation
  For gliding or fixed assembly on the corrugated conduit
- Strain relief with low cable wear

Flexible holder system with system holder (SH)

160 mm

LENGTH COMPENSATION

Recirculation system (RS)

- ✔ User-friendly handling
- ✔ Subsequent assembly without tools
- ✔ Outstanding price/performance ratio
- ✔ Secure, non-slip grip

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