



# Hose Systems for **High End Applications**

**Nice** and Individual



# Fit to Endure

The hose systems offered by us feature a high strength and an extreme flexibility in their applications: They durably withstand mechanical and chemical attack and are resistant to microbes if combined with polyether hoses. Another PU variant is FDA certified and can hence be employed in the food industry. Hose types that are metal-coated or equipped with a wire prevent the formation of static discharges. On this broad basis, we can meet many requirements. In addition, we constantly develop new solutions. Let us know your individual demands – we have much to offer:

- **the full range**

Sleeves, straight or as 90° elbows, moulded or threaded, in clip-on design of polyether or polyester, PU hoses in light, medium or heavy design.

- **in every lot size**

We develop, manufacture and supply our products in almost any lot size.

- **in every dimension**

We offer the complete range of inside diameters from 19 to 152 millimeters for all common connection formats.

- **in every color**

As a standard, we offer our hose systems in black. All other colors are available on request.

- **systems for every requirement**

Depending on your special requirements for hose assembly, we use the suitable PU types. High abrasion resistance, chemical resistance or food-grade features are provided by our system in the same way as special requirements about shape, dimensions or electrostatic discharges are met.

- **always in optimum quality**

We exclusively use branded materials from renowned manufacturers in a hardness range from 60 Shore A to 74 Shore D. All our materials correspond to the latest quality standards and regulations such as REACH, RoHS, etc. We do not accept any compromises in view of quality! Every product is tested by us for processing quality and tight seat before it is supplied to our customers.





Product	Inside diameter [mm]
Standard sleeve	20, 25, 28, 32, 35, 38, 40, 44, 50, 55, 60, 63, 67, 70, 76, 80, 90, 100
Standard sleeve (screw fix)	25, 32, 35, 38, 40, 50, 60, 63, 70, 76, 80, 90, 100
Standard 90° elbows	20, 25, 32, 38, 40, 50, 60, 63, 70, 80, 90, 100
Clip-on sleeves	19, 25, 32, 38, 40, 45, 50, 54, 60, 63, 70, 76, 80, 82, 89, 102, 108, 114, 120, 125, 128, 130, 140, 152
Clip-on 90° elbows	20, 25, 32, 38, 40, 50, 60, 63, 70, 80, 89, 102, 130, 152
Clip-on 90° elbows with extension	32/40, 38/40, 38,50, 60/70, 63/70, 70/76, 70/80, 70/82, 70/100, 70/110, 80/102, 100/115

## Ready for the Extras

What use does the decathlete's fitness have when he has to pirouette? None at all! In the same way we understand our product range only as a basis to meet many requirements well. With our own development and design department and the pertaining tool shop, we are also ready for the extras: Only four examples demonstrate how our products help you to take the lead with innovative ideas!

The PU hose with an aluminum coating applied in a sputtering process, for example, acts as a reliable protection against electrostatic discharges in painting systems. And we grant a lifelong guarantee!

The system consisting of a plastic hose, a plastic sleeve attached by injection-molding and a firmly connected steel ring ensures a reliable protection against electrostatic charges and provides a virtually unlimited durability.

The sleeve with a grounding cable that is attached by injection-molding and firmly connected with the wire in the hose represents our professional answer to the requirements in explosion-protected areas.





In order to protect racecar drivers in a crash, we developed a heat-resistant hose system (Fire Protection Class UL 94 V0) whose special plastic sleeve clearly reduces the risk of damage compared to its predecessors that were made of metal. The soft material at the threaded sleeve is flexible, and the sleeve at the other end can be removed easily. This is the way how unconscious pilots are rescued quickly and safely by the rescue workers.



