

## Outer Protective Hoses

Approximate outer diameter values of heating hoses with polyamide protective braid, using the example of heating hoses series H 12:

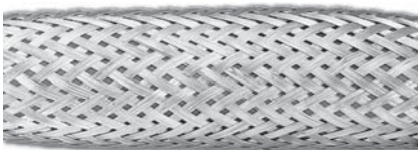
nominal diameter DN	04	06	08	10	12	16	20	25	32	40	50
outer Ø mm ± 10 %:	40	40	40	45	45	50	50	55	60	70	85

If other outer protective hoses or a different heating hose series is used, the outer diameter might increase by up to 10 mm.



### Polyamide Protective Braid

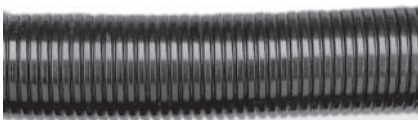
Material: PA 6, polyamide. Heat-resistant up to 150 °C, very flexible and light, usually black - but also available in other colors.



### Metal Protective Braid

Material: steel, galvanized or V2A. Heat-resistant from 300 °C to 500 °C, very flexible and light, very good protection against abrasion.

<b>order no.</b>	<u>option: metal protective braid, V2A</u>	<b>order no.</b>	<u>option: metal protective braid, steel, galvanized</u>
89 20 10	nominal diameter DN 04 - 10	89 20 13	nominal diameter DN 04 - 10
89 20 11	nominal diameter DN 12 - 16	89 20 14	nominal diameter DN 12 - 16
89 20 12	nominal diameter DN 20 - 25	89 20 15	nominal diameter DN 20 - 25



### Plastic Corrugated Hose

Material: PA 6, polyamide. Heat-resistant up to 120 °C, very flexible, hard-wearing, flame retardant, halogen-free.

<b>order no.</b>	<u>option: plastic corrugated hose, PA 6</u>
89 20 16	nominal diameter DN 04 - 10
89 20 17	nominal diameter DN 12 - 16
89 20 18	nominal diameter DN 20 - 25



### PU Corrugated Hose with Steel Spiral

Material: PU, polyurethane. Heat-resistant up to 90 °C, very flexible, suitable for applications on robots, hard-wearing, flame retardant, halogen-free.

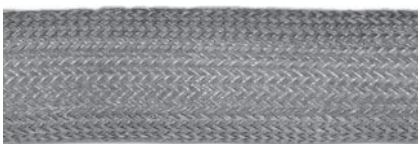
<b>order no.</b>	<u>option: PU corrugated hose</u>
89 20 60	nominal diameter DN 04 - 10
89 20 64	nominal diameter DN 12 - 16
89 20 68	nominal diameter DN 20 - 25



### Metal Corrugated Hose

Material: galvanized steel. Heat-resistant up to 300 °C, very flexible, hard-wearing, resistant against sharp objects and chippings.

<b>order no.</b>	<u>option: metal corrugated hose</u>
89 20 19	nominal diameter DN 04 - 10
89 20 20	nominal diameter DN 12 - 16
89 20 21	nominal diameter DN 20 - 25



### Glass Fabric Protective Hose

Material: glass fiber, black. Temperature stability up to 400 °C, very flexible with very good protection against abrasion. Protection against glowing chippings.

<b>order no.</b>	<u>option: glass fabric protective hose</u>
89 20 22	nominal diameter DN 04 - 10
89 20 23	nominal diameter DN 12 - 16
89 20 24	nominal diameter DN 20 - 25

## Optional Equipment

<b>order no.</b>	
89 20 01	Pt 100 sensor instead of Fe-CuNi
89 20 02	thermal switch (opener), limit values: 80 °C, 100 °C, 180 °C, 200 °C
89 20 03	control cable per conductor and meter heating hose 0.75 Ø
89 20 00	control cable per conductor and meter heating hose 1.5 Ø
89 20 04	extended control cable per meter 3-conductor
89 20 05	extended control cable per meter 5-conductor
89 20 06	extended control cable per meter 7-conductor
89 20 07	7-pole coupling "Binder S693", mounting for control cable included
89 20 08	extended power supply per meter
89 20 09	mains / sensor separated with 7-pole diode plug