



# METAL HOSE

AT HIGH TEMPERATURES WITH  
RESISTANCE TO CHEMICALS

**IMPRESSIVE  
RESISTANCE!**

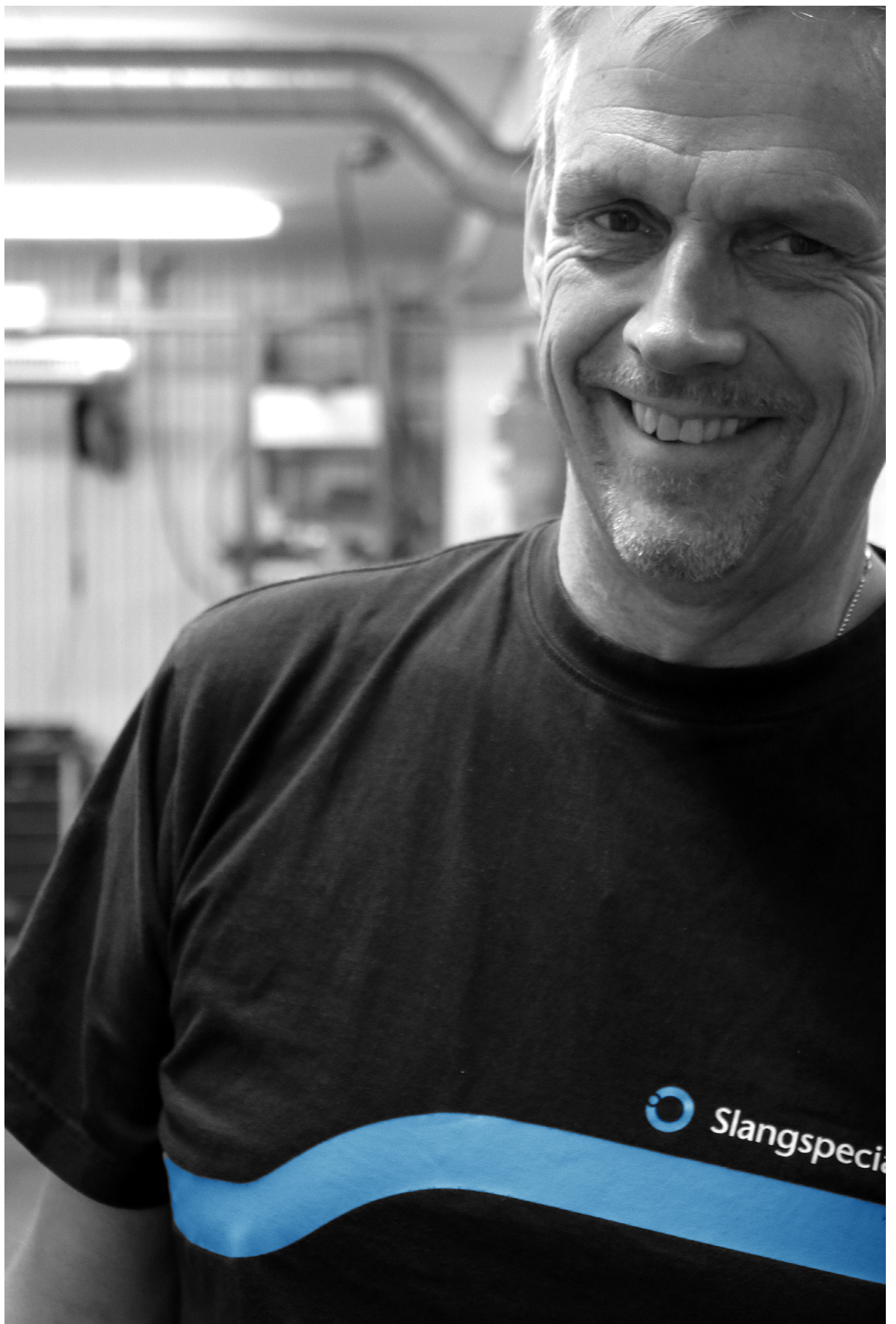


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All the **metal hoses** in this brochure are manufactured in accordance with current rules and regulations.





# METAL

## A DURABLE MATERIAL

The fully sealed construction of the metal hoses is based on a pleated inner tube that enables robust solutions for harsh environments and critical applications in the chemical industry. Metal hoses have good resistance to both low and high temperatures and can withstand high pressures combined with extreme temperatures. Metal hoses are often used to absorb oscillations, sounds, vibrations and other movements between different systems.

## LEARN MORE ABOUT STEEL

Stainless steel is available in different standards, with AISI 304 being the most common. The most common stainless steel construction material for everything from kitchen counters to dairies. The steel is weldable and reasonably resistant to corrosion in normal environments.

Type AISI 316 is a chromium-nickel stainless steel containing molybdenum. The addition increases the overall corrosion resistance and provides increased strength at elevated temperatures.

This stainless steel is often referred to as "acid-resistant" and is widely used in industrial environments. The major difference between acid-resistant and stainless steel is the molybdenum content, with acid-resistant containing a small amount of molybdenum and ordinary stainless containing no molybdenum at all.

AISI 321 is a titanium stabilized 18/8 steel. Titanium binds carbon and makes the steel more weldable.





## METAL HOSE

On our website you can read more about braiding, wave types and wall thickness. You can also take part in tips and advice about metal hose.

Welcome to visit at [www.slangspecialisten.se/i/slangguiden.html](http://www.slangspecialisten.se/i/slangguiden.html)

## APPLICATION

The many characteristics of the metal hose makes it suitable for many applications.

Metal hose is often used as a hose line for hot water, steam, hot oil, compressed air and gas. As a hose line, it is also ideal for aggressive media. Metal hose is also used as a gas line and for high-pressure gases. The hose can withstand full vacuum, even at elevated temperatures and works well for vibration damping.

## HOSE ASSEMBLY

All assembly and customization of metal hose, including welding, is carried out by authorized professionals in our workshop. We help you with complete hose solutions. Pre-assembled hoses with welded couplings, according to your needs.

You can affect the life of your metal hose by using it correctly:

- Working pressure
- Temperature
- Frequency of movement
- Assembly conditions
- Angles of movement



## FLEXIBLE SOLUTIONS

With more than 25 years of experience in solving our customers' problems, we can also help you with great confidence.

It often starts with a phone call or an email with a question. We sketch out a proposal that offers a solution to your needs. As soon as we agree, production begins. We make sure to use the right materials with full traceability and laser mark the product according to your wishes.

We stand for high quality, fast delivery and a cost-effective solution.



Hose neck with customized nut



Flange crossing



Dimensional change



We customize different adapters according to your needs.



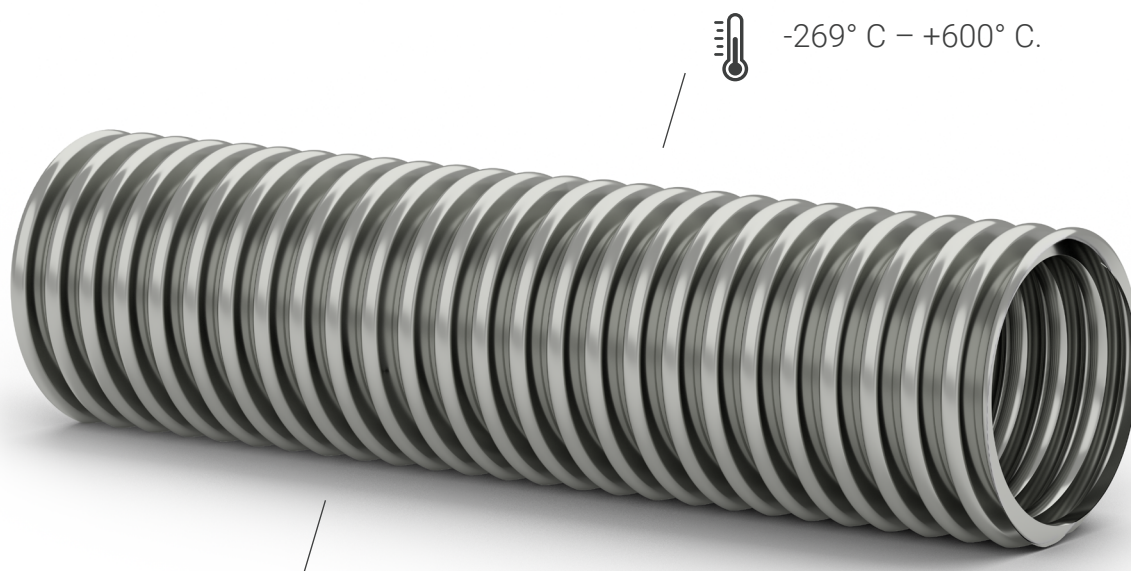
**”Full traceability  
and laser-marked  
products according to  
customer’s request”**





# PARALLEL FOLDED METAL HOSE WITHOUT RE-BRAIDING | 1603

Hose suitable for hot water, steam, hot oil, compressed air, oxygen, etc. Loading and unloading hose on tankers and tankers for liquid gases, chemicals and other cold or hot media. Vibration absorption unit mounted in the exhaust system of diesel or gasoline engines (dry systems).



-269° C – +600° C.

Stainless steel acid-resistant  
pleated metal



The geometry of the waveform, i.e. wave height, wave thickness and wave distance determine the flexibility of your hose.

i

LENGHT  
5-100m

Art No:	OD mm:	Weight kg/m	Nom ID mm	Nom WP	Nom. bend radius at dynamic installation	Nom. bend radius at fixed installation
1603-0006	9,6	-	6,1	18,0	60	15
1603-0008	12	-	8,2	13,0	124	16
1603-0010	14	0,15	10,5	9,0	130	18
1603-0013	17	0,16	12,2	7,0	140	20
1603-0016	22	0,25	16,2	5,0	160	28
1603-0019	27	0,28	20,3	3,0	170	32
1603-0025	32	0,38	25,4	2,5	190	40
1603-0032	41	0,42	34,3	2,0	260	50
1603-0040	50	0,70	40,0	2,0	300	60
1603-0050	61	0,88	50,2	1,0	320	70
1603-0065	78	1,25	65,3	1,0	460	115
1603-0080	95	1,75	80,2	2,0	660	130
1603-0100	116	2,10	100,0	1,5	750	160
1603-0125	152	3,25	127,5	1,0	750	325
1603-0150	158	4,00	151,5	0,8	850	375
1603-0200	227	6,98	200,0	0,8	950	260
1603-0250	282	11,33	250,0	0,6	1200	340
1603-0300	335	12,71	300,0	0,5	1600	420

# CORRUGATED METAL HOSE WIDE PITCH WITH BRAIDING | 1607

High pressure hose suitable for hot water, steam, hot oil, compressed air, oxygen, etc. Loading and unloading hose on tankers and tankers for liquid gases, chemicals and other cold or hot media. Vibration absorbing device mounted in the exhaust system of diesel or gasoline engines (dry systems).

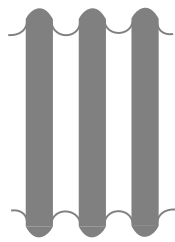


-269° C – +600° C

LENGHT  
10-100 m

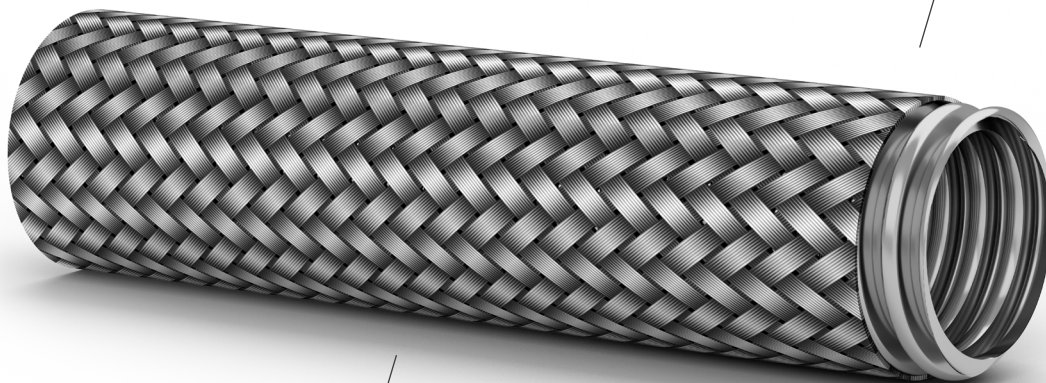
Art No:	OD mm:	Weight kg/m	Nom ID mm	Nom WP	Nom. bend radius at dynamic installation	Nom. bend radius at fixed installation
1607-0006	6,3	0,16	9,6	150	140	25
1607-0008	8,2	0,21	13,6	135	165	32
1607-0010	10,2	0,23	15,8	85	150	38
1607-0013	12,5	0,29	18,7	70	210	45
1607-0016	16,3	0,38	23,5	65	195	58
1607-0019	20,3	0,53	28,0	55	225	70
1607-0025	25,5	0,65	33,5	45	260	85
1607-0032	33,8	1,25	46,4	55	300	105
1607-0040	40,8	1,45	54,5	45	340	130
1607-0050	51,0	1,70	66,5	32	390	160
1607-0065	65,3	4,40	81,2	25	460	200
1607-0080	80,2	5,70	98,0	16	660	240
1607-0100	100,0	6,90	119,4	10	750	290





The wall thickness and braid affect the compressive strength. A thin wall thickness or a shorter corrugation gives a higher flexibility of the hose.

Re-braiding of AISI 304



Stainless steel acid-proof pleated  
metal hose AISI 316

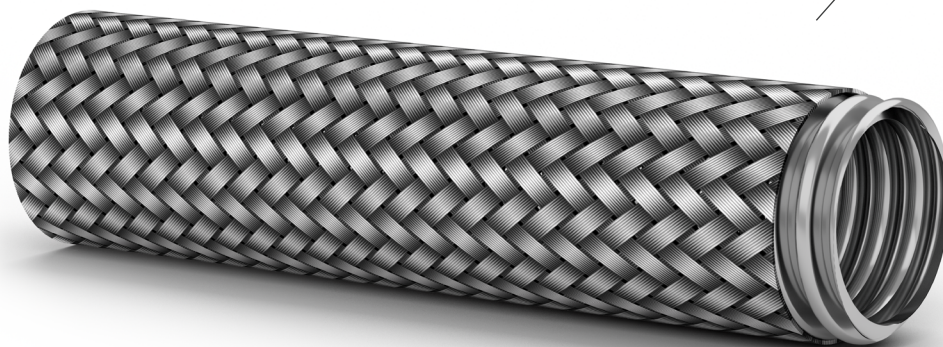
# CORRUGATED METAL HOSE NARROW PITCH | 1624

Suitable as high pressure hose for hot water, steam, hot oil, compressed air, oxygen, etc. Loading and unloading hose on tanker trucks and tankers for liquid gases, chemicals and other cold or hot media. Vibration absorbing device mounted in exhaust systems of diesel or gasoline engines (dry systems). Very suitable for repeated movements and strong vibration.



-269 °C – +600 °C

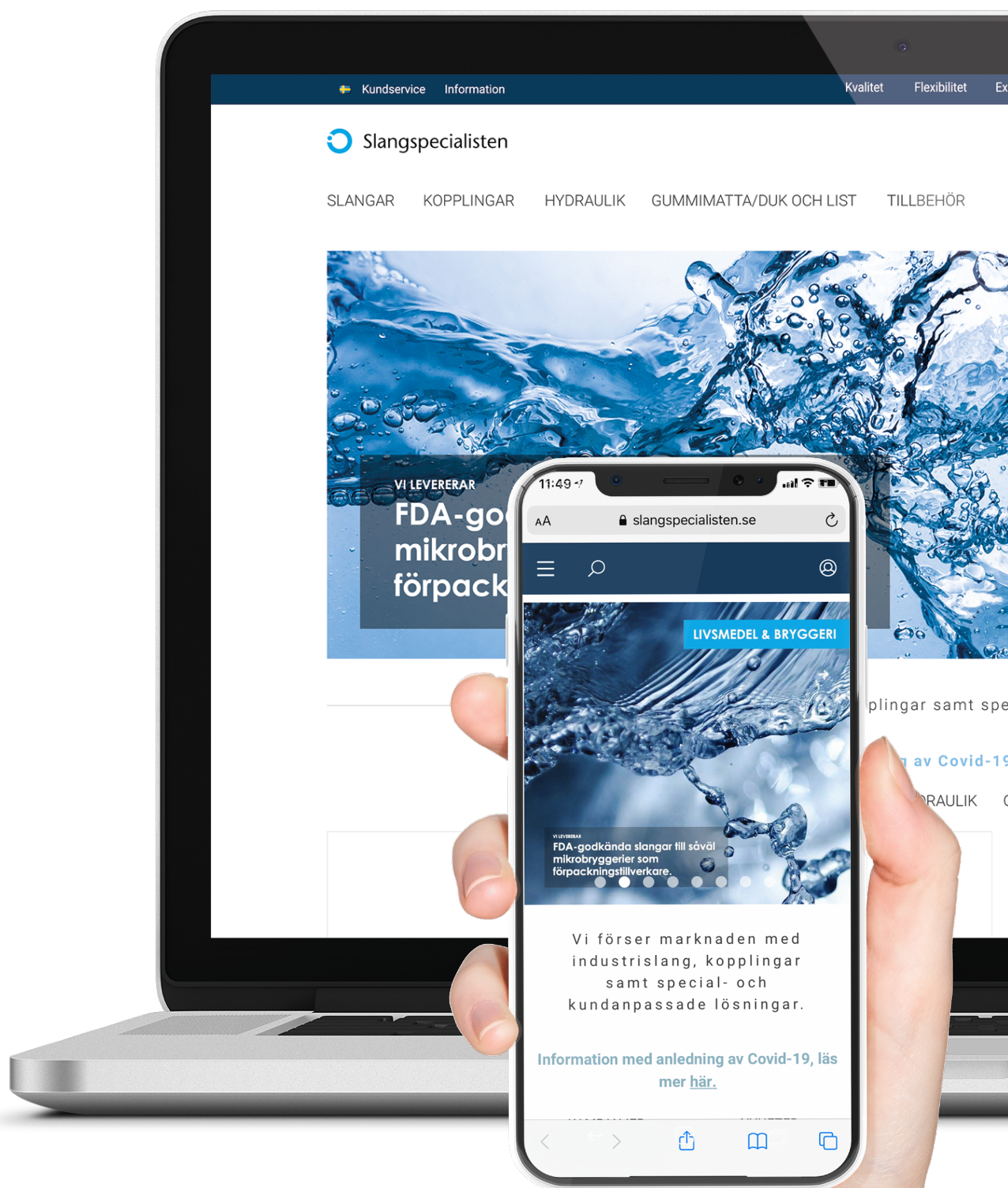
Tightly folded AISI 321 with one re-braid of AISI 304



LENGHT  
10-70 m

Art No:	OD mm:	Weight kg/m	Nom ID mm	Nom WP	Nom. bend radius at dynamic installation	Nom. bend radius at fixed installation
1624-0010	10,2	0,27	15,9	97	100	30
1624-0013	12,2	0,38	18,3	63	110	35
1624-0016	16,3	0,41	23,7	60	115	40
1624-0019	20,4	0,57	28,6	38	125	50
1624-0025	25,4	0,70	34,6	48	145	60
1624-0032	34,1	1,19	43,3	35	225	70
1624-0040	40,1	1,30	52,3	33	240	80
1624-0050	50,2	1,70	62,8	26	250	100

SHOP WHENEVER YOU WANT  
ON THE WEB OR ON YOUR MOBILE!





# EXHAUST HOSE STAINLESS STEEL | 1153



Gas and exhaust pipes where absolute tightness is not required, e.g. in exhaust systems on cars, boats, stationary engines, motorcycles, etc, where you want a certain mobility of the exhaust system.

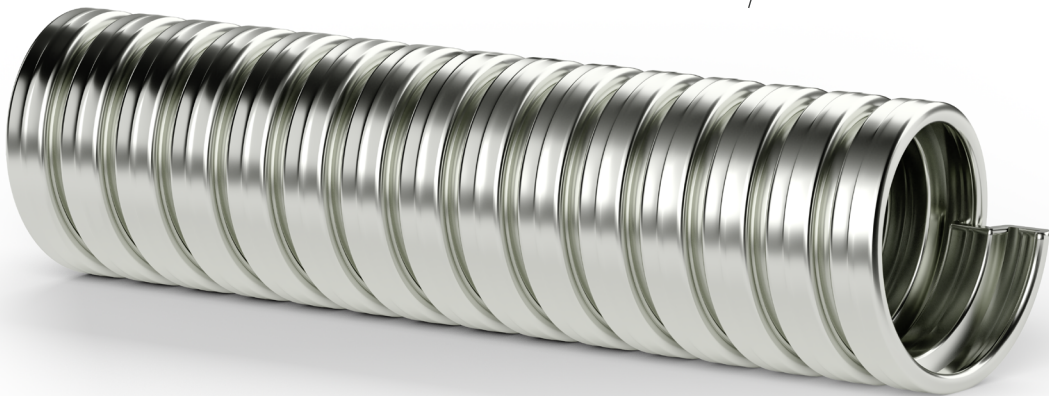
Art no	ID mm	Thickness m	OD mm	Bending radius.
1153-0022	22	2,3	26,5	115
1153-0025	25	2,3	29,5	130
1153-0032	32	2,3	36,5	160
1153-0040	40	3,0	46,0	200
1153-0045	45	3,0	51,0	225
1153-0050	50	3,0	56,0	250
1153-0055	55	3,0	61,0	265
1153-0060	60	3,0	66,0	275
1153-0065	65	3,0	71,0	285
1153-0070	70	3,0	76,0	300
1153-0075	75	3,0	81,0	310
1153-0080	80	3,0	86,0	320
1153-0090	90	3,0	96,0	345
1153-0100	100	3,0	106,0	375
1153-0110	110	3,0	116,0	400
1153-0115	115	3,0	121,0	415
1153-0125	125	3,0	131,0	435
1153-0150	150	3,5	157,0	500
1153-0180	180	3,5	187,0	570
1153-0200	200	3,5	207,0	620

## LEARN MORE ABOUT METAL

We have produced a guide so that you can learn more about the metal's strengths and areas of use.

Peek at [www.slangspecialisten.se/i/slangguiden.html](http://www.slangspecialisten.se/i/slangguiden.html)

 Max 700° C



Spiral wound with around cross section. Agraff profile without sealing.

Also suitable as external protection against wear and as a heat shield for hoses exposed to radiant heat.

# PYROJACKET | 1627

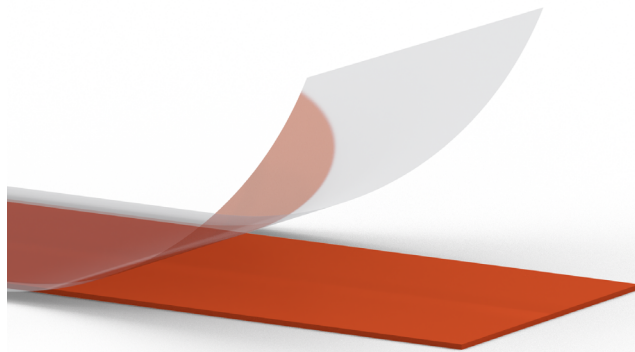
As a protective cover on hoses. Withstands high radiant heat.  
Made of silicone / fiberglass fabric.



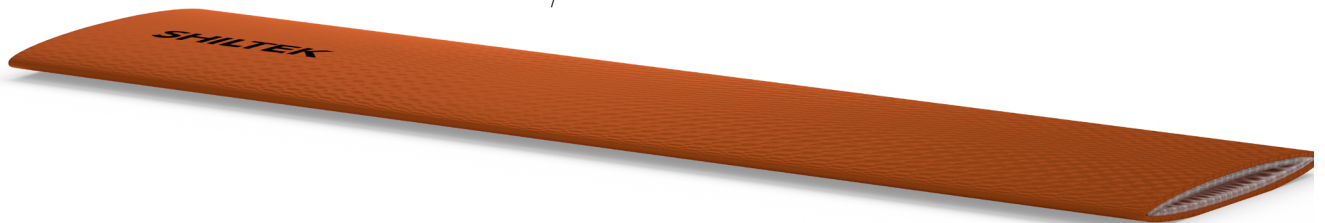
Art nr	ID mm	Godstjocklek	YD mm
1627-0010	10	4	18
1627-0013	13	4	21
1627-0016	16	4	24
1627-0019	19	4	27
1627-0022	22	4	30
1627-0025	25	4	33
1627-0028	28	4	36
1627-0032	32	4	40
1627-0035	35	4	43
1627-0038	38	4	46
1627-0041	41	4	49
1627-0044	44	4	52
1627-0050	51	4	59
1627-0057	57	4	65
1627-0069	70	4	78
1627-0076	76	4	84
1627-0089	89	4	97
1627-0095	95	4	103
1627-0127	127	4	135



As closure of the ends of  
Pyrojacket sock. Fastens against  
silicone and similar materials.



-55° C – +260° C.  
Max 15 minutes, +1090° C.



# CUSTOMIZED SPECIAL SOLUTION FOR CHOCOLATE

We call it the "chocolate hose", a special solution where the area of use is as yummy as the name sounds. When transporting chocolate, precise temperatures are required. The solution was a combination of two hoses. The inner tube that transports the chocolate is surrounded by a tube of hot water. By regulating the temperature of the water, you can control the process and thus keep the chocolate liquid.

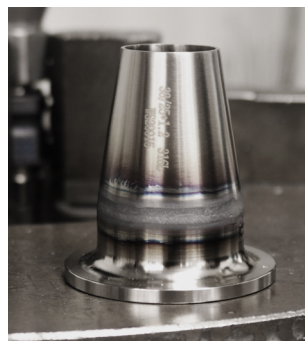
## TECHNICAL DESCRIPTION

The customer needed help to solve a problem in production. During the visit, they were able to look at the production process together and the customer told them where they had encountered problems. Our suggestion was to make a double-sheathed metal hose in order to be able to heat the chocolate to a temperature that keeps it liquid. After a productive and interesting customer visit, the information was taken back to the workshop. In discussions with the welding department, we determined how the hose should be made for best performance. As soon as the hose was ready, it was sent to the customer, who could quickly install it on site.

## STEP FOR STEP



Cone spot welded to the  
welding sleeve



Pre-welded cone



Polished cone

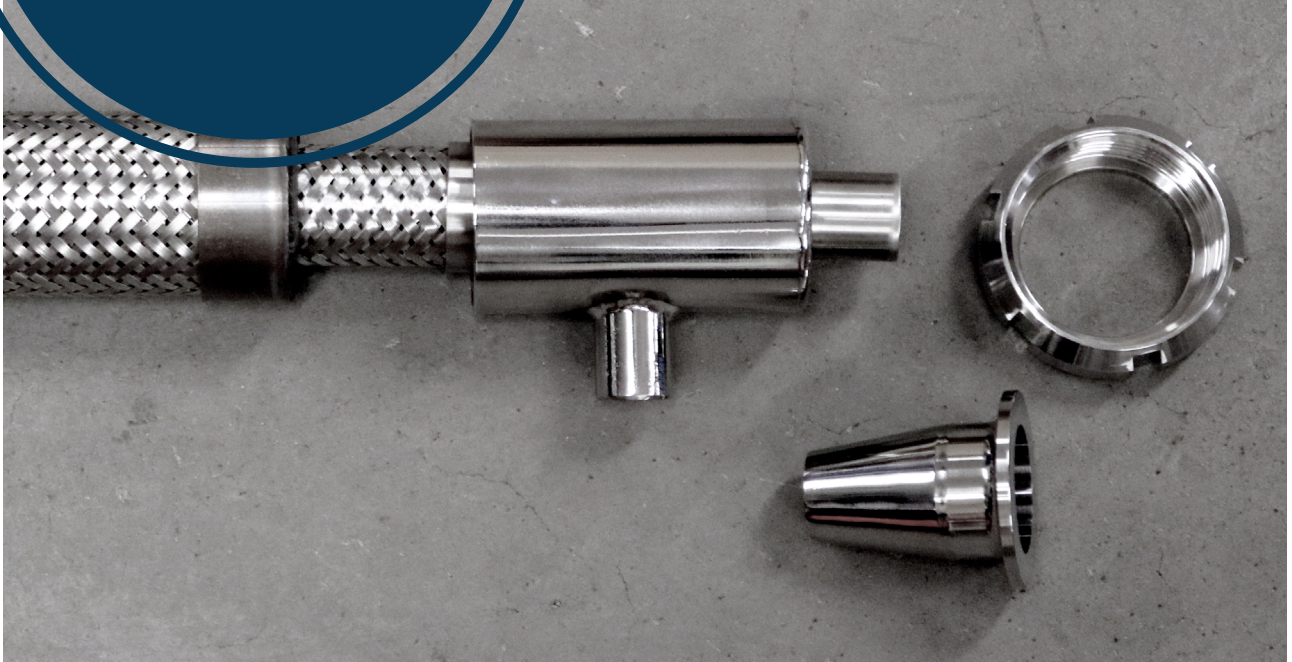


Manufacture of ancillary  
buildings



## THE RESULT!

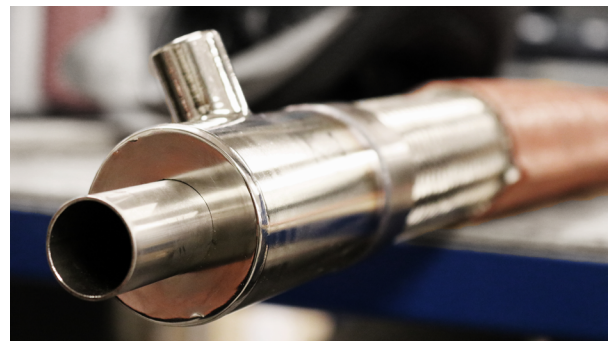
A FORMAL, TEMPERATURE-  
DURABLE AND TASTY  
CHOCOLATE FLOWER



Of course, we pressure test  
your hoses for 100% safe flows!



Of course, we will test print your hoses to ensure the tightness.  
We are happy to send you a test pressure certificate if you wish.



Finished connection house.





# Slangspecialisten

You are always welcome to call us or visit  
our service shop in Lund! 046- 211 26 00

