



NORRES INDUSTRIAL HOSES HOSES FOR ALL APPLICATIONS.



simply flexible

N

130 **NORRES**
Years 1889–2019



NORRES INDUSTRIAL HOSES HOSES FOR ALL APPLICATIONS.

About us

NORRES Group

NORRES, headquartered in Gelsenkirchen, Germany, is a global player and a leading manufacturer of technical hoses, hose systems and other innovative, high-performance plastic products. With production and sales office locations in the USA, Asia and Europe, NORRES is the trendsetter in constantly developing product and system innovations, many of which are protected by patents or utility models. As a well-established manufacturer with 130 years of tradition, NORRES is known for its customised solutions. The objective: NORRES customers save time and money thanks to efficiency and decisive product advantages.

NORRES product portfolio

NORRES offers its customers a comprehensive portfolio of standard products as well as made-to-measure products. NORRES' certification to ISO 9001 in Germany underlies the consistently high standard – from product development through to production to purchasing and logistics. NORRES products comply with a wide range of regulations such as the ATEX Directive, UL approvals, FDA conformity, EU directives and numerous others. Furthermore, NORRES offers convincing solutions in the field of cable protection systems and environmental

technology thanks to the use of high quality plastic materials such as Pre-PUR®. NORRES thus provides a comprehensive and unparalleled product portfolio with future-oriented solutions in the field of plastic hoses. The objective: Reliability, certified quality and a broad spectrum across all product segments.

NORRES innovations

An extremely high level of vertical manufacturing combined with an in-house engineering department with proven expertise in this field is the key qualification and the hallmark of NORRES within the industry. Innovations and standard products are designed to help you solve even the most complex technological challenges. The objective: Further extending our technological leadership to the benefit of our customers.

NORRES services

Know-how, individual consultation and quality are the distinctive features of our services: From consulting and modern logistics through to customer-specific marketing services. NORRES offers impressive performance. The objective: NORRES develops customised service packages that add real value for successful cooperation.

Take advantage of the competence and performance of the market leader in the field of technical hoses and hose systems. NORRES – simply flexible!

NORRES Group – expertise in quality and service

Founded in 1889, NORRES has 130 years of experience and tradition. Today, NORRES is a global player and leading manufacturer of technical hoses and hose systems: Highly abrasion proof Pre-PUR® polyurethane hoses, suction and transport hoses from PVC, TPE, PE, EVA, silicone etc., high temperature hoses up to 1,100 °C, electrically conductive and antistatic hoses, connecting elements and accessories, many certified products (e.g. ATEX Directive, EU Directives, FDA compliance, UL approvals and numerous others, customised solutions. NORRES products are available as suction and transport hoses and for transportation of bulk solids in the food and pharmaceutical industry, in agriculture, for mobile and stationary extraction systems, for machines in the wood and plastic industry, for municipal vehicles, as cable protection hose system in the electro-technical area and as energy-saving and long lasting membrane diffuser in sewage plants.

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OPERATIVE

customer portal

24h shipment

Immediate Availability – Instant Delivery service

**24 hour shipment service:**

Products with the NORRES "24 hour" icon should leave NORRES or a NORRES branch within the time specified based on the defined wall thickness of the hose. Should this dispatch time from NORRES exceed 24 hours, we will pay the delivery charges for this order (maximum of 100m/300 ft. per order).

**48 hours shipment service:**

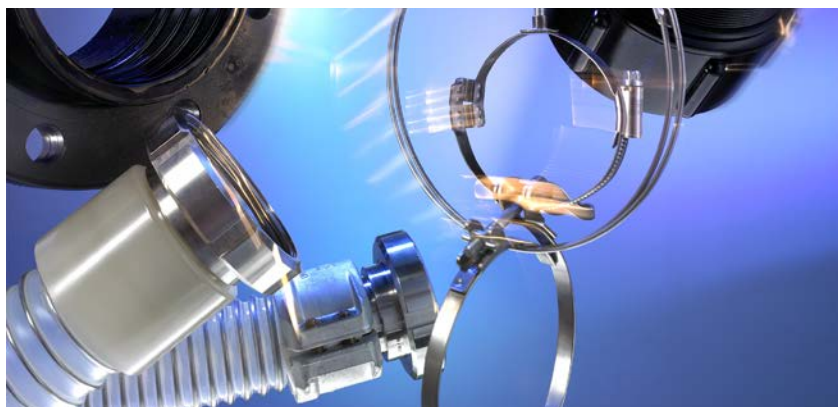
NORRES guarantees to ship these products in the below mentioned sizes within 48 hours (maximum of 100m/300 ft. per order) or we pay the freight.

Product	I.D. in / mm	Dimensions in stock m	Icon
PROTAPE® PUR 301 AS/ oder TIMBERDUC® PUR 531 AS	2"/ 50-51mm; 2.36"/ 60mm; 3"/ 75-76mm; 80mm; 3.5"/ 89-90mm; 4"/ 100-102mm; 5"/ 125-127mm; 6"/ 150-152mm; 8"/ 200-203mm; 250mm; 300mm	10	
PROTAPE® PUR 330 AS/ oder TIMBERDUC® PUR 532 AS	40mm; 2"/ 50-51mm; 2.36"/ 60mm; 3"/ 75-76mm; 80mm; 4"/ 100-102mm; 4.72"/ 120mm; 5"/ 125-127mm; 5.5"/ 140mm; 6"/ 150-152mm; 6.3"/ 160mm; 8"/ 200-203mm	10	
AIRDUC® PUR 350 AS/ oder TIMBERDUC® PUR 533 AS	40mm; 2"/ 50-51mm; 2.36"/ 60mm; 70mm; 3"/ 75-76mm; 80mm; 4"/ 100-102mm; 4.72"/ 120mm; 5"/ 125-127mm; 5.5"/ 140mm; 6"/ 150-152mm; 6.3"/ 160mm; 8"/ 200-203mm; 250mm; 300mm	10	
AIRDUC® PUR 355 AS	1"/ 25mm; 1.25"/ 32mm; 1.5"/ 38mm; 40mm; 2"/ 50-51mm; 2.36"/ 60mm; 2.5"/ 63-65mm; 70mm; 3"/ 75-76mm; 80mm; 4"/ 100-102mm; 6"/ 150-152mm	10	
AIRDUC® PUR 356 AS	40mm; 1.75"/ 44-45mm; 2"/ 50-51mm; 2.36"/ 60mm; 2.5"/ 63-65mm; 3"/ 75-76mm; 80mm; 3.5"/ 89-90mm; 4"/ 100-102mm; 5"/ 125-127mm; 6"/ 150-152mm	10	
PROTAPE® PVC 371	3"/ 75-76mm; 80mm; 4"/ 100-102mm; 5"/ 125-127mm; 6"/ 150-152mm; 6.3"/ 160mm; 7"/ 178-180mm; 8"/ 200-203mm; 10"	10	
NORPLAST® PUR 385 AS	1"/ 25mm; 1.25"/ 32mm; 1.5"/ 38mm; 40mm; 2"/ 50-51mm; 2.36"/ 60mm; 2.5"/ 63-65mm; 70mm; 3"/ 75-76mm; 80mm; 3.5"/ 89-90mm; 4"/ 100-102mm	20	
AIRDUC® TPE 363	1.5"/ 38mm; 40mm; 2"/ 50-51mm; 2.36"/ 60mm; 3"/ 75-76mm; 80mm; 4"/ 100-102mm	10	
SIL 391 TWO	1"/ 25mm; 1.5"/ 38mm; 1.75"/ 44-45mm; 2"/ 50-51mm; 2.5"/ 63-65mm; 3"/ 75-76mm; 80mm; 3.5"/ 89-90mm; 4"/ 100-102mm	4	
EVA 373 AS	1"/ 25mm; 1.25"/ 32mm; 1.36"/ 35mm; 1.5"/ 38mm; 40mm; 1.75"/ 44-45mm; 2"/ 50-51mm; 2.36"/ 60mm	30	
CP 450 - 487	1.5"/ 38mm; 40; 2"/ 50-51mm; 2.36"/ 60mm; 2.5"/ 63-65mm; 3"/ 75-76mm; 80mm; 3.5"/ 89-90mm; 4"/ 100-102mm; 110mm; 4.5"/ 114-115mm; 4.72"/ 120mm; 5"/ 125-127mm; 5.5"/ 140mm; 6"/ 150-152mm; 6.3"/ 160mm; 170mm; 7"/ 178-180mm; 8"/ 200-203mm; 225mm; 250mm; 300mm; 350mm; 400mm; 450mm; 500mm; 600mm; 700mm; 800mm; 900mm; 1000mm	3 6	

Assembly services

**48 hours assembly service:**

NORRES guarantees that the assembly of items marked with the "48 hour" icon will be done so within this time. Should this assembly time from NORRES exceed 48 hours then we will pay for the delivery charges of this order (max. of 10 pieces per order)



Modern logistics
Service Approach

Quality

mobile
Branch Categories

EXCELLENCE

Converter 48h assembly App

Customer Portal – Hose Finder – App NORRES – Mobile and worldwide presence

- The NORRES APP – The Essential for the hose professional, optimized for all mobile devices
- The NORRES converter – always the correct unit – metric and imperial
- The NORRES Hose Finder – Always the correct selection
- NORRES Customer Portal – exclusive for NORRES customers providing delivery and product information straight from our ERP system
- NORRES service promise: We keep our promise – despatch within 24 hours from our NORRES sites, 48 hours assembly time – for selective products and product lines



NORRES – services for our customers



- Expert advice and Quality
- Modern logistic concepts for optimised delivery time
- Efficient service packages for customer-specific concepts with sales value
- A competent partner for a sustainable, successful partnership
- Specialist custom made solutions for all types of hoses to meet customer requirements
- Extensive product range for all industries

NORRES – Technical online

- Productquality: Icons
- Constructions



- Technical information:

- Matrix - Technical Data
- Chemical Resistance Table
- Nominal Diameters Diagram
- Pressure Loss Data
- Electrostatic Charging Data
- Food Regulatory Approvals

- CE Certification
- VDA Listing
- Material Data Sheets
- Cut length and assembly information
- Standards and regulations
- Thread standards

- Ingress Protection (IP)
- Installation Guidelines
- Technical Terms and Definitions
- Conversion Tables
- REACH



Pre-PUR®: NORRES uses a special polyurethane mixture for several of its hoses that sets them apart from the majority of commercially available products as follows:

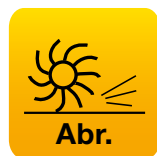
- Increased material strength
- Higher abrasion resistance
- Improved chemical resistance
- Higher softening points
- Increased heat resistance
- Increased flexibility at low temperatures



Antistatic and electrically conductive hoses: According to the new ATEX Directive, hoses with a discharge-capable (antistatic $<10^9 \Omega$) or electrically conductive ($<10^3 \Omega$ to $<10^6 \Omega$) wall should be used for combustible bulk materials as well as in hazardous areas. Please comply with all relevant regulations and standards and refer to the Technical Appendix for more details.



Medium: With our new icon "media" you can select the correct hose for any application at a glance. This icon "media" will help distinguish between different media such as vapors, liquids, dust and heavy abrasives. This innovative icon enables customer to easily select the correct hose or system for their application.



Abrasion resistant: NORRES hoses with this symbol have been specially developed to transport very abrasive media while maintaining a long service life.

- Precise construction for optimal strength reinforcement
- Specific materials chosen to provide superior material strength and abrasion resistance



Special wire adhesion: Hoses manufactured using our special, highly advanced, multi-stage adhesion process are marked with this symbol. The exceptionally long service life realised with these products – even when subjected to severe combined loads – would otherwise remain unattainable.



Crush resistant: NORRES hoses with this symbol are able to resist crushing either partially or completely when driven over or stepped on.

- good recovery properties

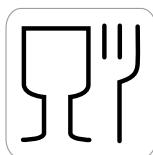


Cut lengths: NORRES provides excellent service to customers which includes cutting services on many NORRES hose products that are in stock. This added benefit can be utilized for a small fee to provide you with the hose length that suits your needs when production time is not an option.



Smooth interior: NORRES hoses bearing this icon have optimal flow properties and offer the following advantages:

- Very high delivery rate
- Low pressure loss (reduced blower power and lower operating costs)
- Gentler material transport
- Low wear and therefore longer service life



Glass / fork symbol: NORRES hoses bearing this symbol have been issued with an official approval from an independent testing institute for use in food applications in accordance with the EU Directive.



Vapors: This hose is suitable for air and fumes.



Dust: This hose is suitable for the transfer of dust and powders.



Liquids: This hose is suitable for liquid transfer.



Abrasives: This hose is suitable for the movement of abrasive media such as chips, shavings and grains.



High flexibility: This symbol is only used for NORRES hoses that require minimal force to flex.



Permanently antistatic: Thanks to a novel, innovative material from NORRES, all hoses marked with this symbol are permanently antistatic ($<10^9 \Omega$).



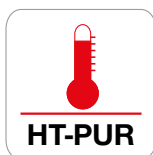
Microbe-resistant: Not all plastics withstand microbes. This is a critical element for extended contact with soil, organic substances or heavy contamination in conditions favorable to microbe growth. The chemical structure of this material is modified for resistance to microbial attack.



Patented: NORRES is one of the leading trendsetters and manufacturer of high quality technical hoses. A variety of NORRES hoses and systems have internationally registered patents. These products are marked with the NORRES "Patented Icon" providing NORRES customers unique products and solutions in the technical hose field. Customers can easily identify these hoses at a glance with this icon.



Approvals for use with foodstuffs: NORRES hoses with this symbol have one or more national and/or international approvals and certificates of conformity that allow them to be used in food applications.



HT-PUR: Pre-PUR® is improved even further with an innovative and patented process that increases the heat resistance and life of the hose.



Flame retardant: NORRES hoses with the flame retardant icon have one or more national and/or international approvals classifying them as flame retardant or self-extinguishing.



Phthalate-free: NORRES hoses with this symbol are 100% free of phthalates and softener.



Partially colored: Thanks to our patented production method, transparent hoses can be manufactured with a color stripe along the helix in a specified color. Strengthen your market position by utilising your corporate colors.



Pre-PUR®

makes the difference

Polyurethanes are not all the same!

As with all raw materials and finished goods, there are large differences in quality here as well.

For many of its hoses, NORRES uses a special mixture called Pre-PUR®, containing an ester-polyurethane or an ether-polyurethane. Compared to many other plastics, rubber formulations and “simple” polyurethanes, the block copolymers, which consist of hard and soft Pre-PUR® segments, have superior properties. The hard segments of Pre-PUR® provide extremely high mechanical stability, while at the same time the soft segments give the material high flexibility and dynamic load capacity.

Our hoses made from Pre-PUR® raw materials differ as follows from many of the hoses commercially available:

- NORRES Pre-PUR® consists of **special and high-quality, premium ester- and ether-polyurethanes**.
Choosing a polyurethane just one level of quality lower can cause a reduction of more than 30% in abrasion resistance.
The use of **high-purity** raw materials and a **narrow tolerance range** ensure a high level of quality.
 - excellent mechanical stability
 - low abrasion
 - excellent chemical and hydrolytic resistance
- NORRES Pre-PUR® has **extremely long molecular chains** (high molecular weight and a lot of crystalline domains and morphology). During chemical, hydrolytic and thermal degradation, molecular chains are generally shortened as a result of chain scission. Consequently, longer molecular chains generally result in longer service life. The length of the molecular chains is also a determining factor in the softening point of a hose. Thus products made from Pre-PUR® have above average residual strength when subjected to heat, while at the same time demonstrating better flexibility at low temperatures.
 - improved chemical and hydrolytic stability
 - higher softening points
 - greater residual strength at high temperatures
 - higher compression strength
 - greater safety due to material stability
 - better hot air aging properties
 - better low temperature flexibility
 - lower “bending force” when cold
 - lower risk of bending fracture at low temperatures

- NORRES Pre-PUR® contains **special stabilisers** for hose technology, developed in partnership with our raw material suppliers. Without these additives, hoses generally are more vulnerable to chemical, hydrolytic and thermal attack and occasionally wear out significantly faster.

- improved chemical and hydrolytic stability
- improved oxidation resistance
- better hot air aging properties
- improved resistance to weathering

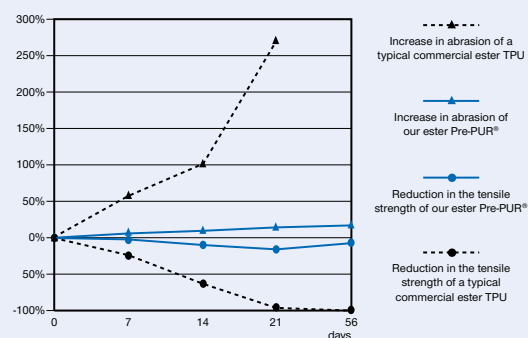
The ether-polyurethane Pre-PUR® used in many of our hoses has the following advantages over ester-polyurethane Pre-PUR® (and also over other ester-polyurethanes):

- Resistant to microbes (This is critical for extended contact with soil or similar substances or heavy contamination under conditions favourable to microbes. The chemical structure of ether-polyurethanes gives the materials permanent resistance to microbial attack. We believe this is clearly a better solution than ester-polyurethanes that are often stabilized with for health not completely harmless additives for this purpose. With these ester-polyurethanes there is a risk that the additive will leach out, causing the level to fall below that required for protection as the additive migrates to the surface of the hose and comes in contact with the user and the material transported.)
- Resistant to hydrolysis (This is critical for wet or humid applications at higher temperatures and for use in tropical climates.)
- Its chemical stability is far superior to ester-polyurethanes
- Its flexibility at low temperatures is superior to comparable ester-polyurethanes

In summary:

- longer service life
- greater safety
- significant added value and greater benefits

Ester Pre-PUR® versus Ester-TPU

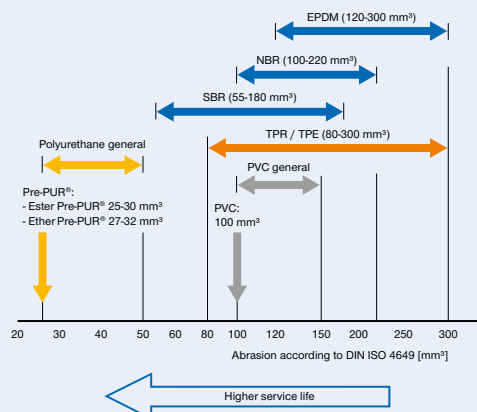


An example of stability:

Our high-quality Pre-PUR® raw materials with special stabilizers demonstrate considerably better stability and significantly longer service life than can be obtained with many other products.

An appropriate measure of this is hydrolysis testing in water at 80 °C, since the mechanism of chemical degradation of polyester-polyurethane is frequently hydrolysis of the polyester chains. Our ester Pre-PUR® is shown in Figure 1, compared with an other typical commercial ester TPU.

Abrasion resistance



Example of abrasion resistance:

According to standard tests, the abrasion resistance of our Pre-PUR® polyurethanes is about two and a half to five times higher than for many rubber raw materials and about three to four times higher than for many soft PVC's (measured at 20°C). In applications, the differences are frequently even greater, because the excellent damping and impact resilience of Pre-PUR® polyurethanes does not come into play with the standard test method.

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351	AIRDUC® PUR 351 FOOD	42
351 EC	AIRDUC® PUR 351 EC	29
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Food and Pharma

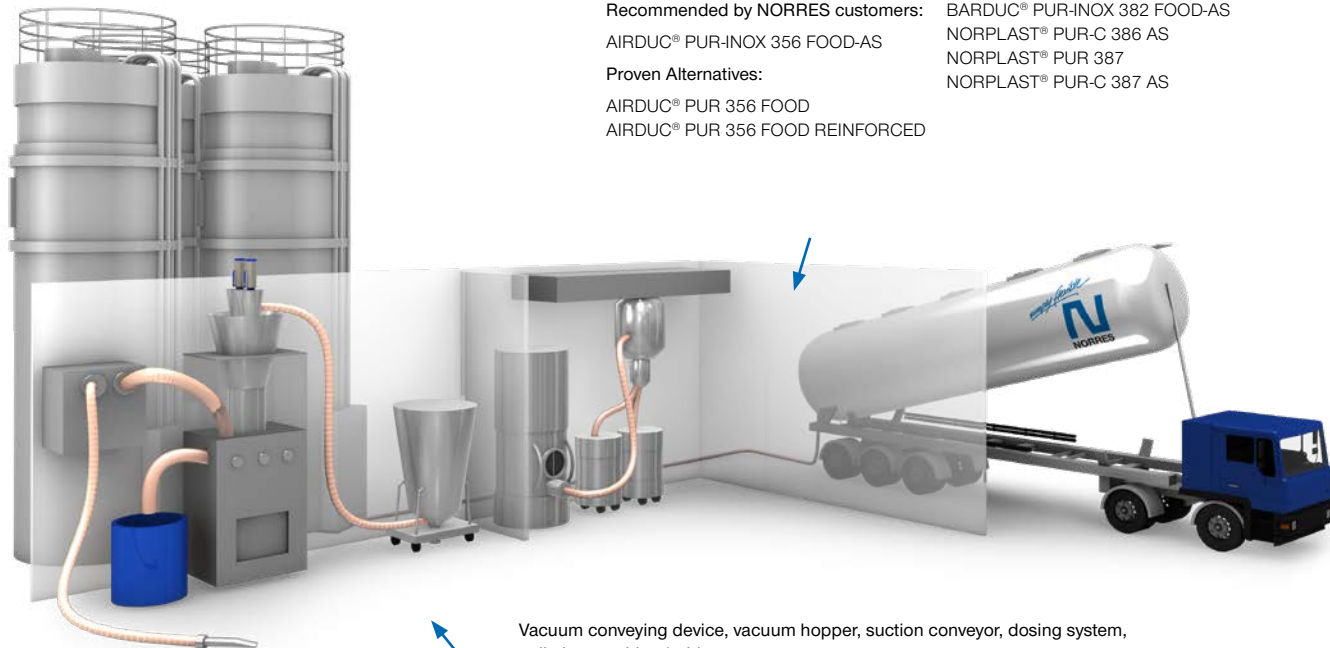
Silo, silo vehicle/ silo truck, tanker/ tank truck: Conveying of dry foods, e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

Recommended by NORRES customers: BARDUC® PUR-INOX 382 FOOD-AS
AIRDUC® PUR-INOX 356 FOOD-AS NORPLAST® PUR-C 386 AS

Proven Alternatives: NORPLAST® PUR-C 387
NORPLAST® PUR-C 387 AS

AIRDUC® PUR 356 FOOD

AIRDUC® PUR 356 FOOD REINFORCED



Vacuum conveying device, vacuum hopper, suction conveyor, dosing system, pelleting machine/ tablet press

Recommended by NORRES customers: AIRDUC® PUR 355 FOOD

AIRDUC® PUR-INOX 355 FOOD-AS AIRDUC® PUR 356 FOOD

AIRDUC® PUR-INOX 356 FOOD-AS

Proven Alternatives: BARDUC® PUR-INOX 382 FOOD-AS

AIRDUC® PUR 351 FOOD BARDUC® PVC 381 FOOD

AIRDUC® PUR-INOX 351 FOOD-AS



Mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill

Recommended by NORRES customers:

PROTAPE® PUR-C 335 FOOD-AS FLAT

AIRDUC® PUR-INOX 355 FOOD-AS

Proven Alternatives:

CP PUR 455 FOOD

PROTAPE® PUR 330 FOOD

AIRDUC® PUR 350 FOOD-AS

AIRDUC® PUR 351 FOOD

AIRDUC® PUR-INOX 351 FOOD-AS

AIRDUC® PUR 355 FOOD

AIRDUC® PUR 356 FOOD

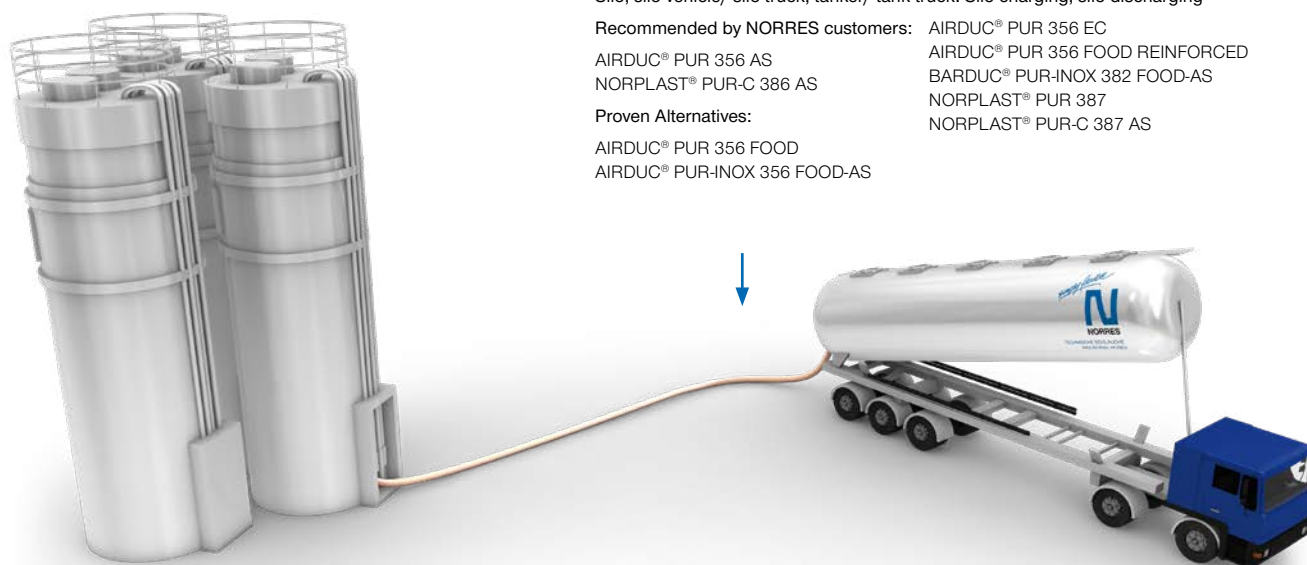
AIRDUC® PUR-INOX 356 FOOD-AS

AIRDUC® PE 362 FOOD

CP PTFE-INOX 475 FOOD



Raw material processing



Silo, silo vehicle/ silo truck, tanker/ tank truck: Silo charging, silo discharging

Recommended by NORRES customers: AIRDUC® PUR 356 EC
 AIRDUC® PUR 356 AS AIRDUC® PUR 356 FOOD REINFORCED
 NORPLAST® PUR-C 386 AS BARDUC® PUR-INOX 382 FOOD-AS
 NORPLAST® PUR 387
 Proven Alternatives: NORPLAST® PUR-C 387 AS

AIRDUC® PUR 356 FOOD
 AIRDUC® PUR-INOX 356 FOOD-AS

Screening machine/ sifting machine,
 vibration screening machine, tumbler
 screening machine, plansifter, windsifter

Recommended by NORRES customers:

PROTAPE® PUR-C 335 FOOD-AS FLAT

Proven Alternatives:

PROTAPE® PUR 301 AS

PROTAPE® PUR 330 AS

PROTAPE® PUR 330 FOOD

PROTAPE® PUR-INOX 330 FOOD-AS



Vehicle exhaust gas system

Vehicle exhaust gas extraction system: Hose reel, floorgrid and underfloor extraction system

Recommended by NORRES customers:

PROTAPE® TPE 326 MEMORY

Proven Alternatives:

PROTAPE® TPE 325 WEAR STRIP

CP HYP 450 PROTECT

CP ARAMID 461 PROTECT

CP HiTex 481



Engine test bench, exhaust gas measurement

Recommended by NORRES customers:

CP HiTex 481

CP Kapton® 476

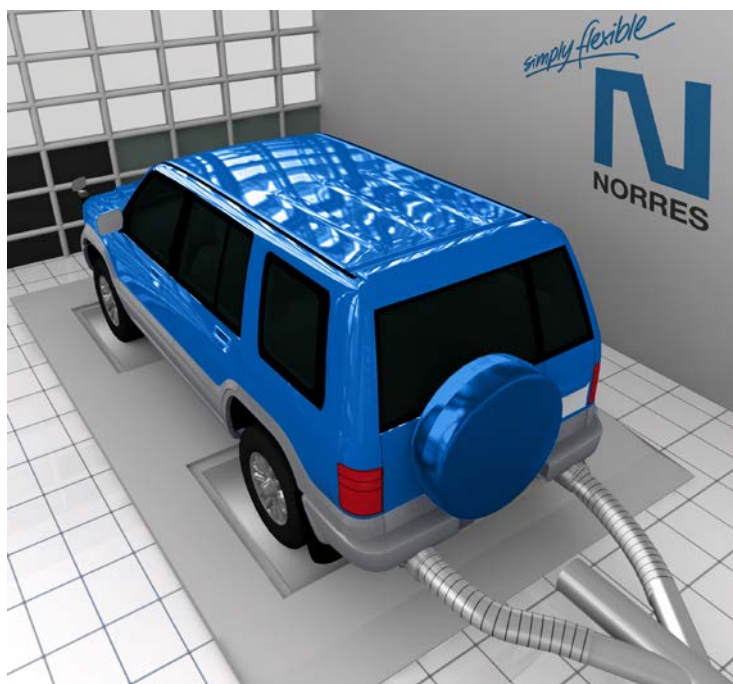
CP HiTex 486

CP HiTex 483

Proven Alternatives:

CP HiTex 485

CP HiTex 487



Automotive/ Vehicle industry

Industrial robot, robotic, welding equipment, welding robot, welding gun: Welding spot resistant hose, hose for dresspack for media as water and air

Recommended by NORRES customers:

NORFLEX® PUR 441 ROBOTIC

Proven Alternatives:

NORFLEX® PUR 401 WELDING



Plastics industry

Silo, silo vehicle/ silo truck, tanker/ tank truck: Silo charging, silo discharging

Recommended by NORRES customers:

AIRDUC® PUR 356 AS

NORPLAST® PUR-C 386 AS

Proven Alternatives:

AIRDUC® PUR 356 FOOD REINFORCED

Conveying of granulates and powders: Granulate conveying device, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine

Recommended by NORRES customers:

AIRDUC® PUR 355 AS

BARDUC® PVC 381 FOOD

NORPLAST® PVC-C 384 AS

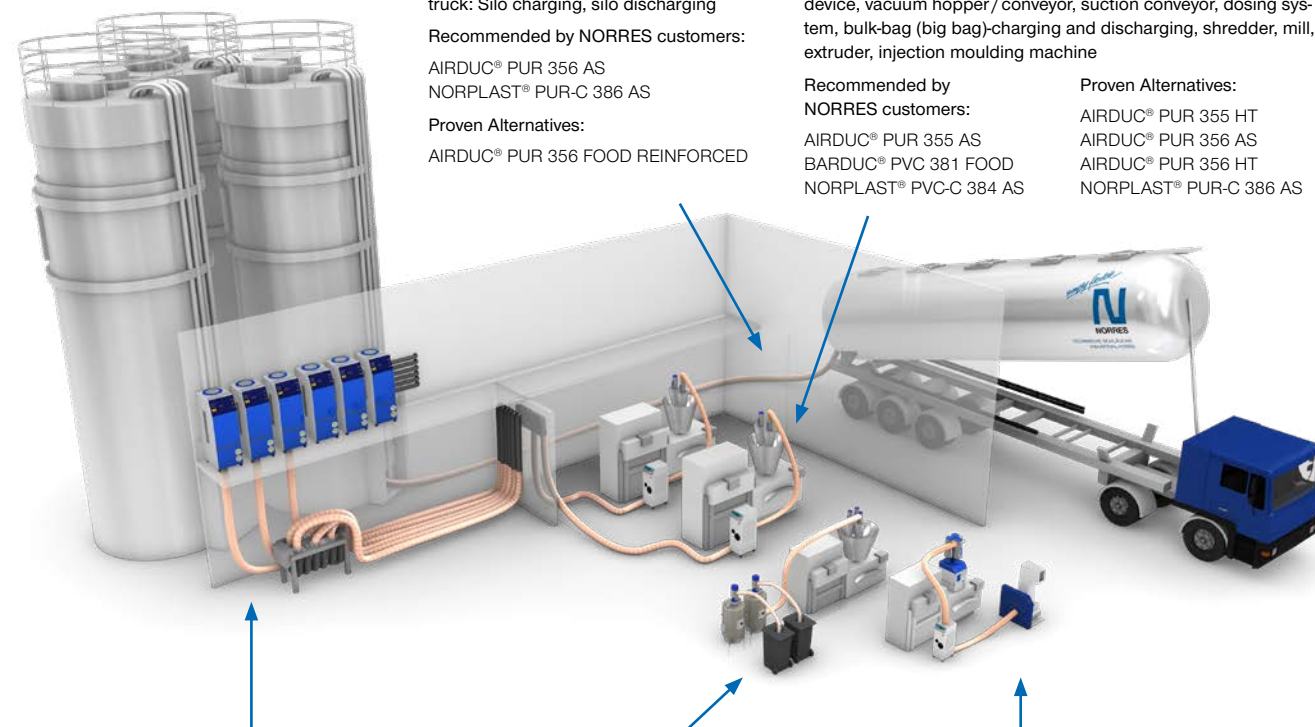
Proven Alternatives:

AIRDUC® PUR 355 HT

AIRDUC® PUR 356 AS

AIRDUC® PUR 356 HT

NORPLAST® PUR-C 386 AS



Granulate/ plastic dryer, hot air dryer

PROTAPE® TPE 321 REINFORCED

AIRDUC® TPE 363

NEO 390 ONE

NEO 390 TWO

SIL 391 ONE

SIL 391 TWO

Injection moulding tool cooling, cooling water supply

NORFLEX® PUR 441 FOOD

NORFLEX® PUR 441 ROBOTIC

NORFLEX® PVC 440

NORFLEX® PVC 440 HIGH PRESSURE

Film blowing machine, cooling air at the extrusion tool

AIRDUC® PUR 351 HT

AIRDUC® PUR 355 HT

PROTAPE® TPE 320

PROTAPE® TPE 321 REINFORCED

AIRDUC® TPE 363

NORFLEX® PUR 441 FOOD

NEO 390 ONE

NEO 390 TWO

Suction and Disposal Vehicles

Suction excavator

Recommended by NORRES customers:

AIRDUC® PUR 356 AS

Proven Alternatives:

AIRDUC® PUR 357 VAC-TRUCK

AIRDUC® PUR 355 VAC-TRUCK ORANGE



Suction vehicle:

Sewer cleaning, sewage cleaning

Recommended by NORRES customers:

NORPLAST® PVC 389 SUPERELASTIC

Proven Alternatives:

AIRDUC® PUR 356 AS

NORPLAST® PVC 379 GREEN SUPERELASTIC

NORPLAST® PVC 389 SUPERELASTIC PLUS

Vacuum truck, suction vehicle:

Roof gravelling, roof gravel conveying

Recommended by NORRES customers:

AIRDUC® PUR 356 AS

NORPLAST® PUR 387

Proven Alternatives:

AIRDUC® PUR 355 VAC-TRUCK
REINFORCED

Vacuum truck, suction vehicle, dry suction
truck: Industrial cleaning, furnace cleaning

Recommended by NORRES customers:

AIRDUC® PUR 356 AS

NORPLAST® PUR 387

Proven Alternatives:

AIRDUC® PUR 355 VAC-TRUCK REINFORCED

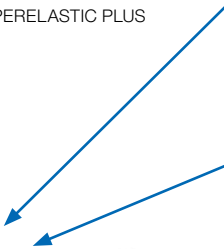
AIRDUC® PUR 356 EC

NORPLAST® PVC 389 SUPERELASTIC

NORPLAST® PVC 389 AS-SUPERELASTIC

NORPLAST® PVC 389 SUPERELASTIC PLUS

NORPLAST® PUR-C 387 AS



Industrial vacuum cleaners

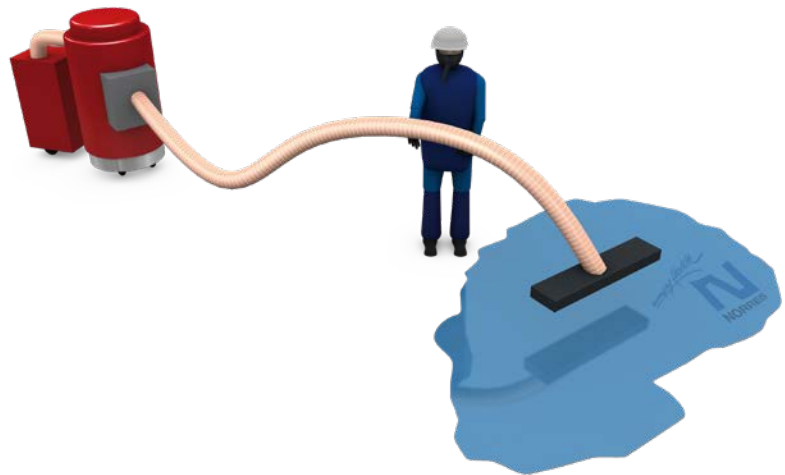
Industrial vacuum cleaners, vacuum cleaners

Recommended by NORRES customers:

AIRDUC® PUR 355 AS
AIRDUC® PUR 355 EC

Proven Alternatives:

AIRDUC® PUR-INOX 351 FOOD-AS
AIRDUC® PUR-INOX 355 FOOD-AS
AIRDUC® PUR 356 AS
SuperFlex 372
EVA 373
EVA 373 AS
EVA 373 EC



Fume and dust extraction

Extraction unit, dedusting system,
filter system, oil mist extraction

Recommended by NORRES customers:

PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
AIRDUC® PUR 350 AS

Proven Alternatives:

PROTAPE® PUR 330 AS BLACK
AIRDUC® PUR 350 AS BLACK
AIRDUC® PUR 351 FOOD
PROTAPE® PVC 310
AIRDUC® PVC 341

Galvanic extraction

PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
PROTAPE® PVC 310
AIRDUC® PVC 341
AIRDUC® PVC 345

Chemical industry: Chemical vapours,
vapour return hose at loading arm, paint
steam, spray mist extraction

Recommended by NORRES customers:

PROTAPE® PE 322 EC

Proven Alternatives:

PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
AIRDUC® PUR 350 AS
AIRDUC® PE 362 EC
CP PE 457
CP PE 457 EC
CP HYP 450
CP PTFE/HYP-INOX 472 EC
CP VITON® 459 EC
CP PTFE-INOX 475 FOOD
CP PTFE-INOX 475 EC
CP PTFE/HYP-INOX 472
CP PTFE/GLASS-INOX 471
CP PTFE/GLASS-INOX 471 EC
CP Kapton® 476

Extraction arm

Recommended by NORRES customers:

PROTAPE® PVC 371
PROTAPE® PVC 371 HT

Proven Alternatives:

PROTAPE® PUR 330 AS
PROTAPE® PUR-INOX 330 FOOD-AS
PROTAPE® PE 322 EC
CP PE 457 EC
PROTAPE® PUR 370
CP PVC 465
CP PVC 466 HT
CP HiTex 467 WELDING
CP PTFE-INOX 475 FOOD

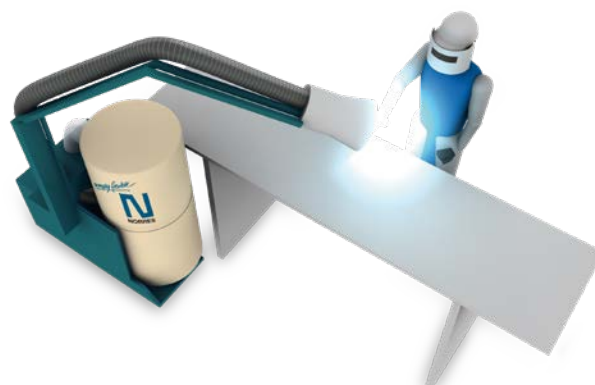
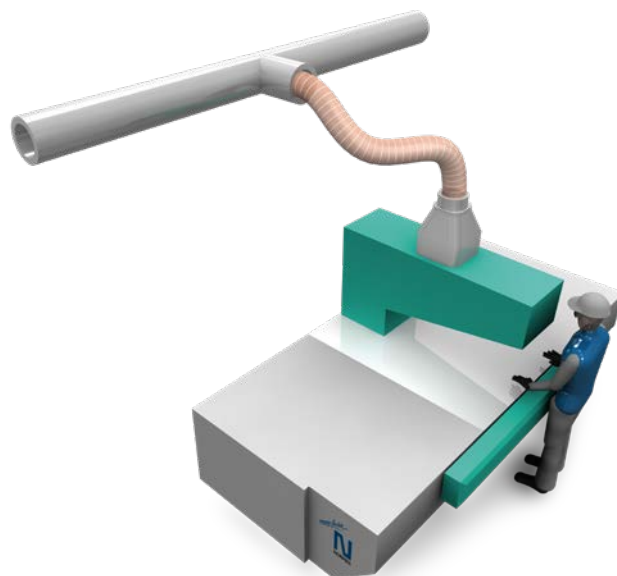
Welding fume extraction

Recommended by NORRES customers:

PROTAPE® PVC 371 HT
CP HiTex 467 WELDING

Proven Alternatives:

PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
PROTAPE® PUR 370
PROTAPE® PVC 371
CP PVC 465
CP PVC 466 HT



Shot blasting / sand blasting

Surface preparation: Shot blasting / sand blasting recovery
e.g. at blasting chamber, ship yard, stripping machine, floor
preparation machine, grinding machine

Recommended by NORRES customers:

AIRDUC® PUR 355 AS

Proven Alternatives:

PROTAPE® PUR 330 AS

AIRDUC® PUR 350 AS

AIRDUC® PUR 351 FOOD

AIRDUC® PUR 356 AS

NORPLAST® PUR 385 AS



Wood processing industry

Wood dust extraction, wood chips:

Furniture production, saw mill

Recommended by NORRES customers:

TIMBERDUC® PUR 531 AS

TIMBERDUC® PUR 532 AS

TIMBERDUC® PUR 532 CNC

TIMBERDUC® PUR 533 AS

Proven Alternatives:

PROTAPE® PUR 301 AS

PROTAPE® PUR 330 AS

AIRDUC® PUR 350 AS

AIRDUC® PUR 355 AS

NORPLAST® PUR 385 AS

METAL HOSE 375

METAL HOSE 375 HT

METAL HOSE INOX 376



Wood dust extraction:

CNC machine, CNC machining center
(especially for fast moving systems)

Recommended by NORRES customers:

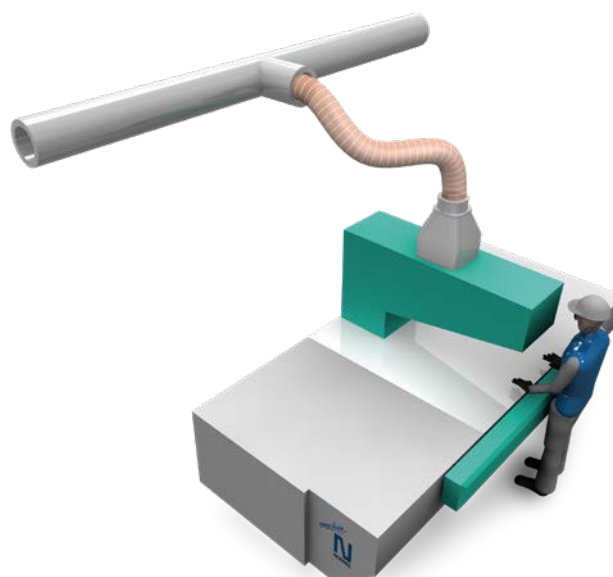
TIMBERDUC® PUR 532 CNC

Proven Alternatives:

TIMBERDUC® PUR 531 AS

PROTAPE® PUR 301 AS

PROTAPE® PUR 330 AS



Wood dust extraction: Vertical panel saw, saw,
woodworking machine, edge processing ma-
chine, parquet flooring grinding machine

Recommended by NORRES customers:

TIMBERDUC® PUR 532 AS

TIMBERDUC® PUR 533 AS

Proven Alternatives:

PROTAPE® PUR 301 AS

PROTAPE® PUR 330 AS

AIRDUC® PUR 350 AS

AIRDUC® PUR 355 AS

NORPLAST® PUR 385 AS

Agricultural industry

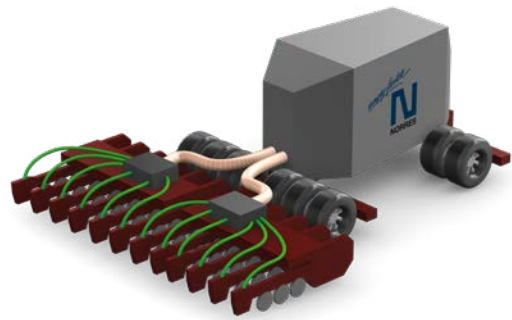
Conveying of seed and fertilizers:

Seeding machine, seed drill, drilling machine

AIRDUC® PUR 355 AS

AIRDUC® PUR 355 FOOD

NORPLAST® PVC 379 GREEN SUPERELASTIC



Pneumatic grain conveyer

Recommended by NORRES customers:

AIRDUC® PUR 355 AS

Proven Alternatives:

AIRDUC® PUR 355 FOOD

AIRDUC® PUR 356 AS

AIRDUC® PUR 356 FOOD



Irrigation, fertilizers, insecticides

BARDUC® PVC 381 FOOD

NORPLAST® PVC 383

NORPLAST® PVC 388 SUPERELASTIC

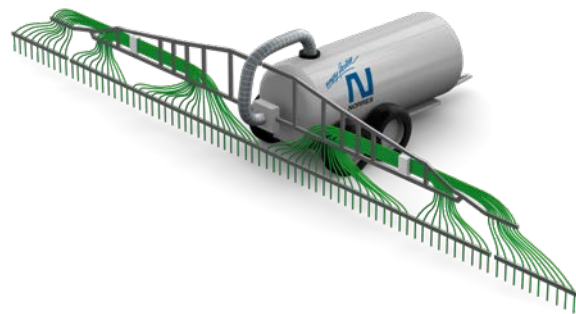
NORPLAST® PVC 380 GREEN

NORPLAST® PVC 379 GREEN SUPERELASTIC

NORPLAST® PVC 389 SUPERELASTIC

NORPLAST® PVC 389 SUPERELASTIC PLUS

NORFLEX® PVC 440 HIGH PRESSURE



High pressure spraying hose e.g. for pesticides

NORFLEX® PUR 441 ROBOTIC

NORFLEX® PVC 440 HIGH PRESSURE



Manure spreader, slurry spreader, slurry tanker

NORPLAST® PVC 379 GREEN SUPERELASTIC

NORPLAST® PVC 389 SUPERELASTIC

NORPLAST® PVC 389 SUPERELASTIC PLUS



Animal stall, animal shed: Barn ventilation

PROTAPE® PUR 301 AS

PROTAPE® PUR 330 AS

PROTAPE® PVC 310

PROTAPE® PVC 371



Animal stall, animal shed: Feedstuff conveying,
feedstuff plant, animal feed transport

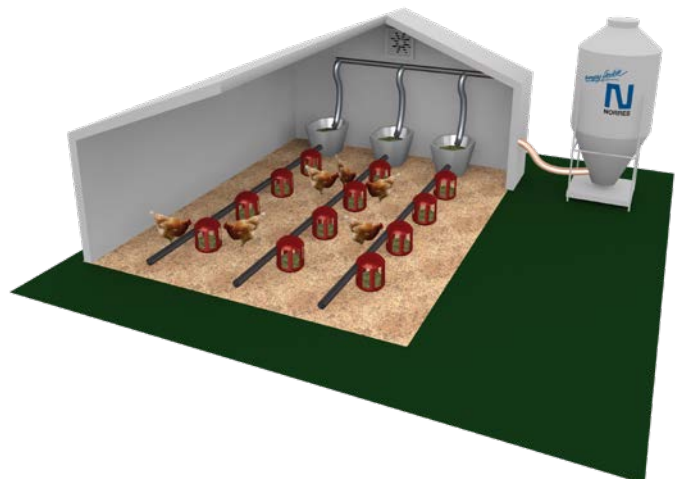


AIRDUC® PUR 351 FOOD

AIRDUC® PUR 355 FOOD

NORPLAST® PUR 385 AS

NORPLAST® PUR 387



Sweeping and cleaning machines

Municipal vehicle: Sweeper, sweeping machine

Recommended by NORRES customers:

AIRDUC® PUR 350 AS
 AIRDUC® PUR 351 FOOD
 AIRDUC® PUR 355 AS
 AIRDUC® PUR 355 SWEEPER
 AIRDUC® PUR 355 SWEEPER REINFORCED

Proven Alternatives:

PROTAPE® PUR 327 MEMORY
 PROTAPE® PUR 327 PP
 AIRDUC® PUR 355 VAC-TRUCK ORANGE
 NORPLAST® PUR 385 AS



Municipal vehicle: Lawn mower, slope mower, leaf blower / leaf collector

Recommended by NORRES customers:

AIRDUC® PUR 350 AS
 AIRDUC® PUR 351 FOOD

Proven Alternatives:

PROTAPE® PUR 327 MEMORY
 PROTAPE® PUR 327 PP
 AIRDUC® PUR 355 AS
 NORPLAST® PUR 385 AS





Polyurethane (Pre-PUR[®]) suction hoses and conveying hoses

Content

Multi purpose hoses, abrasion resistant

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PROTAPE[®] PUR 330 AS Antistatic polyurethane hose, light, microbe resistant + flame-retardant.....	-40°C to 90°C.....	23
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AIRDUC[®] PUR 350 AS Antistatic polyurethane hose, medium-heavy, microbe resistant + flame-retardant.....	-40°C to 90°C.....	25
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Polyurethane hoses, electrically conductive

AIRDUC[®] PUR 351 EC Electrically conductive polyurethane hose, medium-heavy.....	-40°C to 90°C.....	29
AIRDUC[®] PUR 355 EC Electrically conductive polyurethane hose, heavy.....	-40°C to 90°C.....	29
AIRDUC[®] PUR 356 EC Electrically conductive polyurethane hose, super-heavy.....	-40°C to 90°C.....	30

High-temperature polyurethane hoses

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AIRDUC[®] PUR 355 HT High-temperature hose, heavy.....	-40°C to 150°C.....	31
AIRDUC[®] PUR 356 HT High-temperature hose, super-heavy.....	-40°C to 150°C.....	31

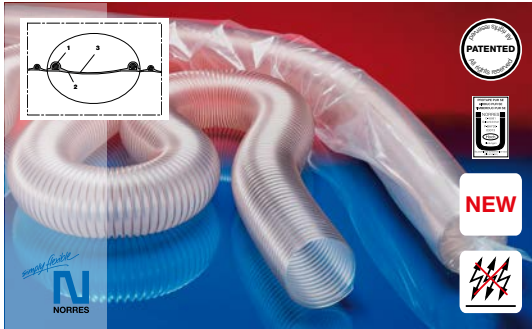
Polyurethane hoses, crush resistant

PROTAPE® PUR 327 MEMORY Crush resistant hose	-40°C to 90°C	32
PROTAPE® PUR 327 PP Crush resistant hose	-40°C to 90°C	32

Hoses for municipal vehicle, sweeper, suction excavator

AIRDUC® PUR 355 SWEEPER Sweeper hose, heavy, exterior folds, very flexible.....	-40°C to 90°C	33
AIRDUC® PUR 355 SWEEPER REINFORCED Sweeper hose, heavy and reinforced, interior folds	-40°C to 90°C	33
AIRDUC® PUR 355 VAC-TRUCK ORANGE Vacuum truck hose, heavy and reinforced, very flexible.....	-40°C to 90°C	34
AIRDUC® PUR 355 VAC-TRUCK REINFORCED Vacuum truck hose, heavy and reinforced.....	-40°C to 90°C	34
AIRDUC® PUR 357 VAC-TRUCK Vacuum truck hose, super-heavy and extremely reinforced.....	-40°C to 90°C	35

PROTAPE® PUR 301 AS



Antistatic polyurethane hose, super-light, microbe resistant + flame-retardant

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; extraction unit, dedusting system, filter system, oil mist extraction; extraction arm; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area; animal stall, animal shed: barn ventilation; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating; clean room ventilation, semiconductor production machine; bellows, compensators

Properties: super-light weight; highly flexible + compressible 3:1; abrasion-resistant; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; flame-retardant according to: UL94-HB; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to the safety regulations of the German Wood Trade Association; according to DIN 26057 Type 1; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

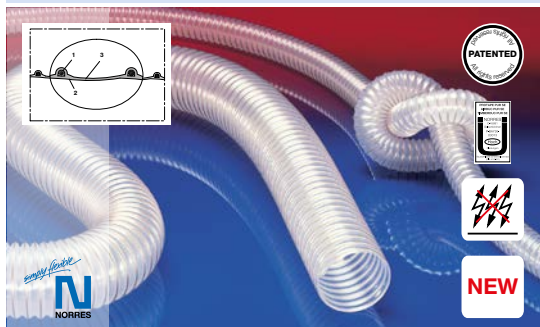
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 0,4 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
standard					
1,5 / 38	46	27	0,220	5 10 15	301-0038-0000
- / 40	48	28	0,230	5 10 15	301-0040-0000
1,75 / 44-45	53	31	0,255	5 10 15	301-0045-0000
2 / 50-51	58	33	0,280	5 10 15	301-0050-0000
2,36 / 60	68	38	0,340	5 10 15	301-0060-0000
2,5 / 63-65	73	40	0,360	5 10 15	301-0065-0000
- / 70	78	43	0,380	5 10 15	301-0070-0000
3 / 75-76	83	45	0,410	5 10 15	301-0075-0000
- / 80	88	48	0,440	5 10 15	301-0080-0000
3,5 / 89-90	98	53	0,490	5 10 15	301-0090-0000
4 / 100-102	108	58	0,510	5 10 15	301-0100-0000
- / 110	118	63	0,560	5 10 15	301-0110-0000
4,5 / 114-115	123	66	0,580	5 10 15	301-0115-0000
4,72 / 120	128	68	0,610	5 10 15	301-0120-0000
5 / 125-127	133	71	0,630	5 10 15	301-0125-0000
- / 130	138	73	0,660	5 10 15	301-0130-0000
5,5 / 140	148	78	0,710	5 10 15	301-0140-0000
6 / 150-152	158	83	0,760	5 10 15	301-0150-0000
6,3 / 160	168	88	0,810	5 10 15	301-0160-0000
6,5 / 165	173	91	0,830	5 10 15	301-0165-0000
7 / 178-180	188	98	0,900	5 10 15	301-0180-0000
8 / 200-203	208	108	1,030	5 10 15	301-0200-0000
- / 225	234	122	1,160	5 10	301-0225-0000
- / 250	259	136	1,280	5 10	301-0250-0000
10 / 254	263	144	1,300	5 10	301-0254-0000
11 / 280	289	149	1,430	5 10	301-0280-0000
- / 300	309	159	1,700	5 10	301-0300-0000
12 / 305	315	163	1,730	5 10	301-0305-0000
- / 315	325	168	1,790	5 10	301-0315-0000
- / 350	360	185	2,000	5 10	301-0350-0000
14 / 356	366	190	2,100	5 10	301-0356-0000
- / 400	410	210	2,260	5 10	301-0400-0000
- / 450	460	235	2,520	5 10	301-0450-0000
- / 500	510	260	2,780	5 10	301-0500-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: partially coloured, completely coloured; customer-specific branding; ID 1"/25mm – 12"/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID315 – 500mm not compressed

Accessories: 212, 217, 213, 228, 223, 270-271

PROTAPE® PUR 330 AS

**Antistatic polyurethane hose, light, microbe resistant + flame-retardant**

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; printed circuit board drilling machine (PCB); extraction unit, dedusting system, filter system, oil mist extraction; extraction arm; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area; textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine; animal stall, animal shed: barn ventilation; clean room ventilation, semiconductor production machine; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; heating hose: exterior hose as protection hose

Properties: lightweight and reinforced; highly flexible + compressible 3:1; abrasion-resistant; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; flame-retardant according to: UL94-HB; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance <10⁹ Ω; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to the safety regulations of the German Wood Trade Association; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

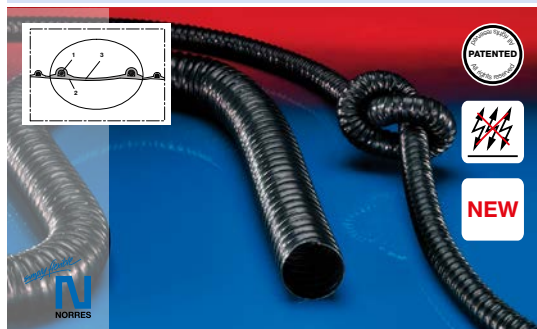
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 0,6 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
standard					
1 / 25	32	20	0,15	5 10 15	330-0025-1002
- / 30	37	22	0,18	5 10 15	330-0030-1002
1,25 / 32	39	23	0,19	5 10 15	330-0032-1002
1,5 / 38	45	26	0,22	5 10 15	330-0038-1002
- / 40	47	27	0,23	5 10 15	330-0040-1002
2 / 50-51	58	33	0,37	5 10 15	330-0050-1002
2,36 / 60	68	38	0,43	5 10 15	330-0060-1002
2,5 / 63-65	73	41	0,46	5 10 15	330-0065-1002
- / 70	78	43	0,5	5 10 15	330-0070-1002
3 / 75-76	83	46	0,53	5 10 15	330-0075-1002
- / 80	88	48	0,57	5 10 15	330-0080-1002
3,5 / 89-90	98	53	0,63	5 10 15	330-0090-1002
4 / 100-102	108	58	0,67	5 10 15	330-0100-1002
- / 110	118	63	0,73	5 10 15	330-0110-1002
4,5 / 114-115	123	66	0,76	5 10 15	330-0115-1002
4,72 / 120	128	68	0,79	5 10 15	330-0120-1002
5 / 125-127	133	71	0,83	5 10 15	330-0125-1002
- / 130	138	73	0,86	5 10 15	330-0130-1002
5,5 / 140	148	78	0,92	5 10 15	330-0140-1002
6 / 150-152	158	83	0,99	5 10 15	330-0150-1002
6,3 / 160	168	88	1,05	5 10 15	330-0160-1002
- / 170	178	93	1,11	5 10 15	330-0170-1002
- / 175	183	96	1,14	5 10 15	330-0175-1002
7 / 178-180	188	98	1,17	5 10 15	330-0180-1002
8 / 200-203	208	108	1,33	5 10 15	330-0200-1002
- / 225	233	121	1,48	5 10	330-0225-1002
- / 250	258	133	1,64	5 10	330-0250-1002
10 / 254	262	135	1,66	5 10	330-0254-1002
11 / 280	288	148	1,83	5 10	330-0280-1002
- / 300	309	159	2,14	5 10	330-0300-1002
12 / 305	314	162	2,17	5 10	330-0305-1002
- / 315	324	167	2,24	5 10	330-0315-1002
- / 350	359	184	2,49	5 10	330-0350-1002
14 / 356	365	187	2,53	5 10	330-0356-1002
- / 400	409	209	2,84	5 10	330-0400-1002
- / 450	459	234	3,19	5 10	330-0450-1002
- / 500	510	260	4,39	5 10	330-0500-1002

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

PROTAPE® PUR 330 AS BLACK



Antistatic polyurethane hose, light, black

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; extraction unit, dedusting system, filter system, oil mist extraction; extraction arm; explosion hazard area; textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine; animal stall, animal shed: barn ventilation; clean room ventilation, semiconductor production machine; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; heating hose: exterior hose as protection hose

Properties: lightweight and reinforced; highly flexible + compressible 3:1; abrasion-resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

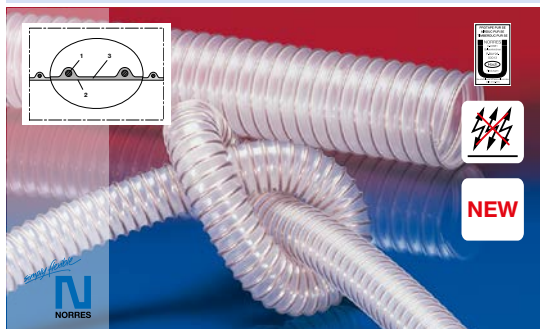
I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 40	47	27	0,23	10	330-0040-3030
2 / 50-51	58	33	0,37	10	330-0050-3030
2,36 / 60	68	38	0,43	10	330-0060-3030
3 / 75-76	83	46	0,54	10	330-0075-3030
- / 80	88	48	0,57	10	330-0080-3030
4 / 100-102	108	58	0,68	10	330-0100-3030
4,72 / 120	128	68	0,8	10	330-0120-3030
5 / 125-127	133	71	0,84	10	330-0125-3030
5,5 / 140	148	78	0,92	10	330-0140-3030
6 / 150-152	158	83	1	10	330-0150-3030
6,3 / 160	168	88	1,05	10	330-0160-3030
8 / 200-203	208	108	1,34	10	330-0200-3030

Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 0,6 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

AIRDUC® PUR 350 AS


Antistatic polyurethane hose, medium-heavy, microbe resistant + flame-retardant

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; printed circuit board drilling machine (PCB); offset printing machine: air supply, air supply cabinet; air supply: UV dryer, IR dryer; extraction unit, dedusting system, filter system, oil mist extraction; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area; textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine; animal stall, animal shed: barn ventilation; clean room ventilation, semiconductor production machine; compressor, side channel blower, vacuum pump, pressure pump, pump; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; municipal vehicle: sweeper, sweeping machine; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector; scrubber, floor cleaning machine; heating hose: exterior hose as protection hose

Properties: medium-heavy duty; highly abrasion resistant; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; flame-retardant according to: UL94-V2; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \times 10^8 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to the safety regulations of the German Wood Trade Association; according to DIN 26057 Type 2; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

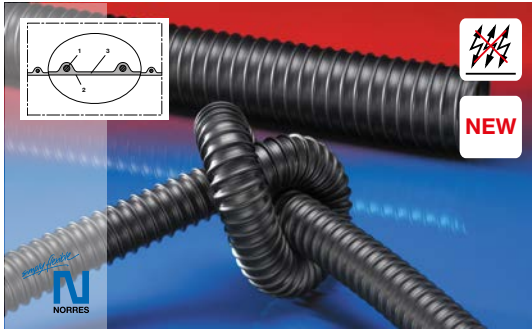
I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	32	23	0,190	5 10 15	350-0025-1002
- / 30	37	26	0,250	5 10 15	350-0030-1002
1,25 / 32	39	27	0,270	5 10 15	350-0032-1002
1,5 / 38	45	31	0,310	5 10 15	350-0038-1002
- / 40	47	32	0,330	5 10 15	350-0040-1002
1,75 / 44-45	52	35	0,370	5 10 15	350-0045-1002
2 / 50-51	57	38	0,400	5 10 15	350-0050-1002
- / 55	62	41	0,440	5 10 15	350-0055-1002
2,36 / 60	67	44	0,480	5 10 15	350-0060-1002
2,5 / 63-65	70	47	0,520	5 10 15	350-0065-1002
- / 70	77	50	0,560	5 10 15	350-0070-1002
3 / 75-76	82	53	0,590	5 10 15	350-0075-1002
- / 80	87	56	0,640	5 10 15	350-0080-1002
3,5 / 89-90	97	62	0,720	5 10 15	350-0090-1002
4 / 100-102	107	68	0,800	5 10 15	350-0100-1002
- / 110	117	74	0,870	5 10 15	350-0110-1002
4,5 / 114-115	122	77	0,900	5 10 15	350-0115-1002
4,72 / 120	127	80	0,950	5 10 15	350-0120-1002
5 / 125-127	132	83	0,980	5 10 15	350-0125-1002
- / 130	137	86	1,010	5 10 15	350-0130-1002
5,5 / 140	147	92	1,090	5 10 15	350-0140-1002
6 / 150-152	157	98	1,400	5 10 15	350-0150-1002
6,3 / 160	167	104	1,500	5 10 15	350-0160-1002
- / 170	177	108	1,580	5 10 15	350-0170-1002
- / 175	182	113	1,630	5 10 15	350-0175-1002
7 / 178-180	187	116	1,670	5 10 15	350-0180-1002
8 / 200-203	207	128	1,860	5 10	350-0200-1002
- / 225	232	143	2,080	5 10	350-0225-1002
- / 250	257	158	2,310	5 10	350-0250-1002
10 / 254	261	160	2,350	5 10	350-0254-1002
- / 275	282	173	2,540	5 10	350-0275-1002
11 / 280	287	176	2,590	5 10	350-0280-1002
- / 300	307	188	2,770	5 10	350-0300-1002
12 / 305	312	191	2,810	5 10	350-0305-1002
- / 315	322	197	2,900	5 10	350-0315-1002
- / 350	357	218	3,220	5 10	350-0350-1002
14 / 356	363	222	3,340	5 10	350-0356-1002
- / 400	407	248	4,170	5 10	350-0400-1002
- / 450	457	281	4,690	5 10	350-0450-1002
- / 500	507	313	5,200	5 10	350-0500-1002

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 0,7 mm approx.

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 233, 234, 247, 249, 240+241, 240 EC, 242, 243, 244, 245, 246, 223, 270-271

AIRDUC® PUR 350 AS BLACK



Antistatic polyurethane hose, medium-heavy, black

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; air supply: UV dryer, IR dryer; extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine; animal stall, animal shed: barn ventilation; clean room ventilation, semiconductor production machine; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; heating hose: exterior hose as protection hose

Properties: medium-heavy duty; highly abrasion resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^8 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 2; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

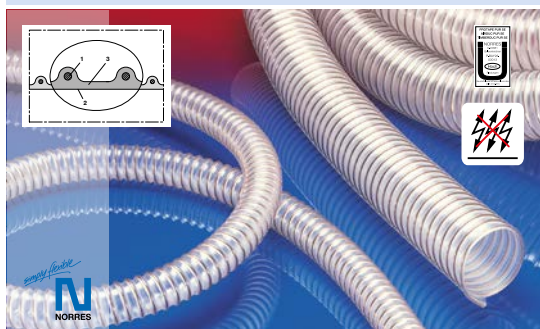
I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 40	47	32	0,330	10	350-0040-3030
2 / 50-51	57	38	0,400	10	350-0050-3030
2,36 / 60	67	44	0,480	10	350-0060-3030
- / 70	77	50	0,560	10	350-0070-3030
3 / 75-76	82	53	0,590	10	350-0075-3030
- / 80	87	56	0,640	10	350-0080-3030
4 / 100-102	107	68	0,800	10	350-0100-3030
4,72 / 120	127	80	0,950	10	350-0120-3030
5 / 125-127	132	83	0,980	10	350-0125-3030
5,5 / 140	147	92	1,090	10	350-0140-3030
6 / 150-152	157	98	1,400	10	350-0150-3030
6,3 / 160	167	104	1,500	10	350-0160-3030
8 / 200-203	207	128	1,860	10	350-0200-3030
- / 250	257	158	2,310	10	350-0250-3030
- / 300	307	188	2,770	10	350-0300-3030

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 0,7 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); special colours: full coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 233, 234, 247, 249, 240+241, 240 EC, 242, 243, 244, 245, 246, 223, 270-271

AIRDUC® PUR 355 AS


Antistatic polyurethane hose, heavy, microbe resistant + flame-retardant

Applications: flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; printed circuit board drilling machine (PCB); powder spraying, powder coating: e.g. printing industry; offset printing machine: air supply, air supply cabinet; industrial vacuum cleaners, vacuum cleaners; explosion hazard area; agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine; agricultural industry: pneumatic grain conveyor; construction industry, road milling machine; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; compressor, side channel blower, vacuum pump, pressure pump, pump; paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; municipal vehicle: sweeper, sweeping machine; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector; vacuum lifting equipment, vacuum handling system

Properties: heavy duty; highly abrasion resistant; increased pressure and vacuum resistance; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; flame-retardant according to: UL94-V2; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to the safety regulations of the German Wood Trade Association; according to DIN 26057 Type 3; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

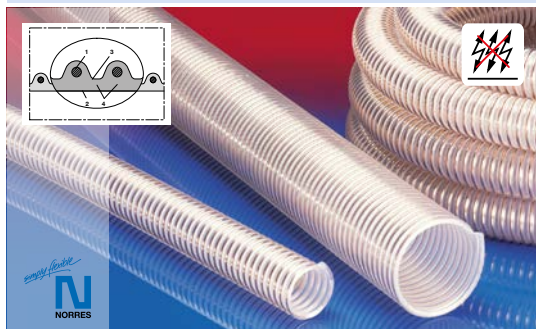
I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 13	20	14	0,140	5 10 15	355-0013-0000
5/8 / 16	23	15	0,160	5 10 15	355-0016-0000
- / 18	25	16	0,170	5 10 15	355-0018-0000
- / 20	27	17	0,230	5 10 15 20	355-0020-0000
- / 22	29	18	0,250	5 10 15	355-0022-0000
1 / 25	32	20	0,280	5 10 15 20	355-0025-0000
- / 30	40	25	0,420	5 10 15	355-0030-0000
1,25 / 32	42	26	0,440	5 10 15 20	355-0032-0000
1,36 / 35	45	28	0,480	5 10 15	355-0035-0000
1,5 / 38	48	29	0,520	5 10 15 20	355-0038-0000
- / 40	50	30	0,540	5 10 15 20	355-0040-0000
- / 42	52	31	0,560	5 10 15	355-0042-0000
1,75 / 44-45	55	33	0,600	5 10 15	355-0045-0000
2 / 50-51	60	35	0,660	5 10 15 20 25	355-0050-0000
- / 55	65	38	0,720	5 10 15	355-0055-0000
2,36 / 60	70	40	0,780	5 10 15 20	355-0060-0000
2,5 / 63-65	75	43	0,840	5 10 15 20	355-0065-0000
- / 70	81	62	0,980	5 10 15	355-0070-0000
3 / 75-76	86	66	1,050	5 10 15	355-0075-0000
- / 80	91	69	1,110	5 10 15	355-0080-0000
3,5 / 89-90	101	76	1,250	5 10 15	355-0090-0000
4 / 100-102	111	83	1,490	5 10 15	355-0100-0000
- / 110	121	90	1,630	5 10 15	355-0110-0000
4,5 / 114-115	126	94	1,680	5 10 15	355-0115-0000
4,72 / 120	131	97	1,770	5 10 15	355-0120-0000
5 / 125-127	136	101	1,840	5 10 15	355-0125-0000
- / 130	141	104	1,910	5 10 15	355-0130-0000
5,5 / 140	151	111	2,030	5 10 15	355-0140-0000
6 / 150-152	161	118	2,410	5 10 15	355-0150-0000
6,3 / 160	171	125	2,560	5 10 15	355-0160-0000
- / 170	181	132	2,720	5 10 15	355-0170-0000
- / 175	186	136	2,790	5 10 15	355-0175-0000
7 / 178-180	191	139	2,870	5 10 15	355-0180-0000
8 / 200-203	213	156	3,120	5 10 15	355-0200-0000
- / 225	238	174	3,500	5 10	355-0225-0000
- / 250	263	191	3,880	5 10 15	355-0250-0000
10 / 254	267	194	3,950	5 10 15	355-0254-0000
- / 275	288	209	4,255	5 10	355-0275-0000
11 / 280	293	212	4,330	5 10	355-0280-0000
- / 300	313	226	5,160	5 10	355-0300-0000
12 / 305	318	230	5,245	5 10	355-0305-0000
- / 315	328	237	5,410	5 10	355-0315-0000
- / 325	338	244	5,580	5 10	355-0325-0000
13 / 330	343	247	5,670	5 10	355-0330-0000
- / 350	363	261	6,000	5 10	355-0350-0000
- / 400	413	296	8,020	5 10	355-0400-0000
- / 450	463	331	9,000	5 10	355-0450-0000
- / 500	514	367	10,000	5 10	355-0500-0000

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 1,4 - 1,5 mm approx.

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 216, 212 EC, 217, 213, 228, 231, 232, 233, 234, 240+241, 242, 243, 244, 245 VAC-TRUCK, 245, 246, 223, 270-271

AIRDUC® PUR 356 AS



Antistatic polyurethane hose, super-heavy, microbe resistant

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; suction vehicles: roof gravelling, roof gravel conveying; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; suction excavator; explosion hazard area; agricultural industry: pneumatic grain conveyor; concrete pump: outlet hose, discharge hose; construction industry: rock drill, rock drilling machine; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; compressor, side channel blower, vacuum pump, pressure pump, pump; paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder

Properties: super-heavy duty; extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch; very high pressure, vacuum and compression resistance; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 4; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

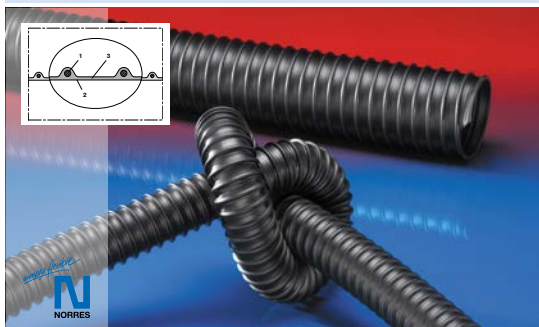
I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,25 / 32	43	5,235	1,000	90	0,680	10 15	356-0032-0000
1,5 / 38	49	4,475	1,000	104	0,790	10 15	356-0038-0000
- / 40	51	4,270	1,000	109	0,820	10 15	356-0040-0000
1,75 / 45	56	3,825	1,000	129	0,910	10 15 20	356-0045-0000
- / 50	61	3,470	1,000	134	1,000	10 15	356-0050-0000
2 / 51	62	3,200	1,000	134	1,020	10 15	356-0051-0000
- / 55	66	3,170	1,000	151	1,090	10 15	356-0055-0000
2,36 / 60	71	2,920	1,000	156	1,180	10 15	356-0060-0000
2,5 / 63-65	74	2,810	1,000	163	1,230	10 15	356-0063-0000
- / 65	76	2,705	1,000	169	1,270	10 15	356-0065-0000
- / 70	82	2,520	1,000	186	1,370	10 15	356-0070-0000
- / 75	87	2,360	1,000	195	1,460	10 15	356-0075-0000
3 / 76	88	2,355	1,000	195	1,470	10 15	356-0076-0000
- / 80	92	2,220	1,000	205	1,550	10 15	356-0080-0000
- / 90	103	2,195	1,000	250	2,060	10 15	356-0090-0000
- / 100	113	1,980	1,000	272	2,270	10 15	356-0100-0000
4 / 102	115	1,890	1,000	272	2,310	10 15	356-0102-0000
- / 110	123	1,805	1,000	300	2,480	10 15	356-0110-0000
4,5 / 115	128	1,730	0,975	317	2,580	10 15	356-0115-0000
4,72 / 120	133	1,660	0,930	330	2,690	10 15	356-0120-0000
- / 125	138	1,595	0,895	336	2,800	10 15 20	356-0125-0000
5 / 127	140	1,565	0,890	336	2,840	10 15	356-0127-0000
- / 130	143	1,535	0,860	355	2,900	10 15	356-0130-0000
5,5 / 140	153	1,430	0,800	400	3,110	10 15	356-0140-0000
- / 150	163	1,335	0,745	435	3,680	10 15	356-0150-0000
6 / 152	165	1,305	0,835	435	3,720	10 15	356-0152-0000
6,3 / 160	173	1,255	0,700	470	3,910	10 15	356-0160-0000
- / 170	183	1,180	0,660	600	4,150	10 15	356-0170-0000
- / 175	188	1,150	0,640	700	4,260	10 15	356-0175-0000
- / 180	193	1,120	0,620	830	4,380	10 15	356-0180-0000
- / 200	214	1,010	0,560	950	5,940	10 15	356-0200-0000
8 / 203	216	0,955	0,550	950	6,020	10 15	356-0203-0000
- / 225	239	0,900	0,495	1175	6,650	10	356-0225-0000
- / 250	264	0,810	0,445	1300	7,350	2,5 5 10	356-0250-0000
- / 275	289	0,735	0,405	1453	8,070	2,5 5 10	356-0275-0000
- / 300	314	0,675	0,375	1575	8,780	2,5 5 10	356-0300-0000

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); wall thickness 2,0 to 2,5 mm approx.; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 216, 211, 228, 231, 232, 233, 234, 240+241, 242, 243, 244, 245 VAC-TRUCK, 245, 246

AIRDUC® PUR 351 EC

**Electrically conductive polyurethane hose, medium-heavy**

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; industrial vacuum cleaners, vacuum cleaners; explosion hazard area; Coal mine, mine, tunnelling: ventilation, methane extraction

Properties: highly abrasion resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 2; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

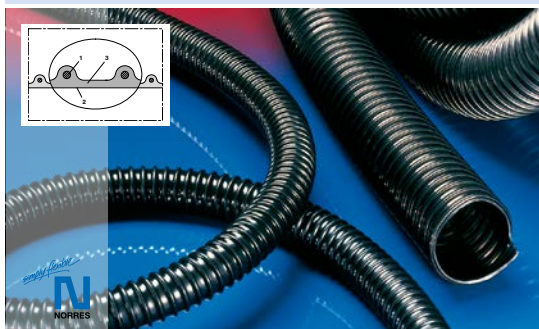
I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	32	23	0,200	10	351-0025-1003
- / 30	38	26	0,260	10	351-0030-1003
1,25 / 32	40	27	0,280	10	351-0032-1003
1,5 / 38	46	31	0,320	10	351-0038-1003
- / 40	48	32	0,340	10	351-0040-1003
1,75 / 44-45	53	35	0,380	10	351-0045-1003
2 / 50-51	58	38	0,410	10	351-0050-1003
2,36 / 60	68	44	0,490	10	351-0060-1003
2,5 / 63-65	73	47	0,530	10	351-0065-1003
- / 70	79	50	0,570	10	351-0070-1003
3 / 75-76	84	53	0,610	10	351-0075-1003
- / 80	89	56	0,650	10	351-0080-1003
3,5 / 89-90	99	62	0,730	10	351-0090-1003
4 / 100-102	109	68	0,790	10	351-0100-1003
- / 110	119	74	0,870	10	351-0110-1003
4,72 / 120	129	80	0,940	10	351-0120-1003
5 / 125-127	134	83	0,980	10	351-0125-1003
5,5 / 140	149	92	1,090	10	351-0140-1003
6 / 150-152	159	98	1,330	10	351-0150-1003
6,3 / 160	169	104	1,410	10	351-0160-1003
7 / 178-180	189	116	1,590	10	351-0180-1003
8 / 200-203	209	128	1,760	10	351-0200-1003
- / 250	259	158	2,430	10	351-0250-1003

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: electrically conductive premium ester-polyurethane (Pre-PUR®); wall thickness 0,7 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 233, 234, 240+241, 240 EC, 242, 243, 244, 245, 246, 223, 270-271

AIRDUC® PUR 355 EC

**Electrically conductive polyurethane hose, heavy**

Applications: flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases; industrial vacuum cleaners, vacuum cleaners; explosion hazard area; Coal mine, mine, tunnelling: ventilation, methane extraction; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings

Properties: heavy duty; highly abrasion resistant; increased pressure and vacuum resistance; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 3; conforms to RoHS guideline

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	32	20	0,280	10 15	355-0025-1003
- / 30	40	25	0,470	10 15	355-0030-1003
1,25 / 32	42	26	0,470	10 15	355-0032-1003
1,5 / 38	48	29	0,550	10 15	355-0038-1003
- / 40	50	30	0,570	10 15	355-0040-1003
2 / 50-51	60	35	0,710	10 15 20	355-0050-1003
- / 55	65	38	0,770	10 15	355-0055-1003
2,36 / 60	70	40	0,830	10 15 20	355-0060-1003
2,5 / 63-65	75	43	0,890	10 15	355-0065-1003
- / 70	81	62	1,010	10 15	355-0070-1003
3 / 75-76	86	66	1,070	10 15	355-0075-1003
- / 80	91	69	1,140	10 15	355-0080-1003
3,5 / 89-90	101	76	1,270	10 15	355-0090-1003
4 / 100	111	83	1,410	10 15	355-0100-1003
- / 110	121	90	1,540	10 15	355-0110-1003
4,5 / 114-115	126	94	1,610	10 15	355-0115-1003
5 / 125-127	136	101	1,740	10 15	355-0125-1003
6 / 150-152	161	118	2,290	10 15	355-0150-1003
8 / 200	212	155	2,850	10	355-0200-1003
- / 300	313	226	4,320	10	355-0300-1003
- / 315	328	237	4,640	10	355-0315-1003

Temperature Range: -40°C to 90°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: electrically conductive premium ester-polyurethane (Pre-PUR®); wall thickness 1,4 - 1,5 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 212, 216, 212 EC, 217, 213, 228, 231, 232, 233, 234, 240+241, 240 EC, 242, 243, 244, 245, 246, 223, 270-271

AIRDUC® PUR 356 EC



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	49	3,810	1,000	104	0,790	10 15	356-0038-1003
- / 40	51	3,635	1,000	109	0,820	10 15	356-0040-1003
- / 50	61	2,950	1,000	134	1,000	10 15	356-0050-1003
2 / 50-51	62	2,800	1,000	134	1,010	10 15	356-0051-1003
2,36 / 60	71	2,485	1,000	156	1,180	10 15	356-0060-1003
2,5 / 63-65	74	2,395	1,000	163	1,240	10 15	356-0063-1003
- / 65	76	2,305	1,000	169	1,270	10 15	356-0065-1003
- / 70	82	2,145	1,000	186	1,370	10 15	356-0070-1003
- / 75	87	2,010	1,000	195	1,460	10 15	356-0075-1003
3 / 76	88	1,995	1,000	195	1,480	10 15	356-0076-1003
- / 80	92	1,890	1,000	205	1,550	10 15	356-0080-1003
- / 100	113	1,685	1,000	272	2,270	10 15	356-0100-1003
4 / 102	115	1,655	1,000	272	2,310	10 15	356-0102-1003

Electrically conductive polyurethane hose, super-heavy

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; explosion hazard area; Coal mine, mine, tunnelling: ventilation, methane extraction; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging

Properties: super-heavy duty; extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch; very high pressure, vacuum and compression resistance; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 4; conforms to RoHS guideline

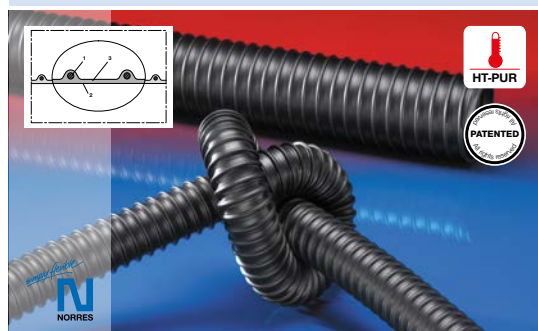
Temperature Range: -40°C to 90°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: electrically conductive premium ester-polyurethane (Pre-PUR®); wall thickness 2,0 to 2,5 mm approx.; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 216, 211, 228, 231, 232, 233, 234, 240+241, 240 EC, 242, 243, 244, 245, 246

AIRDUC® PUR 351 HT



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	32	2,835	0,495	28	0,200	10 15	351-0025-1015
1,25 / 32	40	2,245	0,460	35	0,280	10 15	351-0032-1015
1,5 / 38	46	1,905	0,430	40	0,320	10 15	351-0038-1015
- / 40	48	1,815	0,420	41	0,340	10 15	351-0040-1015
1,75 / 44-45	53	1,620	0,385	45	0,380	10 15	351-0045-1015
2 / 50-51	58	1,465	0,365	49	0,410	10 15	351-0050-1015
2,36 / 60	68	1,225	0,285	56	0,490	10 15	351-0060-1015
2,5 / 63-65	73	1,135	0,255	60	0,530	10 15	351-0065-1015
- / 70	79	1,055	0,210	65	0,590	10 15	351-0070-1015
3 / 75	84	0,985	0,195	69	0,640	10 15	351-0075-1015
- / 80	89	0,925	0,175	73	0,680	10 15	351-0080-1015
3,5 / 89-90	99	0,825	0,155	80	0,750	10 15	351-0090-1015
4 / 100-102	109	0,745	0,120	88	0,970	10 15	351-0100-1015
5 / 125-127	134	0,600	0,085	107	1,200	10 15	351-0125-1015
6 / 150-152	159	0,500	0,075	126	1,520	10 15	351-0150-1015
6,3 / 160	169	0,470	0,065	134	1,610	10 15	351-0160-1015
8 / 200-203	209	0,375	0,055	165	2,000	10	351-0200-1015

High-temperature hose, medium-heavy

Applications: flexible hose/ ducting for high throughput of warm abrasive powder, bulk material, granulate and for warm gases; film blowing machine, cooling air at the extrusion tool; offset printing machine: air supply, air supply cabinet; air supply: UV dryer, IR dryer; textile industry, steam soaking: steam iron, industrial ironing machine, smoothing iron; compressor, side channel blower, vacuum pump, pressure pump, pump

Properties: medium-heavy duty; highly abrasion resistant; very good heat resistance (better than comparable TPE and Neoprene); good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

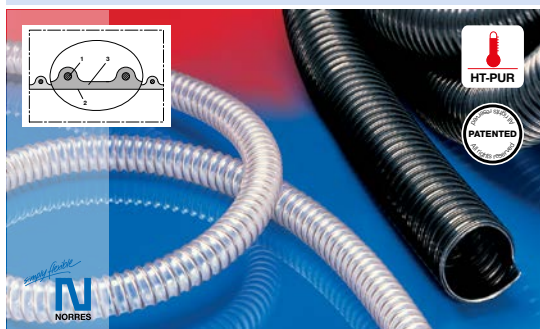
Temperature Range: -40°C to 125°C; short time to 150°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: patented special premium high-temperature polyurethane HT-PUR (Pre-PUR®); wall thickness 1,0 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 270-271

AIRDUC® PUR 355 HT



High-temperature hose, heavy

Applications: flexible hose/ ducting for high throughput of warm abrasive powder, bulk material, granulate and for warm gases; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; film blowing machine, cooling air at the extrusion tool; offset printing machine: air supply, air supply cabinet; textile industry, steam soaking: steam iron, industrial ironing machine, smoothing iron; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; compressor, side channel blower, vacuum pump, pressure pump, pump

Properties: heavy duty; highly abrasion resistant; very good heat resistance (better than comparable TPE and Neoprene); increased pressure and vacuum resistance; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; according to DIN 26057 Type 3; conforms to RoHS guideline

Temperature Range: -40°C to 125°C; short time to 150°C

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
Colour black							
1 / 25	32	3,375	0,980	25	0,280	10 15	355-0025-1015
1,25 / 32	42	3,300	1,000	32	0,440	10 15	355-0032-1015
1,5 / 38	48	2,815	0,910	36	0,520	10 15	355-0038-1015
- / 40	50	2,685	0,865	38	0,540	10 15	355-0040-1015
2 / 50-51	60	2,175	0,690	44	0,660	10 15	355-0050-1015
- / 55	65	2,370	0,635	38	0,720	10 15	355-0055-1015
2,36 / 60	70	1,830	0,575	51	0,780	10 15	355-0060-1015
2,5 / 63-65	75	1,695	0,530	54	0,840	10 15	355-0065-1015
- / 70	81	1,575	0,465	77	0,980	10 15	355-0070-1015
3 / 75-76	86	1,475	0,435	81	1,050	10 15	355-0075-1015
- / 80	91	1,385	0,410	85	1,110	10 15	355-0080-1015
4 / 100-102	111	1,115	0,355	103	1,490	10 15	355-0100-1015
5 / 125-127	136	0,900	0,285	125	1,840	10 15	355-0125-1015
6 / 150-152	161	0,750	0,260	147	2,410	10 15	355-0150-1015
8 / 200-203	213	0,565	0,130	194	3,120	10	355-0200-1015
Colour transparent							
1,25 / 32	42	3,300	1,000	32	0,440	10 15	355-0032-3040
1,5 / 38	48	2,815	0,910	36	0,520	10 15	355-0038-3040
- / 40	50	2,685	0,865	38	0,540	10 15	355-0040-3040
2 / 50-51	60	2,175	0,690	44	0,660	10 15	355-0050-3040
2,36 / 60	70	1,830	0,575	51	0,780	10 15	355-0060-3040
2,5 / 63-65	75	1,695	0,530	54	0,840	10 15	355-0065-3040
- / 70	81	1,575	0,465	77	0,980	10 15	355-0070-3040
- / 80	91	1,385	0,410	85	1,110	10 15	355-0080-3040
4 / 100-102	111	1,115	0,355	103	1,490	10 15	355-0100-3040

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: patented special premium high-temperature polyurethane HT-PUR (Pre-PUR®); wall thickness 1,4 - 1,5 mm approx.

Delivery variants: further diameters and lengths available on request; transparent (standard); black (standard); customer-specific branding

Accessories: 212, 216, 212 EC, 217, 213, 228, 231, 232, 233, 234, 270-271

AIRDUC® PUR 356 HT



High-temperature hose, super-heavy

Applications: flexible hose/ ducting for high throughput of warm abrasive powder, bulk material, granulate and for warm gases; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; compressor, side channel blower, vacuum pump, pressure pump, pump; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging

Properties: super-heavy duty; extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch; very good heat resistance (better than comparable TPE and Neoprene); very high pressure, vacuum and compression resistance; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; according to DIN 26057 Type 4; conforms to RoHS guideline

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 50	61	3,615	1,000	134	1,000	10 15	356-0050-1015
2 / 51	62	3,505	1,000	134	1,020	10 15	356-0051-1015
2,36 / 60	71	3,045	1,000	156	1,180	10 15	356-0060-1015
2,5 / 63	74	2,725	1,000	163	1,240	10 15	356-0063-1015
- / 70	82	2,630	1,000	186	1,370	10 15	356-0070-1015
- / 75	87	2,460	1,000	195	1,460	10 15	356-0075-1015
3 / 76	88	2,455	1,000	195	1,480	10 15	356-0076-1015
- / 80	92	2,315	1,000	205	1,550	10 15	356-0080-1015
4 / 102	115	1,995	1,000	272	2,310	10 15	356-0102-1015
4,72 / 120	133	1,730	0,965	330	2,690	10 15	356-0120-1015
5 / 127	140	1,705	0,935	336	2,840	10 15	356-0127-1015
6 / 152	165	1,350	0,825	435	3,720	10 15	356-0152-1015

Temperature Range: -40°C to 125°C; short time to 150°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: patented special premium high-temperature polyurethane HT-PUR (Pre-PUR®); wall thickness 2,0 to 2,5 mm approx.; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 216, 211, 228, 231, 232, 233, 234, 245 VAC-TRUCK

PROTAPE® PUR 327 MEMORY



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	72	1,394	0,486	35	0,460	10	327-0050-0000
4 / 100-102	122	0,700	0,090	70	0,920	10	327-0100-0000
5 / 125-127	147	0,608	0,070	85	1,190	10	327-0125-0000
6 / 150-152	172	0,500	0,050	100	1,430	10	327-0150-0000
7 / 178-180	202	0,451	0,021	120	1,710	10	327-0180-0000
8 / 200-203	222	0,400	0,013	130	1,900	10	327-0200-0000

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: patented PROTAPE® tape hose; special plastic-profile supporting spiral; wall: special premium ether-polyurethane (Pre-PUR®); wall thickness 0,6 mm approx.

Crush resistant hose

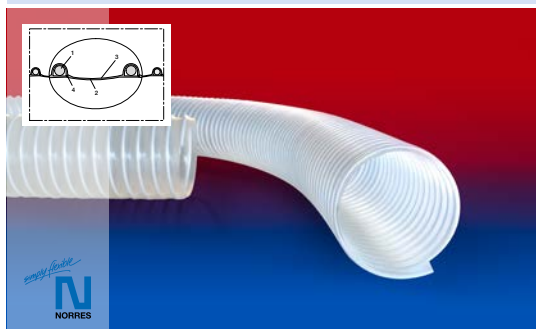
Applications: airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal; municipal vehicle: sweeper, sweeping machine; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector

Properties: medium-heavy duty; highly flexible; highly abrasion resistant; crush resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

Delivery variants: further diameters and lengths available on request; transparent + partially black coloured (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 270-271

PROTAPE® PUR 327 PP



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,603	0,014	20	0,250	10	327-0050-2100
2,36 / 60	72	0,503	0,011	22	0,290	10	327-0060-2100
3 / 75-76	87	0,404	0,009	26	0,350	10	327-0075-2100
- / 80	92	0,379	0,009	29	0,390	10	327-0080-2100
4 / 100-102	113,5	0,303	0,007	35	0,49	10	327-0100-2100
4,5 / 114-115	127	0,264	0,006	41	0,54	10	327-0115-2100
4,72 / 120	132	0,253	0,006	43	0,56	10	327-0120-2100
5 / 125-127	138,5	0,243	0,005	45	0,58	10	327-0125-2100
5,5 / 140	152	0,217	0,005	51	0,63	10	327-0140-2100
6 / 150-152	162	0,203	0,005	55	0,67	10	327-0150-2100
6,5 / 165	177	0,184	0,004	61	0,75	10	327-0165-2100
7 / 178-180	192	0,169	0,004	67	0,80	10	327-0180-2100
8 / 200-203	212	0,152	0,003	85	0,98	10	327-0200-2100

Temperature Range: -40°C to 90°C

Design, Material: patented PROTAPE® tape hose; special plastic-profile supporting spiral; wall: special premium ester-polyurethane (Pre-PUR®); wall thickness 0,4 mm approx.; grounding wire

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 217, 213, 228, 270-271

Crush resistant hose

Applications: municipal vehicle: sweeper, sweeping machine; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector; magnetic resonance scanner, MRI / computer tomography scanner, CT: air supply hose

Properties: super-light weight; highly flexible; highly abrasion resistant; crush resistant; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; grounding wire for discharging of electrostatic charging; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance <10⁹ Ω; conforms to RoHS guideline

AIRDUC® PUR 355 SWEEPER



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
partially black coloured							
8 / 203	216	0,367	0,125	330	3,160	5	355-0203-5200
10 / 254	267	0,285	0,080	407	3,930	5	355-0254-5200
12 / 305	318	0,245	0,060	482	4,850	5	355-0305-5200

Delivery variants: further diameters and lengths available on request; transparent + partially black coloured (standard); special colours: transparent, partially coloured, completely coloured; customer-specific branding

Accessories: 211, 240+241, 270-271

Sweeper hose, heavy, exterior folds, very flexible

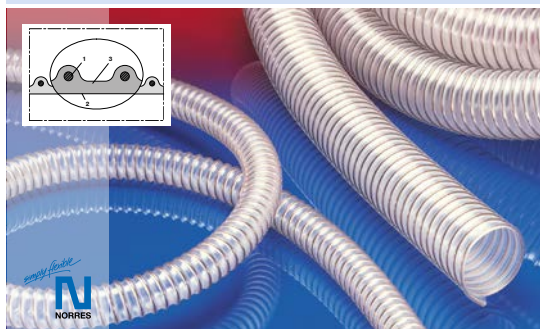
Applications: municipal vehicle: sweeper, sweeping machine

Properties: heavy duty; highly flexible + compressible; highly abrasion resistant; protected, flow-optimizing exterior folds; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; according to DIN 26057 Type 3; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium polyurethane (Pre-PUR®); wall thickness 1,4 - 1,5 mm approx.

AIRDUC® PUR 355 SWEEPER REINFORCED



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
8 / 200-203	215	0,365	0,125	178	2,650	5	355-0203-5015
- / 208	220	0,360	0,120	182	2,740	5	355-0208-5015
10 / 254	266	0,295	0,075	219	3,560	5	355-0254-5016
12 / 305	320	0,255	0,060	262	5,100	5	355-0305-5015

Temperature Range: -40°C to 90°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium polyurethane (Pre-PUR®); wall thickness 1,5 to 1,8 mm approx.; reinforcement of the primary abrasion areas

Sweeper hose, heavy and reinforced, interior folds

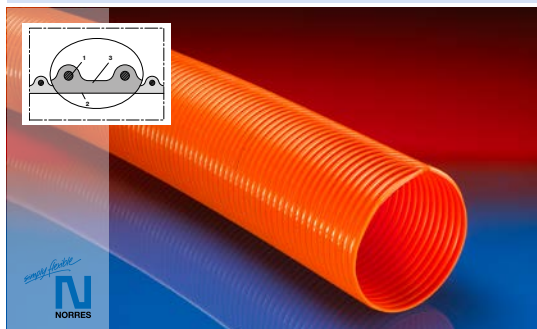
Applications: municipal vehicle: sweeper, sweeping machine

Properties: heavy duty and reinforced; highly abrasion resistant; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: transparent, partially coloured, completely coloured; customer-specific branding

Accessories: 211, 240+241, 245 VAC-TRUCK, 270-271

AIRDUC® PUR 355 VAC-TRUCK ORANGE



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
8 / 200-203	213	0,600	0,120	316	5,130	5	355-0200-5202
10 / 254	267	0,482	0,075	407	6,510	5	355-0254-5202
- / 352	365	0,340	0,050	554	9,030	5	355-0352-5202

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium polyurethane (Pre-PUR®); wall thickness 2,5 mm approx.; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; orange (standard); special colours: transparent, full coloured; customer-specific branding

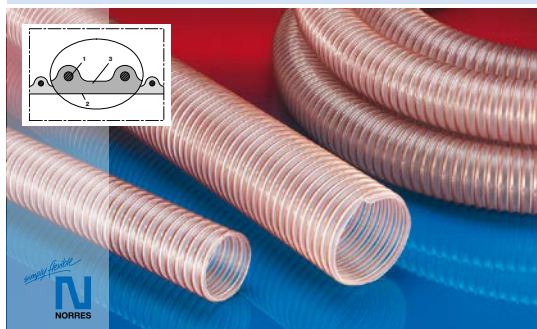
Accessories: 211, 240+241, 270-271

Vacuum truck hose, heavy and reinforced, very flexible

Applications: suction excavator; municipal vehicle: sweeper, sweeping machine

Properties: heavy duty and reinforced; highly abrasion resistant; microbe resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

AIRDUC® PUR 355 VAC-TRUCK REINFORCED



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 85	100	2,080	0,750	178	1,920	10	355-0085-2530
4 / 100-102	115	1,775	0,670	203	2,380	10 15	355-0100-2530
5 / 125-127	142	1,405	0,460	249	2,970	10 15	355-0127-2530
6 / 150-152	167	1,180	0,385	291	3,510	10 15	355-0152-2530

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium ester-polyurethane (Pre-PUR®); wall thickness 2,5 mm approx.

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

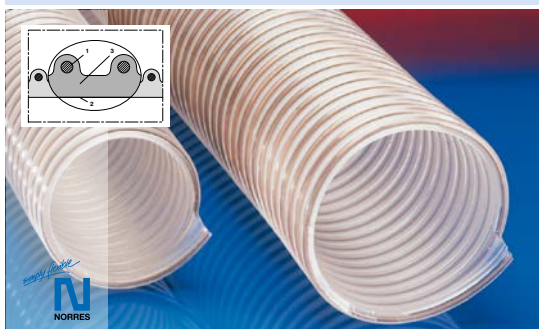
Accessories: 211

Vacuum truck hose, heavy and reinforced

Applications: flexible hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; suction vehicles: roof gravelling, roof gravel conveying; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; concrete pump: outlet hose, discharge hose; construction industry: rock drill, rock drilling machine

Properties: heavy duty and reinforced; extremely abrasion-resistant with reinforcement underneath wire; increased pressure and vacuum resistance; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

AIRDUC® PUR 357 VAC-TRUCK



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
4 / 100	123	3,015	1,000	550	3,72	10	357-0100-0000
5 / 127	148	2,445	0,930	672	4,53	10	357-0127-0000
6 / 152	175	2,055	0,775	974	5,35	10	357-0152-0000
8 / 200	223	1,560	0,700	1450	7,63	5	357-0200-0000
- / 250	273	1,255	0,560	1875	9,43	5	357-0250-0000

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium ester-polyurethane (Pre-PUR®); wall thickness 4,0 to 5,0 mm approx.

Vacuum truck hose, super-heavy and extremely reinforced

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; suction excavator; concrete pump: outlet hose, discharge hose; construction industry: rock drill, rock drilling machine; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings

Properties: super-heavy duty and extremely reinforced; extremely abrasion-resistant with extremely thick polyurethane wall; very high pressure, vacuum and compression resistance; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 211, 244

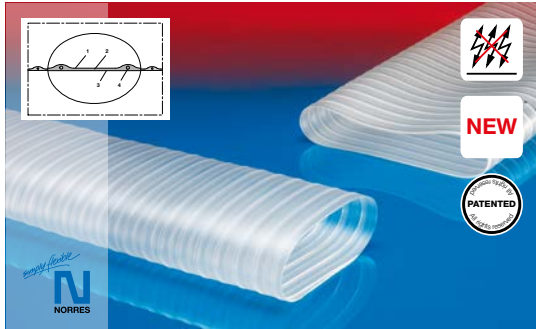


Polyurethane (Pre-PUR[®]) foodstuff hoses

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PROTAPE® PUR-C 335 FOOD-AS FLAT

**Screening machine hose and compensator, vibration resistant**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; explosion hazard area; screening machine/sifting machine, vibration screening machine, tumbler screening machine, plansifter, windsifter; bellows, compensators

Properties: highly flexible; abrasion-resistant; vibration resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

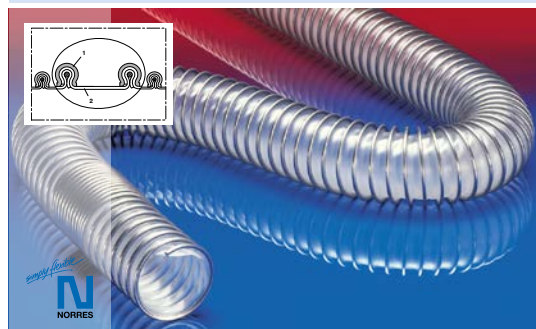
Design, Material: patented PROTAPE® tape hose; wall interior and exterior smooth; wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 1,0 mm approx.; wall interior smooth; grounding wire

I.D.	O.D.	Over-pressure	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	kg/m	m	
2 / 50-51	55	0,580	0,310	2	335-0050-0000
2,36 / 60	65	0,560	0,370	2	335-0060-0000
- / 80	85	0,510	0,470	2,5 5	335-0080-0000
- / 85	90	0,480	0,500	2,5 5	335-0085-0000
4 / 100-102	105	0,410	0,590	2,5 5	335-0100-0000
- / 110	115	0,375	0,650	2,5 5	335-0110-0000
4,5 / 114-115	120	0,355	0,670	2,5 5	335-0115-0000
4,72 / 120	125	0,340	0,700	2,5 5	335-0120-0000
5 / 125-127	130	0,330	0,730	2,5 5	335-0125-0000
6 / 150-152	155	0,275	0,880	2,5 5	335-0150-0000
- / 155	160	0,265	0,900	2,5 5	335-0155-0000
6,3 / 160	165	0,255	0,930	2,5 5	335-0160-0000
6,5 / 165	170	0,250	0,960	2,5 5	335-0165-0000
7 / 178-180	185	0,230	1,050	2,5 5	335-0180-0000
8 / 200-203	205	0,205	1,140	2,5 5	335-0200-0000
- / 205	210	0,200	1,190	2,5 5	335-0205-0000
- / 220	225	0,185	1,280	2,5 5	335-0220-0000
- / 250	255	0,165	1,450	2,5 5	335-0250-0000
- / 275	280	0,150	1,590	2,5 5	335-0275-0000
12 / 305	310	0,135	1,770	2,5 5	335-0305-0000
- / 350	355	0,115	2,030	2,5 5	335-0350-0000
16 / 405-406	410	0,105	2,340	2,5 5	335-0405-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 208, 211, 228, 270-271

CP PUR 455 FOOD



Food hose and pharmaceutical hose, super-light

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; bellows, compensators

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 5:1; abrasion-resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

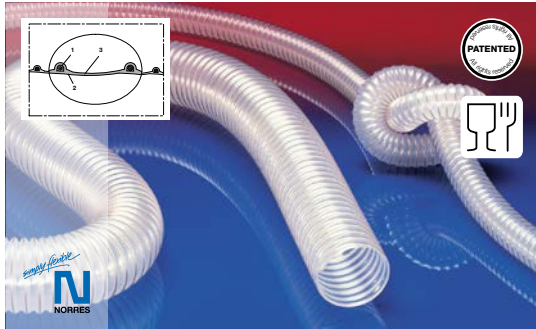
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: special premium ether-polyurethane (Pre-PUR®)

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,280	0,270	25	0,660	6	455-0050-0000
- / 55	67	0,255	0,250	27	0,720	6	455-0055-0000
2,36 / 60	72	0,235	0,220	28	0,770	6	455-0060-0000
2,5 / 63-65	77	0,215	0,200	30	0,830	6	455-0065-0000
- / 70	82	0,200	0,180	31	0,890	6	455-0070-0000
3 / 75-76	87	0,190	0,160	33	0,950	6	455-0075-0000
- / 80	92	0,175	0,140	34	1,010	6	455-0080-0000
3,5 / 89-90	102	0,155	0,100	37	1,130	6	455-0090-0000
4 / 100-102	112	0,140	0,085	40	1,070	6	455-0100-0000
- / 110	122	0,130	0,075	43	1,170	3 6	455-0110-0000
4,5 / 114-115	127	0,125	0,070	45	1,220	3 6	455-0115-0000
4,72 / 120	132	0,120	0,065	46	1,270	3 6	455-0120-0000
5 / 125-127	137	0,110	0,060	48	1,320	3 6	455-0125-0000
- / 130	142	0,110	0,055	49	1,370	3 6	455-0130-0000
5,5 / 140	152	0,100	0,040	52	1,470	3 6	455-0140-0000
6 / 150-152	162	0,095	0,035	55	1,630	3 6	455-0150-0000
6,3 / 160	172	0,090	0,030	58	1,740	3 6	455-0160-0000
6,5 / 165	177	0,085	0,030	60	1,790	3 6	455-0165-0000
- / 170	182	0,080	0,030	61	1,840	3 6	455-0170-0000
- / 175	187	0,080	0,030	63	1,890	3 6	455-0175-0000
7 / 178-180	192	0,080	0,025	64	1,950	3 6	455-0180-0000
8 / 200-203	212	0,070	0,020	70	2,150	3 6	455-0200-0000
- / 215	227	0,065	0,020	75	2,310	3 6	455-0215-0000
- / 225	237	0,060	0,020	78	2,420	3 6	455-0225-0000
9 / 228-229	240	0,060	0,019	79	2,460	3 6	455-0228-0000
- / 250	262	0,055	0,015	85	2,680	3 6	455-0250-0000
10 / 254	266	0,050	0,015	87	2,720	3 6	455-0254-0000
- / 275	287	0,050	0,015	93	2,940	3 6	455-0275-0000
11 / 280	292	0,045	0,015	95	3,000	3 6	455-0280-0000
- / 300	312	0,045	0,010	100	3,200	3 6	455-0300-0000
12 / 305	317	0,045	0,010	102	3,250	3 6	455-0305-0000
- / 315	327	0,045	0,010	105	3,360	3 6	455-0315-0000
- / 325	337	0,045	0,010	107	3,460	3 6	455-0325-0000
13 / 330	342	0,045	0,010	109	3,510	3 6	455-0330-0000
- / 350	362	0,040	0,010	115	3,720	3 6	455-0350-0000
14 / 356	368	0,040	0,010	117	3,790	3 6	455-0356-0000
- / 375	387	0,040	0,010	123	3,990	3 6	455-0375-0000
- / 400	412	0,035	0,005	130	4,250	3 6	455-0400-0000
16 / 405-406	418	0,030	0,005	132	4,330	3 6	455-0406-0000
- / 450	462	0,030	0,005	145	4,770	3 6	455-0450-0000
18 / 457	469	0,030	0,005	148	4,850	3 6	455-0457-0000
- / 500	512	0,030	0,005	160	5,290	3 6	455-0500-0000
20 / 508	520	0,030	0,005	163	5,400	3 6	455-0508-0000
- / 600	612	0,025	0,005	190	6,340	3 6	455-0600-0000
24 / 610	622	0,025	0,005	195	6,500	3 6	455-0610-0000
- / 700	712	0,020	0,002	220	7,380	3 6	455-0700-0000
28 / 712	724	0,020	0,002	225	7,550	3 6	455-0712-0000
- / 750	762	0,020	0,001	235	7,910	3 6	455-0750-0000
- / 800	812	0,020	0,001	250	8,430	3 6	455-0800-0000
32 / 813-815	827	0,020	0,001	255	8,590	3 6	455-0815-0000
- / 900	912	0,015	0,001	280	9,480	3 6	455-0900-0000
36 / 915	927	0,015	0,001	285	9,640	3 6	455-0915-0000
- / 1000	1012	0,015	0,001	310	10,540	3 6	455-1000-0000
40 / 1016	1028	0,015	0,001	315	10,710	3 6	455-1016-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

PROTAPE® PUR 330 FOOD

**Food hose and pharmaceutical hose, light**

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; extraction arm; clean room ventilation, semiconductor production machine; medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose

Properties: lightweight and reinforced; highly flexible + compressible 3:1; abrasion-resistant; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

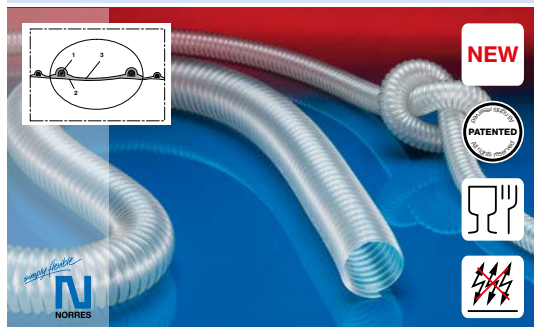
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: special premium ether-polyurethane (Pre-PUR®); wall thickness 0,6 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	32	20	0,15	5 10 15	330-0025-0000
- / 30	37	22	0,18	5 10 15	330-0030-0000
1,25 / 32	39	23	0,19	5 10 15	330-0032-0000
1,5 / 38	45	26	0,22	5 10 15	330-0038-0000
- / 40	47	27	0,23	5 10 15	330-0040-0000
1,75 / 44-45	52	30	0,26	10 15	330-0045-0000
2 / 50-51	58	33	0,37	5 10 15	330-0050-0000
2,36 / 60	68	38	0,43	5 10 15	330-0060-0000
2,5 / 63-65	73	41	0,46	5 10 15	330-0065-0000
- / 70	78	43	0,5	5 10 15	330-0070-0000
3 / 75-76	83	46	0,53	5 10 15	330-0075-0000
- / 80	88	48	0,57	5 10 15	330-0080-0000
3,5 / 89-90	98	53	0,63	5 10 15	330-0090-0000
4 / 100-102	108	58	0,67	5 10 15	330-0100-0000
- / 110	118	63	0,73	5 10 15	330-0110-0000
4,5 / 114-115	123	66	0,76	5 10 15	330-0115-0000
4,72 / 120	128	68	0,79	5 10 15	330-0120-0000
5 / 125-127	133	71	0,83	5 10 15	330-0125-0000
- / 130	138	73	0,85	5 10 15	330-0130-0000
5,5 / 140	148	78	0,92	5 10 15	330-0140-0000
6 / 150-152	158	83	0,99	5 10 15	330-0150-0000
6,3 / 160	168	88	1,04	5 10 15	330-0160-0000
- / 170	178	93	1,11	5 10 15	330-0170-0000
- / 175	183	96	1,14	5 10 15	330-0175-0000
7 / 178-180	188	98	1,17	5 10 15	330-0180-0000
8 / 200-203	208	108	1,33	5 10	330-0200-0000
- / 225	233	121	1,47	5 10 15	330-0225-0000
- / 250	258	133	1,63	5 10	330-0250-0000
10 / 254	262	135	1,66	5 10	330-0254-0000
11 / 280	288	148	1,82	5 10	330-0280-0000
- / 300	309	159	2,13	5 10	330-0300-0000
- / 315	324	167	2,23	5 10	330-0315-0000
- / 325	334	172	2,3	5 10	330-0325-0000
- / 350	359	184	2,48	5 10	330-0350-0000
- / 400	409	209	2,83	5 10	330-0400-0000
- / 450	459	234	3,18	5 10	330-0450-0000
- / 500	510	260	4,38	5 10	330-0500-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

PROTAPE® PUR-INOX 330 FOOD-AS



NEW

PATENTED



Antistatic food hose and pharmaceutical hose, light, stainless steel (INOX)

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; food industry, pharmaceutical industry; foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; extraction arm; explosion hazard area

Properties: lightweight and reinforced; highly flexible + compressible 3:1; abrasion-resistant; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600; Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

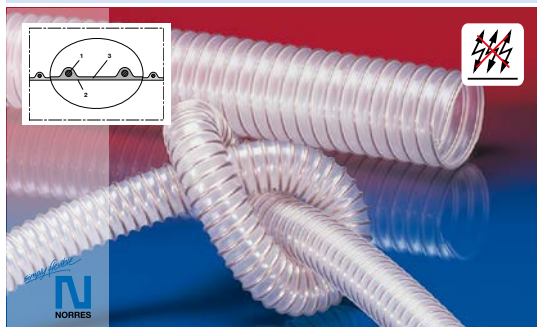
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; spiral: stainless steel wire (INOX); wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 0,6 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1,5 / 38	45	26	0,22	5 10	330-0038-1018
- / 40	47	27	0,24	5 10	330-0040-1018
2 / 50-51	58	33	0,38	5 10	330-0050-1018
2,36 / 60	68	38	0,44	5 10	330-0060-1018
2,5 / 63-65	73	41	0,47	5 10	330-0065-1018
- / 70	78	43	0,51	5 10	330-0070-1018
3 / 75-76	83	46	0,55	5 10	330-0075-1018
- / 80	88	48	0,58	5 10	330-0080-1018
4 / 100-102	108	58	0,69	5 10	330-0100-1018
5 / 125-127	133	71	0,85	5 10	330-0125-1018
6 / 150-152	158	83	1,01	5 10	330-0150-1018
6,3 / 160	168	88	1,07	5 10	330-0160-1018
7 / 178-180	188	98	1,2	5 10	330-0180-1018
8 / 200-203	208	108	1,35	5 10	330-0200-1018
- / 250	258	133	1,67	5 10	330-0250-1018
- / 300	308	158	2,17	5 10	330-0300-1018

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

AIRDUC® PUR 350 FOOD-AS

**Antistatic food hose and pharmaceutical hose, medium-heavy**

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; explosion hazard area; clean room ventilation, semiconductor production machine; paper mill, paper and pulp industry: waste water, air extraction; medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector

Properties: medium-heavy duty; highly abrasion resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 154/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 2; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

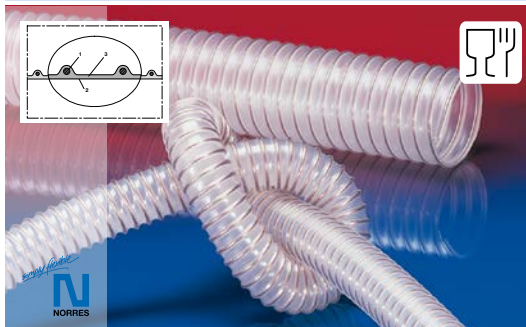
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 0,7 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	32	23	0,190	5 10 15	350-0025-0000
- / 30	37	26	0,250	5 10 15	350-0030-0000
1,25 / 32	39	27	0,270	5 10 15	350-0032-0000
1,36 / 35	42	29	0,290	5 10 15	350-0035-0000
1,5 / 38	45	31	0,310	5 10 15	350-0038-0000
- / 40	47	32	0,330	5 10 15	350-0040-0000
1,75 / 44-45	52	35	0,370	5 10 15	350-0045-0000
2 / 50-51	57	38	0,400	5 10 15 20	350-0050-0000
- / 55	62	41	0,440	5 10 15	350-0055-0000
2,36 / 60	67	44	0,480	5 10 15	350-0060-0000
2,5 / 63-65	70	47	0,520	5 10 15	350-0065-0000
- / 70	77	50	0,560	5 10 15	350-0070-0000
3 / 75-76	82	53	0,590	5 10 15	350-0075-0000
- / 80	87	56	0,640	5 10 15	350-0080-0000
3,5 / 89-90	97	62	0,720	5 10 15	350-0090-0000
4 / 100-102	107	68	0,800	5 10 15	350-0100-0000
- / 110	117	74	0,870	5 10 15	350-0110-0000
4,5 / 114-115	122	77	0,900	5 10 15	350-0115-0000
4,72 / 120	127	80	0,950	5 10 15	350-0120-0000
5 / 125-127	132	83	0,980	5 10 15	350-0125-0000
- / 130	137	86	1,010	5 10 15	350-0130-0000
5,5 / 140	147	92	1,090	5 10 15	350-0140-0000
6 / 150-152	157	98	1,400	5 10 15	350-0150-0000
6,3 / 160	167	104	1,500	5 10 15	350-0160-0000
- / 170	177	108	1,580	5 10 15	350-0170-0000
- / 175	182	113	1,630	5 10 15	350-0175-0000
7 / 178-180	187	116	1,670	5 10 15	350-0180-0000
8 / 200-203	207	128	1,860	5 10 15	350-0200-0000
- / 225	232	143	2,080	5 10	350-0225-0000
- / 250	257	158	2,310	5 10	350-0250-0000
10 / 254	261	160	2,350	5 10 15	350-0254-0000
- / 275	282	173	2,540	5 10	350-0275-0000
11 / 280	287	176	2,590	5 10	350-0280-0000
- / 300	307	188	2,770	5 10	350-0300-0000
12 / 305	312	191	2,810	5 10	350-0305-0000
- / 350	357	218	3,220	5 10	350-0350-0000
14 / 356	363	222	3,340	5 10	350-0356-0000
- / 400	407	248	4,170	5 10	350-0400-0000
- / 450	457	281	4,690	5 10	350-0450-0000
- / 500	507	313	5,200	5 10	350-0500-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 217, 213, 228, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD, 223, 270-271

AIRDUC® PUR 351 FOOD



Food hose and pharmaceutical hose, medium-heavy and reinforced

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; industrial vacuum cleaners, vacuum cleaners

Properties: medium-heavy duty; highly abrasion resistant; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; flame-retardant according to: UL94-HB; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

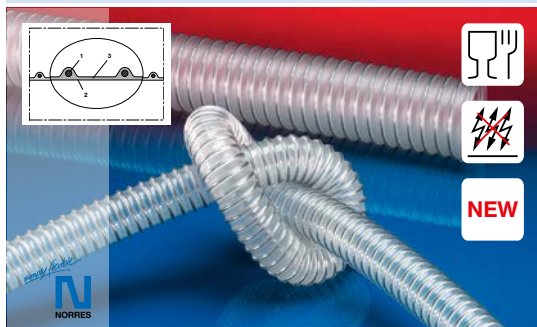
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium ether-polyurethane (Pre-PUR®); wall thickness 1,0 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	32	23	0,200	5 10 15 20	351-0025-0000
- / 30	38	27	0,260	5 10 15	351-0030-0000
1,25 / 32	40	28	0,280	5 10 15 20	351-0032-0000
1,36 / 35	43	30	0,300	5 10 15	351-0035-0000
1,5 / 38	46	32	0,320	5 10 15 20	351-0038-0000
- / 40	48	33	0,340	5 10 15 20	351-0040-0000
1,75 / 44-45	53	36	0,380	5 10 15	351-0045-0000
2 / 50-51	58	39	0,410	5 10 15 20	351-0050-0000
- / 55	63	42	0,450	5 10 15 20	351-0055-0000
2,36 / 60	68	45	0,490	5 10 15 20	351-0060-0000
2,5 / 63-65	73	48	0,530	5 10 15	351-0065-0000
- / 70	79	52	0,590	5 10 15	351-0070-0000
3 / 75-76	84	55	0,640	5 10 15 20	351-0075-0000
- / 80	89	58	0,680	5 10 15	351-0080-0000
3,5 / 89-90	99	64	0,750	5 10 15	351-0090-0000
4 / 100-102	109	70	0,970	5 10 15 20	351-0100-0000
- / 110	119	76	1,060	5 10 15	351-0110-0000
4,5 / 114-115	124	79	1,110	5 10 15	351-0115-0000
4,72 / 120	129	82	1,160	5 10 15	351-0120-0000
5 / 125-127	134	85	1,200	5 10 15	351-0125-0000
- / 130	139	88	1,250	5 10 15	351-0130-0000
5,5 / 140	149	94	1,340	5 10 15	351-0140-0000
6 / 150-152	159	100	1,520	5 10 15	351-0150-0000
6,3 / 160	169	106	1,610	5 10 15	351-0160-0000
- / 170	179	110	1,710	5 10 15	351-0170-0000
- / 175	184	115	1,760	5 10 15	351-0175-0000
7 / 178-180	189	118	1,810	5 10 15	351-0180-0000
8 / 200-203	209	130	2,000	5 10 15	351-0200-0000
- / 225	234	145	2,160	5 10	351-0225-0000
- / 250	259	160	2,390	5 10 15	351-0250-0000
- / 275	284	175	2,630	5 10	351-0275-0000
11 / 280	289	178	2,670	5 10	351-0280-0000
- / 300	309	190	2,860	5 10	351-0300-0000
- / 315	324	199	3,000	5 10	351-0315-0000
- / 325	334	205	3,100	5 10	351-0325-0000
- / 350	359	220	3,330	5 10	351-0350-0000
- / 375	384	237	3,900	5 10	351-0375-0000
- / 400	409	250	4,270	5 10	351-0400-0000
- / 450	459	283	4,800	5 10	351-0450-0000
- / 500	509	315	5,330	5 10	351-0500-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD, 223, 270-271

AIRDUC® PUR-INOX 351 FOOD-AS


Antistatic food hose and pharmaceutical hose, medium-heavy and reinforced, stainless steel (INOX)

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; explosion hazard area

Properties: medium-heavy duty; highly abrasion resistant; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600; Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^8 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

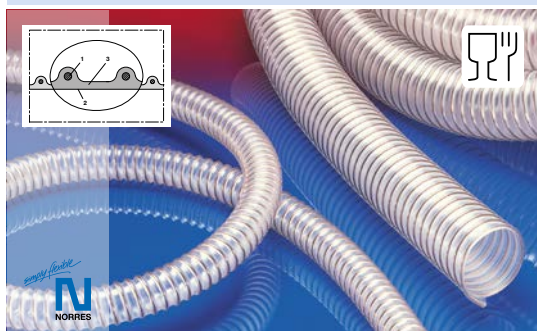
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; spiral: stainless steel wire (INOX); wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 1,0 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	33	22	0,220	5 10	351-0025-1018
1,25 / 32	40	28	0,280	5 10	351-0032-1018
1,5 / 38	46	32	0,320	5 10	351-0038-1018
- / 40	48	33	0,340	5 10	351-0040-1018
2 / 50-51	58	39	0,410	5 10	351-0050-1018
2,36 / 60	68	45	0,490	5 10	351-0060-1018
2,5 / 63-65	73	48	0,590	5 10	351-0065-1018
- / 70	79	52	0,590	5 10	351-0070-1018
3 / 75-76	84	55	0,640	5 10	351-0075-1018
- / 80	89	58	0,680	5 10	351-0080-1018
3,5 / 89-90	99	64	0,750	5 10	351-0090-1018
4 / 100-102	109	70	0,970	5 10	351-0100-1018
- / 110	119	76	1,060	5 10	351-0110-1018
5 / 125-127	134	85	1,200	5 10	351-0125-1018
5,5 / 140	149	94	1,340	5 10	351-0140-1018
6 / 150-152	159	100	1,520	5 10	351-0150-1018
6,3 / 160	169	106	1,610	5 10	351-0160-1018
7 / 178-180	189	118	1,810	5 10	351-0180-1018
8 / 200-203	209	133	2,030	5 10	351-0200-1018
- / 225	234	145	2,160	5 10	351-0225-1018

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD, 223, 270-271

AIRDUC® PUR 355 FOOD



Food hose and pharmaceutical hose, heavy

Applications: flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal; industrial vacuum cleaners, vacuum cleaners; agricultural industry: pneumatic grain conveyor; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; paper mill, paper and pulp industry: waste water, air extraction; industrial washing machine: washing water hose

Properties: heavy duty; highly abrasion resistant; increased pressure and vacuum resistance; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; flame-retardant according to: UL94-V2; according to DIN 26057 Type 3; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

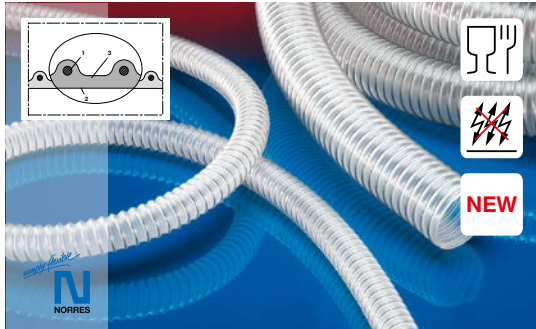
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium ether-polyurethane (Pre-PUR®); wall thickness 1,4 - 1,5 mm approx.

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 13	20	14	0,140	5 10 15	355-0013-1001
5/8 / 16	23	15	0,160	5 10 15	355-0016-1001
- / 20	27	17	0,230	5 10 15	355-0020-1001
- / 22	29	18	0,250	5 10 15	355-0022-1001
1 / 25	32	20	0,280	5 10 15	355-0025-1001
- / 30	40	25	0,420	5 10 15	355-0030-1001
1,25 / 32	42	26	0,440	5 10 15	355-0032-1001
1,36 / 35	45	28	0,480	5 10 15	355-0035-1001
1,5 / 38	48	29	0,520	5 10 15 20	355-0038-1001
- / 40	50	30	0,540	5 10 15	355-0040-1001
1,75 / 44-45	55	33	0,600	5 10 15	355-0045-1001
2 / 50-51	60	35	0,660	5 10 15	355-0050-1001
- / 55	65	38	0,720	5 10 15	355-0055-1001
2,36 / 60	70	40	0,780	5 10 15	355-0060-1001
2,5 / 63-65	75	43	0,840	5 10 15	355-0065-1001
- / 70	81	62	0,980	5 10 15	355-0070-1001
3 / 75-76	86	66	1,050	5 10	355-0075-1001
- / 80	91	69	1,110	5 10	355-0080-1001
3,5 / 89-90	101	76	1,250	5 10 15	355-0090-1001
4 / 100-102	111	83	1,490	5 10 15	355-0100-1001
- / 110	121	90	1,630	5 10 15	355-0110-1001
4,5 / 114-115	126	94	1,680	5 10 15	355-0115-1001
4,72 / 120	131	97	1,770	5 10 15	355-0120-1001
5 / 125-127	136	101	1,840	5 10 15	355-0125-1001
- / 130	141	104	1,910	5 10 15	355-0130-1001
5,5 / 140	151	111	2,030	5 10 15	355-0140-1001
6 / 150-152	161	118	2,410	5 10 15	355-0150-1001
6,3 / 160	171	125	2,560	5 10 15	355-0160-1001
6,5 / 165	176	129	2,640	5 10 15	355-0165-1001
7 / 178-180	191	139	2,870	5 10 15	355-0180-1001
8 / 200-203	213	156	3,120	5 10	355-0200-1001
- / 250	263	191	3,880	5 10	355-0250-1001
- / 300	313	226	5,160	5 10	355-0300-1001

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 216, 212 EC, 217, 213, 228, 231, 232, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD, 223, 270-271

AIRDUC® PUR-INOX 355 FOOD-AS


Antistatic food hose and pharmaceutical hose, heavy, stainless steel (INOX)

Applications: flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; industrial vacuum cleaners, vacuum cleaners; explosion hazard area; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport

Properties: heavy duty; highly abrasion resistant; increased pressure and vacuum resistance; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600; Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 3; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

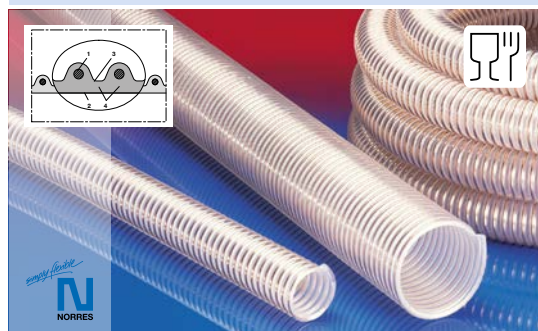
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; spiral: stainless steel wire (INOX); wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 1,4 - 1,5 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	32	3,565	1,000	20	0,280	5 10	355-0025-1018
1,25 / 32	42	3,490	1,000	26	0,440	5 10	355-0032-1018
1,5 / 38	48	2,975	0,985	29	0,520	5 10	355-0038-1018
- / 40	50	2,835	0,935	30	0,540	5 10	355-0040-1018
2 / 50-51	60	2,300	0,750	35	0,660	5 10	355-0050-1018
- / 55	65	2,100	0,680	38	0,720	5 10	355-0055-1018
2,36 / 60	70	1,930	0,625	40	0,780	5 10	355-0060-1018
2,5 / 63-65	75	1,790	0,575	43	0,840	5 10	355-0065-1018
- / 70	81	1,665	0,505	62	0,980	5 10	355-0070-1018
3 / 75-76	86	1,560	0,475	66	1,050	5 10	355-0075-1018
- / 80	91	1,465	0,450	69	1,110	5 10	355-0080-1018
3,5 / 89-90	101	1,305	0,395	76	1,300	5 10	355-0090-1018
4 / 100-102	111	1,180	0,385	83	1,490	5 10	355-0100-1018
5 / 125-127	136	0,950	0,305	101	1,840	5 10	355-0125-1018
6 / 150-152	161	0,795	0,285	118	2,410	5 10	355-0150-1018
6,3 / 160	172	0,745	0,265	125	2,560	5 10	355-0160-1018
7 / 178-180	191	0,665	0,235	139	2,900	5 10	355-0180-1018
8 / 200-203	213	0,600	0,145	156	3,120	5 10	355-0200-1018

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 212, 216, 212 EC, 217, 213, 228, 231, 232, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD, 223, 270-271

AIRDUC® PUR 356 FOOD



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,25 / 32	43	4,900	1,000	90	0,680	5 10 15	356-0032-1001
1,5 / 38	49	4,190	1,000	104	0,790	5 10 15	356-0038-1001
- / 40	51	3,995	1,000	109	0,820	5 10 15	356-0040-1001
- / 50	61	3,245	1,000	134	1,000	5 10 15	356-0050-1001
2 / 51	62	3,155	1,000	134	1,020	5 10 15	356-0051-1001
2,36 / 60	71	2,735	1,000	156	1,180	5 10 15	356-0060-1001
2,5 / 63	74	2,635	1,000	163	1,230	5 10 15	356-0063-1001
- / 65	76	2,535	1,000	169	1,270	5 10 15	356-0065-1001
- / 70	82	2,360	1,000	186	1,370	5 10 15	356-0070-1001
- / 75	87	2,210	1,000	195	1,460	5 10 15	356-0075-1001
3 / 76	88	2,205	1,000	195	1,480	5 10 15	356-0076-1001
- / 80	92	2,075	1,000	205	1,550	5 10 15	356-0080-1001
- / 100	113	1,855	1,000	272	2,270	5 10 15	356-0100-1001
4 / 102	115	1,70	1,000	272	2,310	5 10 15	356-0102-1001
- / 125	138	1,495	0,835	336	2,800	5 10 15	356-0125-1001
5 / 127	140	1,370	0,825	336	2,840	5 10 15	356-0127-1001
- / 150	163	1,250	0,695	435	3,680	5 10 15	356-0150-1001
6 / 152	165	1,210	0,685	435	3,720	5 10 15	356-0152-1001

Food hose and pharmaceutical hose, super-heavy

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; agricultural industry: pneumatic grain conveyor; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; paper mill, paper and pulp industry: waste water, air extraction; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of e.g. rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

Properties: super-heavy duty; extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch; very high pressure, vacuum and compression resistance; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; according to DIN 26057 Type 4; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

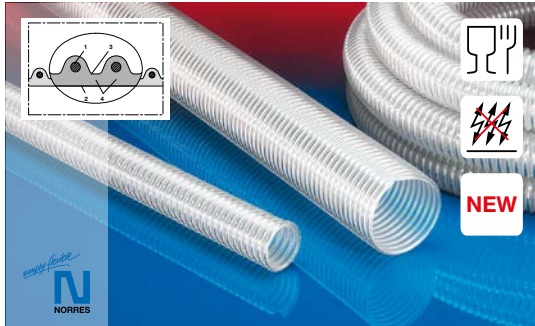
Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium ether-polyurethane (Pre-PUR®); wall thickness 2,0 to 2,5 mm approx.; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 216, 211, 228, 231, 232, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD

AIRDUC® PUR-INOX 356 FOOD-AS

**Antistatic food hose and pharmaceutical hose, super-heavy, stainless steel (INOX)**

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; agricultural industry: pneumatic grain conveyor; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; paper mill, paper and pulp industry: waste water, air extraction; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging

Properties: super-heavy duty; extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch; very high pressure, vacuum and compression resistance; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); according to DIN 26057 Type 4; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

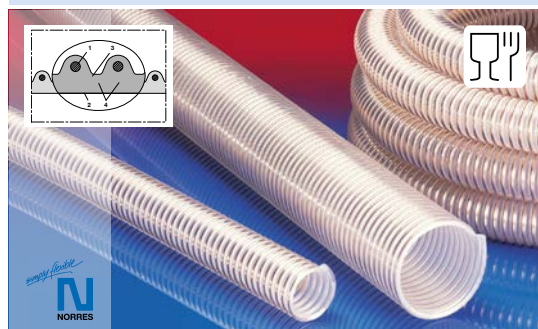
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; spiral: stainless steel wire (INOX); wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 2,0 to 2,5 mm approx.; reinforcement of the primary abrasion areas

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,25 / 32	43	5,180	1,000	90	0,680	5 10	356-0032-1018
1,5 / 38	49	4,425	1,000	104	0,790	5 10	356-0038-1018
- / 40	51	4,225	1,000	109	0,820	5 10	356-0040-1018
- / 50	61	3,430	1,000	134	1,000	5 10	356-0050-1018
2 / 51	62	3,155	1,000	134	1,020	5 10	356-0051-1018
2,36 / 60	71	2,890	1,000	156	1,180	5 10	356-0060-1018
2,5 / 63-65	74	2,780	1,000	163	1,230	5 10	356-0063-1018
- / 65	76	2,675	1,000	169	1,270	5 10	356-0065-1018
- / 70	82	2,495	1,000	186	1,370	5 10	356-0070-1018
- / 75	87	2,335	1,000	195	1,460	5 10	356-0075-1018
3 / 76	88	2,330	1,000	195	1,480	5 10	356-0076-1018
- / 80	92	2,195	1,000	205	1,550	5 10	356-0080-1018
3,5 / 89-90	101	2,170	1,000	250	1,700	5 10	356-0089-1018
- / 90	103	2,170	1,000	250	2,060	5 10	356-0090-1018
- / 100	113	1,960	1,000	272	2,270	5 10	356-0100-1018
4 / 102	115	1,890	1,000	272	2,310	5 10	356-0102-1018
- / 125	138	1,580	0,880	336	2,800	5 10	356-0125-1018
5 / 127	140	1,450	0,870	336	2,850	5 10	356-0127-1018
- / 150	163	1,320	0,735	435	3,680	5 10	356-0150-1018
6 / 152	165	1,375	0,725	435	3,730	5 10	356-0152-1018

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 216, 211, 228, 231, 232, 233, 234, 247, 249, 240+241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD

AIRDUC® PUR 356 FOOD REINFORCED



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 50	67	4,065	1,000	189	1,490	10	356-0050-5100
2 / 51	68	3,850	1,000	192	1,500	10	356-0051-5100
2,36 / 60	77	3,455	1,000	216	1,760	10	356-0060-5100
2,5 / 63-65	80	3,330	1,000	224	1,810	10	356-0063-5100
- / 65	82	3,210	1,000	230	1,890	10	356-0065-5100
- / 75	92	2,815	1,000	257	2,040	10	356-0075-5100
3 / 76	87	2,800	1,000	259	2,080	10	356-0076-5100
- / 80	97	2,655	1,000	270	2,300	10	356-0080-5100
3,5 / 89-90	106	2,380	1,000	295	2,840	10	356-0089-5100
- / 90	107	2,380	1,000	297	2,900	10	356-0090-5100
- / 100	117	2,155	1,000	324	3,200	10	356-0100-5100
4 / 102	119	2,005	1,000	330	3,260	10	356-0102-5100
4,5 / 114-115	132	1,890	0,920	365	3,640	10	356-0115-5100
- / 125	142	1,745	0,845	392	3,950	10	356-0125-5100
5 / 127	144	1,715	0,840	398	4,010	10	356-0127-5100
- / 150	167	1,465	0,760	460	5,050	10	356-0150-5100
6 / 152	169	1,355	0,750	465	5,110	10	356-0152-5100

Food hose and pharmaceutical hose, super-heavy and reinforced

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of e.g. rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

Properties: super-heavy duty and reinforced; extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch; very high pressure, vacuum and compression resistance; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

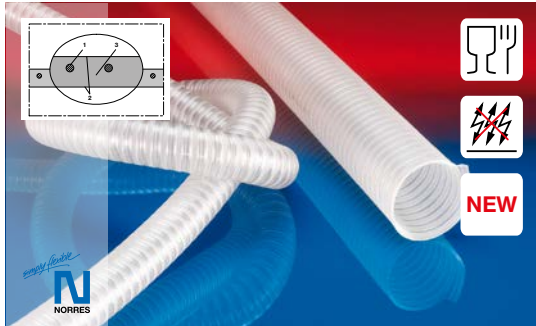
Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium ether-polyurethane (Pre-PUR®); wall thickness 3,0 to 3,5 mm approx.; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Accessories: 211, 230

BARDUC® PUR-INOX 382 FOOD-AS



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,25 / 32	40	5,500	1,000	144	0,450	10	382-0032-1014
1,5 / 38	46	5,500	1,000	171	0,590	10	382-0038-1014
- / 40	48	5,500	1,000	180	0,650	10 15	382-0040-1014
2 / 50-51	58	5,000	1,000	225	0,960	10 15	382-0050-1014
2,36 / 60	68	5,000	1,000	270	1,120	10 15	382-0060-1014
2,5 / 63-65	73	5,000	1,000	293	1,210	10 15	382-0065-1014
- / 70	78	5,000	1,000	315	1,290	10 15	382-0070-1014
3 / 75-76	83	5,000	1,000	338	1,380	10 15	382-0075-1014
- / 80	88	4,000	0,900	360	1,460	10	382-0080-1014
4 / 100-102	110	4,000	0,800	500	1,800	10	382-0100-1014

Antistatic food hose and pharmaceutical hose, super-heavy and reinforced, smooth interior and exterior, stainless steel (INOX)

Delivery variants: further diameters and lengths available on request; transparent (standard); customer-specific branding

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; explosion hazard area; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of e.g. rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

Accessories: 211

Properties: super-heavy duty; highly abrasion resistant; very high pressure, vacuum and compression resistance; Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600; Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^8 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: BARDUC® design; spring steel wire spiral embedded in wall; spiral: stainless steel wire (INOX); smooth interior and exterior; wall: permanently antistatic premium ether-polyurethane (Pre-PUR®); wall thickness 4 to 6 mm approx., depending on diameter

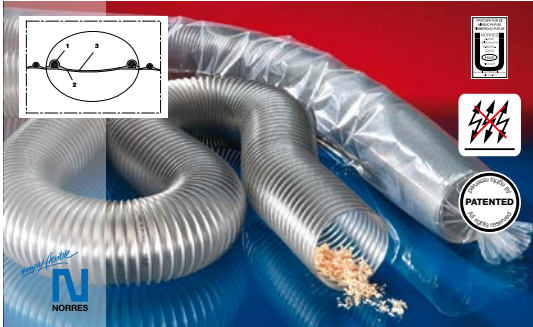


Hoses for the woodworking industry

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TIMBERDUC® PUR 531 AS


Antistatic polyurethane hose for the woodworking industry, light, flame-retardant

Applications: extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; wood dust extraction, wood chips: furniture production, saw mill; wood dust extraction: CNC machine, CNC machining center (especially for fast moving systems); bellows, compensators

Properties: light weight; highly flexible + compressible 4:1; abrasion-resistant; microbe resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to the safety regulations of the German Wood Trade Association; according to DIN 26057 Type 1; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

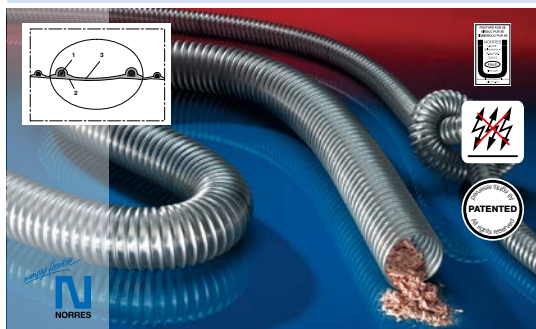
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives; wall thickness 0,4 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	58	0,480	0,170	33	0,240	5 10 15	531-0050-0000
2,36 / 60	68	0,405	0,145	38	0,340	5 10 15	531-0060-0000
2,5 / 63-65	73	0,370	0,130	40	0,360	5 10 15	531-0065-0000
- / 70	78	0,345	0,125	43	0,390	5 10 15	531-0070-0000
3 / 75-76	83	0,325	0,115	45	0,410	5 10 15	531-0075-0000
- / 80	88	0,305	0,110	48	0,440	5 10 15	531-0080-0000
3,5 / 89-90	98	0,270	0,095	53	0,490	5 10 15	531-0090-0000
4 / 100-102	108	0,245	0,055	58	0,520	5 10 15	531-0100-0000
- / 110	118	0,220	0,050	63	0,570	5 10 15	531-0110-0000
4,5 / 114-115	123	0,210	0,050	66	0,590	5 10 15	531-0115-0000
4,72 / 120	128	0,205	0,045	68	0,620	5 10 15	531-0120-0000
5 / 125-127	133	0,195	0,045	71	0,640	5 10 15	531-0125-0000
- / 130	138	0,185	0,040	73	0,680	5 10 15	531-0130-0000
5,5 / 140	148	0,175	0,040	78	0,720	5 10 15	531-0140-0000
6 / 150-152	158	0,160	0,035	83	0,770	5 10 15	531-0150-0000
6,3 / 160	168	0,150	0,035	88	0,820	5 10 15	531-0160-0000
7 / 178-180	188	0,135	0,030	98	0,920	5 10 15	531-0180-0000
8 / 200-203	208	0,120	0,025	108	1,040	5 10	531-0200-0000
- / 250	258	0,100	0,020	136	1,300	5 10	531-0250-0000
11 / 280	288	0,085	0,020	149	1,450	5 10 15	531-0280-0000
- / 300	309	0,080	0,015	159	1,730	5 10 15	531-0300-0000
- / 315	324	0,075	0,015	167,5	1,820	5 10 15	531-0315-0000
- / 350	359	0,070	0,015	185	2,010	5 10 15	531-0350-0000
- / 400	409	0,060	0,015	210	2,300	5 10 15	531-0400-0000

Delivery variants: further diameters and lengths available on request; transparent + partially silver coloured (standard); special colours: partially coloured, completely coloured; customer-specific branding; ID 1"/25mm – 12"/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID315 – 500mm not compressed

Accessories: 212, 217, 213, 228, 223, 270-271

TIMBERDUC® PUR 532 AS



Antistatic polyurethane hose for the woodworking industry, medium-heavy, flame-retardant

Applications: extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; wood dust extraction, wood chips: furniture production, saw mill; wood dust extraction: vertical panel saw, saw, woodworking machine, edge processing machine, parquet flooring grinding machine

Properties: medium-heavy duty; highly flexible + compressible 3:1; abrasion-resistant; microbe resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to the safety regulations of the German Wood Trade Association; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

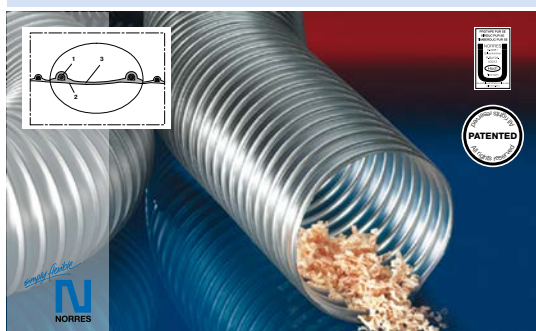
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives; wall thickness 0,6 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 40	47	1,020	0,335	27	0,260	5 10 15	532-0040-0000
1,75 / 44-45	52	0,910	0,300	30	0,290	5 10 15	532-0045-0000
2 / 50-51	58	0,820	0,220	33	0,360	5 10 15	532-0050-0000
- / 55	63	0,755	0,200	36	0,390	5 10 15	532-0055-0000
2,36 / 60	68	0,685	0,180	38	0,430	5 10 15	532-0060-0000
2,5 / 63-65	73	0,635	0,165	41	0,470	5 10 15	532-0065-0000
- / 70	78	0,590	0,155	43	0,500	5 10 15	532-0070-0000
3 / 75-76	83	0,550	0,145	46	0,530	5 10 15	532-0075-0000
- / 80	88	0,515	0,135	48	0,570	5 10 15	532-0080-0000
3,5 / 89-90	98	0,460	0,120	53	0,630	5 10 15	532-0090-0000
4 / 100-102	108	0,415	0,080	58	0,660	5 10 15	532-0100-0000
- / 110	118	0,375	0,070	63	0,730	5 10 15	532-0110-0000
4,72 / 120	128	0,345	0,065	68	0,790	5 10 15	532-0120-0000
5 / 125-127	133	0,335	0,065	71	0,820	5 10 15	532-0125-0000
- / 130	138	0,320	0,060	73	0,850	5 10 15	532-0130-0000
5,5 / 140	148	0,295	0,055	78	0,920	5 10 15	532-0140-0000
6 / 150-152	158	0,275	0,055	83	0,980	5 10 15	532-0150-0000
6,3 / 160	168	0,260	0,050	88	1,040	5 10 15	532-0160-0000
7 / 178-180	188	0,230	0,045	98	1,170	5 10 15	532-0180-0000
8 / 200-203	208	0,210	0,030	108	1,540	5 10 15	532-0200-0000
- / 225	233	0,185	0,025	121	1,750	5 10	532-0225-0000
- / 250	258	0,165	0,025	133	1,900	5 10 15	532-0250-0000
11 / 280	288	0,150	0,020	148	2,150	5 10	532-0280-0000
- / 300	309	0,140	0,020	159	2,530	5 10	532-0300-0000
- / 315	324	0,135	0,020	167	2,650	5 10	532-0315-0000
- / 350	359	0,120	0,020	184	2,950	5 10	532-0350-0000
- / 400	409	0,105	0,015	209	3,360	5 10	532-0400-0000

Delivery variants: further diameters and lengths available on request; transparent + partially silver coloured (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

TIMBERDUC® PUR 532 CNC



CNC machine hose for the woodworking industry, reinforced + for higher vacuum, highly flexible + compressible 4:1

Applications: extraction unit, dedusting system, filter system, oil mist extraction; wood dust extraction, wood chips: furniture production, saw mill; wood dust extraction: CNC machine, CNC machining center (especially for fast moving systems); bellows, compensators

Properties: heavy duty; highly flexible + compressible 4:1; highly abrasion resistant; increased pressure and vacuum resistance; microbe resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: DIN 4102-B1; conforms to the safety regulations of the German Wood Trade Association; according to DIN 26057 Type 2; conforms to RoHS guideline

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
8 / 200-203	211	0,245	0,030	128	1,900	6 12	532-0200-2533
- / 225	236	0,215	0,025	143	2,100	6 12	532-0225-2533
- / 250	261	0,195	0,025	158	2,300	6 12	532-0250-2533
11 / 280	291	0,175	0,020	176	2,600	6 12	532-0280-2533
- / 300	311	0,160	0,020	188	2,800	6 12	532-0300-2533
- / 315	326	0,155	0,020	197	2,950	6 12	532-0315-2533
14 / 356	367	0,135	0,015	222	3,300	6 12	532-0356-2533
- / 400	411	0,120	0,015	248	3,700	6 12	532-0400-2533

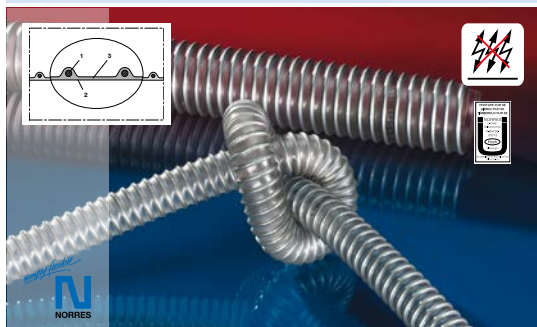
Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: premium polyurethane, resistant to aggressive wood types and wood preservatives, with flame-retardant additive (Pre-PUR®); wall thickness 0,7 mm approx.

Delivery variants: further diameters and lengths available on request; transparent + partially silver coloured (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

TIMBERDUC® PUR 533 AS


Antistatic polyurethane hose for the woodworking industry, heavy, flame-retardant

Applications: extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; wood dust extraction, wood chips: furniture production, saw mill; wood dust extraction: vertical panel saw, saw, woodworking machine, edge processing machine, parquet flooring grinding machine

Properties: heavy duty; highly abrasion resistant; increased pressure and vacuum resistance; microbe resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: DIN 4102-B1; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to the safety regulations of the German Wood Trade Association; according to DIN 26057 Type 2; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives; wall thickness 0,7 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 40	48	1,555	0,470	32	0,350	5 10 15	533-0040-0000
1,75 / 44-45	53	1,390	0,420	35	0,380	5 10 15	533-0045-0000
2 / 50-51	58	1,250	0,380	38	0,420	5 10 15	533-0050-0000
2,36 / 60	68	1,050	0,315	44	0,490	5 10 15	533-0060-0000
2,5 / 63-65	73	0,970	0,290	47	0,530	5 10 15	533-0065-0000
- / 70	79	0,900	0,185	50	0,560	5 10 15	533-0070-0000
3 / 75-76	84	0,840	0,175	53	0,600	5 10 15	533-0075-0000
- / 80	89	0,790	0,160	56	0,630	5 10 15	533-0080-0000
3,5 / 89-90	99	0,705	0,145	62	0,710	5 10 15	533-0090-0000
4 / 100-102	109	0,635	0,135	68	0,780	5 10 15	533-0100-0000
- / 110	119	0,575	0,125	74	0,860	5 10 15	533-0110-0000
4,72 / 120	129	0,530	0,115	80	0,930	5 10 15	533-0120-0000
5 / 125-127	134	0,510	0,110	83	0,970	5 10 15	533-0125-0000
- / 130	139	0,490	0,105	86	1,000	5 10 15	533-0130-0000
5,5 / 140	149	0,455	0,095	92	1,080	5 10 15	533-0140-0000
6 / 150-152	159	0,425	0,075	98	1,370	5 10 15	533-0150-0000
6,3 / 160	169	0,400	0,070	104	1,460	5 10 15	533-0160-0000
- / 170	179	0,375	0,065	108	1,540	5 10 15	533-0170-0000
7 / 178-180	189	0,355	0,060	116	1,630	5 10 15	533-0180-0000
8 / 200-203	209	0,320	0,055	128	1,810	5 10 15	533-0200-0000
- / 225	234	0,285	0,050	143	2,030	5 10 15	533-0225-0000
- / 250	259	0,255	0,045	158	2,250	5 10 15	533-0250-0000
11 / 280	289	0,230	0,040	176	2,510	5 10	533-0280-0000
- / 300	309	0,215	0,035	188	2,690	5 10	533-0300-0000
- / 315	324	0,205	0,035	197	2,820	5 10	533-0315-0000
- / 325	334	0,195	0,035	203	2,910	5 10	533-0325-0000
- / 350	359	0,185	0,030	218	3,130	5 10	533-0350-0000
- / 400	409	0,160	0,030	248	4,020	5 10	533-0400-0000

Delivery variants: further diameters and lengths available on request; transparent + partially silver coloured (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 233, 234, 240+241, 242, 243, 244, 245, 246, 223, 270-271



PVC, PE, EVA and PUR air conditioning, ventilation hoses, welding fume extraction hoses

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PROTAPE® PVC 310

**PVC hose, light**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; extraction unit, dedusting system, filter system, oil mist extraction; galvanic extraction; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; X-ray machine: cable protection conduit (special type on request); heating hose: exterior hose as protection hose

Properties: light weight; highly flexible + compressible 3:1; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; flame-retardant according to: UL94-HB; conforms to RoHS guideline

Temperature Range: -20°C to 70°C; short time to 80°C

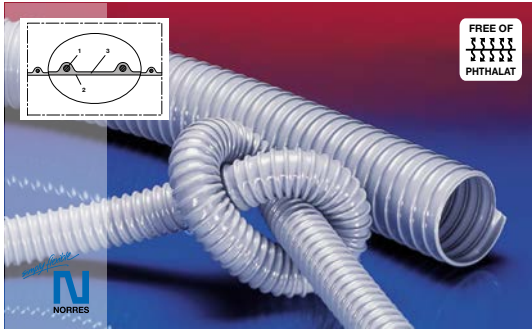
Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: high grade soft PVC; wall thickness 0,6 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 30	37	0,930	0,200	22	0,240	5 10 15	310-0030-0000
1,25 / 32	39	0,875	0,200	23	0,260	5 10 15	310-0032-0000
1,5 / 38	45	0,740	0,185	26	0,300	5 10 15	310-0038-0000
- / 40	47	0,705	0,180	27	0,320	5 10 15	310-0040-0000
2 / 50-51	58	0,410	0,155	33	0,310	5 10 15	310-0050-0000
- / 55	63	0,370	0,140	36	0,330	5 10 15	310-0055-0000
2,36 / 60	68	0,340	0,120	38	0,360	5 10 15	310-0060-0000
2,5 / 63-65	73	0,315	0,105	41	0,390	5 10 15	310-0065-0000
- / 70	78	0,295	0,090	43	0,420	5 10 15	310-0070-0000
3 / 75-76	83	0,275	0,085	46	0,450	5 10 15	310-0075-0000
- / 80	88	0,255	0,075	48	0,470	5 10 15	310-0080-0000
3,5 / 89-90	98	0,230	0,065	53	0,530	5 10 15	310-0090-0000
4 / 100-102	108	0,205	0,050	58	0,570	5 10 15	310-0100-0000
- / 110	118	0,185	0,045	63	0,620	5 10 15	310-0110-0000
4,5 / 114-115	123	0,180	0,045	66	0,650	5 10 15	310-0115-0000
4,72 / 120	128	0,170	0,045	68	0,680	5 10 15	310-0120-0000
5 / 125-127	133	0,165	0,035	71	0,710	5 10 15	310-0125-0000
- / 130	138	0,160	0,035	73	0,730	5 10 15	310-0130-0000
5,5 / 140	148	0,145	0,035	78	0,790	5 10 15	310-0140-0000
6 / 150-152	158	0,135	0,035	83	0,840	5 10 15	310-0150-0000
6,3 / 160	168	0,130	0,030	88	0,870	5 10 15	310-0160-0000
7 / 178-180	188	0,115	0,025	98	1,000	5 10 15	310-0180-0000
8 / 200-203	208	0,105	0,025	108	1,110	5 10	310-0200-0000
- / 225	233	0,090	0,015	121	1,250	5 10	310-0225-0000
- / 250	258	0,085	0,010	133	1,390	5 10	310-0250-0000
- / 300	309	0,070	0,010	159	1,950	5 10	310-0300-0000

Delivery variants: further diameters and lengths available on request; grey (standard); special colours: transparent, full coloured; customer-specific branding; ID >= 2"/50-51mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID < 2"/50-51mm not compressed, wrapped in a coil

Accessories: 212, 217, 213, 228, 223, 270-271

AIRDUC® PVC 341

**PVC hose, medium-heavy**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; extraction unit, dedusting system, filter system, oil mist extraction; galvanic extraction; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; heating hose: exterior hose as protection hose

Properties: medium-heavy duty; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; flame-retardant according to: UL94-HB; conforms to RoHS guideline

Temperature Range: -20°C to 70°C; short time to 80°C

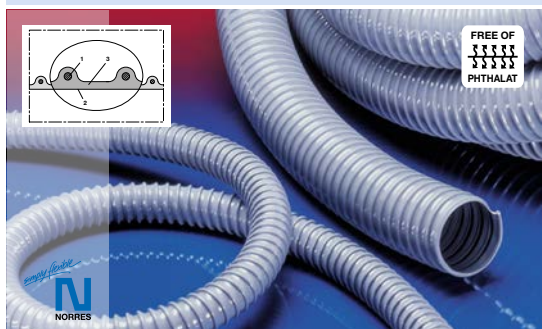
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: high grade soft PVC; wall thickness 0,9 mm approx.

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	27	1,385	0,500	17	0,190	10 15	341-0020-0000
1 / 25	32	1,125	0,400	20	0,230	10 15	341-0025-0000
- / 30	38	0,945	0,275	23	0,250	10 15	341-0030-0000
1,25 / 32	40	0,890	0,260	24	0,270	10 15	341-0032-0000
1,36 / 35	43	0,815	0,235	26	0,300	10 15	341-0035-0000
1,5 / 38	46	0,755	0,220	27	0,320	10 15	341-0038-0000
- / 40	48	0,715	0,205	28	0,330	10 15	341-0040-0000
- / 42	50	0,675	0,200	29	0,350	10 15	341-0042-0000
1,75 / 44-45	53	0,640	0,185	31	0,370	10 15	341-0045-0000
2 / 50-51	58	0,575	0,165	33	0,410	10 15	341-0050-0000
- / 55	63	0,525	0,150	36	0,450	10 15	341-0055-0000
2,36 / 60	68	0,485	0,140	38	0,490	10 15	341-0060-0000
2,5 / 63-65	73	0,445	0,125	41	0,520	10 15	341-0065-0000
- / 70	79	0,415	0,120	44	0,540	10 15	341-0070-0000
3 / 75-76	84	0,390	0,110	47	0,580	10 15	341-0075-0000
- / 80	89	0,365	0,105	49	0,610	10 15	341-0080-0000
3,5 / 89-90	99	0,325	0,090	54	0,700	10 15	341-0090-0000
4 / 100-102	109	0,295	0,060	59	0,850	10 15 20	341-0100-0000
- / 105	114	0,280	0,060	62	0,890	10 15	341-0105-0000
- / 110	119	0,265	0,055	64	0,940	10 15	341-0110-0000
4,5 / 114-115	124	0,255	0,050	67	0,980	10 15	341-0115-0000
4,72 / 120	129	0,245	0,050	69	1,020	10 15	341-0120-0000
5 / 125-127	134	0,235	0,045	72	1,060	10 15	341-0125-0000
- / 130	139	0,225	0,045	74	1,100	10 15	341-0130-0000
5,5 / 140	149	0,210	0,040	79	1,180	10 15	341-0140-0000
6 / 150-152	159	0,195	0,040	84	1,260	10 15	341-0150-0000
6,3 / 160	169	0,185	0,035	89	1,350	10 15	341-0160-0000
7 / 178-180	189	0,165	0,030	99	1,510	10 15	341-0180-0000
8 / 200-203	209	0,145	0,030	109	1,670	10 15	341-0200-0000
- / 225	234	0,130	0,025	122	2,260	10	341-0225-0000
- / 250	259	0,120	0,020	134	2,510	10	341-0250-0000
11 / 280	289	0,105	0,020	149	2,800	10	341-0280-0000
- / 300	309	0,100	0,020	159	3,000	10	341-0300-0000
- / 350	359	0,100	0,015	184	3,500	10	341-0350-0000

Delivery variants: further diameters and lengths available on request; grey (standard); special colours: transparent, full coloured; customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 240+241, 242, 243, 244, 245, 246, 223, 270-271

AIRDUC® PVC 345

**PVC hose, heavy**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; extraction unit, dedusting system, filter system, oil mist extraction; galvanic extraction

Properties: heavy duty; increased pressure and vacuum resistance; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; flame-retardant according to: UL94-HB; conforms to RoHS guideline

Temperature Range: -20°C to 70°C; short time to 80°C

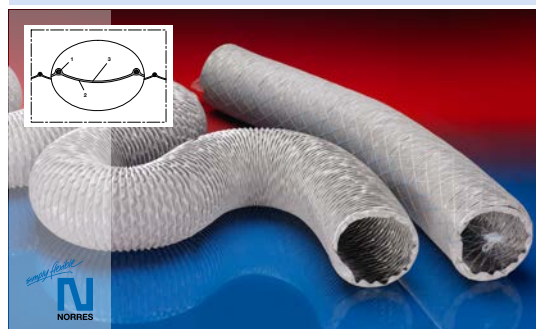
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: high grade soft PVC; wall thickness 1,4 - 1,5 mm approx.

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	28	2,665	1,000	18	0,280	10 15	345-0020-0000
1 / 25	33	2,330	1,000	21	0,330	10 15	345-0025-0000
- / 30	40	1,970	0,970	25	0,450	10 15	345-0030-0000
1,25 / 32	42	1,860	0,910	26	0,470	10 15	345-0032-0000
1,36 / 35	45	1,710	0,830	28	0,510	10 15	345-0035-0000
1,5 / 38	48	1,585	0,765	29	0,550	10 15	345-0038-0000
- / 40	50	1,510	0,725	30	0,570	10 15	345-0040-0000
- / 42	52	1,365	0,860	31	0,600	10 15	345-0042-0000
2 / 50-51	60	1,220	0,580	35	0,700	10 15	345-0050-0000
2,36 / 60	70	1,025	0,485	40	0,830	10 15	345-0060-0000
2,5 / 63-65	75	0,950	0,450	43	0,890	10 15	345-0065-0000
- / 70	82	0,885	0,380	63	1,060	10 15	345-0070-0000
3 / 75-76	87	0,830	0,330	67	1,130	10 15	345-0075-0000
- / 80	92	0,780	0,310	70	1,200	10 15	345-0080-0000
- / 85	97	0,735	0,440	74	1,270	10 15	345-0085-0000
3,5 / 89-90	102	0,695	0,275	77	1,340	10 15	345-0090-0000
4 / 100-102	112	0,625	0,255	84	1,480	10 15	345-0100-0000
- / 105	117	0,600	0,320	88	1,550	10 15	345-0105-0000
- / 110	122	0,570	0,230	91	1,620	10 15	345-0110-0000
4,5 / 114-115	127	0,545	0,220	95	1,680	10 15	345-0115-0000
4,72 / 120	132	0,525	0,210	98	1,750	10 15	345-0120-0000
5 / 125-127	137	0,505	0,205	102	1,820	10 15	345-0125-0000
- / 130	142	0,485	0,195	105	1,890	10 15	345-0130-0000
5,5 / 140	152	0,450	0,180	112	2,030	10 15	345-0140-0000
6 / 150-152	162	0,420	0,170	119	2,330	10 15	345-0150-0000
6,3 / 160	172	0,395	0,160	126	2,480	10 15	345-0160-0000
7 / 178-180	192	0,350	0,140	140	2,780	10 15	345-0180-0000
8 / 200-203	213	0,315	0,100	156	3,140	10	345-0200-0000
- / 225	238	0,280	0,095	174	3,520	10	345-0225-0000
- / 250	263	0,255	0,085	191	3,900	10	345-0250-0000
11 / 280	293	0,225	0,080	212	4,350	10	345-0280-0000
- / 300	313	0,210	0,075	226	4,660	10	345-0300-0000
- / 325	338	0,195	0,065	244	5,470	10	345-0325-0000
- / 350	363	0,180	0,060	261	5,880	10	345-0350-0000

Delivery variants: further diameters and lengths available on request; grey (standard); special colours: transparent, full coloured; customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 240+241, 242, 243, 244, 245, 246, 223, 270-271

PROTAPE® PVC 371



PVC ducting, (to +110°C)

Applications: flexible hose/ ducting for gases; welding fume extraction; extraction arm; animal stall, animal shed: barn ventilation; construction industry: tunnel ventilation; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating; asbestos removal; construction drying; tent heating, airport gangway heating, heaters for construction sites; clean room ventilation, semiconductor production machine; heating system/ heater: fresh air supply

Properties: fabric reinforced; super-light weight; highly flexible + compressible 6:1; good resistance to alkalis and acids; good resistance to chemicals; flame-retardant wall according to: NF P 92-503 M2; conforms to RoHS guideline

Temperature Range: -10°C to 80°C; short time to 110°C

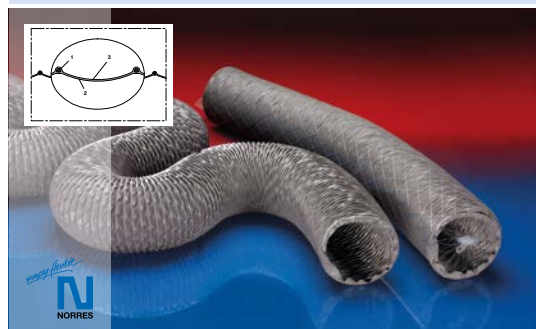
Design, Material: PROTAPE® tape hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: PVC coated fabric; wall thickness 0,25 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
Colour grey							
- / 40	43	0,300	0,170	23	0,100	6 10	371-0040-0000
2 / 50-51	54	0,240	0,145	29	0,120	6 10	371-0051-0000
2,36 / 60	63	0,200	0,110	33	0,140	6 10	371-0060-0000
3 / 75-76	79	0,160	0,080	41	0,180	6 10	371-0076-0000
- / 80	83	0,150	0,080	43	0,190	6 10	371-0080-0000
3,5 / 89-90	93	0,135	0,070	48	0,200	6 10	371-0090-0000
4 / 100-102	105	0,120	0,050	54	0,240	6 10	371-0102-0000
- / 110	113	0,110	0,045	58	0,270	6 10	371-0110-0000
5 / 125-127	130	0,095	0,035	67	0,320	6 10	371-0127-0000
5,5 / 140	143	0,085	0,035	73	0,350	6 10	371-0140-0000
6 / 150-152	155	0,080	0,035	79	0,370	6 10	371-0152-0000
6,3 / 160	163	0,075	0,020	83	0,440	6 10	371-0160-0000
7 / 178-180	183	0,065	0,020	93	0,540	6 10	371-0180-0000
8 / 200-203	206	0,060	0,020	105	0,600	6 10	371-0203-0000
10 / 254	258	0,045	0,015	131	0,790	6 10	371-0254-0000
12 / 305	309	0,040	0,010	157	0,950	6 10	371-0305-0000
14 / 356	360	0,035	0,010	182	1,110	6 10	371-0356-0000
16 / 405-406	410	0,030	0,005	207	1,280	6 10	371-0406-0000
20 / 508	514	0,025	0,005	260	1,560	6 10	371-0508-0000

Delivery variants: further diameters and lengths available on request; grey (standard), black, white; customer-specific branding; compressed packed in poly bag (low transportation cost / risk, minimum storage size)

Accessories: 208, 228, 223, 270-271

PROTAPE® PVC 371 HT



PVC ducting, (to +120°C)

Applications: flexible hose/ ducting for gases; welding fume extraction; extraction arm; construction industry: tunnel ventilation; tent heating, airport gangway heating, heaters for construction sites; heating system/ heater: fresh air supply

Properties: fabric reinforced; super-light weight; highly flexible + compressible 6:1; very good heat resistance; good resistance to alkalis and acids; good resistance to chemicals; flame-retardant wall according to: NF P 92-503 M1; conforms to RoHS guideline

Temperature Range: -10°C to 110°C; short time to 120°C

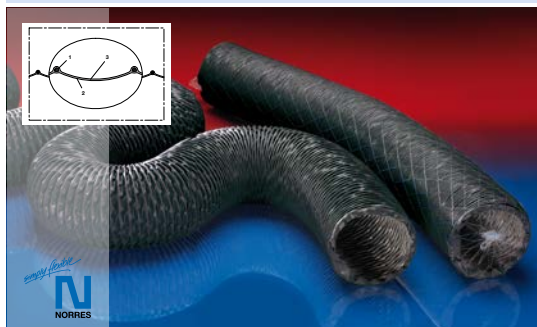
Design, Material: PROTAPE® tape hose; spring steel wire integrated in wall; fabric-reinforced tape; Wall: PVC coated glass fabric; wall thickness 0,25 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	54	0,240	0,145	29	0,120	7,5 15	371-0051-1015
3 / 75-76	79	0,160	0,080	41	0,180	7,5 15	371-0076-1015
- / 80	83	0,150	0,080	43	0,190	7,5 15	371-0080-1015
3,5 / 89-90	93	0,135	0,070	48	0,200	7,5 15	371-0090-1015
4 / 100-102	105	0,120	0,050	54	0,240	7,5 15	371-0102-1015
- / 110	113	0,110	0,045	58	0,270	7,5 15	371-0110-1015
5 / 125-127	130	0,095	0,035	67	0,320	7,5 15	371-0127-1015
5,5 / 140	143	0,085	0,035	73	0,350	7,5 15	371-0140-1015
6 / 150-152	155	0,080	0,035	79	0,370	7,5 15	371-0152-1015
6,3 / 160	163	0,075	0,020	83	0,440	7,5 15	371-0160-1015
7 / 178-180	183	0,065	0,020	93	0,540	7,5 15	371-0180-1015
8 / 200-203	206	0,060	0,020	105	0,600	7,5 15	371-0203-1015
10 / 254	258	0,045	0,015	131	0,790	7,5 15	371-0254-1015
12 / 305	309	0,040	0,010	157	0,950	7,5 15	371-0305-1015

Delivery variants: further diameters and lengths available on request; grey (standard); customer-specific branding; compressed packed in poly bag (low transportation cost / risk, minimum storage size)

Accessories: 208, 228, 223, 270-271

PROTAPE® PUR 370



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	59	0,905	0,335	34	0,840	7,5 15	370-0051-0000
2,36 / 60	68	0,755	0,285	38	0,810	7,5 15	370-0060-0000
2,5 / 63-65	73	0,700	0,265	38	0,800	7,5 15	370-0065-0000
3 / 75-76	84	0,680	0,23	38	0,774	7,5 15	370-0076-0000
- / 80	88	0,570	0,215	32	0,780	7,5 15	370-0080-0000
3,5 / 89-90	98	0,505	0,19	38	0,800	7,5 15	370-0090-0000
4 / 100-102	110	0,455	0,14	41	0,804	7,5 15	370-0102-0000
- / 110	120	0,415	0,12	33	0,810	7,5 15	370-0110-0000
5 / 125-127	138	0,365	0,105	32	0,925	7,5 15	370-0127-0000
5,5 / 140	151	0,325	0,095	35	1,040	7,5 15	370-0140-0000
6 / 150-152	163	0,305	0,085	32	1,070	7,5 15	370-0152-0000
6,5 / 165	176	0,275	0,08	50	1,274	7,5 15	370-0165-0000
7 / 178-180	196	0,255	0,075	58	1,478	7,5 15	370-0180-0000
8 / 200-203	216	0,230	0,055	69	1,750	7,5 15	370-0203-0000
10 / 254	268	0,180	0,045	59	1,990	7,5 15	370-0254-0000

Polyurethane ducting, (to +125°C)

Applications: flexible hose/ ducting for gases and for abrasive dust, powder, fibres; air supply: UV dryer, IR dryer; welding fume extraction; extraction arm; construction industry: tunnel ventilation; tent heating, airport gangway heating, heaters for construction sites

Properties: fabric reinforced; super-light weight; highly flexible + compressible 4:1; abrasion-resistant; good resistance to oil, gasoline and chemicals; flame-retardant wall according to: NF P 92-503 M1; conforms to RoHS guideline

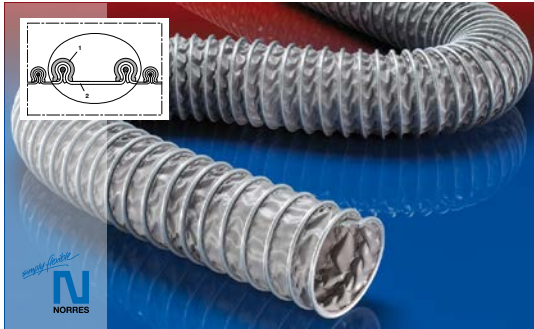
Temperature Range: -40°C to 125°C

Design, Material: PROTAPE® tape hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: polyurethane coated fabric; wall thickness 0,25 mm approx.

Delivery variants: further diameters and lengths available on request; dark-grey (standard); customer-specific branding; compressed packed in poly bag (low transportation cost / risk, minimum storage size)

Accessories: 208, 228, 223, 270-271

CP PVC 465

**PVC clamp profile hose (clip hose), (to +110°C)**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; welding fume extraction; extraction arm

Properties: fabric reinforced; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; good resistance to alkalis and acids; good resistance to chemicals; flame-retardant wall according to: NF P 92-503 M2; conforms to RoHS guideline

Temperature Range: -10°C to 80°C; short time to 110°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; fabric-reinforced tape; wall: PVC coated fabric

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	50	0,525	0,350	14	0,34	6	465-0038-0000
- / 40	52	0,515	0,340	15	0,36	6	465-0040-0000
2 / 50-51	62	0,470	0,340	18	0,44	6	465-0050-0000
- / 55	67	0,450	0,280	20	0,47	6	465-0055-0000
2,36 / 60	72	0,430	0,250	20	0,51	6	465-0060-0000
2,5 / 63-65	77	0,410	0,230	22	0,54	6	465-0065-0000
- / 70	82	0,395	0,210	-29	0,59	6	465-0070-0000
3 / 75-76	87	0,380	0,180	24	0,63	6	465-0075-0000
- / 80	92	0,370	0,160	24	0,66	6	465-0080-0000
3,5 / 89-90	102	0,345	0,110	26	0,74	6	465-0090-0000
4 / 100-102	112	0,210	0,100	28	0,54	6	465-0100-0000
- / 110	122	0,200	0,085	30	0,58	3 6	465-0110-0000
4,5 / 114-115	127	0,195	0,080	32	0,60	3 6	465-0115-0000
4,72 / 120	132	0,190	0,075	32	0,63	3 6	465-0120-0000
5 / 125-127	137	0,185	0,070	34	0,66	3 6	465-0125-0000
- / 130	142	0,180	0,060	34	0,68	3 6	465-0130-0000
5,5 / 140	152	0,175	0,050	36	0,73	3 6	465-0140-0000
6 / 150-152	162	0,140	0,040	38	0,79	3 6	465-0150-0000
6,3 / 160	172	0,135	0,035	40	0,83	3 6	465-0160-0000
6,5 / 165	177	0,135	0,035	41	0,85	3 6	465-0165-0000
- / 170	182	0,130	0,035	42	0,88	3 6	465-0170-0000
- / 175	187	0,130	0,030	44	0,90	3 6	465-0175-0000
7 / 178-180	192	0,125	0,030	44	0,93	3 6	465-0180-0000
8 / 200-203	212	0,105	0,025	48	0,80	3 6	465-0200-0000
- / 215	227	0,100	0,020	52	0,85	3 6	465-0215-0000
- / 225	237	0,095	0,020	54	0,88	3 6	465-0225-0000
9 / 228-229	240	0,095	0,020	54	0,90	3 6	465-0228-0000
- / 250	262	0,075	0,020	58	0,98	3 6	465-0250-0000
10 / 254	266	0,075	0,020	59	1,00	3 6	465-0254-0000
- / 275	287	0,070	0,015	64	1,08	3 6	465-0275-0000
11 / 280	292	0,070	0,015	65	1,10	3 6	465-0280-0000
- / 300	312	0,065	0,010	68	1,17	3 6	465-0300-0000
12 / 305	317	0,065	0,010	69	1,19	3 6	465-0305-0000
- / 315	327	0,065	0,010	71	1,23	3 6	465-0315-0000
- / 325	337	0,060	0,010	74	1,27	3 6	465-0325-0000
13 / 330	342	0,060	0,010	75	1,29	3 6	465-0330-0000
- / 350	362	0,050	0,010	78	1,36	3 6	465-0350-0000
14 / 356	368	0,050	0,010	79	1,39	3 6	465-0356-0000
- / 375	387	0,045	0,010	83	1,46	3 6	465-0375-0000
- / 400	412	0,045	0,010	88	1,55	3 6	465-0400-0000
16 / 405-406	418	0,045	0,010	89	1,58	3 6	465-0406-0000
- / 450	462	0,040	0,005	98	1,75	3 6	465-0450-0000
18 / 457	469	0,040	0,005	100	1,77	3 6	465-0457-0000
- / 500	512	0,040	0,005	108	1,94	3 6	465-0500-0000
20 / 508	520	0,025	0,005	110	1,97	3 6	465-0508-0000
- / 600	612	0,025	0,005	128	2,32	3 6	465-0600-0000
24 / 610	622	0,025	0,005	130	2,36	3 6	465-0610-0000
- / 700	712	0,020	0,002	148	2,70	3 6	465-0700-0000
28 / 712	724	0,020	0,001	151	2,75	3 6	465-0712-0000
- / 750	762	0,020	0,001	158	2,90	3 6	465-0750-0000
- / 800	812	0,020	0,001	168	3,09	3 6	465-0800-0000
32 / 813-815	827	0,020	0,001	171	3,14	3 6	465-0815-0000
- / 900	912	0,015	0,001	188	3,47	3 6	465-0900-0000
36 / 915	927	0,015	0,001	191	3,53	3 6	465-0915-0000
- / 1000	1012	0,010	0,001	208	3,85	3 6	465-1000-0000
40 / 1016	1028	0,010	0,001	211	3,91	3 6	465-1016-0000

Delivery variants: further diameters and lengths available on request; grey (standard), black; stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP PVC 465 EC


**Electrically conductive PVC clamp profile hose (clip hose),
(to +110°C)**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; welding fume extraction; extraction arm; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area

Properties: fabric reinforced; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; good resistance to alkalis and acids; good resistance to chemicals; surface resistance approx. $10^6 \Omega$; conforms to RoHS guideline

Temperature Range: -10°C to 80°C; short time to 110°C

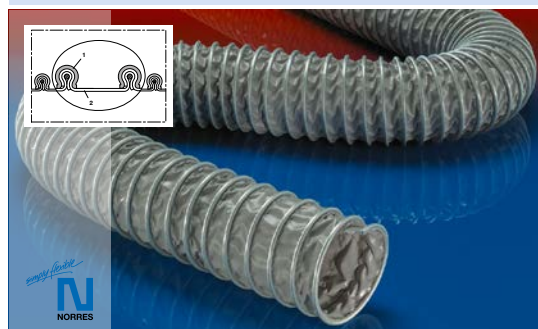
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; fabric-reinforced tape; wall: PVC coated fabric

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,470	0,340	20	0,650	6	465-0050-1003
- / 55	67	0,450	0,280	22	0,700	6	465-0055-1003
2,36 / 60	72	0,430	0,250	22	0,750	6	465-0060-1003
2,5 / 63-65	77	0,410	0,230	24	0,810	6	465-0065-1003
- / 70	82	0,395	0,210	25	0,860	6	465-0070-1003
3 / 75-76	87	0,380	0,180	26	0,910	6	465-0075-1003
- / 80	92	0,370	0,160	26	0,970	6	465-0080-1003
3,5 / 89-90	102	0,345	0,110	28	1,070	6	465-0090-1003
4 / 100-102	112	0,210	0,100	31	0,870	6	465-0100-1003
- / 110	122	0,200	0,085	33	0,950	3 6	465-0110-1003
4,5 / 114-115	127	0,195	0,080	35	0,990	3 6	465-0115-1003
4,72 / 120	132	0,190	0,075	35	1,030	3 6	465-0120-1003
5 / 125-127	137	0,185	0,070	37	1,050	3 6	465-0125-1003
- / 130	142	0,180	0,060	37	1,110	3 6	465-0130-1003
5,5 / 140	152	0,175	0,050	39	1,190	3 6	465-0140-1003
6 / 150-152	162	0,140	0,040	41	0,840	3 6	465-0150-1003
6,3 / 160	172	0,135	0,035	43	0,890	3 6	465-0160-1003
6,5 / 165	177	0,135	0,035	44	0,915	3 6	465-0165-1003
- / 170	182	0,130	0,035	45	0,940	3 6	465-0170-1003
- / 175	187	0,130	0,030	47	0,960	3 6	465-0175-1003
7 / 178-180	192	0,125	0,030	47	0,990	3 6	465-0180-1003
8 / 200-203	212	0,105	0,025	51	0,850	3 6	465-0200-1003
- / 215	227	0,100	0,020	55	0,910	3 6	465-0215-1003
- / 225	237	0,095	0,020	57	0,940	3 6	465-0225-1003
9 / 228-229	240	0,095	0,020	57	0,950	3 6	465-0228-1003
- / 250	262	0,075	0,020	61	1,040	3 6	465-0250-1003
10 / 254	266	0,075	0,020	62	1,055	3 6	465-0254-1003
- / 275	287	0,070	0,015	67	1,140	3 6	465-0275-1003
11 / 280	292	0,070	0,015	68	1,160	3 6	465-0280-1003
- / 300	312	0,065	0,010	71	1,230	3 6	465-0300-1003
12 / 305	317	0,065	0,010	72	1,255	3 6	465-0305-1003
- / 315	327	0,065	0,010	74	1,300	3 6	465-0315-1003
- / 325	337	0,060	0,010	77	1,340	3 6	465-0325-1003
13 / 330	342	0,060	0,010	78	1,360	3 6	465-0330-1003
- / 350	362	0,050	0,010	81	1,430	3 6	465-0350-1003
14 / 356	368	0,050	0,010	82	1,455	3 6	465-0356-1003
- / 375	387	0,045	0,010	86	1,530	3 6	465-0375-1003
- / 400	412	0,045	0,010	91	1,620	3 6	465-0400-1003
16 / 405-406	418	0,045	0,010	92	1,645	3 6	465-0406-1003
- / 450	462	0,040	0,005	101	1,820	3 6	465-0450-1003
18 / 457	469	0,040	0,005	103	1,845	3 6	465-0457-1003
- / 500	512	0,040	0,005	111	2,010	3 6	465-0500-1003
20 / 508	520	0,025	0,005	113	2,040	3 6	465-0508-1003
- / 600	612	0,025	0,005	131	2,410	3 6	465-0600-1003
24 / 610	622	0,025	0,005	133	2,450	3 6	465-0610-1003
- / 700	712	0,020	0,002	151	2,790	3 6	465-0700-1003
28 / 712	724	0,020	0,001	154	2,835	3 6	465-0712-1003
- / 750	762	0,020	0,001	161	2,970	3 6	465-0750-1003
- / 800	812	0,020	0,001	171	2,970	3 6	465-0800-1003
32 / 813-815	827	0,020	0,001	174	3,060	3 6	465-0815-1003
- / 900	912	0,015	0,001	191	3,560	3 6	465-0900-1003
36 / 915	927	0,015	0,001	194	3,620	3 6	465-0915-1003
- / 1000	1012	0,010	0,001	211	3,950	3 6	465-1000-1003
40 / 1016	1028	0,010	0,001	214	4,010	3 6	465-1016-1003

Delivery variants: further diameters and lengths available on request; black (standard); stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP PVC 466 HT



PVC clamp profile hose (clip hose), (to +120°C)

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; welding fume extraction; extraction arm

Properties: fabric reinforced; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; very good heat resistance; good resistance to alkalis and acids; good resistance to chemicals; flame-retardant wall according to: NF P 92-503 M1; conforms to RoHS guideline

Temperature Range: -10°C to 110°C; short time to 120°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; fabric-reinforced tape; Wall: PVC coated glass fabric

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	50	0,900	0,370	14	0,23	6	466-0038-0000
- / 40	52	0,870	0,360	15	0,36	6	466-0040-0000
2 / 50-51	62	0,820	0,320	18	0,44	6	466-0050-0000
- / 55	67	0,750	0,260	20	0,48	6	466-0055-0000
2,36 / 60	72	0,650	0,220	20	0,52	6	466-0060-0000
2,5 / 63-65	77	0,590	0,200	22	0,55	6	466-0065-0000
- / 70	82	0,520	0,170	22	0,59	6	466-0070-0000
3 / 75-76	87	0,450	0,145	24	0,64	6	466-0075-0000
- / 80	92	0,420	0,120	24	0,67	6	466-0080-0000
3,5 / 89-90	102	0,350	0,105	26	0,75	6	466-0090-0000
4 / 100-102	112	0,300	0,090	28	0,55	6	466-0100-0000
- / 110	122	0,250	0,070	30	0,59	3 6	466-0110-0000
4,5 / 114-115	127	0,230	0,065	32	0,62	3 6	466-0115-0000
4,72 / 120	132	0,220	0,060	32	0,64	3 6	466-0120-0000
5 / 125-127	137	0,210	0,055	34	0,67	3 6	466-0125-0000
- / 130	142	0,190	0,050	34	0,69	3 6	466-0130-0000
5,5 / 140	152	0,170	0,045	36	0,74	3 6	466-0140-0000
6 / 150-152	162	0,160	0,040	38	0,80	3 6	466-0150-0000
6,3 / 160	172	0,140	0,035	40	0,84	3 6	466-0160-0000
6,5 / 165	177	0,135	0,035	41	0,87	3 6	466-0165-0000
- / 170	182	0,130	0,030	42	0,90	3 6	466-0170-0000
- / 175	187	0,120	0,025	44	0,92	3 6	466-0175-0000
7 / 178-180	192	0,115	0,022	44	0,95	3 6	466-0180-0000
8 / 200-203	212	0,100	0,020	48	0,81	3 6	466-0200-0000
- / 215	227	0,085	0,018	52	0,86	3 6	466-0215-0000
- / 225	237	0,080	0,016	54	0,90	3 6	466-0225-0000
9 / 228-229	240	0,080	0,015	54	0,92	3 6	466-0228-0000
- / 250	262	0,070	0,012	58	1,00	3 6	466-0250-0000
10 / 254	266	0,070	0,010	59	1,02	3 6	466-0254-0000
- / 275	287	0,060	0,010	64	1,10	3 6	466-0275-0000
11 / 280	292	0,060	0,010	65	1,12	3 6	466-0280-0000
- / 300	312	0,055	0,009	68	1,20	3 6	466-0300-0000
12 / 305	317	0,055	0,010	69	1,22	3 6	466-0305-0000
- / 315	327	0,050	0,008	71	1,26	3 6	466-0315-0000
- / 325	337	0,045	0,007	74	1,29	3 6	466-0325-0000
13 / 330	342	0,045	0,005	75	1,31	3 6	466-0330-0000
- / 350	362	0,040	0,006	78	1,39	3 6	466-0350-0000
14 / 356	368	0,040	0,005	79	1,42	3 6	466-0356-0000
- / 375	387	0,035	0,005	83	1,49	3 6	466-0375-0000
- / 400	412	0,030	0,005	88	1,59	3 6	466-0400-0000
16 / 405-406	418	0,030	0,005	89	1,61	3 6	466-0406-0000
- / 450	462	0,025	0,004	98	1,78	3 6	466-0450-0000
18 / 457	469	0,025	0,005	100	1,81	3 6	466-0457-0000
- / 500	512	0,020	0,003	108	1,98	3 6	466-0500-0000
20 / 508	520	0,020	0,005	110	2,01	3 6	466-0508-0000
- / 600	612	0,015	0,002	128	2,37	3 6	466-0600-0000
24 / 610	622	0,015	0,002	130	2,41	3 6	466-0610-0000
- / 700	712	0,015	0,002	148	2,76	3 6	466-0700-0000
28 / 712	724	0,015	0,002	151	2,81	3 6	466-0712-0000
- / 750	762	0,015	0,001	158	2,96	3 6	466-0750-0000
- / 800	812	0,010	0,001	168	3,15	3 6	466-0800-0000
32 / 813-815	827	0,010	0,001	171	3,21	3 6	466-0815-0000
- / 900	912	0,010	0,001	188	3,54	3 6	466-0900-0000
36 / 915	927	0,010	0,001	191	3,60	3 6	466-0915-0000
- / 1000	1012	0,010	0,001	208	3,93	3 6	466-1000-0000
40 / 1016	1028	0,010	0,001	211	4,00	3 6	466-1016-0000

Delivery variants: further diameters and lengths available on request; grey (standard); stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP HiTex 467 WELDING



Clamp profile hose (clip hose) for flying sparks or welding sparks, (to +280°C)

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; welding fume extraction; extraction arm

Properties: very good resistance to flying sparks and welding sparks; fabric reinforced; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; extremely heat resistant; flame-retardant; conforms to RoHS guideline

Temperature Range: -70°C to 260°C; short time to 280°C

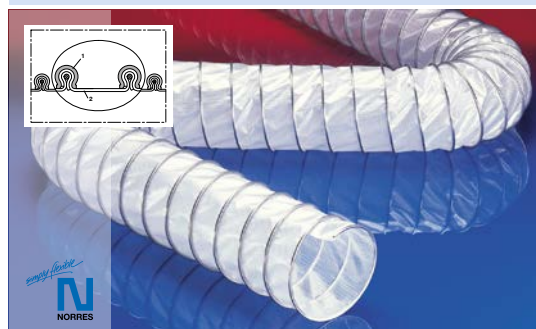
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; fabric-reinforced tape; wall: special-coated high-temperature fabric

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,850	0,320	18	0,680	6	467-0050-0000
- / 55	67	0,820	0,260	20	0,740	6	467-0055-0000
2,36 / 60	72	0,720	0,220	20	0,800	6	467-0060-0000
2,5 / 63-65	77	0,680	0,200	22	0,860	6	467-0065-0000
- / 70	82	0,650	0,170	22	0,920	6	467-0070-0000
3 / 75-76	87	0,620	0,145	24	0,980	6	467-0075-0000
- / 80	92	0,600	0,120	24	1,040	6	467-0080-0000
3,5 / 89-90	102	0,550	0,105	26	1,160	6	467-0090-0000
4 / 100-102	112	0,520	0,090	28	0,950	6	467-0100-0000
- / 110	122	0,480	0,070	30	1,040	3 6	467-0110-0000
4,5 / 114-115	127	0,400	0,065	32	1,090	3 6	467-0115-0000
4,72 / 120	132	0,350	0,060	32	1,130	3 6	467-0120-0000
5 / 125-127	137	0,320	0,055	34	1,180	3 6	467-0125-0000
- / 130	142	0,280	0,050	34	1,220	3 6	467-0130-0000
5,5 / 140	152	0,250	0,045	36	1,310	3 6	467-0140-0000
6 / 150-152	162	0,220	0,040	38	0,950	3 6	467-0150-0000
6,3 / 160	172	0,210	0,035	40	1,010	3 6	467-0160-0000
6,5 / 165	177	0,205	0,035	41	1,040	3 6	467-0165-0000
- / 170	182	0,200	0,030	42	1,070	3 6	467-0170-0000
- / 175	187	0,190	0,025	44	1,100	3 6	467-0175-0000
7 / 178-180	192	0,180	0,022	44	1,130	3 6	467-0180-0000
8 / 200-203	212	0,150	0,020	48	1,250	3 6	467-0200-0000
- / 215	227	0,130	0,018	52	1,340	3 6	467-0215-0000
- / 225	237	0,110	0,016	54	1,400	3 6	467-0225-0000
9 / 228-229	240	0,110	0,015	54	1,420	3 6	467-0228-0000
- / 250	262	0,100	0,012	58	1,560	3 6	467-0250-0000
10 / 254	266	0,095	0,010	59	1,585	3 6	467-0254-0000
- / 275	287	0,080	0,010	64	1,710	3 6	467-0275-0000
11 / 280	292	0,080	0,010	65	1,740	3 6	467-0280-0000
- / 300	312	0,070	0,009	68	1,860	3 6	467-0300-0000
12 / 305	317	0,070	0,010	69	1,890	3 6	467-0305-0000
- / 315	327	0,063	0,008	71	1,950	3 6	467-0315-0000
- / 325	337	0,060	0,007	74	2,030	3 6	467-0325-0000
13 / 330	342	0,060	0,007	75	2,055	3 6	467-0330-0000
- / 350	362	0,055	0,006	78	2,160	3 6	467-0350-0000
14 / 356	368	0,055	0,005	79	2,185	3 6	467-0356-0000
- / 375	387	0,050	0,005	83	2,260	3 6	467-0375-0000
- / 400	412	0,048	0,005	88	2,470	3 6	467-0400-0000
16 / 405-406	418	0,048	0,005	89	2,505	3 6	467-0406-0000
- / 450	462	0,045	0,004	98	2,770	3 6	467-0450-0000
18 / 457	469	0,045	0,004	100	2,810	3 6	467-0457-0000
- / 500	512	0,042	0,003	108	3,070	3 6	467-0500-0000
20 / 508	520	0,040	0,003	110	3,120	3 6	467-0508-0000
- / 600	612	0,038	0,002	128	3,680	3 6	467-0600-0000
24 / 610	622	0,035	0,002	130	3,740	3 6	467-0610-0000
- / 700	712	0,030	0,002	148	4,290	3 6	467-0700-0000
28 / 712	724	0,030	0,002	151	4,365	3 6	467-0712-0000
- / 750	762	0,025	0,001	158	4,600	3 6	467-0750-0000
- / 800	812	0,020	0,001	168	4,900	3 6	467-0800-0000
32 / 813-815	827	0,020	0,001	171	4,990	3 6	467-0815-0000
- / 900	912	0,015	0,001	188	5,500	3 6	467-0900-0000
36 / 915	927	0,015	0,001	191	5,590	3 6	467-0915-0000
- / 1000	1012	0,015	0,001	208	6,110	3 6	467-1000-0000
40 / 1016	1028	0,015	0,001	211	6,210	3 6	467-1016-0000

Delivery variants: further diameters and lengths available on request; black (standard); stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP PE 457

**Polyethylene clamp profile hose (clip hose)**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; asbestos removal; construction drying

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; odourless and tasteless; good resistance to alkalis and acids; extremely good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -35°C to 80°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: polyethylene fabric (LDPE + HDPE)

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,490	0,270	18	0,44	6	457-0050-0000
- / 55	67	0,460	0,250	20	0,47	6	457-0055-0000
2,36 / 60	72	0,440	0,220	20	0,51	6	457-0060-0000
2,5 / 63-65	77	0,420	0,200	22	0,54	6	457-0065-0000
- / 70	82	0,400	0,180	22	0,59	6	457-0070-0000
3 / 75-76	87	0,380	0,160	24	0,63	6	457-0075-0000
- / 80	92	0,365	0,140	24	0,67	6	457-0080-0000
3,5 / 89-90	102	0,340	0,100	26	0,75	6	457-0090-0000
4 / 100-102	112	0,225	0,085	28	0,54	6	457-0100-0000
- / 110	122	0,210	0,075	30	0,58	3 6	457-0110-0000
4,5 / 114-115	127	0,205	0,070	32	0,61	3 6	457-0115-0000
4,72 / 120	132	0,200	0,065	32	0,64	3 6	457-0120-0000
5 / 125-127	137	0,195	0,060	34	0,66	3 6	457-0125-0000
- / 130	142	0,180	0,055	34	0,69	3 6	457-0130-0000
5,5 / 140	152	0,180	0,040	36	0,74	3 6	457-0140-0000
6 / 150-152	162	0,120	0,035	38	0,79	3 6	457-0150-0000
6,3 / 160	172	0,115	0,030	40	0,84	3 6	457-0160-0000
6,5 / 165	177	0,110	0,030	41	0,86	3 6	457-0165-0000
- / 170	182	0,110	0,030	42	0,89	3 6	457-0170-0000
- / 175	187	0,110	0,030	44	0,91	3 6	457-0175-0000
7 / 178-180	192	0,110	0,025	44	0,94	3 6	457-0180-0000
8 / 200-203	212	0,100	0,020	48	0,81	3 6	457-0200-0000
- / 215	227	0,095	0,020	52	0,86	3 6	457-0215-0000
- / 225	237	0,090	0,020	54	0,89	3 6	457-0225-0000
9 / 228-229	240	0,08	0,020	54	0,91	3 6	457-0228-0000
- / 250	262	0,070	0,015	58	0,99	3 6	457-0250-0000
10 / 254	266	0,065	0,015	59	1,01	3 6	457-0254-0000
- / 275	287	0,060	0,015	64	1,09	3 6	457-0275-0000
11 / 280	292	0,060	0,015	65	1,11	3 6	457-0280-0000
- / 300	312	0,060	0,010	68	1,18	3 6	457-0300-0000
12 / 305	317	0,055	0,010	69	1,2	3 6	457-0305-0000
- / 315	327	0,050	0,010	71	1,24	3 6	457-0315-0000
- / 325	337	0,045	0,010	74	1,28	3 6	457-0325-0000
13 / 330	342	0,045	0,010	75	1,3	3 6	457-0330-0000
- / 350	362	0,045	0,010	78	1,38	3 6	457-0350-0000
14 / 356	368	0,040	0,010	79	1,4	3 6	457-0356-0000
- / 375	387	0,040	0,010	83	1,47	3 6	457-0375-0000
- / 400	412	0,040	0,005	88	1,57	3 6	457-0400-0000
16 / 405-406	418	0,035	0,005	89	1,59	3 6	457-0406-0000
- / 450	462	0,035	0,005	98	1,76	3 6	457-0450-0000
18 / 457	469	0,035	0,005	100	1,79	3 6	457-0457-0000
- / 500	512	0,025	0,005	108	1,96	3 6	457-0500-0000
20 / 508	520	0,025	0,005	110	1,99	3 6	457-0508-0000
- / 600	612	0,025	0,005	128	2,35	3 6	457-0600-0000
24 / 610	622	0,025	0,005	130	2,38	3 6	457-0610-0000
- / 700	712	0,020	0,002	148	2,73	3 6	457-0700-0000
28 / 712	724	0,020	0,001	151	2,78	3 6	457-0712-0000
- / 750	762	0,020	0,001	158	2,93	3 6	457-0750-0000
- / 800	812	0,015	0,001	168	3,12	3 6	457-0800-0000
32 / 813-815	827	0,015	0,001	171	3,18	3 6	457-0815-0000
- / 900	912	0,015	0,001	188	3,51	3 6	457-0900-0000
36 / 915	927	0,015	0,001	191	3,56	3 6	457-0915-0000
- / 1000	1012	0,015	0,001	208	3,89	3 6	457-1000-0000
40 / 1016	1028	0,015	0,001	211	3,96	3 6	457-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP PE 457 EC


Electrically conductive polyethylene clamp profile hose (clip hose)

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; extraction arm; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; good resistance to alkalis and acids; extremely good resistance to chemicals; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -35°C to 80°C

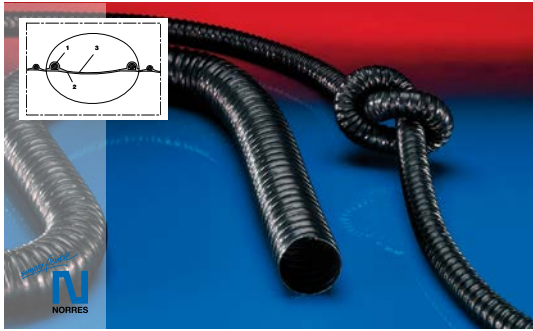
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: electrically conductive polyethylene (PE)

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	50	0,580	0,310	14	0,480	6	457-0038-1003
- / 40	52	0,560	0,305	15	0,500	6	457-0040-1003
2 / 50-51	62	0,490	0,270	18	0,600	6	457-0050-1003
- / 55	67	0,460	0,250	20	0,650	6	457-0055-1003
2,36 / 60	72	0,440	0,220	20	0,700	6	457-0060-1003
2,5 / 63-65	77	0,420	0,200	22	0,760	6	457-0065-1003
- / 70	82	0,400	0,180	22	0,810	6	457-0070-1003
3 / 75-76	87	0,380	0,160	24	0,860	6	457-0075-1003
- / 80	92	0,365	0,140	24	0,920	6	457-0080-1003
3,5 / 89-90	102	0,340	0,100	26	1,020	6	457-0090-1003
4 / 100-102	112	0,225	0,085	28	0,820	6	457-0100-1003
- / 110	122	0,210	0,075	30	0,900	3 6	457-0110-1003
4,5 / 114-115	127	0,205	0,070	32	0,940	3 6	457-0115-1003
4,72 / 120	132	0,200	0,065	32	0,980	3 6	457-0120-1003
5 / 125-127	137	0,195	0,060	34	1,000	3 6	457-0125-1003
- / 130	142	0,190	0,055	34	1,060	3 6	457-0130-1003
5,5 / 140	152	0,180	0,040	36	1,140	3 6	457-0140-1003
6 / 150-152	162	0,120	0,035	38	0,820	3 6	457-0150-1003
6,3 / 160	172	0,115	0,030	40	0,840	3 6	457-0160-1003
6,5 / 165	177	0,110	0,030	41	0,865	3 6	457-0165-1003
- / 170	182	0,110	0,030	42	0,890	3 6	457-0170-1003
- / 175	187	0,110	0,030	44	0,910	3 6	457-0175-1003
7 / 178-180	192	0,110	0,025	44	0,940	3 6	457-0180-1003
8 / 200-203	212	0,100	0,020	48	0,800	3 6	457-0200-1003
- / 215	227	0,095	0,020	52	0,860	3 6	457-0215-1003
- / 225	237	0,090	0,020	54	0,890	3 6	457-0225-1003
9 / 228-229	240	0,080	0,020	54	0,900	3 6	457-0228-1003
- / 250	262	0,070	0,015	58	0,990	3 6	457-0250-1003
10 / 254	266	0,065	0,015	59	1,005	3 6	457-0254-1003
- / 275	287	0,060	0,015	64	1,090	3 6	457-0275-1003
11 / 280	292	0,060	0,015	65	1,110	3 6	457-0280-1003
- / 300	312	0,060	0,010	68	1,180	3 6	457-0300-1003
12 / 305	317	0,055	0,010	69	1,205	3 6	457-0305-1003
- / 315	327	0,050	0,010	71	1,250	3 6	457-0315-1003
- / 325	337	0,045	0,010	74	1,290	3 6	457-0325-1003
13 / 330	342	0,045	0,010	75	1,310	3 6	457-0330-1003
- / 350	362	0,045	0,010	78	1,380	3 6	457-0350-1003
14 / 356	368	0,040	0,010	79	1,405	3 6	457-0356-1003
- / 375	387	0,040	0,010	83	1,480	3 6	457-0375-1003
- / 400	412	0,040	0,005	88	1,570	3 6	457-0400-1003
16 / 405-406	418	0,035	0,005	89	1,595	3 6	457-0406-1003
- / 450	462	0,035	0,005	98	1,770	3 6	457-0450-1003
18 / 457	469	0,035	0,005	100	1,795	3 6	457-0457-1003
- / 500	512	0,025	0,005	108	1,960	3 6	457-0500-1003
20 / 508	520	0,025	0,005	110	1,990	3 6	457-0508-1003
- / 600	612	0,025	0,005	128	2,360	3 6	457-0600-1003
24 / 610	622	0,025	0,005	130	2,400	3 6	457-0610-1003
- / 700	712	0,020	0,002	148	2,740	3 6	457-0700-1003
28 / 712	724	0,020	0,001	151	2,785	3 6	457-0712-1003
- / 750	762	0,020	0,001	158	2,920	3 6	457-0750-1003
- / 800	812	0,015	0,001	168	3,120	3 6	457-0800-1003
32 / 813-815	827	0,015	0,001	171	3,180	3 6	457-0815-1003
- / 900	912	0,015	0,001	188	3,510	3 6	457-0900-1003
36 / 915	927	0,015	0,001	191	3,570	3 6	457-0915-1003
- / 1000	1012	0,015	0,001	208	3,900	3 6	457-1000-1003
40 / 1016	1028	0,015	0,001	211	3,960	3 6	457-1016-1003

Delivery variants: further diameters and lengths available on request; black (standard); stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

PROTAPE® PE 322 EC

**Electrically conductive polyethylene hose, light**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; extraction arm; galvanic extraction; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area; Coal mine, mine, tunnelling; ventilation, methane extraction

Properties: light weight; highly flexible + compressible; good resistance to alkalis and acids; extremely good resistance to chemicals; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to RoHS guideline

Temperature Range: -35°C to 80°C

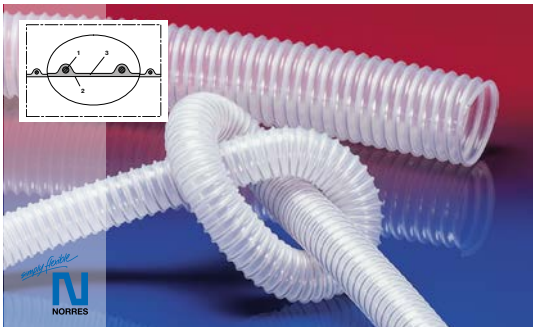
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 40	47	0,470	0,280	27	0,300	10	322-0040-1003
2 / 50-51	58	0,380	0,240	33	0,180	10	322-0050-1003
2,36 / 60	68	0,315	0,190	38	0,210	10	322-0060-1003
3 / 75-76	83	0,255	0,130	46	0,260	10	322-0075-1003
- / 80	88	0,240	0,120	48	0,290	10	322-0080-1003
3,5 / 89-90	98	0,210	0,100	53	0,310	10	322-0090-1003
4 / 100-102	108	0,190	0,080	58	0,370	10	322-0100-1003
- / 110	118	0,175	0,075	63	0,400	10	322-0110-1003
4,72 / 120	128	0,160	0,070	68	0,440	10	322-0120-1003
5 / 125-127	133	0,155	0,055	71	0,470	10	322-0125-1003
5,5 / 140	148	0,135	0,050	78	0,520	10	322-0140-1003
6 / 150-152	158	0,125	0,050	83	0,550	10	322-0150-1003
6,3 / 160	168	0,120	0,045	88	0,580	10	322-0160-1003
7 / 178-180	188	0,105	0,035	98	0,670	10	322-0180-1003
8 / 200-203	208	0,095	0,035	108	0,730	10	322-0200-1003
- / 250	258	0,075	0,015	133	0,990	10	322-0250-1003
- / 300	309	0,065	0,010	159	1,250	10	322-0300-1003

Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: electrically conductive polyethylene (PE); wall thickness 0,4 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

AIRDUC® PE 362 FOOD

**Polyethylene food hose and pharmaceutical hose, medium-heavy**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; tobacco industry: cigarette machine, tobacco conveying; galvanic extraction; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction

Properties: medium-heavy duty; Food grade wall, complies with: FDA 21 CFR 177.1520 3.1 and 3.2, EU-Directive 10/2011 and EC 1935/2004; odourless and tasteless; good resistance to alkalis and acids; extremely good resistance to chemicals; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -35°C to 80°C

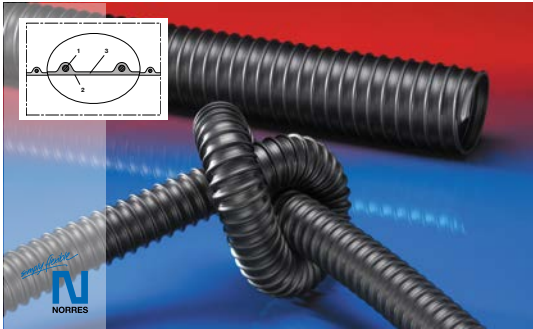
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	30	1,455	0,570	17	0,210	10 15	362-0025-0000
- / 28	34	1,375	0,540	20	0,250	10	362-0028-0000
- / 30	37	0,980	0,520	22	0,210	10	362-0030-0000
1,25 / 32	39	0,920	0,505	23	0,230	10	362-0032-0000
1,5 / 38	45	0,780	0,475	26	0,260	10	362-0038-0000
- / 40	47	0,740	0,460	27	0,280	10	362-0040-0000
1,75 / 44-45	52	0,660	0,430	30	0,310	10	362-0045-0000
2 / 50-51	57	0,595	0,395	32	0,340	10	362-0050-0000
- / 55	62	0,540	0,350	35	0,370	10	362-0055-0000
2,36 / 60	67	0,500	0,320	37	0,400	10	362-0060-0000
2,5 / 63-65	72	0,460	0,275	40	0,440	10	362-0065-0000
- / 70	79	0,430	0,230	44	0,560	10	362-0070-0000
3 / 75-76	84	0,400	0,210	47	0,600	10	362-0075-0000
- / 80	89	0,375	0,200	49	0,640	10	362-0080-0000
3,5 / 89-90	99	0,335	0,170	54	0,710	10	362-0090-0000
4 / 100-102	109	0,300	0,135	59	0,790	10	362-0100-0000
- / 110	119	0,275	0,120	64	0,860	10	362-0110-0000
4,72 / 120	129	0,250	0,115	69	0,940	10	362-0120-0000
5 / 125-127	134	0,240	0,090	72	0,980	10	362-0125-0000
6 / 150-152	159	0,200	0,090	84	1,160	10	362-0150-0000
6,3 / 160	169	0,190	0,075	89	1,240	10	362-0160-0000
8 / 200-203	210	0,150	0,060	110	1,550	10	362-0200-0000
- / 250	260	0,120	0,025	135	1,920	10	362-0250-0000

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special polyethylene (PE); wall thickness 0,8 mm approx.

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 223, 270-271

AIRDUC® PE 362 EC

**Electrically conductive polyethylene hose, medium-heavy**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area; Coal mine, mine, tunnelling: ventilation, methane extraction

Properties: medium-heavy duty; good resistance to alkalis and acids; extremely good resistance to chemicals; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to RoHS guideline

Temperature Range: -35°C to 80°C

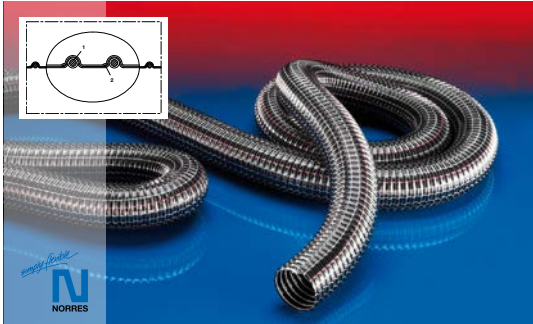
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,25 / 32	39	0,780	0,530	23	0,220	10	362-0032-1003
1,5 / 38	45	0,660	0,450	26	0,260	10	362-0038-1003
- / 40	47	0,630	0,425	27	0,270	10	362-0040-1003
2 / 50-51	57	0,505	0,340	32	0,330	10	362-0050-1003
2,36 / 60	67	0,425	0,295	37	0,400	10	362-0060-1003
- / 70	79	0,365	0,210	44	0,460	10	362-0070-1003
- / 80	89	0,320	0,185	49	0,520	10	362-0080-1003
3,5 / 89-90	99	0,285	0,165	54	0,590	10	362-0090-1003
4 / 100-102	109	0,255	0,145	59	0,760	10	362-0100-1003
5 / 125-127	134	0,205	0,120	72	0,940	10	362-0125-1003
5,5 / 140	149	0,185	0,105	79	1,060	10	362-0140-1003
6 / 150-152	159	0,170	0,100	84	1,130	10	362-0150-1003
6,3 / 160	169	0,160	0,090	89	1,210	10	362-0160-1003
8 / 200-203	210	0,130	0,075	110	1,510	10	362-0200-1003
- / 250	260	0,105	0,060	135	1,880	10	362-0250-1003
11 / 280	290	0,090	0,055	150	2,100	10	362-0280-1003
- / 300	310	0,085	0,050	160	2,260	10	362-0300-1003

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: electrically conductive polyethylene (PE); wall thickness 0,8 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 223, 270-271

SuperFlex PVC 372

**Highly flexible PVC hose, light**

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; industrial vacuum cleaners, vacuum cleaners; construction drying; medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose; scrubber, floor cleaning machine

Properties: light weight; highly flexible; good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: 0°C to 85°C

Design, Material: SuperFlex design; plastic coated spring steel wire; wall: high grade soft PVC

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
standard version, reinforced, left-hand pitch							
1 / 25	31	1,700	0,200	13	0,200	15	372-0025-0000
- / 28	34	1,600	0,200	14	0,230	15	372-0028-0000
1,25 / 32	38	1,500	0,200	16	0,280	15	372-0032-0000
1,36 / 35	41	1,400	0,200	18	0,310	15	372-0035-0000
1,5 / 38	44	1,400	0,200	19	0,340	15	372-0038-0000
- / 41	47	1,400	0,180	21	0,370	15	372-0041-0000
1,75 / 44-45	50	1,300	0,160	22	0,380	15	372-0044-0000
2 / 50-51	57	1,300	0,150	26	0,460	15	372-0051-0000
2,5 / 63-65	69	1,000	0,140	31	0,530	15	372-0063-0000
- / 70	76	0,900	0,120	35	0,580	15	372-0070-0000
3 / 75-76	82	0,800	0,100	38	0,680	15	372-0076-0000
- / 80	86	0,700	0,090	40	0,830	15	372-0080-0000
3,5 / 89-90	95	0,700	0,090	45	0,930	15	372-0089-0000
4 / 100-102	106	0,600	0,080	52	1,000	15	372-0100-0000
flexible type, less bending force, flexible at low temp. (down to -25°C), without reinforcement, right-hand pitch							
1 / 25	31	1,100	0,250	13	0,234	15	372-0025-0001
- / 28	34	0,950	0,240	14	0,257	15	372-0028-0001
1,25 / 32	38	0,875	0,230	16	0,290	15	372-0032-0001
1,36 / 35	41	0,800	0,225	18	0,315	15	372-0035-0001
1,5 / 38	44	0,740	0,215	19	0,339	15	372-0038-0001
- / 41	47	0,705	0,210	21	0,364	15	372-0041-0001
1,75 / 44-45	50	0,630	0,195	22	0,388	15	372-0044-0001
2 / 50-51	57	0,565	0,180	26	0,437	15	372-0051-0001
2,5 / 63-65	69	0,440	0,125	31	0,544	15	372-0063-0001
- / 70	76	0,410	0,105	35	0,607	15	372-0070-0001
3 / 75-76	82	0,380	0,095	38	0,653	15	372-0076-0001
- / 80	86	0,360	0,090	40	0,690	15	372-0080-0001
3,5 / 89-90	95	0,320	0,075	45	0,764	15	372-0089-0001
4 / 100-102	106	0,285	0,060	52	0,867	15	372-0100-0001

Delivery variants: further diameters and lengths available on request; black (standard)

Accessories: 208, 228, 223, 226, 270-271

EVA 373



I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
1,25 / 32	40,4	0,500	66	0,240	30	373-0032-0000
1,5 / 38	47,2	0,500	74	0,310	30	373-0038-0000
1,75 / 44-45	55,0	0,500	89	0,370	30	373-0045-0000
2 / 50-51	60,4	0,500	97	0,440	30	373-0050-0000

Delivery variants: further diameters and lengths available on request; grey (standard)

Accessories: 208, 228, 227

Vacuum cleaner hose

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; industrial vacuum cleaners, vacuum cleaners; swimming pool cleaning; scrubber, floor cleaning machine

Properties: light weight; highly flexible; crush resistant; floatable; good resistance to alkalis and acids; conforms to RoHS guideline

Temperature Range: -45°C to 65°C

Design, Material: EVA design; self-supporting profile design; open profile geometry; wall: EVA

EVA 373 AS



I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
1 / 25	32,2	0,500	54	0,150	30	373-0025-1002
1,25 / 32	40,4	0,500	66	0,240	30	373-0032-1002
1,36 / 35	43,8	0,500	71	0,260	30	373-0035-1002
1,5 / 38	47,2	0,500	74	0,310	30	373-0038-1002
- / 40	49,4	0,500	80	0,320	30	373-0040-1002
1,75 / 44-45	55,0	0,500	89	0,370	30	373-0045-1002
2 / 50-51	60,4	0,500	97	0,440	30	373-0050-1002
2,36 / 60	72,0	0,500	113	0,670	30	373-0060-1002

Delivery variants: further diameters and lengths available on request; black (standard)

Accessories: 208, 228, 227

Vacuum cleaner hose, antistatic <10¹¹ Ohm

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; industrial vacuum cleaners, vacuum cleaners; explosion hazard area; swimming pool cleaning; scrubber, floor cleaning machine

Properties: light weight; highly flexible; crush resistant; floatable; good resistance to alkalis and acids; surface resistance <10¹¹ Ω; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -25°C to 65°C

Design, Material: EVA design; self-supporting profile design; open profile geometry; wall: EVA

EVA 373 EC



I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
1 / 25	32,2	0,500	54	0,150	30	373-0025-1003
1,25 / 32	40,4	0,500	66	0,240	30	373-0032-1003
1,5 / 38	47,2	0,500	74	0,310	30	373-0038-1003
- / 40	49,4	0,500	80	0,320	30	373-0040-1003
2 / 50-51	60,4	0,500	97	0,440	30	373-0050-1003

Delivery variants: further diameters and lengths available on request; black (standard)

Accessories: 208, 228, 227

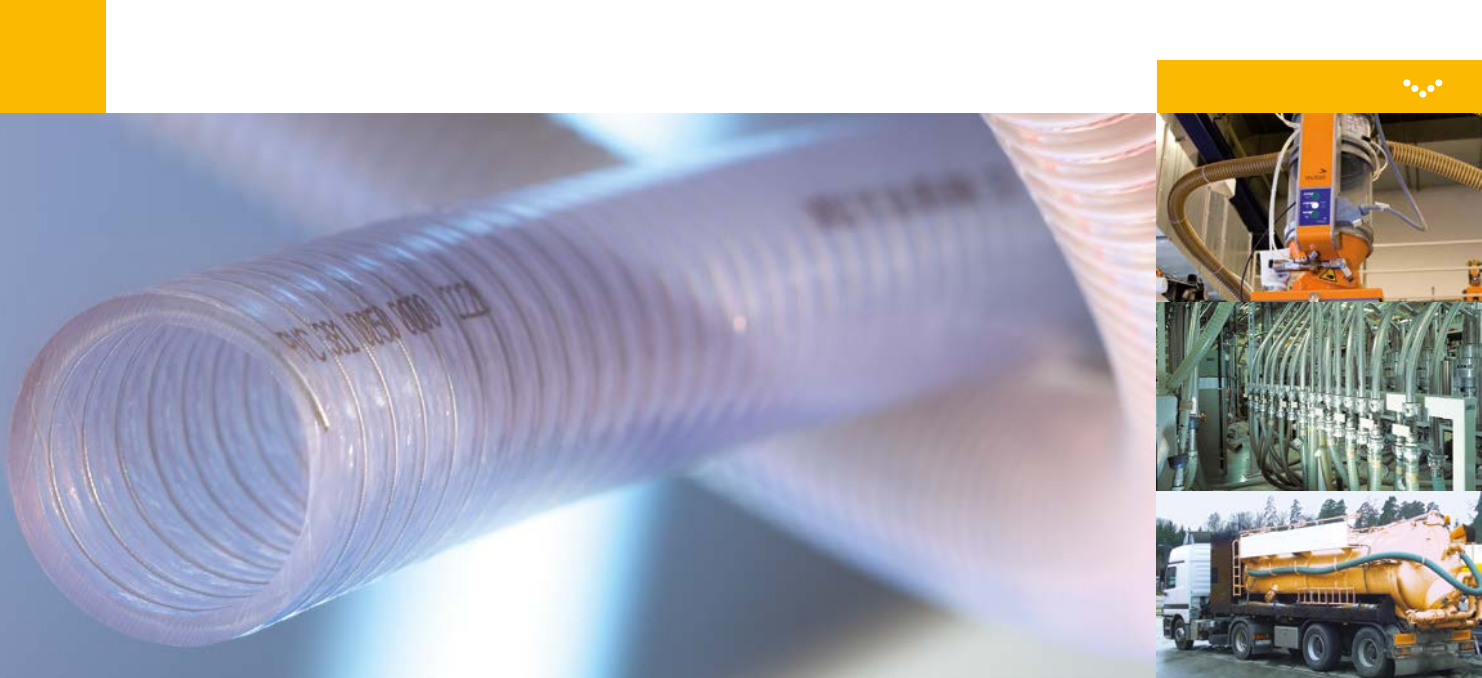
Vacuum cleaner hose, electrically conductive $<10^6$ Ohm

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; industrial vacuum cleaners, vacuum cleaners; explosion hazard area; swimming pool cleaning; scrubber, floor cleaning machine

Properties: light weight; highly flexible; crush resistant; floatable; good resistance to alkalis and acids; surface resistance $<10^6 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -25°C to 65°C

Design, Material: EVA design; self-supporting profile design; open profile geometry; wall: EVA

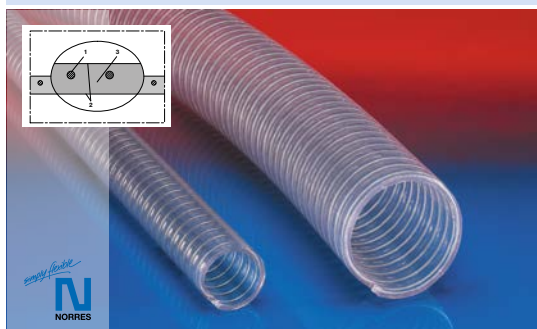


PVC BARDUC® and NORPLAST® suction hoses and pressure hoses

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BARDUC® PVC 381 FOOD



PVC hose, heavy, smooth interior and exterior, vacuum-proof

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal; agricultural industry: irrigation, fertilizers, insecticides; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; construction industry: lowering groundwater; caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel, yachts: sanitary installation, water supply; compressor, side channel blower, vacuum pump, pressure pump, pump; paper mill, paper and pulp industry: waste water, air extraction; industrial washing machine: washing water hose; vacuum lifting equipment, vacuum handling system

Properties: heavy duty; very high pressure, vacuum and compression resistance; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, according to FDA 21 CFR, according to FDA 21 CFR, 177.1210; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 10	16	7,000	0,850	25	0,150	30 60	381-0010-0000
- / 12	18	6,000	0,850	30	0,210	30 60	381-0012-0000
- / 13	19	6,000	0,850	32	0,225	30 60	381-0013-0000
- / 14	20	6,000	0,850	33	0,250	30 60	381-0014-0000
5/8 / 16	22	6,000	0,850	37	0,265	30 60	381-0016-0000
- / 18	25	5,000	0,850	39	0,290	30 60	381-0018-0000
3/4 / 19	26	5,000	0,850	41	0,310	30 60	381-0019-0000
- / 20	27	5,000	0,850	45	0,320	30 60	381-0020-0000
- / 22	29	5,000	0,850	49	0,350	30 60	381-0022-0000
1 / 25	32	5,000	0,850	73	0,490	30 60	381-0025-0000
- / 30	37	4,000	0,850	75	0,575	30 60	381-0030-0000
1,25 / 32	40	4,000	0,850	79	0,695	30 60	381-0032-0000
1,36 / 35	43	4,000	0,850	83	0,750	30 60	381-0035-0000
1,5 / 38	46	4,000	0,850	91	0,810	15 30	381-0038-0000
- / 40	49	4,000	0,850	100	0,945	15 30	381-0040-0000
- / 42	51	4,000	0,800	104	0,970	15 30	381-0042-0000
1,75 / 44-45	54	4,000	0,800	118	1,105	15 30	381-0045-0000
2 / 50-51	59	4,000	0,800	135	1,140	15 30	381-0050-0000
2,36 / 60	70	3,600	0,800	170	1,680	15 30	381-0060-0000
2,5 / 63-65	76	3,600	0,800	228	1,795	15 30	381-0065-0000
- / 70	81	3,600	0,700	245	2,095	15 30	381-0070-0000
3 / 75-76	88	3,600	0,700	262	2,250	15 30	381-0076-0000
- / 80	93	3,600	0,700	275	2,540	10 20	381-0080-0000
3,5 / 89-90	103	3,600	0,700	315	2,840	10 20	381-0090-0000
4 / 100-102	115	3,600	0,700	413	3,350	10 20	381-0102-0000

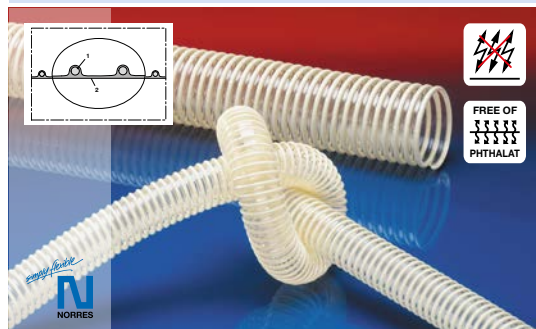
Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: BARDUC® design; spring steel wire spiral embedded in wall; smooth interior and exterior; wall: high grade soft PVC; wall thickness 3 to 8 mm approx., depending on diameter

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 211

NORPLAST® PUR 385 AS



Antistatic polyurethane hose, light, microbe resistant

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; welding mask: breathing air respirator, breathing hose (flexible type, black); textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; construction industry: insulation-blowing system; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine; X-ray machine: cable protection conduit (special type on request); magnetic resonance scanner, MRI : cable protection conduit, air supply hose (special type on request); medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose; municipal vehicle: sweeper, sweeping machine; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector; scrubber, floor cleaning machine

Properties: light weight; abrasion-resistant; microbe resistant; good resistance to chemicals; phthalate-free; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; conforms to RoHS guideline

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
Standard Version							
- / 20	26	1,000	0,250	15,0	0,100	10 20	385-0020-0000
1 / 25	31	1,000	0,250	17,5	0,130	10 20	385-0025-0000
- / 30	36	0,900	0,250	20,0	0,140	10 20	385-0030-0000
1,25 / 32	38	0,850	0,200	19,0	0,160	10 20	385-0032-0000
1,36 / 35	41	0,800	0,200	27,5	0,170	10 20	385-0035-0000
1,5 / 38	45	0,750	0,200	31,0	0,200	10 20	385-0038-0000
- / 40	47	0,750	0,200	40,0	0,210	10 20	385-0040-0000
1,75 / 44-45	52	0,650	0,200	42,5	0,250	10 20	385-0045-0000
2 / 50-51	58	0,500	0,200	45,0	0,290	10 20	385-0050-0000
2,36 / 60	68	0,500	0,160	50,0	0,430	10 20	385-0060-0000
2,5 / 63-65	71	0,450	0,160	48,5	0,460	10 20	385-0063-0000
- / 70	79	0,400	0,160	60,0	0,500	10 20	385-0070-0000
3 / 75-76	84	0,375	0,160	65,0	0,555	10 20	385-0075-0000
- / 80	89	0,350	0,160	70,0	0,590	10 20	385-0080-0000
3,5 / 89-90	100	0,300	0,140	80,0	0,670	10 20	385-0090-0000
4 / 100-102	110	0,280	0,130	90,0	0,750	10 20	385-0100-0000
5 / 125-127	136	0,250	0,100	107,5	1,100	10 20	385-0125-0000
6 / 150-152	162	0,180	0,080	125,0	1,500	10 20	385-0150-0000
flexible type, black (none antistatic / none flame-retardant)							
- / 40	47	0,750	0,200	40,0	0,210	15	385-0040-1029
2 / 50-51	58	0,500	0,200	45,0	0,290	15	385-0050-1029

Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 208, 228, 223, 270-271

NORPLAST® PUR-C 385 AS



Antistatic polyurethane hose, light, microbe resistant, grounding wire

Applications: flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; explosion hazard area; construction industry: insulation-blowing system; surface preparation: shot blasting/ sand blasting recovery e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine

Properties: light weight; abrasion-resistant; microbe resistant; good resistance to chemicals; phthalate-free; grounding wire for discharging of electrostatic charging; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in accordance with TRGS 727 $<2,5 \cdot 10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to RoHS guideline

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	31	1,000	0,250	17,5	0,130	10 20	385-0025-2878
1,25 / 32	38	0,850	0,200	19,0	0,160	10 20	385-0032-2878
1,5 / 38	45	0,750	0,200	31,0	0,200	10 20	385-0038-2878
- / 40	47	0,750	0,200	40,0	0,210	10 20	385-0040-2878
1,75 / 44-45	52	0,650	0,200	42,5	0,250	10 20	385-0045-2878
2 / 50-51	58	0,500	0,200	45,0	0,290	10 20	385-0050-2878
2,36 / 60	68	0,500	0,160	50,0	0,430	10 20	385-0060-2878
2,5 / 63-65	71	0,450	0,160	48,5	0,460	10 20	385-0063-2878
- / 70	79	0,400	0,160	60,0	0,500	10 20	385-0070-2878
3 / 75-76	84	0,375	0,160	66,0	0,570	10 20	385-0075-2878
- / 80	89	0,350	0,160	70,0	0,590	10 20	385-0080-2878
3,5 / 89-90	100	0,300	0,140	80,0	0,670	10 20	385-0090-2878
4 / 100-102	110	0,280	0,130	90,0	0,750	10 20	385-0100-2878
5 / 125-127	136	0,250	0,100	107,5	1,100	10 20	385-0125-2878
6 / 150-152	162	0,180	0,080	125,0	1,500	10 20	385-0150-2878

Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: permanently antistatic premium ester-polyurethane (Pre-PUR®); grounding wire

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 208, 228, 223, 270-271

NORPLAST® PUR-C 386 AS



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	46,0	5,000	0,700	195,7	0,590	15 30	386-0038-0000
- / 40	48,8	5,000	0,700	205,0	0,620	15 20 30	386-0040-0000
1,75 / 44-45	53,0	5,000	0,700	228,3	0,750	15 30	386-0045-0000
2 / 50-51	59,0	5,000	0,700	254,0	0,880	15 20 30	386-0050-0000
2,36 / 60	69,0	5,000	0,700	300,6	1,060	15 20 30	386-0060-0000
2,5 / 63-65	72,0	5,000	0,700	314,6	1,130	15 30	386-0063-0000
- / 70	79,0	5,000	0,700	347,2	1,280	15 30	386-0070-0000
3 / 75-76	85,0	5,000	0,700	375,1	1,460	15 30	386-0076-0000
- / 80	90,0	4,000	0,700	396,1	1,630	15 30	386-0080-0000
3,5 / 89-90	100,0	4,000	0,700	442,7	1,940	15 30	386-0090-0000
4 / 100-102	112,0	4,000	0,700	498,6	2,310	15 30	386-0102-0000

Antistatic polyurethane hose, heavy, grounding wire

Applications: flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; explosion hazard area; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder; wood pellet heating system: conveying of wood pellets

Properties: heavy duty; highly abrasion resistant; increased pressure and vacuum resistance; good resistance to chemicals; phthalate-free; grounding wire for discharging of electrostatic charging; electrical and surface resistance of the inliner $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to RoHS guideline

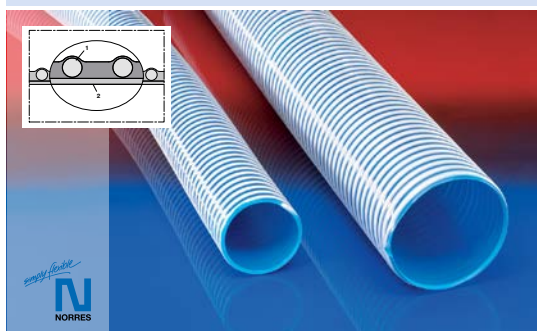
Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; Wall: antistatic polyurethane inside layer 2,0 mm approx., exterior soft PVC; grounding wire

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PUR 387



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
standard type, inliner blue							
3 / 75-76	90	6,000	0,900	512,0	2,200	13,5 30	387-0076-0000
3,5 / 89-90	105	5,500	0,900	595,0	2,600	13,5 30	387-0090-0000
4 / 100-102	118	4,000	0,900	799,0	3,300	13,5 30	387-0102-0000
5 / 125-127	145	3,000	0,900	1036,5	4,200	13,5 30	387-0127-0000
6 / 150-152	173	3,000	0,900	1324,0	6,400	13,5 20	387-0152-0000
flexible type, inliner yellow							
5 / 125-127	145	3,000	0,900	1036,5	4,200	13,5 30	387-0127-6007
smooth exterior type, inliner red							
5 / 125-127	145	3,000	0,900	1036,5	4,200	13,5 30	387-0127-6008

Polyurethane hose, super-heavy

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; suction vehicles: roof gravelling, roof gravel conveying; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder

Properties: external abrasion protection via external helix (saves floor space, prolong service life, easy to use); super-heavy duty; extremely abrasion resistant; very high pressure, vacuum and compression resistance; good resistance to chemicals; very good low temperature flexibility; conforms to RoHS guideline

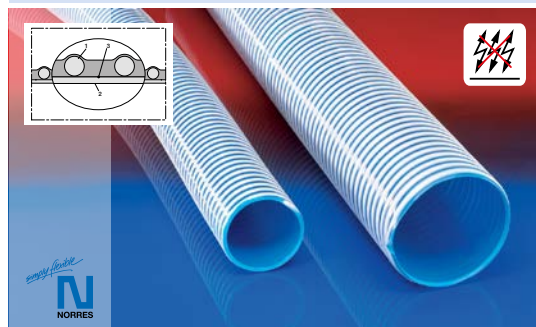
Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: premium polyurethane (Pre-PUR®), inside layer 2,0 mm approx. exterior soft PVC

Delivery variants: further diameters and lengths available on request; blue inner tube + transparent exterior wall (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211

NORPLAST® PUR-C 387 AS



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3 / 75-76	92	6,0	0,9	512,0	2,200	13,5 30	387-0076-2878
3,5 / 89-90	107	5,5	0,9	595,0	2,600	13,5 30	387-0090-2878
4 / 100-102	120	4,0	0,9	799,0	3,300	13,5 30	387-0102-2878
5 / 125-127	147	3,0	0,9	1036,5	4,200	13,5 30	387-0127-2878
6 / 150-152	175	3,0	0,9	1324,0	6,400	13,5 20	387-0152-2878

20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to RoHS guideline

Temperature Range: -20°C to 70°C; short time to 80°C

Antistatic polyurethane hose, super-heavy, grounding wire

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; explosion hazard area; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging; silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder

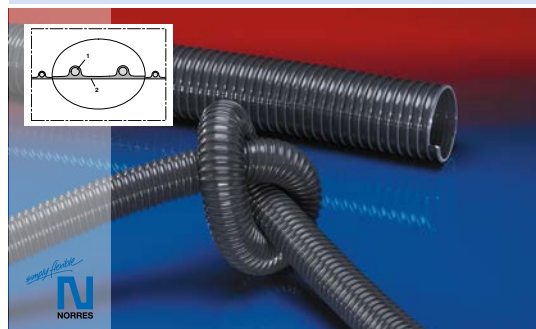
Properties: external abrasion protection via external helix (saves floor space, prolong service life, easy to use); extremely abrasion resistant; very high pressure, vacuum and compression resistance; good resistance to chemicals; very good low temperature flexibility; grounding wire for discharging of electrostatic charging; electrical and surface resistance of the inliner $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; Wall: antistatic polyurethane inside layer 2,0 mm approx., exterior soft PVC; grounding wire

Delivery variants: further diameters and lengths available on request; blue inner tube + transparent exterior wall (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211

NORPLAST® PVC 383



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	31	1,000	0,250	17,5	0,160	25 50	383-0025-0000
- / 30	36	0,900	0,250	20,0	0,200	25 50	383-0030-0000
1,25 / 32	38	0,850	0,200	19,0	0,210	25 50	383-0032-0000
1,36 / 35	41	0,800	0,200	17,5	0,230	25 50	383-0035-0000
1,5 / 38	45	0,750	0,200	26,0	0,260	25 50	383-0038-0000
- / 40	47	0,750	0,200	30,0	0,280	25 50	383-0040-0000
1,75 / 44-45	52	0,650	0,200	32,5	0,350	25 50	383-0045-0000
2 / 50-51	58	0,500	0,200	35,0	0,430	25 50	383-0050-0000
2,36 / 60	68	0,500	0,160	40,0	0,500	25 50	383-0060-0000
2,5 / 63-65	71	0,450	0,160	38,5	0,520	25 50	383-0063-0000
- / 70	78	0,400	0,150	55,0	0,580	25 50	383-0070-0000
3 / 75-76	85	0,400	0,150	62,0	0,640	25 50	383-0076-0000
- / 80	89	0,350	0,150	70,0	0,750	25 50	383-0080-0000
3,5 / 89-90	100	0,300	0,140	80,0	0,850	15 30	383-0090-0000
4 / 100-102	110	0,280	0,130	90,0	0,970	15 30	383-0100-0000
5 / 125-127	136	0,250	0,100	107,5	1,250	15 30	383-0125-0000
6 / 150-152	162	0,180	0,080	105,0	1,600	15	383-0150-0000

Temperature Range: -5°C to 60°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: soft PVC

Delivery variants: further diameters and lengths available on request; grey (standard); special colours: coloured spiral, full coloured; customer-specific branding

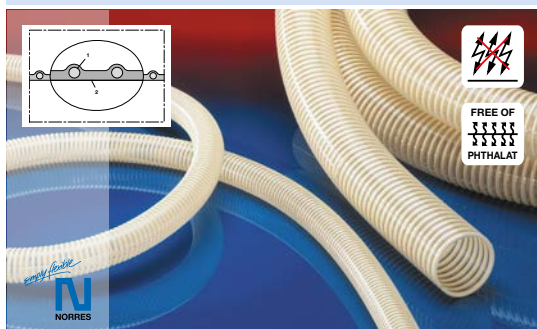
Accessories: 208, 228, 223, 270-271

PVC hose, light

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; galvanic extraction; agricultural industry: irrigation, fertilizers, insecticides; caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel, yachts: sanitary installation, water supply; X-ray machine: cable protection conduit (special type on request); magnetic resonance scanner, MRI : cable protection conduit, air supply hose (special type on request); medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose; scrubber, floor cleaning machine; vacuum lifting equipment, vacuum handling system

Properties: light weight; good resistance to alkalis and acids; good resistance to chemicals; flame-retardant according to: UL94-V2; conforms to RoHS guideline

NORPLAST® PVC 384 AS



Antistatic PVC hose, heavy

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; wood pellet heating system: conveying of wood pellets

Properties: heavy duty; increased pressure and vacuum resistance; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; conforms to RoHS guideline

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	26	5,000	0,700	105,8	0,250	25 50	384-0020-0000
1 / 25	31	5,000	0,700	128,8	0,300	25 50	384-0025-0000
- / 30	36	5,000	0,700	151,8	0,360	25 50	384-0030-0000
1,25 / 32	39	5,000	0,700	163,3	0,390	25 50	384-0032-0000
1,36 / 35	42	5,000	0,700	177,1	0,440	25 50	384-0035-0000
1,5 / 38	45	5,000	0,700	190,9	0,520	25 50	384-0038-0000
- / 40	48	5,000	0,700	202,4	0,550	25 50	384-0040-0000
1,75 / 44-45	53	5,000	0,700	225,4	0,670	25 50	384-0045-0000
2 / 50-51	59	5,000	0,700	250,7	0,800	25 50	384-0050-0000
2,36 / 60	69	5,000	0,700	296,7	0,970	25 50	384-0060-0000
2,5 / 63-65	72	5,000	0,700	310,5	1,040	25 50	384-0063-0000
- / 70	80	5,000	0,700	345,0	1,200	25 50	384-0070-0000
3 / 75-76	86	5,000	0,700	349,6	1,380	25 50	384-0076-0000
- / 80	91	4,000	0,700	393,3	1,550	25 50	384-0080-0000
3,5 / 89-90	102	4,000	0,700	441,6	1,850	15 30	384-0090-0000
4 / 100-102	112	4,000	0,700	487,6	2,200	15 30	384-0100-0000
5 / 125-127	138	3,000	0,550	604,9	3,000	15 30	384-0125-0000
6 / 150-152	163	3,000	0,500	719,9	4,300	10 20	384-0150-0000

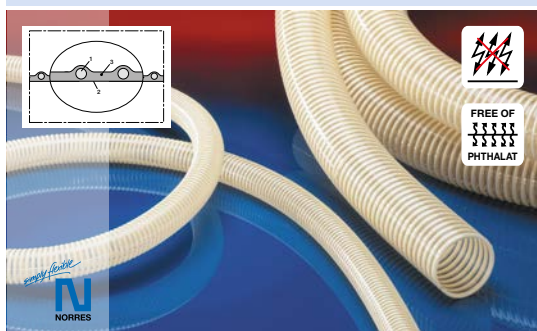
Temperature Range: -5°C to 70°C; short time to 80°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: high grade soft PVC and antistatic

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PVC-C 384 AS



Antistatic PVC hose, heavy, grounding wire

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine; explosion hazard area; wood pellet heating system: conveying of wood pellets

Properties: heavy duty; increased pressure and vacuum resistance; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; grounding wire for discharging of electrostatic charging; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases); conforms to RoHS guideline

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	31	5,000	0,700	117,5	0,310	25 50	384-0025-2878
1,25 / 32	39	5,000	0,700	139,0	0,400	25 50	384-0032-2878
1,5 / 38	45	5,000	0,700	161,0	0,530	25 50	384-0038-2878
- / 40	48	5,000	0,700	175,0	0,570	25 50	384-0040-2878
2 / 50-51	59	5,000	0,700	210,0	0,820	25 50	384-0050-2878
2,36 / 60	69	5,000	0,700	245,0	0,990	25 50	384-0060-2878
2,5 / 63-65	75	5,000	0,700	267,5	1,090	25 50	384-0065-2878
- / 70	80	5,000	0,700	285,0	1,220	25 50	384-0070-2878
3 / 75-76	86	5,000	0,700	302,0	1,400	25 50	384-0076-2878
- / 80	91	4,000	0,700	325,0	1,570	25 50	384-0080-2878
4 / 100-102	112	4,000	0,700	420,0	2,220	15 30	384-0100-2878

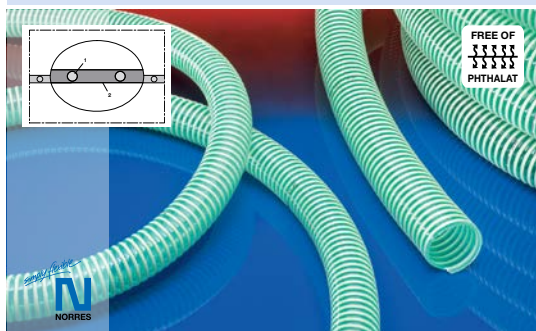
Temperature Range: -5°C to 70°C; short time to 80°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: high grade soft PVC and antistatic; grounding wire

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PVC 380 GREEN



PVC hose, heavy

Applications: flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal; agricultural industry: irrigation, fertilizers, insecticides; caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel, yachts: sanitary installation, water supply

Properties: heavy duty; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; conforms to RoHS guideline

Temperature Range: -5°C to 60°C

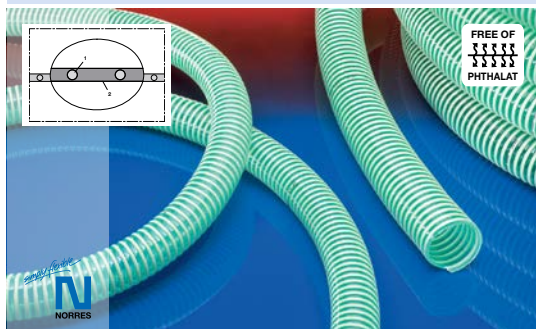
I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	25	5,000	0,600	103,5	0,210	25 50	380-0020-0000
1 / 25	30	5,000	0,600	126,5	0,270	25 50	380-0025-0000
- / 30	35	5,000	0,600	149,5	0,330	25 50	380-0030-0000
1,25 / 32	38	5,000	0,600	161,0	0,420	25 50	380-0032-0000
1,36 / 35	41	5,000	0,600	174,8	0,440	25 50	380-0035-0000
1,5 / 38	44	5,000	0,600	188,6	0,470	25 50	380-0038-0000
- / 40	46	5,000	0,600	197,8	0,510	25 50	380-0040-0000
1,75 / 44-45	52	5,000	0,600	223,1	0,580	25 50	380-0045-0000
2 / 50-51	58	5,000	0,600	248,4	0,700	25 50	380-0050-0000
2,36 / 60	68	4,500	0,600	294,4	0,850	25 50	380-0060-0000
2,5 / 63-65	71	4,500	0,600	308,2	0,900	25 50	380-0063-0000
- / 70	78	4,000	0,600	340,4	1,050	25 50	380-0070-0000
3 / 75-76	85	4,000	0,600	370,3	1,150	25 50	380-0076-0000
- / 80	89	3,500	0,500	388,7	1,350	25 50	380-0080-0000
3,5 / 89-90	100	3,500	0,500	437,0	1,600	30	380-0090-0000
4 / 100-102	111	3,000	0,500	485,3	1,900	30	380-0100-0000

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: soft PVC

Delivery variants: further diameters and lengths available on request; green-transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PVC 379 GREEN SUPERELASTIC



PVC hose, heavy, flexible at low temp. (down to -25°C)

Applications: flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; suction vehicle: sewer cleaning, sewage cleaning; agricultural industry: irrigation, fertilizers, insecticides; agricultural industry: manure spreader, slurry spreader, slurry tanker; agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine; caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel, yachts: sanitary installation, water supply

Properties: heavy duty; good resistance to alkalis and acids; good resistance to chemicals; very good low temperature flexibility; conforms to RoHS guideline

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
Standard Version							
- / 20	25	5,000	0,600	101,0	0,260	25 50	379-0020-0000
1 / 25	30	5,000	0,600	123,4	0,320	25 50	379-0025-0000
- / 30	36	4,500	0,600	147,5	0,370	25 50	379-0030-0000
1,25 / 32	38	4,000	0,600	157,1	0,450	25 50	379-0032-0000
1,5 / 38	44	4,000	0,600	184,0	0,490	25 50	379-0038-0000
- / 40	46	3,000	0,500	193,0	0,630	25 50	379-0040-0000
2 / 50-51	58	3,000	0,500	242,4	0,890	25 50	379-0050-0000
smaller bending radius, colour: transparent, spiral: grey							
- / 30	36	4,000	0,600	125	0,340	25 50	379-0030-4726
1,25 / 32	38	4,000	0,600	130	0,36	25 50	379-0032-4726

Temperature Range: -25°C to 60°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: low temperature flexible soft PVC

Delivery variants: further diameters and lengths available on request; green-transparent (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PVC 388 SUPERELASTIC



PVC hose, medium-heavy, flexible at low temp. (down to -25°C)

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; agricultural industry: irrigation, fertilizers, insecticides; vacuum lifting equipment, vacuum handling system

Properties: medium-heavy duty; good resistance to alkalis and acids; good resistance to chemicals; very good low temperature flexibility; conforms to RoHS guideline

Temperature Range: -25°C to 60°C

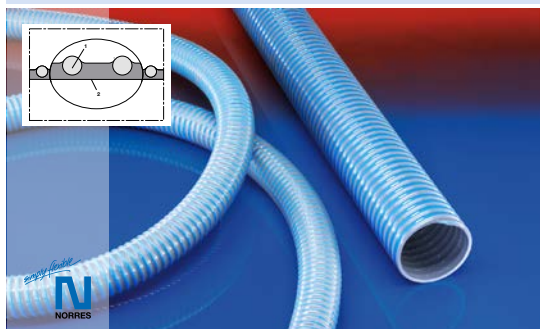
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	27	1,000	0,500	30,0	0,190	25	388-0020-0000
1 / 25	31	1,000	0,500	32,5	0,230	25 50	388-0025-0000
1,25 / 32	38	1,000	0,500	44,0	0,300	25 50	388-0032-0000
1,5 / 38	45	1,000	0,500	51,0	0,390	25 50	388-0038-0000
- / 40	47	0,800	0,500	50,0	0,420	25 50	388-0040-0000
2 / 50-51	58	0,700	0,400	60,0	0,620	25 50	388-0050-0000
2,36 / 60	68	0,650	0,400	70,0	0,740	25 50	388-0060-0000
2,5 / 63-65	71	0,650	0,350	73,5	0,780	25 50	388-0063-0000
3 / 75-76	85	0,400	0,350	92,0	1,010	25 50	388-0076-0000
- / 80	90	0,350	0,350	95,0	1,150	25 50	388-0080-0000
4 / 100-102	114	0,280	0,300	119,0	1,590	25	388-0102-0000
5 / 125-127	139	0,200	0,250	146,5	2,130	25	388-0127-0000
6 / 150-152	164	0,180	0,250	174,0	2,950	25	388-0152-0000

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; wall: high grade low temperature flexible soft PVC

Delivery variants: further diameters and lengths available on request; grey (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 208, 228, 223, 270-271

NORPLAST® PVC 389 SUPERELASTIC



PVC hose, super-heavy, flexible at low temp. (down to -25°C)

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; suction vehicle: sewer cleaning, sewage cleaning; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal; agricultural industry: irrigation, fertilizers, insecticides; agricultural industry: manure spreader, slurry spreader, slurry tanker

Properties: external abrasion protection via external helix (saves floor space, prolong service life, easy to use); super-heavy duty; very high pressure, vacuum and compression resistance; good resistance to alkalis and acids; good resistance to chemicals; very good low temperature flexibility; conforms to RoHS guideline

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3 / 75-76	87	2,000	0,900	222,0	1,700	25 50	389-0076-1012
3,5 / 89-90	103	1,700	0,900	270,0	2,150	10 30	389-0090-1012
4 / 100-102	116	1,500	0,850	294,0	2,700	10 30	389-0102-1012

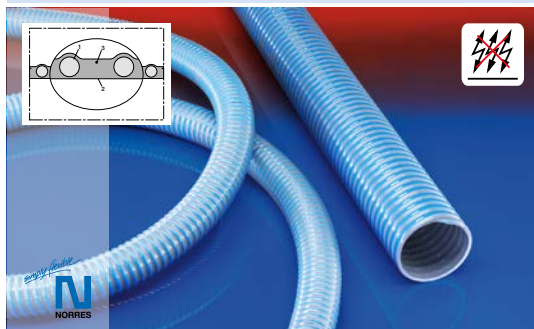
Temperature Range: -25°C to 60°C

Design, Material: NORPLAST® full plastic hose; outer hard plastic spiral; spiral: rigid PVC; smooth interior; wall: high grade low temperature flexible soft PVC

Delivery variants: further diameters and lengths available on request; grey and blue partially Coloured (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PVC-C 389 AS-SUPERELASTIC



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	m	
3 / 75-76	87	3,000	0,900	222,0	1,700	25 50	-	389-0076-2878
3,5 / 89-90	103	2,500	0,900	270,0	2,150	10 30	-	389-0090-2878
4 / 100-102	116	2,500	0,850	294,0	2,700	10 30	-	389-0102-2878

accordance with TRGS 727 $<2,5 \cdot 10^8 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases); conforms to RoHS guideline

Temperature Range: -25°C to 60°C

Antistatic PVC hose, super-heavy, flexible at low temp., grounding wire (down to -25°C)

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; explosion hazard area

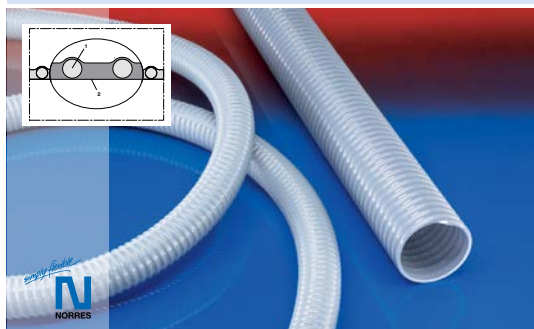
Properties: external abrasion protection via external helix (saves floor space, prolong service life, easy to use); super-heavy duty; very high pressure, vacuum and compression resistance; good resistance to alkalis and acids; good resistance to chemicals; very good low temperature flexibility; grounding wire for discharging of electrostatic charging; permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance $<10^9 \Omega$ and in

Design, Material: NORPLAST® full plastic hose; outer hard plastic spiral; spiral: rigid PVC; smooth interior; wall: high grade antistatic and low temperature flexible soft PVC; grounding wire

Delivery variants: further diameters and lengths available on request; grey and blue partially Coloured (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

NORPLAST® PVC 389 SUPERELASTIC PLUS



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3 / 75-76	87	1,900	0,700	222,0	1,700	25 50	389-0076-0000
3,5 / 89-90	103	2,500	0,900	270,0	2,150	10 30	389-0090-0000
4 / 100-102	116	1,500	0,850	294,0	2,700	10 30	389-0102-0000

Temperature Range: -40°C to 60°C

Design, Material: NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: impact-resistant modified rigid PVC; smooth interior; wall: high grade low temperature flexible soft PVC

Delivery variants: further diameters and lengths available on request; grey (standard); special colours: coloured spiral, full coloured; customer-specific branding

Accessories: 211, 270-271

PVC hose, heavy, flexible at low temp. (down to -40°C)

Applications: hose/ ducting for liquids and for powder, bulk material, granulate and for gases; suction vehicle: sewer cleaning, sewage cleaning; vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning; airport, airplane, rail vehicle, train, railway, boat, ship/ vessel, yacht: toilet discharging/ disposal; agricultural industry: irrigation, fertilizers, insecticides; agricultural industry: manure spreader, slurry spreader, slurry tanker

Properties: external abrasion protection via external helix (saves floor space, prolong service life, easy to use); super-heavy duty; very high pressure, vacuum and compression resistance; good resistance to alkalis and acids; good resistance to chemicals; very good low temperature flexibility; conforms to RoHS guideline



Metal hoses

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METAL HOSE 375

**Metal hose, suction hose (up to +120°C)**

Applications: hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases; extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; wood dust extraction, wood chips: furniture production, saw mill; paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill

Properties: abrasion-resistant; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: 120°C

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
1 / 25	29	98	0,420	2,5 5 10	375-0025-0000
1,25 / 32	36	124	0,530	2,5 5 10	375-0032-0000
1,36 / 35	39	133	0,580	2,5 5 10	375-0035-0000
- / 40	45	135	0,700	2,5 5 10	375-0040-0000
2 / 50-51	55	155	0,810	2,5 5 10	375-0050-0000
2,36 / 60	66	185	1,010	2,5 5 10	375-0060-0000
2,5 / 63-65	71	198	1,090	2,5 5 10	375-0065-0000
- / 70	76	205	1,170	2,5 5 10	375-0070-0000
3 / 75-76	81	218	1,250	2,5 5 10	375-0075-0000
- / 80	86	230	1,330	2,5 5 10	375-0080-0000
4 / 100-102	107	250	1,980	2,5 5 10	375-0100-0000
4,72 / 120	127	320	2,360	2,5 5 10	375-0120-0000
5 / 125-127	132	338	2,450	2,5 5 10	375-0125-0000
- / 130	139	345	2,860	2,5 5 10	375-0130-0000
5,5 / 140	149	360	3,070	2,5 5 10	375-0140-0000
6 / 150-152	159	385	3,290	2,5 5 10	375-0150-0000
6,3 / 160	169	410	3,500	2,5 5 10	375-0160-0000
7 / 178-180	189	455	3,930	2,5 5 10	375-0180-0000
8 / 200-203	211	460	5,220	2,5 5 10	375-0200-0000
- / 225	236	518	5,860	2,5 5 10	375-0225-0000
- / 250	261	575	6,500	2,5 5	375-0250-0000
- / 275	286	633	7,130	2,5 5	375-0275-0000
- / 300	311	700	7,780	2,5 5	375-0300-0000

Design, Material: Metal hose; profiled metal strip, galvanised steel; hooked profile; seal: special fibre

Delivery variants: further diameters and lengths available on request; without sealing or with rubber sealing

Accessories: 270-271, 202-206

METAL HOSE 375 HT

**Metal hose, suction hose (up to +400°C)**

Applications: hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases; extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; wood dust extraction, wood chips: furniture production, saw mill; paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill

Properties: abrasion-resistant; very good heat resistance; flame-retardant; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: 400°C

I.D.	O.D.	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 20	24	90	0,350	10	375-0020-2880
1 / 25	29	98	0,430	10	375-0025-2880
- / 30	34	115	0,510	10	375-0030-2880
1,25 / 32	36	124	0,550	10	375-0032-2880
1,36 / 35	39	133	0,590	10	375-0035-2880
1,5 / 38	42	136	0,650	10	375-0038-2880
- / 40	45	135	0,680	10	375-0040-2880
1,75 / 44-45	50	143	0,760	10	375-0045-2880
2 / 50-51	55	155	0,840	10	375-0050-2880
- / 55	60	173	0,900	10	375-0055-2880
2,36 / 60	66	185	1,010	10	375-0060-2880
2,5 / 63-65	71	198	1,090	10	375-0065-2880
- / 70	76	205	1,170	10	375-0070-2880
3 / 75-76	81	218	1,250	10	375-0075-2880
- / 80	86	230	1,340	10	375-0080-2880
3,5 / 89-90	97	235	1,850	10	375-0090-2880
4 / 100-102	107	250	2,040	10	375-0100-2880
- / 110	117	275	2,240	10	375-0110-2880
4,72 / 120	127	320	2,440	10	375-0120-2880
5 / 125-127	132	338	2,540	10	375-0125-2880
- / 130	139	345	2,930	10	375-0130-2880
5,5 / 140	149	360	3,130	10	375-0140-2880
6 / 150-152	159	385	3,350	10	375-0150-2880
6,3 / 160	169	410	3,570	10	375-0160-2880
7 / 178-180	189	455	4,010	10	375-0180-2880
8 / 200-203	211	460	5,510	5 10	375-0200-2880
- / 225	236	518	6,180	5 10	375-0225-2880
- / 250	261	575	6,850	5	375-0250-2880
- / 275	286	633	7,520	5	375-0275-2880
- / 300	311	700	8,200	5	375-0300-2880

Delivery variants: further diameters and lengths available on request; without sealing or with rubber sealing

Accessories: 270-271, 202-206

Design, Material: Metal hose; profiled metal strip, galvanised steel; hooked profile; seal: glass fibre

METAL HOSE INOX 376



Metal hose, stainless steel (INOX), suction hose (up to +600°C)

Applications: hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases; extraction unit, dedusting system, filter system, oil mist extraction; explosion hazard area; wood dust extraction, wood chips: furniture production, saw mill; paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill

Properties: abrasion-resistant; extremely heat resistant; good resistance to alkalis and acids; extremely good resistance to chemicals; flame-retardant; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: 600°C

Design, Material: Metal hose; profiled metal strip, stainless steel (INOX); hooked profile; seal: glass fibre

I.D.	O.D.	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	mm	kg/m	m	
- / 20	24	90	0,350	5 10	376-0020-0000
1 / 25	29	98	0,430	5 10	376-0025-0000
- / 30	34	115	0,510	5 10	376-0030-0000
1,25 / 32	36	124	0,550	5 10	376-0032-0000
1,36 / 35	39	133	0,590	5 10	376-0035-0000
1,5 / 38	42	136	0,650	5 10	376-0038-0000
- / 40	45	135	0,680	5 10	376-0040-0000
1,75 / 44-45	50	143	0,760	5 10	376-0045-0000
2 / 50-51	55	155	0,840	5 10	376-0050-0000
- / 55	60	173	0,900	5 10	376-0055-0000
2,36 / 60	66	185	1,010	5 10	376-0060-0000
2,5 / 63-65	71	198	1,090	5 10	376-0065-0000
- / 70	76	205	1,170	5 10	376-0070-0000
3 / 75-76	81	218	1,250	5 10	376-0075-0000
- / 80	86	230	1,340	5 10	376-0080-0000
3,5 / 89-90	97	235	1,850	5 10	376-0090-0000
4 / 100-102	107	250	2,040	5 10	376-0100-0000
- / 110	117	275	2,240	5 10	376-0110-0000
4,72 / 120	127	320	2,440	5 10	376-0120-0000
5 / 125-127	132	338	2,540	5 10	376-0125-0000
- / 130	139	345	2,920	5 10	376-0130-0000
5,5 / 140	149	360	3,130	5 10	376-0140-0000
6 / 150-152	159	385	3,350	5 10	376-0150-0000
6,3 / 160	169	410	3,570	5 10	376-0160-0000
- / 170	179	435	3,720	5 10	376-0170-0000
7 / 178-180	189	455	4,010	5 10	376-0180-0000
8 / 200-203	211	460	5,510	5	376-0200-0000
- / 225	236	518	6,180	5	376-0225-0000
- / 250	261	575	6,850	5	376-0250-0000
- / 275	286	633	7,520	5	376-0275-0000
- / 300	311	700	8,200	5	376-0300-0000

Delivery variants: further diameters and lengths available on request

Accessories: 270-271, 202-206

METAL HOSE 377 REINFORCED



Metal hose, transport hose

Applications: hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; explosion hazard area; raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill

Properties: super-heavy duty and reinforced; abrasion-resistant; flame-retardant; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: 120°C

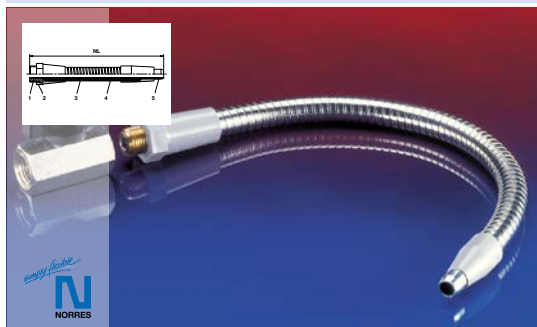
I.D.	O.D.	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	mm	kg/m	m	
2 / 50-51	59	185	1,200	10	377-0050-0000
2,36 / 60	68	330	2,720	10	377-0060-0000
2,5 / 63-65	73	348	2,940	10	377-0065-0000
- / 70	78	375	3,160	10	377-0070-0000
3 / 75-76	83	403	3,380	10	377-0075-0000
- / 80	88	420	3,600	10	377-0080-0000
3,5 / 89-90	100	425	3,950	10	377-0090-0000
4 / 100-102	110	440	4,380	10	377-0100-0000
- / 110	120	485	4,810	10	377-0110-0000
4,72 / 120	130	520	5,240	10	377-0120-0000
5 / 125-127	135	538	5,450	10	377-0125-0000
- / 130	141	795	7,370	10	377-0130-0000
5,5 / 140	151	850	7,920	10	377-0140-0000
6 / 150-152	162	905	8,470	10	377-0150-0000
6,3 / 160	172	960	9,030	10	377-0160-0000
- / 175	186	1043	9,860	10	377-0175-0000
7 / 178-180	191	1070	10,100	10	377-0180-0000
8 / 200-203	216	1210	15,100	5	377-0200-0000
- / 225	241	1348	17,000	5	377-0225-0000
- / 250	266	1495	18,800	5	377-0250-0000
- / 300	316	1770	22,500	5	377-0300-0000

Design, Material: Metal hose; profiled metal strip, galvanised steel; hooked profile; seal: special fibre; reinforcement of the primary abrasion areas

Delivery variants: further diameters and lengths available on request; up to 400°C approx. with glass fibre sealing; up to 600°C approx. with glass fibre sealing and stainless steel (INOX)

Accessories: 202-206

COOLING HOSE 950-955

**Coolant hose**

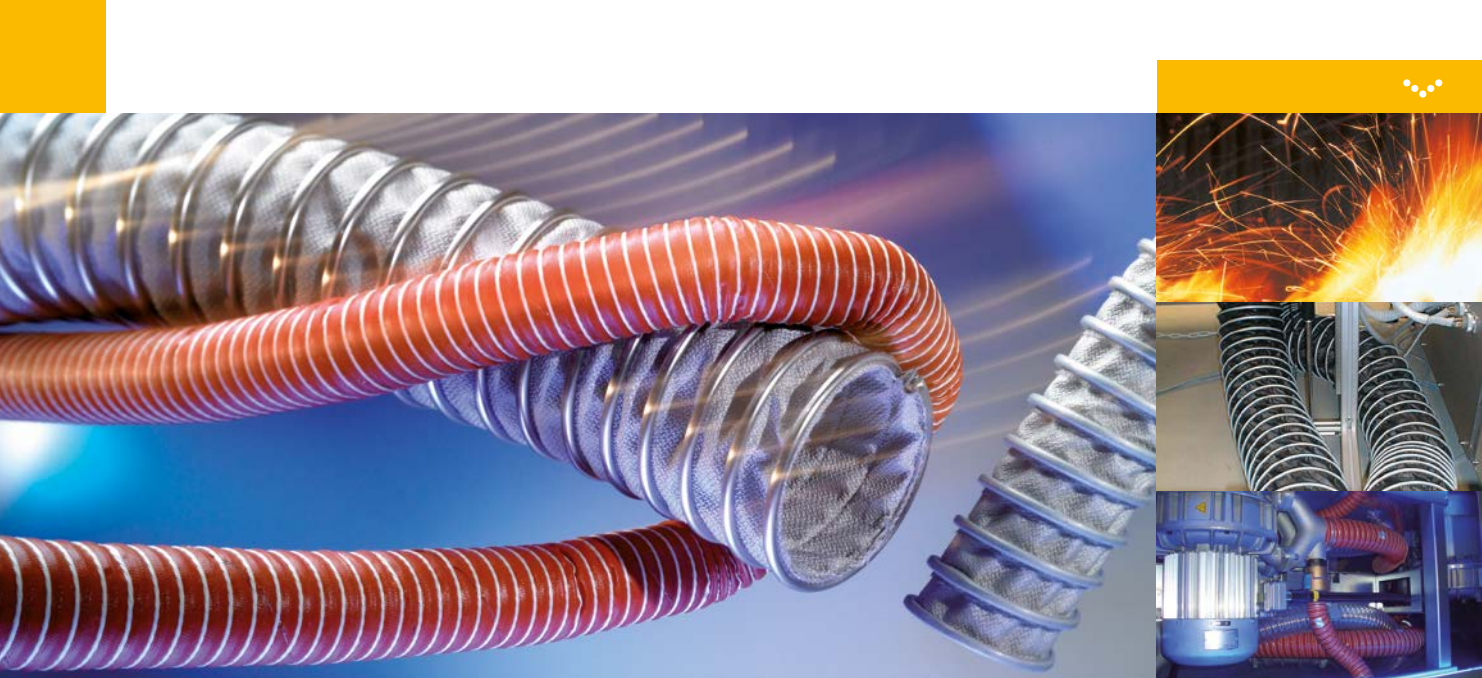
Properties: retaining any adjusted position; good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -20°C to 70°C

Design, Material: Metal hose; rugged and non-corroding connecting thread (brass); wide flat; long-life adjustable steel hose (nickel-plated); sealing inner tube; robust steel drain spout

Connecting Thread	Nominal Length	Thread Length	Wrench Size SW	Bending Radius	Weight	Order No.
	mm	mm	mm	mm	kg/m	
Coolant hose						
R 1/8	200	9	17	49	0,080	950-0200-1210
R 1/8	250	9	17	49	0,100	950-0250-1210
R 1/8	320	9	17	49	0,120	950-0320-1210
R 1/8	400	9	17	49	0,150	950-0400-1210
R 1/8	500	9	17	49	0,190	950-0500-1210
R 1/8	630	9	17	49	0,240	950-0630-1210
R 1/8	800	9	17	49	0,300	950-0800-1210
R 1/4	200	9	19	57	0,120	951-0200-1210
R 1/4	250	9	19	57	0,150	951-0250-1210
R 1/4	320	9	19	57	0,180	951-0320-1210
R 1/4	400	9	19	57	0,230	951-0400-1210
R 1/4	500	9	19	57	0,280	951-0500-1210
R 1/4	630	9	19	57	0,350	951-0630-1210
R 1/4	800	9	19	57	0,450	951-0800-1210
R 3/8	200	9	22	67	0,180	952-0200-1210
R 3/8	250	9	22	67	0,220	952-0250-1210
R 3/8	320	9	22	67	0,280	952-0320-1210
R 3/8	400	9	22	67	0,350	952-0400-1210
R 3/8	500	9	22	67	0,430	952-0500-1210
R 3/8	630	9	22	67	0,540	952-0630-1210
R 3/8	800	9	22	67	0,680	952-0800-1210
R 1/2	320	9	24	71	0,330	953-0320-1210
R 1/2	400	9	24	71	0,400	953-0400-1210
R 1/2	500	9	24	71	0,500	953-0500-1210
R 1/2	630	9	24	71	0,620	953-0630-1210
R 1/2	800	9	24	71	0,780	953-0800-1210
stop cock						
R 1/2	-	-	24	-	-	955-0012-0000
R 1/4	-	-	19	-	-	955-0014-0000
R 1/8	-	-	17	-	-	955-0018-0000
R 3/8	-	-	22	-	-	955-0038-0000

Delivery variants: further diameters and lengths available on request; stop cock



Hot air hoses, high-temperature hoses (-200 .. +1.100 °C)

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CP HiTex 486 High-temperature hose, clamp profile hose, multi-layer, insulating, suitable for slight overpressure (up to +700°C).....	-60°C to 650°C... 105
CP HiTex 483 High-temperature hose, clamp profile hose (clip hose), multi-layer, insulating (up to 1.100°C).....	-60°C to 900°C... 106

PROTAPE® TPE 320



TPE hose, light (up to +150°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; textile industry, steam soaking: steam iron, industrial ironing machine, smoothing iron; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating; heating system/ heater: fresh air supply

Properties: light weight; highly flexible + compressible; very good heat resistance; good resistance to oil, gasoline and chemicals; good resistance to alkalis and acids; conforms to RoHS guideline

Temperature Range: -40°C to 125°C; short time to 150°C

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	58	0,235	0,105	33	0,230	10	320-0050-0000
2,36 / 60	68	0,195	0,090	38	0,260	10	320-0060-0000
- / 70	78	0,170	0,075	43	0,300	10	320-0070-0000
3 / 75-76	83	0,160	0,070	46	0,330	10	320-0075-0000
- / 80	88	0,150	0,065	48	0,360	10	320-0080-0000
4 / 100-102	109	0,120	0,055	58	0,520	10	320-0100-0000
5 / 125-127	134	0,095	0,045	71	0,640	10	320-0125-0000
5,5 / 140	148	0,085	0,040	78	0,710	10	320-0140-0000
6 / 150-152	159	0,080	0,025	83	0,760	10	320-0150-0000
6,3 / 160	168	0,075	0,025	88	0,800	10	320-0160-0000
7 / 178-180	188	0,065	0,020	98	0,910	10	320-0180-0000
8 / 200-203	210	0,060	0,020	108	1,010	10	320-0200-0000
- / 250	258	0,050	0,015	133	1,210	10	320-0250-0000

Design, Material: PROTAPE® tape hose; spring steel wire integrated in wall; wall: thermoplastic rubber (TPE); wall thickness 0,4 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); special colours: full coloured; customer-specific branding; ID 1"/25mm – 12"/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID315 – 500mm not compressed

Accessories: 212, 217, 213, 228, 223, 270-271

PROTAPE® TPE 321 REINFORCED



TPE hose, light, fabric reinforced (up to +125°C)

Applications: flexible hose/ ducting for hot and cold gases; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; textile industry, steam soaking: steam iron, industrial ironing machine, smoothing iron; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating; paper mill, paper and pulp industry: waste water, air extraction; heating system/ heater: fresh air supply

Properties: fabric reinforced; light weight; highly flexible + compressible; very good heat resistance; good resistance to oil, gasoline and chemicals; good resistance to alkalis and acids; conforms to RoHS guideline

Temperature Range: -40°C to 110°C; short time to 125°C

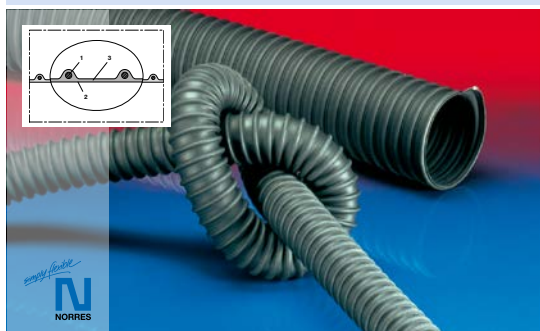
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	55	0,265	0,216	33	0,21	7,5 15	321-0050-0000
3 / 75-76	80	0,180	0,117	49	0,31	7,5 15	321-0075-0000
4 / 100-102	108	0,130	0,072	65	0,62	7,5 15	321-0100-0000
5 / 125-127	133	0,110	0,050	81	0,78	7,5 15	321-0125-0000
6 / 150-152	158	0,090	0,050	98	0,93	7,5 15	321-0150-0000
8 / 200-203	208	0,065	0,033	120	1,24	7,5 15	321-0200-0000
- / 250	259	0,055	0,015	150	1,75	7,5 15	321-0250-0000
- / 300	309	0,045	0,011	180	2,10	7,5 15	321-0300-0000

Design, Material: PROTAPE® tape hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: EPDM/ PP coated fabric; wall thickness 0,4 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); special colours: full coloured; customer-specific branding

Accessories: 212, 217, 213, 228, 223, 270-271

AIRDUC® TPE 363

**TPE hose, medium-heavy (up to +150°C)**

Applications: flexible hose/ ducting for hot and cold gases and for powder, bulk material, granulate ; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; textile industry, steam soaking: steam iron, industrial ironing machine, smoothing iron; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating; compressor, side channel blower, vacuum pump, pressure pump, pump; paper mill, paper and pulp industry: waste water, air extraction; heating system/ heater: fresh air supply

Properties: medium-heavy duty; very good heat resistance; good resistance to oil, gasoline and chemicals; good resistance to alkalis and acids; conforms to RoHS guideline

Temperature Range: -40°C to 125°C; short time to 150°C

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 30	38	0,930	0,195	23	0,210	10	363-0030-0000
1,25 / 32	40	0,870	0,190	24	0,250	10	363-0032-0000
1,5 / 38	46	0,740	0,175	27	0,290	10	363-0038-0000
- / 40	48	0,705	0,170	28	0,300	10	363-0040-0000
1,75 / 44-45	53	0,630	0,160	31	0,330	10	363-0045-0000
2 / 50-51	58	0,565	0,150	33	0,370	10	363-0050-0000
2,36 / 60	68	0,475	0,115	38	0,450	10	363-0060-0000
2,5 / 63-65	73	0,440	0,100	41	0,490	10	363-0065-0000
- / 70	78	0,410	0,085	43	0,530	10	363-0070-0000
3 / 75-76	83	0,380	0,080	46	0,560	10	363-0075-0000
- / 80	88	0,360	0,070	48	0,590	10	363-0080-0000
3,5 / 89-90	98	0,320	0,065	53	0,670	10	363-0090-0000
4 / 100-102	108	0,290	0,050	58	0,740	10	363-0100-0000
- / 110	118	0,260	0,045	63	0,810	10	363-0110-0000
5 / 125-127	133	0,230	0,035	71	0,910	10	363-0125-0000
- / 130	138	0,220	0,035	73	0,950	10	363-0130-0000
6 / 150-152	158	0,195	0,035	83	1,100	10	363-0150-0000
7 / 178-180	188	0,160	0,025	98	1,290	10	363-0180-0000
8 / 200-203	208	0,145	0,025	108	1,440	10	363-0200-0000
- / 225	233	0,130	0,020	121	1,630	10	363-0225-0000
- / 250	258	0,115	0,020	133	1,810	10	363-0250-0000

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: thermoplastic rubber (TPE); wall thickness 0,8 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); special colours: full coloured; customer-specific branding

Accessories: 212, 212 EC, 217, 213, 228, 223, 270-271

NEO 390 ONE

**Neoprene hose, single-layer, leak-proof (up to +150°C)**

Applications: flexible hose/ ducting for hot and cold gases; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating

Properties: fibre reinforced; highly flexible; very good heat resistance; conforms to RoHS guideline

Temperature Range: -35°C to 135°C; short time to 150°C

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3/4 / 19	21	1,800	0,580	12	0,080	4	390-0019-0000
- / 22	24	1,800	0,580	13	0,090	4	390-0022-0000
1 / 25	29	1,500	0,580	17	0,120	4	390-0025-0000
1,25 / 32	35	1,500	0,580	19	0,130	4	390-0032-0000
1,5 / 38	42	1,500	0,580	23	0,170	4	390-0038-0000
1,75 / 44-45	48	1,500	0,560	26	0,190	4	390-0044-0000
2 / 50-51	55	1,500	0,500	30	0,250	4	390-0051-0000
2,25 / 57	61	1,300	0,500	33	0,280	4	390-0057-0000
2,5 / 63-65	67	1,300	0,500	36	0,300	4	390-0063-0000
- / 70	74	1,200	0,500	39	0,400	4	390-0070-0000
3 / 75-76	80	1,100	0,390	42	0,410	4	390-0076-0000
- / 80	84	1,100	0,390	44	0,420	4	390-0080-0000
3,2 / 83	87	1,100	0,390	46	0,470	4	390-0083-0000
3,5 / 89-90	93	1,100	0,380	49	0,500	4	390-0089-0000
- / 95	99	1,100	0,380	52	0,540	4	390-0095-0000
4 / 100-102	106	1,100	0,300	55	0,570	4	390-0102-0000
- / 108	113	1,000	0,300	59	0,680	4	390-0108-0000
4,5 / 114	119	1,000	0,300	62	0,730	4	390-0114-0000
- / 121	126	0,900	0,290	66	0,760	4	390-0121-0000
5 / 125-127	132	0,900	0,210	69	0,810	4	390-0127-0000
5,5 / 140	145	0,900	0,200	75	0,890	4	390-0140-0000
6 / 150-152	157	0,800	0,180	81	1,050	4	390-0152-0000
7 / 178-180	183	0,600	0,140	94	1,210	4	390-0178-0000
8 / 200-203	208	0,600	0,100	107	1,380	4	390-0203-0000
10 / 254	259	0,400	0,100	132	1,650	4	390-0254-0000
12 / 305	310	0,100	0,070	158	2,000	4	390-0305-0000

Design, Material: Neoprene hose; spring steel wire; fabric-reinforced tape; wall: Neopren coated glass fabric; cord as reinforcement

Delivery variants: further diameters and lengths available on request

Accessories: 208, 211, 228, 270-271

NEO 390 TWO



I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3/4 / 19	22	3,000	0,730	13	0,110	4	390-0019-2005
- / 22	25	3,000	0,720	14	0,170	4	390-0022-2005
1 / 25	30	2,800	0,710	18	0,190	4	390-0025-2005
1,25 / 32	36	2,700	0,650	20	0,280	4	390-0032-2005
1,5 / 38	43	2,600	0,600	24	0,310	4	390-0038-2005
1,75 / 44-45	49	2,600	0,580	27	0,320	4	390-0044-2005
2 / 50-51	56	2,600	0,520	31	0,360	4	390-0051-2005
2,25 / 57	62	2,500	0,480	34	0,430	4	390-0057-2005
2,5 / 63-65	68	2,400	0,460	37	0,490	4	390-0063-2005
- / 70	75	2,100	0,440	40	0,540	4	390-0070-2005
3 / 75-76	81	2,100	0,430	43	0,580	4	390-0076-2005
- / 80	85	2,100	0,420	45	0,610	4	390-0080-2005
3,2 / 83	88	2,100	0,410	47	0,630	4	390-0083-2005
3,5 / 89-90	94	2,000	0,400	50	0,690	4	390-0089-2005
- / 95	100	1,900	0,370	53	0,730	4	390-0095-2005
4 / 100-102	107	1,900	0,350	56	0,770	4	390-0102-2005
- / 108	114	1,800	0,330	60	0,810	4	390-0108-2005
4,5 / 114	120	1,500	0,300	63	0,850	4	390-0114-2005
- / 121	127	1,500	0,240	67	0,890	4	390-0121-2005
5 / 125-127	133	1,400	0,230	70	0,930	4	390-0127-2005
5,5 / 140	146	1,300	0,200	76	1,000	4	390-0140-2005
6 / 150-152	158	1,200	0,170	82	1,200	4	390-0152-2005
7 / 178-180	184	1,000	0,120	95	1,430	4	390-0178-2005
8 / 200-203	209	0,700	0,090	108	1,650	4	390-0203-2005
10 / 254	260	0,500	0,070	133	2,090	4	390-0254-2005
12 / 305	311	0,500	0,070	159	2,610	4	390-0305-2005

Neoprene hose, double-layer, leak-proof (up to +150°C)

Applications: flexible hose/ ducting for hot and cold gases; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating

Properties: fibre reinforced; very good heat resistance; conforms to RoHS guideline

Temperature Range: -35°C to 135°C; short time to 150°C

Design, Material: Neoprene hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: Neopren coated glass fabric; cord as reinforcement

Delivery variants: further diameters and lengths available on request

Accessories: 208, 211, 228, 270-271

CP HYP 450

**Clamp profile hose (clip hose), (up to +170°C)**

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; industrial washing machine: air blower hose for drying; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; vibration resistant; very good heat resistance; good resistance to oil, gasoline and chemicals; good resistance to alkalis and acids; conforms to RoHS guideline

Temperature Range: -40°C to 170°C

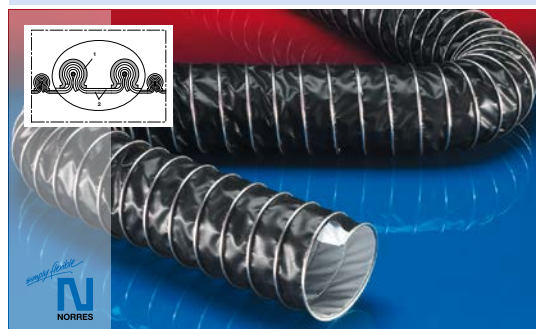
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: CSM coated polyester fabric

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	50	0,785	0,450	21	0,570	6	450-0038-0000
- / 40	52	0,765	0,440	22	0,590	6	450-0040-0000
2 / 50-51	62	0,630	0,380	25	0,760	6	450-0050-0000
- / 55	67	0,600	0,350	27	0,820	6	450-0055-0000
2,36 / 60	72	0,570	0,320	28	0,890	6	450-0060-0000
2,5 / 63-65	77	0,545	0,290	30	0,960	6	450-0065-0000
- / 70	82	0,525	0,260	31	1,030	6	450-0070-0000
3 / 75-76	87	0,500	0,230	33	1,100	6	450-0075-0000
- / 80	92	0,485	0,200	34	1,160	6	450-0080-0000
3,5 / 89-90	102	0,450	0,140	37	1,300	6	450-0090-0000
4 / 100-102	112	0,300	0,120	28	1,030	6	450-0100-0000
- / 110	122	0,285	0,105	30	1,130	3 6	450-0110-0000
4,5 / 114-115	127	0,275	0,098	32	1,170	3 6	450-0115-0000
4,72 / 120	132	0,270	0,090	32	1,220	3 6	450-0120-0000
5 / 125-127	137	0,260	0,085	34	1,270	3 6	450-0125-0000
- / 130	142	0,255	0,075	34	1,320	3 6	450-0130-0000
5,5 / 140	152	0,245	0,060	36	1,420	3 6	450-0140-0000
6 / 150-152	162	0,165	0,050	38	1,040	3 6	450-0150-0000
6,3 / 160	172	0,160	0,045	40	1,110	3 6	450-0160-0000
6,5 / 165	177	0,155	0,040	41	1,140	3 6	450-0165-0000
- / 170	182	0,155	0,040	42	1,170	3 6	450-0170-0000
- / 175	187	0,150	0,040	44	1,210	3 6	450-0175-0000
7 / 178-180	192	0,150	0,040	44	1,240	3 6	450-0180-0000
8 / 200-203	212	0,140	0,030	48	1,370	3 6	450-0200-0000
- / 215	227	0,135	0,030	52	1,470	3 6	450-0215-0000
- / 225	237	0,130	0,025	54	1,540	3 6	450-0225-0000
9 / 228-229	240	0,130	0,025	57	1,560	3 6	450-0228-0000
- / 250	262	0,100	0,025	58	1,710	3 6	450-0250-0000
10 / 254	266	0,095	0,025	60	1,850	3 6	450-0254-0000
- / 275	287	0,090	0,020	64	1,870	3 6	450-0275-0000
11 / 280	292	0,090	0,020	65	1,960	3 6	450-0280-0000
- / 300	312	0,085	0,015	68	2,040	3 6	450-0300-0000
12 / 305	317	0,085	0,015	69	2,070	3 6	450-0305-0000
- / 315	327	0,085	0,015	71	2,140	3 6	450-0315-0000
- / 325	337	0,080	0,015	74	2,210	3 6	450-0325-0000
13 / 330	342	0,080	0,015	75	2,250	3 6	450-0330-0000
- / 350	362	0,065	0,015	78	2,370	3 6	450-0350-0000
14 / 356	368	0,065	0,015	80	2,400	3 6	450-0356-0000
- / 375	387	0,060	0,010	83	2,500	3 6	450-0375-0000
- / 400	412	0,060	0,010	88	2,710	3 6	450-0400-0000
16 / 405-406	418	0,055	0,010	90	2,750	3 6	450-0406-0000
- / 450	462	0,055	0,010	98	3,040	3 6	450-0450-0000
18 / 457	469	0,050	0,010	100	3,090	3 6	450-0457-0000
- / 500	512	0,050	0,005	108	3,370	3 6	450-0500-0000
20 / 508	520	0,035	0,005	110	3,410	3 6	450-0508-0000
- / 600	612	0,030	0,005	128	4,040	3	450-0600-0000
24 / 610	622	0,030	0,005	130	4,120	3	450-0610-0000
- / 700	712	0,025	0,002	148	4,710	3	450-0700-0000
28 / 712	724	0,025	0,002	151	4,790	3	450-0712-0000
- / 750	762	0,025	0,002	158	5,040	3	450-0750-0000
- / 800	812	0,025	0,002	168	5,370	3	450-0800-0000
32 / 813-815	827	0,025	0,002	171	5,470	3	450-0815-0000
- / 900	912	0,020	0,001	188	6,040	3	450-0900-0000
36 / 915	927	0,020	0,001	191	6,140	3	450-0915-0000
- / 1000	1012	0,020	0,001	208	6,710	3	450-1000-0000
40 / 1016	1028	0,020	0,001	213	6,820	3	450-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP PTFE/HYP-INOX 472

**Clamp profile hose (clip hose), double-layer (up to +170°C)**

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; anti-adhesive; good resistance to alkalis and acids; extremely good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 170°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); double-layer wall; wall: PTFE film interior, CSM coated polyester fabric exterior

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,410	0,300	18	0,840	6	472-0050-0000
- / 55	67	0,390	0,280	20	0,910	6	472-0055-0000
2,36 / 60	72	0,370	0,250	20	0,990	6	472-0060-0000
2,5 / 63-65	77	0,355	0,230	22	1,060	6	472-0065-0000
- / 70	82	0,340	0,210	22	1,140	6	472-0070-0000
3 / 75-76	87	0,325	0,180	24	1,210	6	472-0075-0000
- / 80	92	0,315	0,160	24	1,290	6	472-0080-0000
3,5 / 89-90	102	0,290	0,110	26	1,430	6	472-0090-0000
4 / 100-102	112	0,195	0,100	28	1,160	6	472-0100-0000
- / 110	122	0,185	0,085	30	1,260	3 6	472-0110-0000
4,5 / 114-115	127	0,180	0,080	32	1,310	3 6	472-0115-0000
4,72 / 120	132	0,175	0,075	32	1,370	3 6	472-0120-0000
5 / 125-127	137	0,170	0,070	34	1,430	3 6	472-0125-0000
- / 130	142	0,165	0,060	34	1,480	3 6	472-0130-0000
5,5 / 140	152	0,160	0,050	36	1,590	3 6	472-0140-0000
6 / 150-152	162	0,110	0,040	38	1,200	3 6	472-0150-0000
6,3 / 160	172	0,105	0,035	40	1,270	3 6	472-0160-0000
6,5 / 165	177	0,100	0,035	41	1,310	3 6	472-0165-0000
- / 170	182	0,100	0,035	42	1,350	3 6	472-0170-0000
- / 175	187	0,100	0,030	44	1,390	3 6	472-0175-0000
7 / 178-180	192	0,095	0,030	44	1,420	3 6	472-0180-0000
8 / 200-203	212	0,090	0,025	48	1,580	3 6	472-0200-0000
- / 215	227	0,085	0,020	52	1,690	3 6	472-0215-0000
- / 225	237	0,085	0,020	54	1,750	3 6	472-0225-0000
9 / 228-229	240	0,085	0,020	55	1,800	3 6	472-0228-0000
- / 250	262	0,065	0,020	58	1,960	3 6	472-0250-0000
10 / 254	266	0,065	0,020	60	1,990	3 6	472-0254-0000
- / 275	287	0,060	0,015	64	2,150	3 6	472-0275-0000
11 / 280	292	0,060	0,015	65	2,200	3 6	472-0280-0000
- / 300	312	0,055	0,010	68	2,340	3 6	472-0300-0000
12 / 305	317	0,055	0,010	69	2,380	3 6	472-0305-0000
- / 315	327	0,055	0,010	71	2,460	3 6	472-0315-0000
- / 325	337	0,055	0,010	74	2,530	3 6	472-0325-0000
13 / 330	342	0,050	0,010	75	2,570	3 6	472-0330-0000
- / 350	362	0,040	0,010	78	2,720	3 6	472-0350-0000
14 / 356	368	0,040	0,010	80	2,770	3 6	472-0356-0000
- / 375	387	0,040	0,010	83	2,910	3 6	472-0375-0000
- / 400	412	0,040	0,010	88	3,100	3 6	472-0400-0000
16 / 405-406	418	0,040	0,010	90	3,150	3 6	472-0406-0000
- / 450	462	0,035	0,005	98	3,490	3 6	472-0450-0000
18 / 457	469	0,035	0,005	100	3,540	3 6	472-0457-0000
- / 500	512	0,030	0,005	108	3,870	3 6	472-0500-0000
20 / 508	520	0,025	0,005	112	3,930	3 6	472-0508-0000
- / 600	612	0,020	0,005	128	4,630	3	472-0600-0000
24 / 610	622	0,020	0,005	130	4,710	3	472-0610-0000
- / 700	712	0,015	0,002	148	5,390	3	472-0700-0000
28 / 712	724	0,015	0,002	151	5,480	3	472-0712-0000
- / 750	762	0,015	0,001	158	5,780	3	472-0750-0000
- / 800	812	0,015	0,001	168	6,160	3	472-0800-0000
32 / 813-815	827	0,015	0,001	171	6,280	3	472-0815-0000
- / 900	912	0,015	0,001	188	6,920	3	472-0900-0000
36 / 915	927	0,015	0,001	191	7,030	3	472-0915-0000
- / 1000	1012	0,015	0,001	208	7,680	3	472-1000-0000
40 / 1016	1028	0,010	0,001	212	7,790	3	472-1016-0000

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

TEFLON® is a registered trademark of DuPont.

CP PTFE/HYP-INOX 472 EC



Electrically conductive clamp profile hose (clip hose), double-layer, highly chemical resistant (up to +170°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; anti-adhesive; good resistance to alkalis and acids; extremely good resistance to chemicals; surface resistance PTFE film $<10^8 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -40°C to 170°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); wall: semi-conducting PTFE film interior, CSM coated polyester fabric exterior

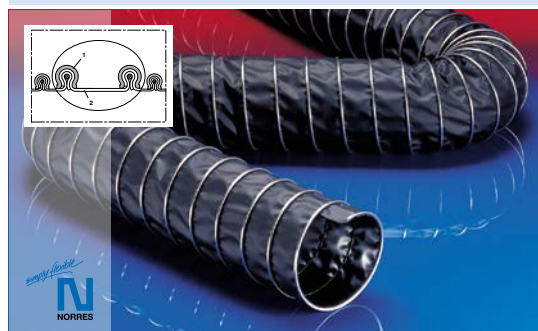
I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,410	0,300	18	0,840	6	472-0050-1003
- / 55	67	0,390	0,280	20	0,910	6	472-0055-1003
2,36 / 60	72	0,370	0,250	20	0,990	6	472-0060-1003
2,5 / 63-65	77	0,355	0,230	22	1,060	6	472-0065-1003
- / 70	82	0,340	0,210	22	1,130	6	472-0070-1003
3 / 75-76	87	0,325	0,180	24	1,210	6	472-0075-1003
- / 80	92	0,315	0,160	24	1,290	6	472-0080-1003
3,5 / 89-90	102	0,290	0,110	26	1,430	6	472-0090-1003
4 / 100-102	112	0,195	0,100	28	1,160	6	472-0100-1003
- / 110	122	0,185	0,085	30	1,260	3 6	472-0110-1003
4,5 / 114-115	127	0,180	0,080	32	1,310	3 6	472-0115-1003
4,72 / 120	132	0,175	0,075	32	1,370	3 6	472-0120-1003
5 / 125-127	137	0,170	0,070	34	1,430	3 6	472-0125-1003
- / 130	142	0,165	0,060	34	1,480	3 6	472-0130-1003
5,5 / 140	152	0,160	0,050	36	1,590	3 6	472-0140-1003
6 / 150-152	162	0,110	0,040	38	1,190	3 6	472-0150-1003
6,3 / 160	172	0,105	0,035	40	1,270	3 6	472-0160-1003
6,5 / 165	177	0,100	0,035	41	1,310	3 6	472-0165-1003
- / 170	182	0,100	0,035	42	1,350	3 6	472-0170-1003
- / 175	187	0,100	0,030	44	1,380	3 6	472-0175-1003
7 / 178-180	192	0,095	0,030	44	1,420	3 6	472-0180-1003
8 / 200-203	212	0,090	0,025	48	1,580	3 6	472-0200-1003
- / 215	227	0,085	0,020	52	1,690	3 6	472-0215-1003
- / 225	237	0,085	0,020	54	1,770	3 6	472-0225-1003
9 / 228-229	240	0,085	0,020	54	1,795	3 6	472-0228-1003
- / 250	262	0,065	0,020	58	1,960	3 6	472-0250-1003
10 / 254	266	0,065	0,020	59	1,990	3 6	472-0254-1003
- / 275	287	0,060	0,015	64	2,150	3 6	472-0275-1003
11 / 280	292	0,060	0,015	65	2,190	3 6	472-0280-1003
- / 300	312	0,055	0,010	68	2,340	3 6	472-0300-1003
12 / 305	317	0,055	0,010	69	2,380	3 6	472-0305-1003
- / 315	327	0,055	0,010	71	2,460	3 6	472-0315-1003
- / 325	337	0,055	0,010	74	2,530	3 6	472-0325-1003
13 / 330	342	0,050	0,010	75	2,570	3 6	472-0330-1003
- / 350	362	0,040	0,010	78	2,720	3 6	472-0350-1003
14 / 356	368	0,040	0,010	79	2,765	3 6	472-0356-1003
- / 375	387	0,040	0,010	83	2,910	3 6	472-0375-1003
- / 400	412	0,040	0,010	88	3,100	3 6	472-0400-1003
16 / 405-406	418	0,040	0,010	89	3,190	3 6	472-0406-1003
- / 450	462	0,035	0,005	98	3,870	3 6	472-0450-1003
18 / 457	469	0,035	0,005	100	3,870	3 6	472-0457-1003
- / 500	512	0,030	0,005	108	3,870	3 6	472-0500-1003
20 / 508	520	0,025	0,005	110	3,930	3 6	472-0508-1003
- / 600	612	0,020	0,005	128	4,630	3	472-0600-1003
24 / 610	622	0,020	0,005	130	4,705	3	472-0610-1003
- / 700	712	0,015	0,002	148	5,390	3	472-0700-1003
28 / 712	724	0,015	0,001	151	5,475	3	472-0712-1003
- / 750	762	0,015	0,001	158	5,750	3	472-0750-1003
- / 800	812	0,015	0,001	168	6,160	3	472-0800-1003
32 / 813-815	827	0,015	0,001	171	6,275	3	472-0815-1003
- / 900	912	0,015	0,001	188	6,920	3	472-0900-1003
36 / 915	927	0,015	0,001	191	7,035	3	472-0915-1003
- / 1000	1012	0,015	0,001	208	7,680	3	472-1000-1003
40 / 1016	1028	0,010	0,001	211	7,800	3	472-1016-1003

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

TEFLON® is a registered trademark of DuPont.

CP VITON® 459 EC



Electrically conductive clamp profile hose (clip hose), (up to +210°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area; bellows, compensators

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; good resistance to oil, gasoline and chemicals; good resistance to alkalis and acids; electrically conductive wall: electrical and surface resistance <10⁴ Ω; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -20°C to 210°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: VITON® coated polyester fabric

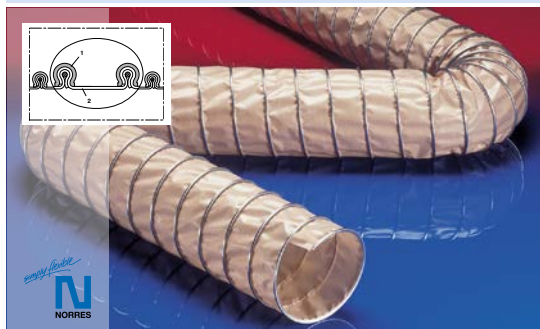
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	50	0,785	0,450	21	0,480	6	459-0038-0000
- / 40	52	0,765	0,440	22	0,530	6	459-0040-0000
2 / 50-51	62	0,630	0,380	25	0,640	6	459-0050-0000
- / 55	67	0,600	0,350	27	0,700	6	459-0055-0000
2,36 / 60	72	0,570	0,320	28	0,760	6	459-0060-0000
2,5 / 63-65	77	0,545	0,290	30	0,810	6	459-0065-0000
- / 70	82	0,525	0,260	31	0,870	6	459-0070-0000
3 / 75-76	87	0,500	0,230	33	0,930	6	459-0075-0000
- / 80	92	0,485	0,200	34	0,980	6	459-0080-0000
3,5 / 89-90	102	0,450	0,140	37	1,100	6	459-0090-0000
4 / 100-102	112	0,300	0,120	28	0,900	6	459-0100-0000
- / 110	122	0,285	0,105	30	0,980	3 6	459-0110-0000
4,5 / 114-115	127	0,275	0,097	32	1,025	3 6	459-0115-0000
4,72 / 120	132	0,270	0,090	32	1,070	3 6	459-0120-0000
5 / 125-127	137	0,260	0,085	34	1,110	3 6	459-0125-0000
- / 130	142	0,255	0,075	34	1,150	3 6	459-0130-0000
5,5 / 140	152	0,245	0,060	36	1,230	3 6	459-0140-0000
6 / 150-152	162	0,165	0,050	38	0,880	3 6	459-0150-0000
6,3 / 160	172	0,160	0,045	40	0,930	3 6	459-0160-0000
6,5 / 165	177	0,155	0,045	41	0,960	3 6	459-0165-0000
- / 170	182	0,155	0,040	42	0,990	3 6	459-0170-0000
- / 175	187	0,150	0,040	44	1,020	3 6	459-0175-0000
7 / 178-180	192	0,150	0,040	44	1,040	3 6	459-0180-0000
8 / 200-203	212	0,140	0,030	48	1,160	3 6	459-0200-0000
- / 215	227	0,135	0,030	52	1,240	3 6	459-0215-0000
- / 225	237	0,130	0,025	54	1,300	3 6	459-0225-0000
9 / 228-229	240	0,120	0,025	54	1,315	3 6	459-0228-0000
- / 250	262	0,100	0,025	58	1,440	3 6	459-0250-0000
10 / 254	266	0,095	0,025	59	1,460	3 6	459-0254-0000
- / 275	287	0,090	0,020	64	1,580	3 6	459-0275-0000
11 / 280	292	0,090	0,020	65	1,610	3 6	459-0280-0000
- / 300	312	0,085	0,015	68	1,720	3 6	459-0300-0000
12 / 305	317	0,085	0,015	69	1,740	3 6	459-0305-0000
- / 315	327	0,085	0,015	71	1,780	3 6	459-0315-0000
- / 325	337	0,080	0,015	74	1,850	3 6	459-0325-0000
13 / 330	342	0,080	0,015	75	1,880	3 6	459-0330-0000
- / 350	362	0,065	0,015	78	2,000	3 6	459-0350-0000
14 / 356	368	0,065	0,015	79	2,030	3 6	459-0356-0000
- / 375	387	0,060	0,010	83	2,130	3 6	459-0375-0000
- / 400	412	0,060	0,010	88	2,280	3 6	459-0400-0000
16 / 405-406	418	0,060	0,010	89	2,315	3 6	459-0406-0000
- / 450	462	0,055	0,010	98	2,560	3 6	459-0450-0000
18 / 457	469	0,050	0,010	100	2,600	3 6	459-0457-0000
- / 500	512	0,050	0,005	108	2,840	3 6	459-0500-0000
20 / 508	520	0,035	0,005	110	2,885	3 6	459-0508-0000
- / 600	612	0,030	0,005	128	3,400	3	459-0600-0000
24 / 610	622	0,030	0,005	130	3,455	3	459-0610-0000
- / 700	712	0,025	0,002	148	3,960	3	459-0700-0000
28 / 712	724	0,025	0,002	151	4,030	3	459-0712-0000
- / 750	762	0,025	0,002	158	4,243	3	459-0750-0000
- / 800	812	0,025	0,002	168	4,520	3	459-0800-0000
32 / 813-815	827	0,025	0,001	171	4,605	3	459-0815-0000
- / 900	912	0,020	0,001	188	5,090	3	459-0900-0000
36 / 915	927	0,020	0,001	191	5,175	3	459-0915-0000
- / 1000	1012	0,020	0,001	208	5,650	3	459-1000-0000
40 / 1016	1028	0,020	0,001	211	5,740	3	459-1016-0000

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

VITON® is a registered trademark of DuPont.

CP PTFE-INOX 475 FOOD



Clamp profile hose (clip hose), food hose and pharmaceutical hose, highly chemical resistant (up to +270°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; food industry, pharmaceutical industry: foodstuff, pharmaceutical; mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill; extraction arm; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; paper mill, paper and pulp industry: waste water, air extraction

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; Inside layer food quality complies with: EU-Directive 10/2011 and EC 1935/2004; food grade wall, complies with: FDA 21 CFR 177.1550, German guideline XV BfR; odourless and tasteless; anti-adhesive; good resistance to alkalis and acids; extremely good resistance to chemicals; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -150°C to 250°C; short time to 270°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); wall: PTFE coated glass fabric

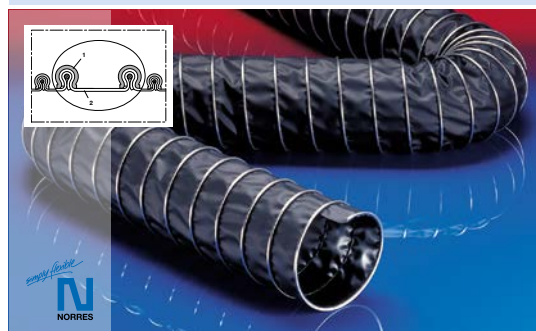
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,410	0,270	18	0,570	6	475-0050-0000
- / 55	67	0,390	0,250	20	0,620	6	475-0055-0000
2,36 / 60	72	0,370	0,220	20	0,640	6	475-0060-0000
2,5 / 63-65	77	0,355	0,200	22	0,720	6	475-0065-0000
- / 70	82	0,340	0,180	22	0,770	6	475-0070-0000
3 / 75-76	87	0,325	0,160	24	0,820	6	475-0075-0000
- / 80	92	0,315	0,140	24	0,880	6	475-0080-0000
3,5 / 89-90	102	0,290	0,100	26	0,980	6	475-0090-0000
4 / 100-102	112	0,195	0,085	28	0,820	6	475-0100-0000
- / 110	122	0,185	0,075	30	0,900	3 6	475-0110-0000
4,5 / 114-115	127	0,180	0,070	32	0,940	3 6	475-0115-0000
4,72 / 120	132	0,175	0,065	32	0,980	3 6	475-0120-0000
5 / 125-127	137	0,170	0,060	34	1,020	3 6	475-0125-0000
- / 130	142	0,165	0,055	34	1,060	3 6	475-0130-0000
5,5 / 140	152	0,160	0,040	36	1,140	3 6	475-0140-0000
6 / 150-152	162	0,110	0,035	38	0,760	3 6	475-0150-0000
6,3 / 160	172	0,105	0,030	40	0,810	3 6	475-0160-0000
6,5 / 165	177	0,100	0,030	41	0,830	3 6	475-0165-0000
- / 170	182	0,100	0,030	42	0,850	3 6	475-0170-0000
- / 175	187	0,100	0,030	44	0,880	3 6	475-0175-0000
7 / 178-180	192	0,095	0,025	44	0,900	3 6	475-0180-0000
8 / 200-203	212	0,090	0,020	48	1,000	3 6	475-0200-0000
- / 215	227	0,085	0,020	52	1,070	3 6	475-0215-0000
- / 225	237	0,085	0,020	54	1,120	3 6	475-0225-0000
9 / 228-229	240	0,085	0,020	54	1,135	3 6	475-0228-0000
- / 250	262	0,065	0,015	58	1,240	3 6	475-0250-0000
10 / 254	266	0,065	0,015	59	1,260	3 6	475-0254-0000
- / 275	287	0,060	0,015	64	1,360	3 6	475-0275-0000
11 / 280	292	0,060	0,015	65	1,385	3 6	475-0280-0000
- / 300	312	0,055	0,010	68	1,480	3 6	475-0300-0000
12 / 305	317	0,055	0,010	69	1,505	3 6	475-0305-0000
- / 315	327	0,055	0,010	71	1,560	3 6	475-0315-0000
- / 325	337	0,055	0,010	74	1,650	3 6	475-0325-0000
13 / 330	342	0,050	0,010	75	1,665	3 6	475-0330-0000
- / 350	362	0,040	0,010	78	1,730	3 6	475-0350-0000
14 / 356	368	0,040	0,010	79	1,785	3 6	475-0356-0000
- / 375	387	0,040	0,010	83	1,950	3 6	475-0375-0000
- / 400	412	0,040	0,005	88	1,970	3 6	475-0400-0000
16 / 405-406	418	0,040	0,005	89	2,000	3 6	475-0406-0000
- / 450	462	0,035	0,005	98	2,210	3 6	475-0450-0000
18 / 457	469	0,035	0,005	100	2,245	3 6	475-0457-0000
- / 500	512	0,030	0,005	108	2,450	3 6	475-0500-0000
20 / 508	520	0,025	0,005	110	2,490	3 6	475-0508-0000
- / 600	612	0,020	0,005	128	2,940	3	475-0600-0000
24 / 610	622	0,020	0,005	130	2,990	3	475-0610-0000
- / 700	712	0,015	0,002	148	3,420	3	475-0700-0000
28 / 712	724	0,015	0,001	151	3,480	3	475-0712-0000
- / 750	762	0,015	0,001	158	3,660	3	475-0750-0000
- / 800	812	0,015	0,001	168	3,910	3	475-0800-0000
32 / 813-815	827	0,015	0,001	171	4,010	3	475-0815-0000
- / 900	912	0,015	0,001	188	4,580	3	475-0900-0000
36 / 915	927	0,015	0,001	191	4,625	3	475-0915-0000
- / 1000	1012	0,015	0,001	208	4,880	3	475-1000-0000
40 / 1016	1028	0,010	0,001	211	4,930	3	475-1016-0000

Delivery variants: further diameters and lengths available on request; double-layer

Accessories: 212, 217, 213, 228, 270-271

TEFLON® is a registered trademark of DuPont.

CP PTFE-INOX 475 EC



Electrically conductive clamp profile hose (clip hose), highly chemical resistant (up to +270°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; extraction arm; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; anti-adhesive; good resistance to alkalis and acids; extremely good resistance to chemicals; surface resistance PTFE film <10⁶ Ω; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -150°C to 250°C; short time to 270°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); wall: PTFE coated glass fabric

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,410	0,270	18	0,570	6	475-0050-1003
- / 55	67	0,390	0,250	20	0,620	6	475-0055-1003
2,36 / 60	72	0,370	0,220	20	0,640	6	475-0060-1003
2,5 / 63-65	77	0,355	0,200	22	0,720	6	475-0065-1003
- / 70	82	0,340	0,180	22	0,770	6	475-0070-1003
3 / 75-76	87	0,325	0,160	24	0,820	6	475-0075-1003
- / 80	92	0,315	0,140	24	0,880	6	475-0080-1003
3,5 / 89-90	102	0,290	0,100	26	0,980	6	475-0090-1003
4 / 100-102	112	0,195	0,085	28	0,820	6	475-0100-1003
- / 110	122	0,185	0,075	30	0,900	3 6	475-0110-1003
4,5 / 114-115	127	0,180	0,070	31	0,940	3 6	475-0115-1003
4,72 / 120	132	0,175	0,065	32	0,980	3 6	475-0120-1003
5 / 125-127	137	0,170	0,060	34	1,020	3 6	475-0125-1003
- / 130	142	0,165	0,055	34	1,060	3 6	475-0130-1003
5,5 / 140	152	0,160	0,040	36	1,140	3 6	475-0140-1003
6 / 150-152	162	0,110	0,035	38	0,760	3 6	475-0150-1003
6,3 / 160	172	0,105	0,030	40	0,810	3 6	475-0160-1003
6,5 / 165	177	0,100	0,030	41	0,830	3 6	475-0165-1003
- / 170	182	0,100	0,030	42	0,850	3 6	475-0170-1003
- / 175	187	0,100	0,030	44	0,880	3 6	475-0175-1003
7 / 178-180	192	0,095	0,025	44	0,900	3 6	475-0180-1003
8 / 200-203	212	0,090	0,020	48	1,000	3 6	475-0200-1003
- / 215	227	0,085	0,020	52	1,070	3 6	475-0215-1003
- / 225	237	0,085	0,020	54	1,120	3 6	475-0225-1003
9 / 228-229	240	0,085	0,020	54	1,135	3 6	475-0228-1003
- / 250	262	0,065	0,015	58	1,240	3 6	475-0250-1003
10 / 254	266	0,065	0,015	59	1,260	3 6	475-0254-1003
- / 275	287	0,060	0,015	64	1,360	3 6	475-0275-1003
11 / 280	292	0,060	0,015	65	1,385	3 6	475-0280-1003
- / 300	312	0,055	0,010	68	1,480	3 6	475-0300-1003
12 / 305	317	0,055	0,010	69	1,505	3 6	475-0305-1003
- / 315	327	0,055	0,010	71	1,560	3 6	475-0315-1003
- / 325	337	0,055	0,010	74	1,650	3 6	475-0325-1003
13 / 330	342	0,050	0,010	75	1,665	3 6	475-0330-1003
- / 350	362	0,040	0,010	78	1,730	3 6	475-0350-1003
14 / 356	368	0,040	0,010	79	1,785	3 6	475-0356-1003
- / 375	387	0,040	0,010	83	1,950	3 6	475-0375-1003
- / 400	412	0,040	0,005	88	1,970	3 6	475-0400-1003
16 / 405-406	418	0,040	0,005	89	2,000	3 6	475-0406-1003
- / 450	462	0,035	0,005	98	2,210	3 6	475-0450-1003
18 / 457	469	0,035	0,005	100	2,245	3 6	475-0457-1003
- / 500	512	0,030	0,005	108	2,450	3 6	475-0500-1003
20 / 508	520	0,025	0,005	110	2,490	3 6	475-0508-1003
- / 600	612	0,020	0,005	128	2,940	3	475-0600-1003
24 / 610	622	0,020	0,005	130	2,990	3	475-0610-1003
- / 700	712	0,015	0,002	148	3,420	3	475-0700-1003
28 / 712	724	0,015	0,001	151	3,480	3	475-0712-1003
- / 750	762	0,015	0,001	158	3,660	3	475-0750-1003
- / 800	812	0,015	0,001	168	3,910	3	475-0800-1003
32 / 813-815	827	0,015	0,001	171	4,010	3	475-0815-1003
- / 900	912	0,015	0,001	188	4,580	3	475-0900-1003
36 / 915	927	0,015	0,001	191	4,625	3	475-0915-1003
- / 1000	1012	0,015	0,001	208	4,880	3	475-1000-1003
40 / 1016	1028	0,010	0,001	211	4,930	3	475-1016-1003

Delivery variants: further diameters and lengths available on request; black (standard); double-layer

Accessories: 212, 217, 213, 228, 270-271

CP PTFE/GLASS-INOX 471



Clamp profile hose (clip hose), double-layer, highly chemical resistant (up to +270°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; anti-adhesive; good resistance to alkalis and acids; extremely good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -150°C to 250°C; short time to 270°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); double-layer wall; wall: interior PTFE foil, exterior special-coated glass fabric

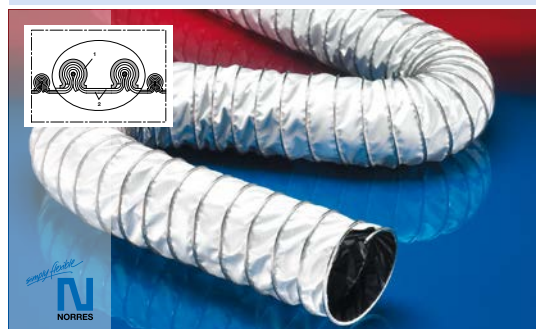
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,410	0,300	18	0,610	6	471-0050-0000
- / 55	67	0,390	0,280	20	0,660	6	471-0055-0000
2,36 / 60	72	0,370	0,250	20	0,720	6	471-0060-0000
2,5 / 63-65	77	0,355	0,230	22	0,770	6	471-0065-0000
- / 70	82	0,340	0,210	22	0,830	6	471-0070-0000
3 / 75-76	87	0,325	0,180	24	0,880	6	471-0075-0000
- / 80	92	0,315	0,160	24	0,940	6	471-0080-0000
3,5 / 89-90	102	0,290	0,110	26	1,050	6	471-0090-0000
4 / 100-102	112	0,195	0,100	28	0,860	6	471-0100-0000
- / 110	122	0,185	0,085	30	0,950	3 6	471-0110-0000
4,5 / 114-115	127	0,180	0,080	31	0,990	3 6	471-0115-0000
4,72 / 120	132	0,175	0,075	32	1,030	3 6	471-0120-0000
5 / 125-127	137	0,170	0,070	34	1,070	3 6	471-0125-0000
- / 130	142	0,165	0,060	34	1,110	3 6	471-0130-0000
5,5 / 140	152	0,160	0,050	36	1,190	3 6	471-0140-0000
6 / 150-152	162	0,110	0,040	38	0,860	3 6	471-0150-0000
6,3 / 160	172	0,105	0,035	40	0,910	3 6	471-0160-0000
6,5 / 165	177	0,100	0,030	41	0,940	3 6	471-0165-0000
- / 170	182	0,100	0,030	42	0,970	3 6	471-0170-0000
- / 175	187	0,100	0,030	44	0,990	3 6	471-0175-0000
7 / 178-180	192	0,095	0,030	44	1,020	3 6	471-0180-0000
8 / 200-203	212	0,090	0,025	48	1,130	3 6	471-0200-0000
- / 215	227	0,085	0,020	52	1,210	3 6	471-0215-0000
- / 225	237	0,085	0,020	54	1,270	3 6	471-0225-0000
9 / 228-229	240	0,085	0,020	54	1,290	3 6	471-0228-0000
- / 250	262	0,065	0,020	58	1,400	3 6	471-0250-0000
10 / 254	266	0,065	0,020	60	1,430	3 6	471-0254-0000
- / 275	287	0,060	0,015	64	1,540	3 6	471-0275-0000
11 / 280	292	0,060	0,010	65	1,550	3 6	471-0280-0000
- / 300	312	0,055	0,010	68	1,680	3 6	471-0300-0000
12 / 305	317	0,055	0,010	69	1,720	3 6	471-0305-0000
- / 315	327	0,055	0,010	71	1,780	3 6	471-0315-0000
- / 325	337	0,055	0,010	74	1,850	3 6	471-0325-0000
13 / 330	342	0,050	0,010	75	1,870	3 6	471-0330-0000
- / 350	362	0,040	0,010	78	1,950	3 6	471-0350-0000
14 / 356	368	0,040	0,010	80	1,990	3 6	471-0356-0000
- / 375	387	0,040	0,010	83	2,130	3 6	471-0375-0000
- / 400	412	0,040	0,010	88	2,230	3 6	471-0400-0000
16 / 405-406	418	0,040	0,010	90	2,260	3 6	471-0406-0000
- / 450	462	0,035	0,005	98	2,500	3 6	471-0450-0000
18 / 457	469	0,035	0,005	100	2,540	3 6	471-0457-0000
- / 500	512	0,030	0,005	108	2,770	3 6	471-0500-0000
20 / 508	520	0,025	0,005	110	2,810	3 6	471-0508-0000
- / 600	612	0,020	0,005	128	3,320	3	471-0600-0000
24 / 610	622	0,020	0,005	130	3,380	3	471-0610-0000
- / 700	712	0,015	0,002	148	3,870	3	471-0700-0000
28 / 712	724	0,015	0,002	151	3,940	3	471-0712-0000
- / 750	762	0,015	0,001	158	4,150	3	471-0750-0000
- / 800	812	0,015	0,001	168	4,420	3	471-0800-0000
32 / 813-815	827	0,015	0,001	171	4,520	3	471-0815-0000
- / 900	912	0,015	0,001	188	5,070	3	471-0900-0000
36 / 915	927	0,015	0,001	191	5,140	3	471-0915-0000
- / 1000	1012	0,015	0,001	208	5,510	3	471-1000-0000
40 / 1016	1028	0,010	0,005	213	5,580	3	471-1016-0000

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

TEFLON® is a registered trademark of DuPont.

CP PTFE/GLASS-INOX 471 EC



Electrically conductive clamp profile hose (clip hose), double-layer, highly chemical resistant (up to +270°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; explosion hazard area

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; anti-adhesive; good resistance to alkalis and acids; extremely good resistance to chemicals; surface resistance PTFE film $<10^6 \Omega$; in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dusts (Zone 22 inside), for use in zone 1 and 2 (gases), for use in Zone 0 (gases); conforms to RoHS guideline

Temperature Range: -150°C to 250°C; short time to 270°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); wall: interior semi-conducting PTFE foil, exterior special-coated glass fabric

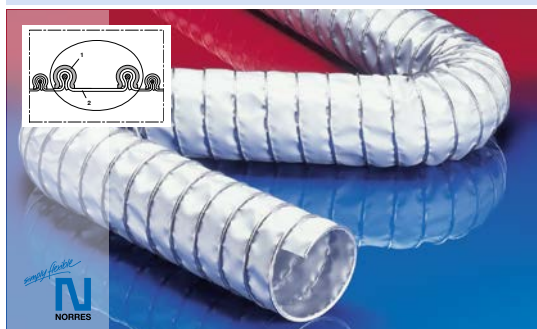
I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,410	0,300	18	0,610	6	471-0050-1003
- / 55	67	0,390	0,280	20	0,660	6	471-0055-1003
2,36 / 60	72	0,370	0,250	20	0,720	6	471-0060-1003
2,5 / 63-65	77	0,355	0,230	22	0,770	6	471-0065-1003
- / 70	82	0,340	0,210	22	0,830	6	471-0070-1003
3 / 75-76	87	0,325	0,180	24	0,880	6	471-0075-1003
- / 80	92	0,315	0,160	24	0,940	6	471-0080-1003
3,5 / 89-90	102	0,290	0,110	26	1,050	6	471-0090-1003
4 / 100-102	112	0,195	0,100	28	0,860	6	471-0100-1003
- / 110	122	0,185	0,085	30	0,950	3 6	471-0110-1003
4,5 / 114-115	127	0,180	0,080	32	0,990	3 6	471-0115-1003
4,72 / 120	132	0,175	0,075	32	1,030	3 6	471-0120-1003
5 / 125-127	137	0,170	0,070	34	1,070	3 6	471-0125-1003
- / 130	142	0,165	0,060	34	1,110	3 6	471-0130-1003
5,5 / 140	152	0,160	0,050	36	1,190	3 6	471-0140-1003
6 / 150-152	162	0,110	0,040	38	0,860	3 6	471-0150-1003
6,3 / 160	172	0,105	0,035	40	0,910	3 6	471-0160-1003
6,5 / 165	177	0,100	0,035	41	0,940	3 6	471-0165-1003
- / 170	182	0,100	0,030	42	0,970	3 6	471-0170-1003
- / 175	187	0,100	0,030	44	0,990	3 6	471-0175-1003
7 / 178-180	192	0,095	0,030	44	1,020	3 6	471-0180-1003
8 / 200-203	212	0,090	0,025	48	1,130	3 6	471-0200-1003
- / 215	227	0,085	0,020	52	1,210	3 6	471-0215-1003
- / 225	237	0,085	0,020	54	1,270	3 6	471-0225-1003
9 / 228-229	240	0,085	0,020	54	1,285	3 6	471-0228-1003
- / 250	262	0,065	0,020	58	1,400	3 6	471-0250-1003
10 / 254	266	0,065	0,020	59	1,420	3 6	471-0254-1003
- / 275	287	0,060	0,015	64	1,540	3 6	471-0275-1003
11 / 280	292	0,060	0,015	65	1,570	3 6	471-0280-1003
- / 300	312	0,055	0,010	68	1,680	3 6	471-0300-1003
12 / 305	317	0,055	0,010	69	1,715	3 6	471-0305-1003
- / 315	327	0,055	0,010	71	1,780	3 6	471-0315-1003
- / 325	337	0,055	0,010	74	1,850	3 6	471-0325-1003
13 / 330	342	0,050	0,010	75	1,870	3 6	471-0330-1003
- / 350	362	0,040	0,010	78	1,950	3 6	471-0350-1003
14 / 356	368	0,040	0,010	79	1,995	3 6	471-0356-1003
- / 375	387	0,040	0,010	83	2,130	3 6	471-0375-1003
- / 400	412	0,040	0,010	88	2,230	3 6	471-0400-1003
16 / 405-406	418	0,040	0,010	89	2,260	3 6	471-0406-1003
- / 450	462	0,035	0,005	98	2,500	3 6	471-0450-1003
18 / 457	469	0,035	0,005	100	2,540	3 6	471-0457-1003
- / 500	512	0,030	0,005	108	2,770	3 6	471-0500-1003
20 / 508	520	0,025	0,005	110	2,815	3 6	471-0508-1003
- / 600	612	0,020	0,005	128	3,320	3	471-0600-1003
24 / 610	622	0,020	0,005	130	3,375	3	471-0610-1003
- / 700	712	0,015	0,002	148	3,870	3	471-0700-1003
28 / 712	724	0,015	0,001	151	3,935	3	471-0712-1003
- / 750	762	0,015	0,001	158	4,150	3	471-0750-1003
- / 800	812	0,015	0,001	168	4,420	3	471-0800-1003
32 / 813-815	827	0,015	0,001	171	4,520	3	471-0815-1003
- / 900	912	0,015	0,001	188	5,070	3	471-0900-1003
36 / 915	927	0,015	0,001	191	5,135	3	471-0915-1003
- / 1000	1012	0,015	0,001	208	5,510	3	471-1000-1003
40 / 1016	1028	0,010	0,001	211	5,580	3	471-1016-1003

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

TEFLON® is a registered trademark of DuPont.

CP SIL 460

**Clamp profile hose (clip hose), (up to +280°C)**

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; flame-retardant according to: DIN 4102-B1; conforms to RoHS guideline

Temperature Range: -70°C to 260°C; short time to 280°C

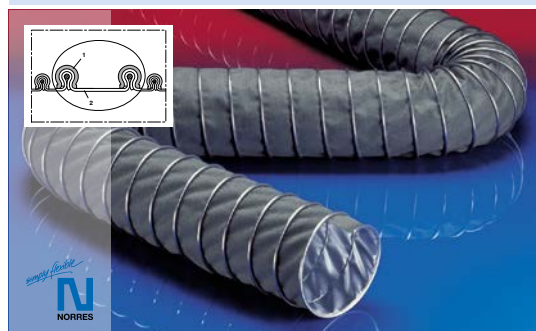
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: Silicone coated glass fabric

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,525	0,300	18	0,680	6	460-0050-0000
- / 55	67	0,500	0,280	20	0,740	6	460-0055-0000
2,36 / 60	72	0,480	0,250	20	0,800	6	460-0060-0000
2,5 / 63-65	77	0,460	0,230	22	0,860	6	460-0065-0000
- / 70	82	0,440	0,210	22	0,920	6	460-0070-0000
3 / 75-76	87	0,420	0,180	24	0,980	6	460-0075-0000
- / 80	92	0,405	0,160	24	1,040	6	460-0080-0000
3,5 / 89-90	102	0,375	0,110	26	1,160	6	460-0090-0000
4 / 100-102	112	0,250	0,100	28	0,950	6	460-0100-0000
- / 110	122	0,240	0,085	30	1,040	3 6	460-0110-0000
4,5 / 114-115	127	0,230	0,080	32	1,090	3 6	460-0115-0000
4,72 / 120	132	0,225	0,075	32	1,130	3 6	460-0120-0000
5 / 125-127	137	0,220	0,070	34	1,180	3 6	460-0125-0000
- / 130	142	0,215	0,060	34	1,220	3 6	460-0130-0000
5,5 / 140	152	0,205	0,050	36	1,310	3 6	460-0140-0000
6 / 150-152	162	0,140	0,040	38	0,950	3 6	460-0150-0000
6,3 / 160	172	0,135	0,035	40	1,010	3 6	460-0160-0000
6,5 / 165	177	0,130	0,035	41	1,040	3 6	460-0165-0000
- / 170	182	0,130	0,035	42	1,070	3 6	460-0170-0000
- / 175	187	0,125	0,030	44	1,100	3 6	460-0175-0000
7 / 178-180	192	0,125	0,030	44	1,130	3 6	460-0180-0000
8 / 200-203	212	0,115	0,025	48	1,250	3 6	460-0200-0000
- / 215	227	0,110	0,020	52	1,340	3 6	460-0215-0000
- / 225	237	0,110	0,020	54	1,400	3 6	460-0225-0000
9 / 228-229	240	0,110	0,020	54	1,460	3 6	460-0228-0000
- / 250	262	0,080	0,020	58	1,560	3 6	460-0250-0000
10 / 254	266	0,080	0,020	60	1,590	3 6	460-0254-0000
- / 275	287	0,075	0,015	64	1,710	3 6	460-0275-0000
11 / 280	292	0,075	0,015	65	1,740	3 6	460-0280-0000
- / 300	312	0,070	0,010	68	1,860	3 6	460-0300-0000
12 / 305	317	0,070	0,010	69	1,890	3 6	460-0305-0000
- / 315	327	0,070	0,010	71	1,950	3 6	460-0315-0000
- / 325	337	0,070	0,010	74	2,030	3 6	460-0325-0000
13 / 330	342	0,065	0,010	75	2,070	3 6	460-0330-0000
- / 350	362	0,055	0,010	78	2,160	3 6	460-0350-0000
14 / 356	368	0,055	0,010	80	2,190	3 6	460-0356-0000
- / 375	387	0,050	0,010	83	2,260	3 6	460-0375-0000
- / 400	412	0,050	0,010	88	2,470	3 6	460-0400-0000
16 / 405-406	418	0,050	0,010	90	2,510	3 6	460-0406-0000
- / 450	462	0,045	0,005	98	2,770	3 6	460-0450-0000
18 / 457	469	0,045	0,005	100	2,810	3 6	460-0457-0000
- / 500	512	0,040	0,005	108	3,070	3 6	460-0500-0000
20 / 508	520	0,030	0,005	110	3,120	3 6	460-0508-0000
- / 600	612	0,025	0,005	128	3,680	3	460-0600-0000
24 / 610	622	0,025	0,005	130	3,740	3	460-0610-0000
- / 700	712	0,020	0,002	148	4,290	3	460-0700-0000
28 / 712	724	0,020	0,002	151	4,360	3	460-0712-0000
- / 750	762	0,020	0,001	158	4,600	3	460-0750-0000
- / 800	812	0,020	0,001	168	4,900	3	460-0800-0000
32 / 813-815	827	0,020	0,001	171	4,990	3	460-0815-0000
- / 900	912	0,020	0,001	188	5,500	3	460-0900-0000
36 / 915	927	0,020	0,001	191	5,590	3	460-0915-0000
- / 1000	1012	0,015	0,001	208	6,110	3	460-1000-0000
40 / 1016	1028	0,015	0,001	213	6,200	3	460-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile; double-layer

Accessories: 212, 217, 213, 228, 270-271

CP ARAMID 461



Clamp profile hose (clip hose), vibration-resistant (up to +300°C)

Applications: flexible hose/ ducting for hot and cold gases and for dust, powder, fibres; vehicle gas exhaust system, car gas extraction; hose reel, slotted floor channel, underfloor extraction system; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; vibration resistant; very good heat resistance; good resistance to chemicals; flame-retardant according to: DIN 4102-B1; Aramid wall: Fire-class "M1" according to UNE 23.727-90; conforms to RoHS guideline

Temperature Range: -60°C to 260°C; short time to 300°C

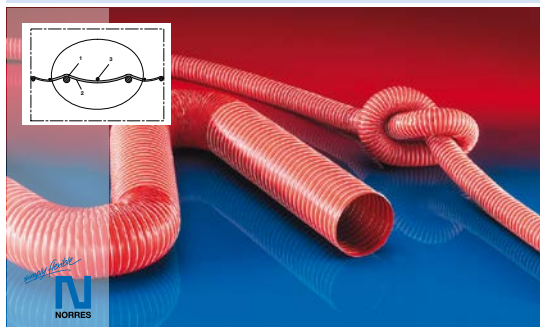
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: special-coated high-temperature fabric

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,5 / 38	50	0,600	0,450	21	0,470	6	461-0038-0000
- / 40	52	0,585	0,440	22	0,490	6	461-0040-0000
2 / 50-51	62	0,525	0,380	25	0,620	6	461-0050-0000
2,36 / 60	72	0,480	0,320	28	0,730	6	461-0060-0000
2,5 / 63-65	77	0,460	0,290	30	0,790	6	461-0065-0000
- / 70	82	0,440	0,260	31	0,840	6	461-0070-0000
3 / 75-76	87	0,420	0,230	33	0,900	6	461-0075-0000
- / 80	92	0,405	0,200	34	0,950	6	461-0080-0000
3,5 / 89-90	102	0,375	0,140	37	1,060	6	461-0090-0000
4 / 100-102	112	0,250	0,120	40	0,860	6	461-0100-0000
- / 110	122	0,240	0,105	43	0,940	3 6	461-0110-0000
4,5 / 114-115	127	0,230	0,095	45	0,990	3 6	461-0115-0000
4,72 / 120	132	0,225	0,090	46	1,030	3 6	461-0120-0000
5 / 125-127	137	0,220	0,085	48	1,070	3 6	461-0125-0000
- / 130	142	0,215	0,075	49	1,110	3 6	461-0130-0000
5,5 / 140	152	0,205	0,060	52	1,190	3 6	461-0140-0000
6 / 150-152	162	0,140	0,050	55	0,830	3 6	461-0150-0000
6,3 / 160	172	0,135	0,045	58	0,890	3 6	461-0160-0000
6,5 / 165	177	0,130	0,045	60	0,920	3 6	461-0165-0000
- / 170	182	0,130	0,040	61	0,940	3 6	461-0170-0000
- / 175	187	0,125	0,040	63	0,970	3 6	461-0175-0000
7 / 178-180	192	0,125	0,040	64	1,000	3 6	461-0180-0000
8 / 200-203	212	0,115	0,030	70	1,100	3 6	461-0200-0000
- / 215	227	0,110	0,030	75	1,180	3 6	461-0215-0000
- / 225	237	0,110	0,025	78	1,240	3 6	461-0225-0000
9 / 228-229	240	0,110	0,025	79	1,260	3 6	461-0228-0000
- / 250	262	0,080	0,025	85	1,370	3 6	461-0250-0000
10 / 254	266	0,080	0,020	86	1,400	3 6	461-0254-0000
- / 275	287	0,075	0,020	93	1,500	3 6	461-0275-0000
11 / 280	292	0,075	0,015	94	1,530	3 6	461-0280-0000
- / 300	312	0,070	0,015	100	1,640	3 6	461-0300-0000
12 / 305	317	0,070	0,015	102	1,670	3 6	461-0305-0000
- / 315	327	0,070	0,015	104	1,720	3 6	461-0315-0000
- / 325	337	0,070	0,015	107	1,770	3 6	461-0325-0000
13 / 330	342	0,065	0,015	108	1,800	3 6	461-0330-0000
- / 350	362	0,055	0,015	115	1,900	3 6	461-0350-0000
14 / 356	368	0,055	0,015	117	1,960	3 6	461-0356-0000
- / 375	387	0,050	0,010	123	2,130	3 6	461-0375-0000
- / 400	412	0,050	0,010	130	2,170	3 6	461-0400-0000
16 / 405-406	418	0,050	0,010	132	2,210	3 6	461-0406-0000
- / 450	462	0,045	0,010	145	2,440	3 6	461-0450-0000
18 / 457	469	0,045	0,010	147	2,480	3 6	461-0457-0000
- / 500	512	0,040	0,005	160	2,710	3 6	461-0500-0000
20 / 508	520	0,030	0,005	163	2,750	3 6	461-0508-0000
- / 600	612	0,025	0,005	190	3,240	3	461-0600-0000
24 / 610	622	0,025	0,005	193	3,300	3	461-0610-0000
- / 700	712	0,020	0,002	220	3,780	3	461-0700-0000
28 / 712	724	0,020	0,002	225	3,850	3	461-0712-0000
- / 750	762	0,020	0,002	235	4,050	3	461-0750-0000
- / 800	812	0,020	0,002	250	4,310	3	461-0800-0000
32 / 813-815	827	0,020	0,001	255	4,390	3	461-0815-0000
- / 900	912	0,020	0,001	280	4,870	3	461-0900-0000
36 / 915	927	0,020	0,001	285	4,950	3	461-0915-0000
- / 1000	1012	0,015	0,001	310	5,380	3	461-1000-0000
40 / 1016	1028	0,015	0,001	315	5,460	3	461-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

SIL 391 ONE

**Silicone hose, single-layer, leak-proof (up to +280°C)**

Applications: flexible hose/ ducting for hot and cold gases; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; clean room ventilation, semiconductor production machine

Properties: fibre reinforced; highly flexible; very good heat resistance; conforms to RoHS guideline

Temperature Range: -70°C to 260°C; short time to 280°C

Design, Material: Silicone hose; spring steel wire; fabric-reinforced tape; wall: Silicone coated glass fabric; cord as reinforcement

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3/4 / 19	21	1,800	0,580	12	0,080	4	391-0019-0000
- / 22	24	1,800	0,580	13	0,090	4	391-0022-0000
1 / 25	29	1,500	0,580	17	0,120	4	391-0025-0000
1,25 / 32	35	1,500	0,580	19	0,130	4	391-0032-0000
1,5 / 38	42	1,500	0,580	23	0,170	4	391-0038-0000
1,75 / 44-45	48	1,500	0,560	26	0,190	4	391-0044-0000
2 / 50-51	55	1,500	0,500	30	0,250	4	391-0051-0000
2,25 / 57	61	1,300	0,500	33	0,280	4	391-0057-0000
2,5 / 63-65	67	1,300	0,500	36	0,300	4	391-0063-0000
- / 70	74	1,200	0,500	39	0,400	4	391-0070-0000
3 / 75-76	80	1,100	0,390	42	0,410	4	391-0076-0000
- / 80	84	1,100	0,390	44	0,440	4	391-0080-0000
3,2 / 83	87	1,100	0,390	46	0,470	4	391-0083-0000
3,5 / 89-90	93	1,100	0,380	49	0,500	4	391-0089-0000
- / 95	99	1,100	0,380	52	0,540	4	391-0095-0000
4 / 100-102	106	1,100	0,300	55	0,570	4	391-0102-0000
- / 108	113	1,000	0,300	59	0,680	4	391-0108-0000
4,5 / 114	119	1,000	0,300	62	0,730	4	391-0114-0000
- / 121	126	0,900	0,290	66	0,760	4	391-0121-0000
5 / 125-127	132	0,900	0,210	69	0,810	4	391-0127-0000
5,5 / 140	145	0,900	0,200	75	0,890	4	391-0140-0000
6 / 150-152	157	0,800	0,180	81	1,050	4	391-0152-0000
7 / 178-180	183	0,600	0,140	94	1,210	4	391-0178-0000
8 / 200-203	208	0,600	0,100	107	1,380	4	391-0203-0000
10 / 254	259	0,400	0,100	132	1,650	4	391-0254-0000
12 / 305	310	0,100	0,070	158	2,000	4	391-0305-0000

Delivery variants: further diameters and lengths available on request

Accessories: 208, 211, 228, 270-271

SIL 391 TWO

**Silicone hose, double-layer, leak-proof (up to +280°C)**

Applications: flexible hose/ ducting for hot and cold gases; granulate/ plastic dryer, hot air dryer; film blowing machine, cooling air at the extrusion tool; air supply: UV dryer, IR dryer; clean room ventilation, semiconductor production machine

Properties: fibre reinforced; very good heat resistance; conforms to RoHS guideline

Temperature Range: -70°C to 260°C; short time to 280°C

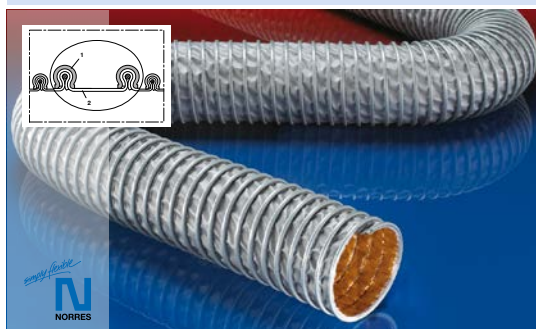
Design, Material: Silicone hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: Silicone coated glass fabric; cord as reinforcement

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3/4 / 19	22	3,000	0,730	13	0,110	4	391-0019-2005
- / 22	25	3,000	0,720	14	0,170	4	391-0022-2005
1 / 25	30	2,800	0,710	18	0,190	4	391-0025-2005
1,25 / 32	36	2,700	0,650	20	0,280	4	391-0032-2005
1,5 / 38	43	2,600	0,600	24	0,310	4	391-0038-2005
1,75 / 44-45	49	2,600	0,580	27	0,320	4	391-0044-2005
2 / 50-51	56	2,600	0,520	31	0,360	4	391-0051-2005
2,25 / 57	62	2,500	0,480	34	0,430	4	391-0057-2005
2,5 / 63-65	68	2,400	0,460	37	0,490	4	391-0063-2005
- / 70	75	2,100	0,440	40	0,540	4	391-0070-2005
3 / 75-76	81	2,100	0,430	43	0,580	4	391-0076-2005
- / 80	85	2,100	0,420	45	0,610	4	391-0080-2005
3,2 / 83	88	2,100	0,410	47	0,630	4	391-0083-2005
3,5 / 89-90	94	2,000	0,400	50	0,690	4	391-0089-2005
- / 95	100	1,900	0,370	53	0,730	4	391-0095-2005
4 / 100-102	107	1,900	0,350	56	0,770	4	391-0102-2005
- / 108	114	1,800	0,330	60	0,810	4	391-0108-2005
4,5 / 114	120	1,500	0,300	63	0,850	4	391-0114-2005
- / 121	127	1,500	0,240	67	0,890	4	391-0121-2005
5 / 125-127	133	1,400	0,230	70	0,930	4	391-0127-2005
5,5 / 140	146	1,300	0,200	76	1,000	4	391-0140-2005
6 / 150-152	158	1,200	0,170	82	1,200	4	391-0152-2005
7 / 178-180	184	1,000	0,120	95	1,430	4	391-0178-2005
8 / 200-203	209	0,700	0,090	108	1,650	4	391-0203-2005
10 / 254	260	0,500	0,070	133	2,090	4	391-0254-2005
12 / 305	311	0,500	0,070	159	2,610	4	391-0305-2005

Delivery variants: further diameters and lengths available on request

Accessories: 208, 211, 228, 270-271

CP Kapton® 476


High-temperature hose, clamp profile hose (clip hose), (up to +400°C)

Applications: flexible hose/ ducting for hot and cold gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement; chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 4:1; very good heat resistance; good resistance to alkalis and acids; extremely good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -60°C to 400°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; Wall: Kapton® laminated glass fabric

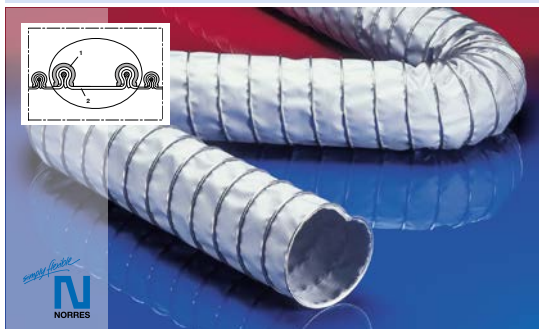
I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
2 / 50-51	62	0,520	0,370	18	0,680	6	476-0050-0000
- / 55	67	0,495	0,340	20	0,740	6	476-0055-0000
2,36 / 60	72	0,475	0,310	20	0,800	6	476-0060-0000
2,5 / 63-65	77	0,455	0,285	22	0,860	6	476-0065-0000
- / 70	82	0,435	0,255	22	0,920	6	476-0070-0000
3 / 75-76	87	0,415	0,225	24	0,980	6	476-0075-0000
- / 80	92	0,400	0,210	24	1,040	6	476-0080-0000
3,5 / 89-90	102	0,370	0,195	26	1,160	6	476-0090-0000
4 / 100-102	112	0,250	0,160	28	0,950	6	476-0100-0000
- / 110	122	0,235	0,130	30	1,040	3 6	476-0110-0000
4,5 / 114-115	127	0,230	0,120	32	1,090	3 6	476-0115-0000
4,72 / 120	132	0,225	0,113	32	1,130	3 6	476-0120-0000
5 / 125-127	137	0,215	0,105	34	1,180	3 6	476-0125-0000
- / 130	142	0,210	0,090	34	1,220	3 6	476-0130-0000
5,5 / 140	152	0,200	0,075	36	1,310	3 6	476-0140-0000
6 / 150-152	162	0,140	0,070	38	0,950	3 6	476-0150-0000
6,3 / 160	172	0,135	0,056	40	1,010	3 6	476-0160-0000
6,5 / 165	177	0,130	0,056	41	1,040	3 6	476-0165-0000
- / 170	182	0,130	0,056	42	1,070	3 6	476-0170-0000
- / 175	187	0,125	0,048	44	1,100	3 6	476-0175-0000
7 / 178-180	192	0,125	0,048	44	1,130	3 6	476-0180-0000
8 / 200-203	212	0,115	0,040	48	1,250	3 6	476-0200-0000
- / 215	227	0,110	0,032	52	1,340	3 6	476-0215-0000
- / 225	237	0,105	0,032	54	1,400	3 6	476-0225-0000
9 / 228-229	240	0,105	0,030	54	1,460	3 6	476-0228-0000
- / 250	262	0,080	0,027	58	1,560	3 6	476-0250-0000
10 / 254	266	0,080	0,025	60	1,590	3 6	476-0254-0000
- / 275	287	0,075	0,020	64	1,710	3 6	476-0275-0000
11 / 280	292	0,075	0,020	65	1,740	3 6	476-0280-0000
- / 300	312	0,070	0,016	68	1,860	3 6	476-0300-0000
12 / 305	317	0,070	0,016	69	1,890	3 6	476-0305-0000
- / 315	327	0,070	0,016	71	1,950	3 6	476-0315-0000
- / 325	337	0,065	0,015	74	2,030	3 6	476-0325-0000
13 / 330	342	0,065	0,015	75	2,070	3 6	476-0330-0000
- / 350	362	0,055	0,015	78	2,160	3 6	476-0350-0000
14 / 356	368	0,050	0,015	80	2,190	3 6	476-0356-0000
- / 375	387	0,050	0,012	83	2,260	3 6	476-0375-0000
- / 400	412	0,050	0,012	88	2,470	3 6	476-0400-0000
16 / 405-406	418	0,050	0,012	90	2,510	3 6	476-0406-0000
- / 450	462	0,045	0,005	98	2,770	3 6	476-0450-0000
18 / 457	469	0,045	0,005	100	2,810	3 6	476-0457-0000
- / 500	512	0,040	0,005	110	3,070	3 6	476-0500-0000
20 / 508	520	0,030	0,005	110	3,120	3 6	476-0508-0000
- / 600	612	0,025	0,005	130	3,680	3	476-0600-0000
24 / 610	622	0,025	0,005	130	3,740	3	476-0610-0000
- / 700	712	0,020	0,002	151	4,290	3	476-0700-0000
28 / 712	724	0,020	0,002	151	4,360	3	476-0712-0000
- / 750	762	0,020	0,001	158	4,600	3	476-0750-0000
- / 800	812	0,020	0,001	168	4,900	3	476-0800-0000
32 / 813-815	827	0,020	0,001	171	4,990	3	476-0815-0000
- / 900	912	0,020	0,001	188	5,500	3	476-0900-0000
36 / 915	927	0,015	0,001	191	5,590	3	476-0915-0000
- / 1000	1012	0,015	0,001	208	6,110	3	476-1000-0000
40 / 1016	1028	0,015	0,001	213	6,200	3	476-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

Kapton® is a registered trademark of DuPont.

CP HiTex 480



High-temperature hose, clamp profile hose (clip hose), (up to +450°C)

Applications: flexible hose/ ducting for hot and cold gases; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; infrared heating systems, gas-fired radiant tube heater: hot air tube

Properties: very good resistance to flying sparks and welding sparks; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible 3:1; very good heat resistance; flame-retardant according to: DIN 4102-B1; conforms to RoHS guideline

Temperature Range: -60°C to 400°C; short time to 450°C

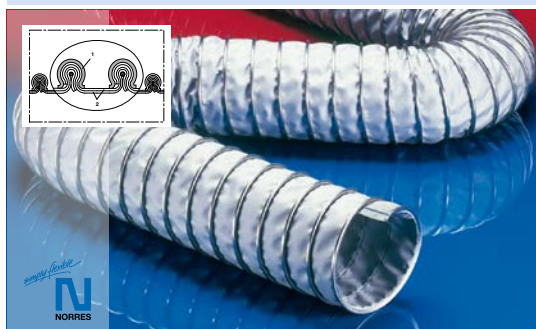
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: stainless steel wire reinforced and special coated glass fabric

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
1,5 / 38	50	0,450	21	0,550	6	480-0038-0000
- / 40	52	0,440	22	0,580	6	480-0040-0000
2 / 50-51	62	0,380	25	0,740	6	480-0050-0000
- / 55	67	0,350	27	0,800	6	480-0055-0000
2,36 / 60	72	0,320	28	0,870	6	480-0060-0000
2,5 / 63-65	77	0,290	30	0,940	6	480-0065-0000
- / 70	82	0,260	31	1,000	6	480-0070-0000
3 / 75-76	87	0,230	33	1,070	6	480-0075-0000
- / 80	92	0,200	34	1,130	6	480-0080-0000
3,5 / 89-90	102	0,140	37	1,260	6	480-0090-0000
4 / 100-102	112	0,120	51	1,000	6	480-0100-0000
- / 110	122	0,105	55	1,090	3 6	480-0110-0000
4,5 / 114-115	127	0,098	57	1,140	3 6	480-0115-0000
4,72 / 120	132	0,090	59	1,190	3 6	480-0120-0000
5 / 125-127	137	0,085	61	1,230	3 6	480-0125-0000
- / 130	142	0,075	63	1,280	3 6	480-0130-0000
5,5 / 140	152	0,060	67	1,380	3 6	480-0140-0000
6 / 150-152	162	0,050	38	1,000	3 6	480-0150-0000
6,3 / 160	172	0,045	40	1,070	3 6	480-0160-0000
6,5 / 165	177	0,045	41	1,100	3 6	480-0165-0000
- / 170	182	0,040	42	1,130	3 6	480-0170-0000
- / 175	187	0,040	44	1,160	3 6	480-0175-0000
7 / 178-180	192	0,040	44	1,200	3 6	480-0180-0000
8 / 200-203	212	0,030	48	1,320	3 6	480-0200-0000
- / 215	227	0,030	52	1,420	3 6	480-0215-0000
- / 225	237	0,025	54	1,480	3 6	480-0225-0000
9 / 228-229	240	0,025	54	1,540	3 6	480-0228-0000
- / 250	262	0,025	58	1,650	3 6	480-0250-0000
10 / 254	266	0,020	60	1,680	3 6	480-0254-0000
- / 275	287	0,020	64	1,810	3 6	480-0275-0000
11 / 280	292	0,015	65	1,850	3 6	480-0280-0000
- / 300	312	0,015	68	1,970	3 6	480-0300-0000
12 / 305	317	0,015	69	2,000	3 6	480-0305-0000
- / 315	327	0,015	71	2,060	3 6	480-0315-0000
- / 325	337	0,015	74	2,130	3 6	480-0325-0000
13 / 330	342	0,015	75	2,160	3 6	480-0330-0000
- / 350	362	0,015	78	2,290	3 6	480-0350-0000
14 / 356	368	0,015	80	2,320	3 6	480-0356-0000
- / 375	387	0,010	83	2,430	3 6	480-0375-0000
- / 400	412	0,010	88	2,610	3 6	480-0400-0000
16 / 405-406	418	0,010	90	2,650	3 6	480-0406-0000
- / 450	462	0,010	98	2,930	3 6	480-0450-0000
18 / 457	469	0,010	100	2,980	3 6	480-0457-0000
- / 500	512	0,005	108	3,250	3 6	480-0500-0000
20 / 508	520	0,005	110	3,300	3 6	480-0508-0000
- / 600	612	0,005	128	3,890	3	480-0600-0000
24 / 610	622	0,005	130	3,960	3	480-0610-0000
- / 700	712	0,002	148	4,540	3	480-0700-0000
28 / 712	724	0,002	151	4,620	3	480-0712-0000
- / 750	762	0,002	158	4,860	3	480-0750-0000
- / 800	812	0,002	168	5,180	3	480-0800-0000
32 / 813-815	827	0,002	171	5,280	3	480-0815-0000
- / 900	912	0,001	188	5,820	3	480-0900-0000
36 / 915	927	0,001	191	5,920	3	480-0915-0000
- / 1000	1012	0,001	208	6,460	3	480-1000-0000
40 / 1016	1028	0,001	213	6,560	3	480-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

CP HiTex 487


High-temperature hose, clamp profile hose (clip hose), (up to +500°C)

Applications: flexible hose/ ducting for hot and cold gases; engine test bench, exhaust gas measurement; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; very good heat resistance; conforms to RoHS guideline

Temperature Range: -60°C to 450°C; short time to 500°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; double-layer wall; wall: interior and exterior special-coated high-temperature fabric

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
3 / 75-76	87	0,230	33	1,340	6	487-0075-0000
- / 80	92	0,200	34	1,420	6	487-0080-0000
3,5 / 89-90	102	0,140	37	1,580	6	487-0090-0000
4 / 100-102	112	0,120	51	1,290	6	487-0100-0000
- / 110	122	0,105	55	1,420	3 6	487-0110-0000
4,5 / 114-115	127	0,097	58	1,480	3 6	487-0115-0000
4,72 / 120	132	0,090	59	1,540	3 6	487-0120-0000
5 / 125-127	137	0,085	61	1,600	3 6	487-0125-0000
- / 130	142	0,075	63	1,660	3 6	487-0130-0000
5,5 / 140	152	0,060	67	1,780	3 6	487-0140-0000
6 / 150-152	162	0,050	38	1,340	3 6	487-0150-0000
6,3 / 160	172	0,045	40	1,460	3 6	487-0160-0000
6,5 / 165	177	0,045	41	1,500	3 6	487-0165-0000
- / 170	182	0,040	42	1,550	3 6	487-0170-0000
- / 175	187	0,040	44	1,590	3 6	487-0175-0000
7 / 178-180	192	0,040	44	1,630	3 6	487-0180-0000
8 / 200-203	212	0,030	48	1,810	3 6	487-0200-0000
- / 215	227	0,030	52	1,940	3 6	487-0215-0000
- / 225	237	0,025	54	2,030	3 6	487-0225-0000
9 / 228-229	240	0,025	54	2,110	3 6	487-0228-0000
- / 250	262	0,025	58	2,250	3 6	487-0250-0000
10 / 254	266	0,020	60	2,240	3 6	487-0254-0000
- / 275	287	0,020	64	2,470	3 6	487-0275-0000
11 / 280	292	0,015	65	2,510	3 6	487-0280-0000
- / 300	312	0,015	68	2,690	3 6	487-0300-0000
12 / 305	317	0,015	69	2,740	3 6	487-0305-0000
- / 315	327	0,015	71	2,820	3 6	487-0315-0000
- / 325	337	0,015	73	2,910	3 6	487-0325-0000
13 / 330	342	0,015	75	2,960	3 6	487-0330-0000
- / 350	362	0,015	78	3,130	3 6	487-0350-0000
14 / 356	368	0,015	80	3,180	3 6	487-0356-0000
- / 375	387	0,010	84	3,350	3 6	487-0375-0000
- / 400	412	0,010	88	3,560	3 6	487-0400-0000
16 / 405-406	418	0,010	90	3,610	3 6	487-0406-0000
- / 450	462	0,010	98	4,000	3 6	487-0450-0000
18 / 457	469	0,010	100	4,060	3 6	487-0457-0000
- / 500	512	0,005	108	4,440	3 6	487-0500-0000
20 / 508	520	0,005	110	4,510	3 6	487-0508-0000
- / 600	612	0,005	128	5,320	3	487-0600-0000
24 / 610	622	0,005	130	5,410	3	487-0610-0000
- / 700	712	0,002	148	6,200	3	487-0700-0000
28 / 712	724	0,002	151	6,310	3	487-0712-0000
- / 750	762	0,002	158	6,640	3	487-0750-0000
- / 800	812	0,002	168	7,070	3	487-0800-0000
32 / 813-815	827	0,001	172	7,200	3	487-0815-0000
- / 900	912	0,001	188	7,950	3	487-0900-0000
36 / 915	927	0,001	191	8,080	3	487-0915-0000
- / 1000	1012	0,001	208	8,830	3	487-1000-0000
40 / 1016	1028	0,001	213	8,970	3	487-1016-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

CP HiTex 485



High-temperature hose, clamp profile hose (clip hose), multi-layer, insulating, suitable for slight overpressure (up to +550°C)

Applications: flexible hose/ ducting for hot and cold gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: secure clamping of the wall within the clamp profile; highly flexible + compressible; insulating; suitable for light overpressure; very good heat resistance; conforms to RoHS guideline

Temperature Range: -60°C to 500°C; short time to 550°C

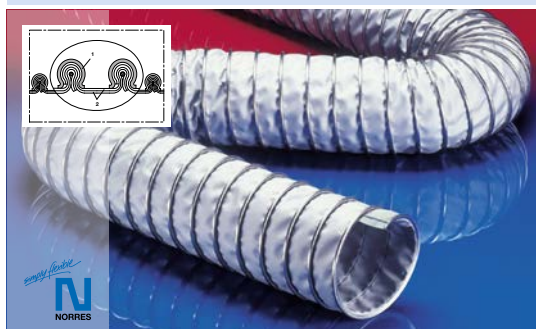
Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; multi-layer hose wall; wall: interior and exterior special coated glass fabric

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
4 / 100-102	115	0,150	53	1,640	6	485-0100-0000
- / 110	125	0,130	57	1,790	3 6	485-0110-0000
4,5 / 114-115	130	0,120	60	1,860	3 6	485-0115-0000
4,72 / 120	135	0,110	61	1,940	3 6	485-0120-0000
5 / 125-127	140	0,100	63	2,020	3 6	485-0125-0000
- / 130	145	0,095	65	2,090	3 6	485-0130-0000
5,5 / 140	155	0,075	69	2,240	3 6	485-0140-0000
6 / 150-152	165	0,060	73	1,860	3 6	485-0150-0000
6,3 / 160	175	0,055	77	1,980	3 6	485-0160-0000
6,5 / 165	180	0,050	79	2,040	3 6	485-0165-0000
- / 170	185	0,050	81	2,100	3 6	485-0170-0000
- / 175	190	0,050	83	2,160	3 6	485-0175-0000
7 / 178-180	195	0,050	85	2,220	3 6	485-0180-0000
8 / 200-203	215	0,040	93	2,460	3 6	485-0200-0000
- / 215	230	0,035	99	2,670	3 6	485-0215-0000
- / 225	240	0,030	103	2,750	3 6	485-0225-0000
9 / 228-229	243	0,030	106	2,900	3 6	485-0228-0000
- / 250	265	0,030	113	3,050	3 6	485-0250-0000
10 / 254	269	0,025	115	3,110	3 6	485-0254-0000
- / 275	290	0,025	123	3,400	3 6	485-0275-0000
11 / 280	295	0,020	125	3,450	3 6	485-0280-0000
- / 300	315	0,020	133	3,640	3 6	485-0300-0000
12 / 305	320	0,020	135	3,710	3 6	485-0305-0000
- / 315	330	0,020	139	3,850	3 6	485-0315-0000
- / 325	340	0,015	143	3,940	3 6	485-0325-0000
13 / 330	345	0,015	145	4,000	3 6	485-0330-0000
- / 350	365	0,015	153	4,230	3 6	485-0350-0000
14 / 356	371	0,015	156	4,300	3 6	485-0356-0000
- / 375	390	0,015	163	4,530	3 6	485-0375-0000
- / 400	415	0,015	173	4,820	3 6	485-0400-0000
16 / 405-406	421	0,010	176	4,890	3 6	485-0406-0000
- / 450	465	0,010	193	5,410	3 6	485-0450-0000
18 / 457	472	0,010	196	5,490	3 6	485-0457-0000
- / 500	515	0,005	213	6,000	3 6	485-0500-0000
20 / 508	523	0,005	217	6,100	3 6	485-0508-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

CP HiTex 481



High-temperature hose, clamp profile hose (clip hose), double-layer (up to +700°C)

Applications: flexible hose/ ducting for hot and cold gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: very good resistance to flying sparks and welding sparks; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; very good heat resistance; flame-retardant according to: DIN 4102-B1; conforms to RoHS guideline

Temperature Range: -60°C to 600°C; short time to 700°C

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
3 / 75-76	89	0,290	43	1,850	6	481-0075-0000
- / 80	94	0,250	45	1,930	6	481-0080-0000
3,5 / 89-90	104	0,180	49	2,190	6	481-0090-0000
4 / 100-102	114	0,150	53	2,100	6	481-0100-0000
- / 110	124	0,130	57	2,300	3 6	481-0110-0000
4,5 / 114-115	129	0,120	59	2,400	3 6	481-0115-0000
4,72 / 120	134	0,110	61	2,500	3 6	481-0120-0000
5 / 125-127	139	0,100	63	2,600	3 6	481-0125-0000
- / 130	144	0,095	65	2,690	3 6	481-0130-0000
5,5 / 140	154	0,075	69	2,890	3 6	481-0140-0000
6 / 150-152	164	0,060	73	2,110	3 6	481-0150-0000
6,3 / 160	174	0,055	77	2,250	3 6	481-0160-0000
6,5 / 165	179	0,050	79	2,320	3 6	481-0165-0000
- / 170	184	0,050	81	2,380	3 6	481-0170-0000
- / 175	189	0,050	83	2,450	3 6	481-0175-0000
7 / 178-180	194	0,050	85	2,520	3 6	481-0180-0000
8 / 200-203	214	0,040	93	2,790	3 6	481-0200-0000
- / 215	229	0,035	99	2,990	3 6	481-0215-0000
- / 225	239	0,030	103	3,130	3 6	481-0225-0000
9 / 228-229	242	0,030	106	3,250	3 6	481-0228-0000
- / 250	264	0,030	113	3,470	3 6	481-0250-0000
10 / 254	268	0,025	115	3,530	3 6	481-0254-0000
- / 275	289	0,025	123	3,810	3 6	481-0275-0000
11 / 280	294	0,020	125	3,880	3 6	481-0280-0000
- / 300	314	0,020	133	4,140	3 6	481-0300-0000
12 / 305	319	0,020	135	4,210	3 6	481-0305-0000
- / 315	329	0,020	139	4,350	3 6	481-0315-0000
- / 325	339	0,015	143	4,480	3 6	481-0325-0000
13 / 330	344	0,015	145	4,550	3 6	481-0330-0000
- / 350	364	0,015	153	4,820	3 6	481-0350-0000
14 / 356	370	0,015	156	4,890	3 6	481-0356-0000
- / 375	389	0,015	163	5,100	3 6	481-0375-0000
- / 400	414	0,015	173	5,500	3 6	481-0400-0000
16 / 405-406	420	0,010	176	5,580	3 6	481-0406-0000
- / 450	464	0,010	193	6,170	3 6	481-0450-0000
18 / 457	471	0,010	196	6,270	3 6	481-0457-0000
- / 500	514	0,005	213	6,850	3 6	481-0500-0000
20 / 508	522	0,005	217	6,960	3 6	481-0508-0000
- / 600	614	0,005	253	8,210	3	481-0600-0000
24 / 610	624	0,005	257	8,350	3	481-0610-0000
- / 700	714	0,005	293	9,560	3	481-0700-0000
28 / 712	726	0,005	298	9,730	3	481-0712-0000
- / 750	764	0,003	313	10,240	3	481-0750-0000
- / 800	814	0,002	333	10,910	3	481-0800-0000
32 / 813-815	829	0,001	339	11,120	3	481-0815-0000
- / 900	914	0,001	373	12,270	3	481-0900-0000
36 / 915	929	0,001	379	12,470	3	481-0915-0000
- / 1000	1014	0,001	413	13,620	3	481-1000-0000
40 / 1016	1030	0,001	420	13,840	3	481-1016-0000

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); double-layer wall; wall: interior and exterior stainless steel wire reinforced and special coated glass fabric

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

CP HiTex 486



High-temperature hose, clamp profile hose (clip hose), multi-layer, insulating, suitable for slight overpressure (up to +700°C)

Applications: flexible hose/ ducting for hot and cold gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: very good resistance to flying sparks and welding sparks; secure clamping of the wall within the clamp profile; insulating; suitable for light overpressure; very good heat resistance; conforms to RoHS guideline

Temperature Range: -60°C to 650°C; short time to 700°C

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; multi-layer hose wall; wall: interior and exterior special coated glass fabric, thermo-insulation fabric; special thermal insulation layer

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
4 / 100-102	118	0,130	0,180	64	1,850	6	486-0100-0000
- / 110	128	0,125	0,160	69	2,070	3 6	486-0110-0000
4,5 / 114-115	133	0,120	0,150	72	2,150	3 6	486-0115-0000
4,72 / 120	138	0,115	0,140	74	2,250	3 6	486-0120-0000
5 / 125-127	143	0,115	0,120	77	2,350	3 6	486-0125-0000
- / 130	148	0,110	0,110	79	2,390	3 6	486-0130-0000
5,5 / 140	158	0,105	0,090	84	2,570	3 6	486-0140-0000
6 / 150-152	168	0,070	0,075	89	2,450	3 6	486-0150-0000
6,3 / 160	178	0,065	0,070	94	2,610	3 6	486-0160-0000
6,5 / 165	183	0,065	0,070	97	2,690	3 6	486-0165-0000
- / 170	188	0,065	0,065	99	2,760	3 6	486-0170-0000
- / 175	193	0,065	0,060	102	2,840	3 6	486-0175-0000
7 / 178-180	198	0,065	0,055	104	2,920	3 6	486-0180-0000
8 / 200-203	218	0,060	0,045	114	3,230	3 6	486-0200-0000
- / 215	233	0,055	0,040	122	3,460	3 6	486-0215-0000
- / 225	243	0,055	0,040	127	3,620	3 6	486-0225-0000
9 / 228-229	246	0,055	0,035	129	3,680	3 6	486-0228-0000
- / 250	268	0,040	0,035	139	4,000	3 6	486-0250-0000
10 / 254	272	0,040	0,030	141	4,060	3 6	486-0254-0000
- / 275	293	0,040	0,030	152	4,400	3 6	486-0275-0000
11 / 280	298	0,040	0,025	154	4,480	3 6	486-0280-0000
- / 300	318	0,035	0,025	164	4,780	3 6	486-0300-0000
12 / 305	323	0,035	0,020	167	4,860	3 6	486-0305-0000
- / 315	333	0,035	0,020	172	5,020	3 6	486-0315-0000
- / 325	343	0,035	0,020	177	5,180	3 6	486-0325-0000
13 / 330	348	0,035	0,020	179	5,260	3 6	486-0330-0000
- / 350	368	0,025	0,015	189	5,570	3 6	486-0350-0000
14 / 356	374	0,025	0,015	192	5,660	3 6	486-0356-0000
- / 375	393	0,025	0,015	202	5,960	3 6	486-0375-0000
- / 400	418	0,025	0,015	214	6,340	3 6	486-0400-0000
16 / 405-406	424	0,025	0,010	217	6,440	3 6	486-0406-0000
- / 450	468	0,020	0,010	239	7,120	3 6	486-0450-0000
18 / 457	475	0,020	0,010	243	7,230	3 6	486-0457-0000
- / 500	518	0,020	0,010	264	7,900	3 6	486-0500-0000
20 / 508	526	0,015	0,010	268	8,030	3 6	486-0508-0000

Delivery variants: further diameters and lengths available on request; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

CP HiTex 483



High-temperature hose, clamp profile hose (clip hose), multi-layer, insulating (up to 1.100°C)

Applications: flexible hose/ ducting for hot and cold gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement; high temperature extraction: oven, foundry, furnace, smelting, ceramics industry, glass industry, steel plant, aluminium mill; bellows, compensators

Properties: very good resistance to flying sparks and welding sparks; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; insulating; extremely heat resistant; conforms to RoHS guideline

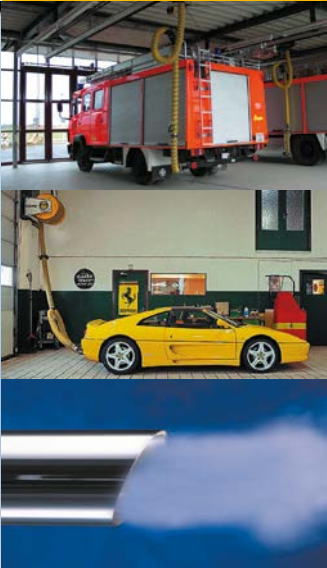
Temperature Range: -60°C to 900°C; short time to 1.100°C

Design, Material: CP construction; clamp profile supporting spiral: all-stainless steel (INOX); multi-layer hose wall; wall: interior stainless steel wire reinforced and special coated glass fabric, thermo-insulation fabric, exterior special coated glass fabric; special thermal insulation layer

I.D.	O.D.	Over- pressure	Under- pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
4 / 100-102	114	0,130	0,180	64	2,800	6	483-0100-0000
- / 110	124	0,125	0,160	69	3,050	3 6	483-0110-0000
4,5 / 114-115	129	0,120	0,150	72	3,180	3 6	483-0115-0000
4,72 / 120	134	0,115	0,140	74	3,310	3 6	483-0120-0000
5 / 125-127	139	0,115	0,120	77	3,430	3 6	483-0125-0000
- / 130	144	0,110	0,110	79	3,560	3 6	483-0130-0000
5,5 / 140	154	0,105	0,090	84	3,820	3 6	483-0140-0000
6 / 150-152	164	0,070	0,075	89	3,070	3 6	483-0150-0000
6,3 / 160	174	0,065	0,070	94	3,270	3 6	483-0160-0000
6,5 / 165	179	0,065	0,065	97	3,370	3 6	483-0165-0000
- / 170	184	0,065	0,065	99	3,460	3 6	483-0170-0000
- / 175	189	0,065	0,060	102	3,550	3 6	483-0175-0000
7 / 178-180	194	0,065	0,055	104	3,650	3 6	483-0180-0000
8 / 200-203	214	0,060	0,045	114	4,030	3 6	483-0200-0000
- / 215	229	0,055	0,040	122	4,320	3 6	483-0215-0000
- / 225	239	0,055	0,040	127	4,510	3 6	483-0225-0000
9 / 228-229	242	0,055	0,035	129	4,590	3 6	483-0228-0000
- / 250	264	0,040	0,035	139	4,990	3 6	483-0250-0000
10 / 254	268	0,040	0,030	141	5,070	3 6	483-0254-0000
- / 275	289	0,040	0,030	152	5,470	3 6	483-0275-0000
11 / 280	294	0,040	0,025	154	5,570	3 6	483-0280-0000
- / 300	314	0,035	0,025	164	5,950	3 6	483-0300-0000
12 / 305	319	0,035	0,025	167	6,020	3 6	483-0305-0000
- / 315	329	0,035	0,025	172	6,150	3 6	483-0315-0000
- / 325	339	0,035	0,015	177	6,550	3 6	483-0325-0000
13 / 330	344	0,035	0,015	179	6,630	3 6	483-0330-0000
- / 350	364	0,025	0,015	189	6,910	3 6	483-0350-0000
14 / 356	370	0,025	0,015	192	7,000	3 6	483-0356-0000
- / 375	389	0,025	0,015	202	7,250	3 6	483-0375-0000
- / 400	414	0,025	0,010	214	7,870	3 6	483-0400-0000
16 / 405-406	420	0,025	0,010	217	7,990	3 6	483-0406-0000
- / 450	464	0,020	0,010	239	8,830	3 6	483-0450-0000
18 / 457	471	0,020	0,010	243	8,960	3 6	483-0457-0000
- / 500	514	0,020	0,010	264	9,790	3 6	483-0500-0000
20 / 508	522	0,015	0,010	270	9,940	3 6	483-0508-0000

Delivery variants: further diameters and lengths available on request

Accessories: 212, 217, 213, 228, 270-271

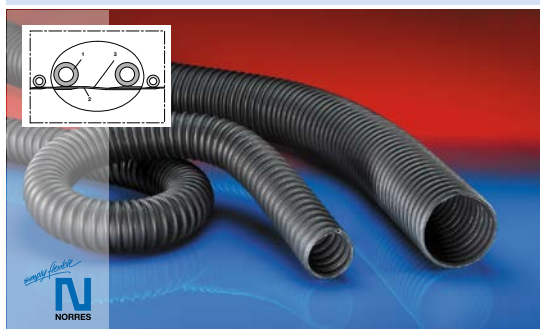


Exhaust gas hoses

Content

PROTAPE® TPE 326 MEMORY Crush resistant exhaust gas hose	to 200°C... 109
PROTAPE® TPE 325 WEAR STRIP Exhaust gas hose.....	to 220°C... 109
CP HYP 450 PROTECT Exhaust gas hose, vibration resistant, outer protection profile.....	to 200°C... 110
CP ARAMID 461 PROTECT Exhaust gas hose, vibration resistant, outer protection profile.....	to 300°C... 110

PROTAPE® TPE 326 MEMORY



I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
2 / 50-51	68	0,400	57	0,380	10 15	326-0051-0000
2,5 / 63-65	80	0,280	70	0,480	10 15	326-0063-0000
3 / 75-76	93	0,170	73	0,540	5 6 7,5 10 12,5 15	326-0076-0000
4 / 100-102	119	0,050	71	0,710	5 6 7,5 10 12,5 15	326-0102-0000
5 / 125-127	144	0,035	89	0,870	5 6 7,5 10 12,5 15	326-0127-0000
6 / 150-152	169	0,030	106	1,040	5 6 7,5 10 12,5 15	326-0152-0000
8 / 200-203	220	0,010	143	1,370	5 6 7,5 10	326-0203-0000

Temperature Range: exhaust gas temperatures to 200°C *; * when correctly applied with exhaust gas funnels and sufficient fresh air supply (50% approx.).

Crush resistant exhaust gas hose

Applications: flexible hose/ ducting for hot gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement

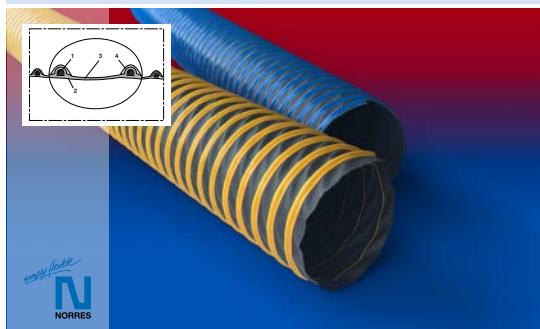
Properties: fabric reinforced; highly flexible + compressible; protected, flow-optimizing exterior folds; vibration resistant; crush resistant; good resistance to chemicals; conforms to RoHS guideline

Design, Material: patented PROTAPE® tape hose; special plastic-profile supporting spiral; fabric-reinforced tape; wall: EPDM/ PP coated fabric; wall thickness 0,4 mm approx.

Delivery variants: further diameters and lengths available on request; black (standard); special colours: coloured spiral; customer-specific branding

Accessories: 212, 217, 213, 228, 270-271

PROTAPE® TPE 325 WEAR STRIP



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
partially coloured black; For exhaust gas with a total sulphur <15ppm							
3 / 75-76	83,6	2,50	0,035	55	0,480	5 10 15	325-0076-0001
4 / 100-102	110	1,20	0,025	45	0,660	5 10 15	325-0102-0001
5 / 125-127	134,5	1,10	0,015	65	0,900	5 10 15	325-0127-0001
6 / 150-152	160	1,00	0,005	85	1,150	5 10 15	325-0152-0001
8 / 200-203	210,3	0,50	0,001	125	1,520	5 10 15	325-0203-0001

Temperature Range: exhaust gas temperatures to 220°C *; * when correctly applied with exhaust gas funnels and sufficient fresh air supply (50% approx.).

Design, Material: patented PROTAPE® tape hose; spring steel wire integrated in wall; fabric-reinforced tape; wall thickness 0,4 mm approx.; abrasion resistant protection profile (wear strip)

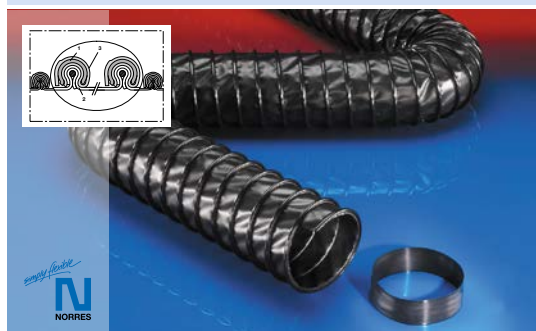
Delivery variants: black (standard); special colours: partially coloured (blue, green, red, yellow)

Exhaust gas hose

Applications: flexible hose/ ducting for hot gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement

Properties: fabric reinforced; external abrasion protection via external helix (saves floor space, prolong service life, easy to use); highly flexible + compressible; abrasion-resistant; vibration resistant; good resistance to oil, gasoline and chemicals; flame-retardant wall according to: NF P 92-503 M1; conforms to RoHS guideline

CP HYP 450 PROTECT



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3 / 75-76	89	0,500	0,230	48	1,000	2,5 5 6 7,5	450-0075-7500
- / 80	94	0,485	0,200	49	1,060	2,5 5 6 7,5	450-0080-7500
4 / 100-102	114	0,300	0,120	58	1,030	2,5 5 6 7,5 10 12,5 15	450-0100-7500
5 / 125-127	139	0,260	0,085	70	1,270	2,5 5 6 7,5 10 12,5 15	450-0125-7500
6 / 150-152	164	0,165	0,050	81	1,270	2,5 5 6 7,5 10 12,5 15	450-0150-7500
8 / 200-203	214	0,140	0,030	103	1,560	2,5 5 6 7,5 10 12,5 15	450-0200-7500
- / 225	239	0,130	0,025	113	1,790	2,5 5 6 7,5 10 12,5 15	450-0225-7500
9 / 228-229	243	0,130	0,020	117	1,844	2,5 5 6 7,5 10 12,5 15	450-0228-7500
- / 250	264	0,100	0,020	125	1,940	2,5 5 6 7,5 10 12,5 15	450-0250-7500
10 / 254	268	0,095	0,020	130	1,995	2,5 5 6 7,5 10 12,5 15	450-0254-7500

Exhaust gas hose, vibration resistant, outer protection profile

Applications: flexible hose/ ducting for hot gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement

Properties: outer protection profile made of elasticised material; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; vibration resistant; very good heat resistance; good resistance to chemicals; 1 clamp-cover band and 2 end-caps included; conforms to RoHS guideline

Temperature Range: exhaust gas temperatures to 200°C *; * when correctly applied with exhaust gas funnels and sufficient fresh air supply (50% approx.).

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: CSM coated polyester fabric; firmly clamped, shock-absorbing, anti-abrasion profile made from elasticised, high-temperature plastic

Delivery variants: further diameters and lengths available on request; special colours: coloured spiral; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

CP ARAMID 461 PROTECT



I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
3 / 75-76	89	0,420	0,230	48	0,870	2,5 5 6 7,5	461-0075-7500
- / 80	94	0,405	0,200	49	0,920	2,5 5 6 7,5	461-0080-7500
4 / 100-102	114	0,250	0,120	58	0,880	2,5 5 6 7,5 10 12,5 15	461-0100-7500
5 / 125-127	139	0,220	0,085	70	1,090	2,5 5 6 7,5 10 12,5 15	461-0125-7500
6 / 150-152	164	0,140	0,050	81	1,050	2,5 5 6 7,5 10 12,5 15	461-0150-7500
8 / 200-203	214	0,115	0,030	103	1,290	2,5 5 6 7,5 10 12,5 15	461-0200-7500
- / 225	239	0,110	0,025	113	1,490	2,5 5 6 7,5 10 12,5 15	461-0225-7500
9 / 228-229	243	0,110	0,025	117	1,550	2,5 5 6 7,5 10 12,5 15	461-0228-7500
- / 250	264	0,080	0,025	125	1,640	2,5 5 6 7,5 10 12,5 15	461-0250-7500
10 / 254	268	0,080	0,020	130	1,700	2,5 5 6 7,5 10 12,5 15	461-0254-7500

Exhaust gas hose, vibration resistant, outer protection profile

Applications: flexible hose/ ducting for hot gases; vehicle gas exhaust system, car gas extraction: hose reel, slotted floor channel, underfloor extraction system; engine test bench, exhaust gas measurement

Properties: outer protection profile made of elasticised material; abrasion protection via external clamp profile; secure clamping of the wall within the clamp profile; highly flexible + compressible; vibration resistant; very good heat resistance; good resistance to chemicals; flame-retardant; Aramid wall: Fire-class "M1" according to UNE 23.727-90; 1 clamp-cover band and 2 end-caps included; conforms to RoHS guideline

Temperature Range: exhaust gas temperatures to 300°C *; * when correctly applied with exhaust gas funnels and sufficient fresh air supply (50% approx.).

Design, Material: CP construction; clamp profile supporting spiral: galvanised steel; wall: special-coated high-temperature fabric; firmly clamped, shock-absorbing, anti-abrasion profile made from elasticised, high-temperature plastic

Delivery variants: further diameters and lengths available on request; special colours: coloured spiral; stainless steel (INOX) clamp profile

Accessories: 212, 217, 213, 228, 270-271

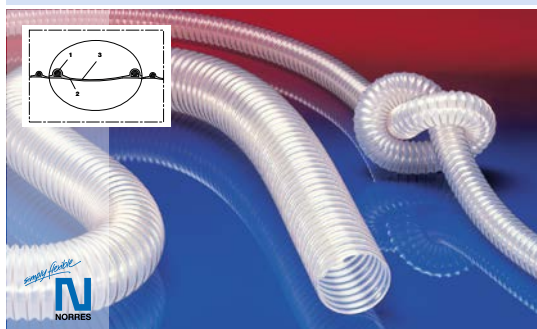


Flame resistant hoses for the automotive industry

Content

PROTAPE® PUR 332 SE Suction hose and pressure hose according to UL94-V2, DIN 4102-B1, light	-40°C to 125°C... 113
AIRDUC® PUR 352 SE Suction and pressure hose according to UL94-V0, DIN 4102-B1, DIN 5510-2 (S2, SR2, ST2), medium-heavy	-40°C to 125°C... 113
AIRDUC® PUR 352 SE RAILWAY Suction hose and pressure hose according to DIN EN 45545-2, medium-heavy	-40°C to 90°C... 114
AIRDUC® PUR 352 SE RAILWAY PLUS Suction hose and pressure hose according to DIN EN 45545-2, medium-heavy	-40°C to 90°C... 114

PROTAPE® PUR 332 SE



Suction hose and pressure hose according to UL94-V2, DIN 4102-B1, light

Applications: flexible hose/ ducting for gases and for dust, powder, fibres; rail vehicle, train, railway, tram, boat, ship/ vessel, yacht: ventilation, heating, roof drainage, sand conveying in rail vehicle braking systems, sanitary installation

Properties: light weight; highly flexible + compressible 3:1; abrasion-resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: UL94-V2, DIN 4102-B1, FMVSS 302; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

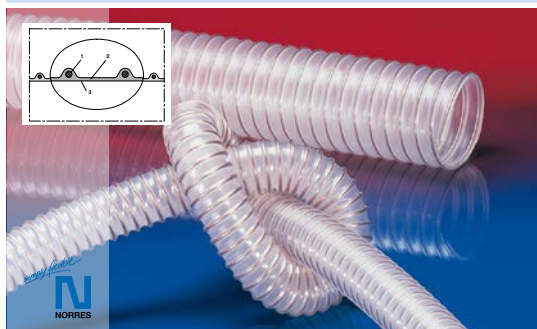
Design, Material: PROTAPE® tape hose; spring steel wire integrated in wall; extruded duct; wall: special premium polyurethane with flame retardant additive (Pre-PUR®); wall thickness 0,6 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 40	47	1,015	0,300	47	0,26	10 15	332-0040-0000
2 / 50-51	58	0,815	0,260	58	0,36	10 15	332-0050-0000
2,36 / 60	68	0,680	0,210	68	0,43	10 15	332-0060-0000
2,5 / 63-65	73	0,630	0,180	73	0,47	10 15	332-0065-0000
- / 70	78	0,585	0,150	78	0,50	10 15	332-0070-0000
3 / 75-76	83	0,545	0,140	83	0,53	10 15	332-0075-0000
- / 80	88	0,510	0,130	88	0,57	10 15	332-0080-0000
4 / 100-102	108	0,410	0,090	108	0,66	10 15	332-0100-0000
- / 110	118	0,375	0,080	118	0,73	10 15	332-0110-0000
4,72 / 120	128	0,340	0,075	128	0,79	10 15	332-0120-0000
5 / 125-127	133	0,330	0,060	133	0,82	10 15	332-0125-0000
5,5 / 140	148	0,295	0,060	148	0,92	10 15	332-0140-0000
6 / 150-152	158	0,275	0,060	158	0,98	10 15	332-0150-0000
6,3 / 160	168	0,255	0,050	168	1,04	10 15	332-0160-0000
- / 170	178	0,240	0,045	178	1,11	10 15	332-0170-0000
7 / 178-180	188	0,230	0,040	188	1,17	10 15	332-0180-0000
8 / 200-203	208	0,205	0,040	208	1,54	10 15	332-0200-0000
- / 225	233	0,180	0,030	233	1,75	10 15	332-0225-0000
- / 250	258	0,165	0,015	258	1,90	10 15	332-0250-0000
- / 275	283	0,150	0,015	283	2,11	10	332-0275-0000
11 / 280	288	0,145	0,015	288	2,15	10	332-0280-0000
- / 300	309	0,135	0,015	309	2,53	10	332-0300-0000
- / 315	324	0,130	0,010	324	2,65	10	332-0315-0000
- / 325	334	0,125	0,010	334	2,74	10	332-0325-0000
- / 350	359	0,115	0,010	359	2,95	10	332-0350-0000
- / 400	409	0,105	0,010	409	3,36	10	332-0400-0000
- / 450	459	0,090	0,005	459	3,77	10	332-0450-0000
- / 500	510	0,080	0,005	510	5,16	10	332-0500-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 217, 213, 223, 270-271

AIRDUC® PUR 352 SE



Suction hose and pressure hose according to UL94-V0, DIN 4102-B1, DIN 5510-2 (S2, SR2, ST2), NF P 92-507 M3, medium-heavy

Applications: flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; rail vehicle (DIN 5510), train, railway, tram, boat, ship/ vessel, yacht: ventilation, heating, roof drainage, sand conveying in rail vehicle braking systems, sanitary installation

Properties: medium-heavy duty; highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: UL94-V0, DIN4102-B1, DIN 5510-2 (S4, SR2, ST2), FMVSS 302, NF P 92-507 M3; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

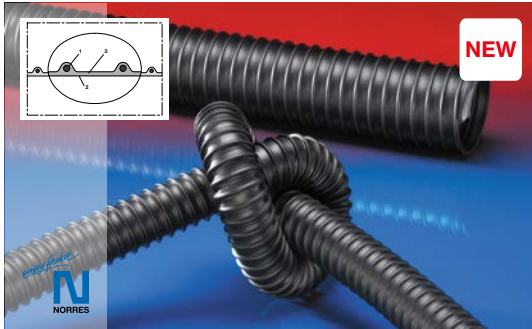
Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium polyurethane with flame retardant additive (Pre-PUR®); wall thickness 0,9 mm approx.

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 40	48	1,740	0,355	53	0,34	10 15	352-0040-0000
2 / 50-51	58	1,405	0,285	64	0,42	10 15	352-0050-0000
2,36 / 60	68	1,175	0,235	75	0,50	10 15	352-0060-0000
2,5 / 63-65	73	1,090	0,220	80	0,54	10 15	352-0065-0000
- / 70	79	1,010	0,150	87	0,60	10 15	352-0070-0000
3 / 75-76	84	0,945	0,140	92	0,64	10 15	352-0075-0000
- / 80	89	0,890	0,130	98	0,68	10 15	352-0080-0000
3,5 / 89-90	99	0,790	0,115	109	0,76	10 15	352-0090-0000
4 / 100-102	109	0,715	0,110	120	0,97	10 15	352-0100-0000
- / 110	119	0,650	0,100	131	1,06	10 15	352-0110-0000
4,5 / 114-115	124	0,620	0,095	136	1,11	10 15	352-0115-0000
4,72 / 120	129	0,595	0,090	142	1,16	10 15	352-0120-0000
5 / 125-127	134	0,575	0,090	147	1,20	10 15	352-0125-0000
- / 130	139	0,550	0,085	153	1,25	10 15	352-0130-0000
5,5 / 140	149	0,510	0,080	164	1,34	10 15	352-0140-0000
6 / 150-152	159	0,480	0,065	175	1,52	10 15	352-0150-0000
6,3 / 160	169	0,450	0,065	186	1,61	10 15	352-0160-0000
- / 175	184	0,410	0,060	202	1,76	10 15	352-0175-0000
7 / 178-180	189	0,400	0,055	208	1,81	10 15	352-0180-0000
8 / 200-203	209	0,360	0,050	230	2,01	10 15	352-0200-0000
- / 225	234	0,320	0,040	257	2,16	10 15	352-0225-0000
- / 250	259	0,290	0,035	285	2,34	10 15	352-0250-0000
- / 275	284	0,260	0,035	312	2,63	10	352-0275-0000
11 / 280	289	0,260	0,030	318	2,68	10	352-0280-0000
- / 300	309	0,240	0,030	340	2,86	10	352-0300-0000
- / 315	324	0,230	0,030	356	3,01	10	352-0315-0000
- / 325	334	0,220	0,030	367	3,10	10	352-0325-0000
- / 350	359	0,205	0,025	395	3,34	10	352-0350-0000
- / 400	409	0,180	0,025	450	4,28	10	352-0400-0000
- / 450	459	0,160	0,020	508	4,80	10	352-0450-0000
- / 500	509	0,145	0,020	565	5,33	10	352-0500-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 212, 208, 270-271

AIRDUC® PUR 352 SE RAILWAY



NEW

Suction hose and pressure hose according to DIN EN 45545-2, medium-heavy

Applications: flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; rail vehicle (DIN 5510, DIN EN 45545-2), train, railway, tram, boat, ship/ vessel, yacht: ventilation, heating, roof drainage, sand conveying in rail vehicle braking systems, sanitary installation

Properties: medium-heavy duty; highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: DIN EN 45545-2; R23 HL1; tested according to NFPA 130: ASTM E 162 + ASTM E 662 + BSS 7239 + BSS 7242; tested according to EN45545-2: ISO 5658-2 + ISO 5659-2 662; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

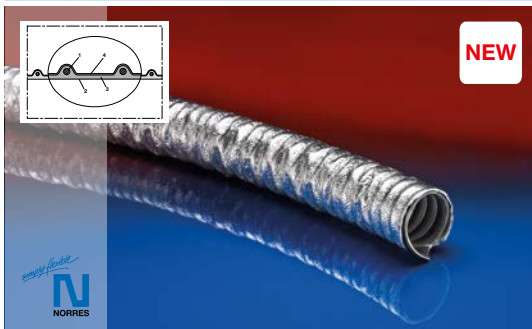
I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	28	2,530	0,485	21	0,17	10 15	352-0020-5401
- / 22	30	2,315	0,440	22	0,18	10 15	352-0022-5401
1 / 25	32	2,055	0,385	23	0,20	10 15	352-0025-5401
- / 30	38	1,735	0,285	27	0,26	10 15	352-0030-5401
1,25 / 32	40	1,630	0,265	28	0,28	10 15	352-0032-5401
1,5 / 38	46	1,385	0,225	33	0,32	10 15	352-0038-5401
- / 40	48	1,320	0,215	34	0,34	10 15	352-0040-5401
- / 42	50	0,125	0,200	36	0,35	10 15	352-0042-5401
1,75 / 44-45	53	1,175	0,190	50	0,37	10 15	352-0045-5401
2 / 50-51	58	1,065	0,170	64	0,42	10 15	352-0050-5401
- / 55	63	0,970	0,155	68	0,45	10 15	352-0055-5401
2,36 / 60	68	0,800	0,140	75	0,50	10 15	352-0060-5401
2,5 / 63-65	73	0,745	0,125	80	0,54	10 15	352-0063-5401
- / 70	79	0,690	0,085	87	0,60	10 15	352-0070-5401
3 / 75-76	84	0,645	0,080	92	0,64	10 15	352-0075-5401
- / 80	89	0,605	0,075	98	0,68	10 15	352-0080-5401
3,5 / 89-90	99	0,535	0,065	109	0,76	10 15	352-0090-5401
4 / 100-102	109	0,485	0,065	120	0,97	10 15	352-0100-5401
4,72 / 120	129	0,405	0,050	142	1,16	10 15	352-0120-5401
5 / 125-127	134	0,390	0,050	147	1,20	10 15	352-0125-5401
6 / 150-152	159	0,325	0,045	175	1,52	10 15	352-0150-5401
7 / 178-180	189	0,270	0,035	208	1,81	10 15	352-0180-5401

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium polyurethane with flame retardant additive (Pre-PUR®); wall thickness 0,9 mm approx.

Delivery variants: further diameters and lengths available on request

Accessories: 212, 208, 270-271

AIRDUC® PUR 352 SE RAILWAY PLUS



NEW

Suction hose and pressure hose according to DIN EN 45545-2, medium-heavy

Applications: flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; rail vehicle (DIN 5510, DIN EN 45545-2), train, railway, tram, boat, ship/ vessel, yacht: ventilation, heating, roof drainage, sand conveying in rail vehicle braking systems, sanitary installation

Properties: medium-heavy duty; highly abrasion resistant; insulating; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: DIN EN 45545-2; R1 HL1, HL2, HL3; R22 HL1, HL2; R23 HL1, HL2; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
- / 20	28,5	2,530	0,485	34	0,205	5	352-0020-5400
- / 22	30,5	2,315	0,440	38	0,240	5	352-0022-5400
1 / 25	33,5	2,055	0,385	44	0,265	5	352-0025-5400
- / 30	39,5	1,735	0,285	52	0,340	5	352-0030-5400
1,25 / 32	41,5	1,630	0,265	56	0,365	5	352-0032-5400
1,5 / 38	47,5	1,385	0,225	64	0,415	5	352-0038-5400
- / 40	49,5	1,320	0,215	66	0,440	5	352-0040-5400
- / 42	51,5	0,125	0,020	68	0,465	5	352-0042-5400
1,75 / 44-45	54,5	1,175	0,190	71	0,495	5	352-0045-5400
2 / 50-51	59,5	1,065	0,170	80	0,530	5	352-0050-5400
- / 55	64,5	0,970	0,155	83	0,585	5	352-0055-5400
2,36 / 60	69,5	0,800	0,140	90	0,635	5	352-0060-5400
2,5 / 63-65	74,5	0,745	0,125	100	0,685	5	352-0063-5400
- / 70	80,5	0,690	0,085	104	0,755	5	352-0070-5400
3 / 75-76	86,5	0,645	0,080	109	0,820	5	352-0075-5400
- / 80	90,5	0,605	0,075	116	0,870	5	352-0080-5400
3,5 / 89-90	100,5	0,535	0,065	128	0,960	5	352-0090-5400
4 / 100-102	112,5	0,485	0,065	140	1,200	5	352-0100-5400
4,72 / 120	130,5	0,405	0,050	165	1,485	5	352-0120-5400
5 / 125-127	137,5	0,390	0,050	170	1,855	5	352-0125-5400
6 / 150-152	162,5	0,325	0,045	200	2,210	5	352-0150-5400
7 / 178-180	190,5	0,270	0,035	240	2,655	5	352-0180-5400

Delivery variants: further diameters and lengths available on request

Accessories: 212, 208, 270-271

Design, Material: AIRDUC® profile hose; spring steel wire firmly embedded in wall; wall: special premium polyurethane with flame retardant additive (Pre-PUR®); wall thickness 0,9 mm approx.; special thermal insulation layer

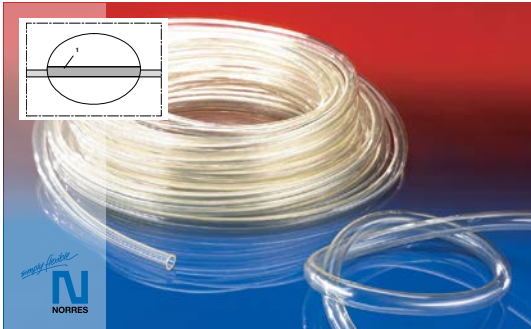


Compressed air hoses, pneumatic hoses

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NORFLEX® PUR 401 FOOD

**Abrasion resistant polyurethane hose/ tubing**

Applications: flexible hose/ ducting for liquids and for gases and for abrasive solids; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; powder spraying, powder coating: e.g. printing industry; hose/ tubing pump; pneumatic tube; compressed air hose, cooling water hose, water hose; heating hose: interior hose for media transfer; pneumatic expansion shaft: round expansion tube, flat expansion tube (special type on request)

Properties: highly flexible; highly abrasion resistant; crush resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

I.D.	Wall Thickness	O.D.	Over-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	bar	mm	kg/m	m	
- / 2	1,0	4,0	20,000	19	0,011	100	401-9020-0000
- / 2,5	0,75	4,0	13,000	19	0,009	100	401-9025-0000
1/8 / 3	1,0	5,0	15,000	19	0,015	100	401-9030-0000
- / 4	1,0	6,0	13,000	28	0,018	100	401-9040-0000
- / 5	1,0	7,0	10,000	28	0,022	100	401-9050-0000
- / 5	1,5	8,0	12,000	33	0,036	100	401-9050-2182
1/4 / 6	1,0	8,0	8,000	32	0,026	100	401-9060-0000
1/4 / 6	1,5	9,0	10,000	37	0,041	100	401-9060-2182
- / 7	1,5	10,0	10,000	37	0,046	100	401-9070-0000
5/16 / 8	1,0	10,0	6,000	31	0,033	100	401-9080-2172
5/16 / 8	1,5	11,0	8,000	46	0,052	100	401-9080-2182
5/16 / 8	2,0	12,0	12,000	46	0,073	100	401-9080-0000
- / 9	1,5	12,0	8,000	46	0,057	100	401-9090-0000
3/8 / 10	2,0	14,0	11,000	55	0,080	100	401-9100-0000
- / 11	2,5	16,0	10,000	55	0,123	50	401-9110-0000
- / 12	2,0	16,0	8,000	64	0,102	50	401-9120-0000
1/2 / 13	2,5	18,0	8,000	79	0,141	50	401-9130-0000
3/4 / 19	3,0	25,0	8,000	116	0,241	50	401-9190-0000

Design, Material: NORFLEX® design; wall interior and exterior smooth; wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 208

I.D. tolerance: ≤ 5 mm +0,1/-0,2 mm; 5,1 .. 8 mm +0,2/-0,3 mm; > 8,0 mm +3/-3 %; Wall thickness tolerance: ≤ 0,7 mm +0,1/-0,1 mm; 7,1 .. 1,5mm +0,15/-0,15 mm; > 1,5 mm +10/-10 %

NORFLEX® PUR 441 FOOD

**Abrasion resistant polyurethane hose/ tubing, fabric reinforced pressure hose**

Applications: flexible hose/ ducting for liquids and for gases and for abrasive solids; food industry, pharmaceutical industry: foodstuff, pharmaceutical; conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods; injection moulding tool cooling, cooling water supply; powder spraying, powder coating: e.g. printing industry; industrial washing machine: washing water hose; compressed air hose, cooling water hose, water hose; fabric reinforced hose/ braided hose; heating hose: interior hose for media transfer

Properties: fabric reinforced; highly flexible; highly abrasion resistant; crush resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; manufacturing process acc. GMP EC 2023/2006; conforms to RoHS guideline

I.D.	Wall Thickness	O.D.	Over-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	bar	mm	kg/m	m	
1/8 / 2,9	1,4	5,7	20,000	14	0,022	50	441-9029-0000
- / 4	2,0	8,0	20,000	13	0,045	50	441-9040-0000
1/4 / 6	2,0	10,0	16,000	22	0,060	50	441-9060-0000
5/16 / 8	2,0	12,0	16,000	26	0,075	50	441-9080-0000
3/8 / 9,5	2,0	13,5	14,000	45	0,086	50	441-9095-0000
3/8 / 10	2,3	14,5	12,000	55	0,103	50	441-9100-0000
1/2 / 13	3,0	19,0	10,000	79	0,179	50	441-9130-0000
3/4 / 19	3,0	25,0	8,000	116	0,248	50	441-9190-0000

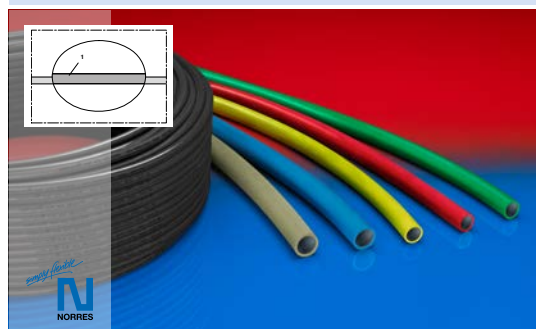
Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: NORFLEX® design; fabric reinforced wall; smooth interior and exterior; wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 208

NORFLEX® PUR 401 WELDING



Flame-retardant polyurethane hose/ tubing, for flying sparks or welding sparks

Applications: flexible hose/ ducting for liquids and for gases and for abrasive solids; hose/ tubing pump; pneumatic tube; compressed air hose, cooling water hose, water hose; industrial robot, robotic, welding equipment, welding robot, welding gun: welding spot resistant hose, hose for dresspack for media as water and air; heating hose: interior hose for media transfer

Properties: very good resistance to flying sparks and welding sparks; highly flexible; highly abrasion resistant; crush resistant; good resistance to oil, gasoline and chemicals; flame-retardant according to: UL94-V0/V2: conforms to RoHS guideline

Temperature Range: -20°C to 60°C

Design, Material: NORFLEX® design; wall interior and exterior smooth; wall: special premium polyurethane with flame retardant additive (Pre-PUR®)

Delivery variants: further diameters and lengths available on request; cream (standard); grey (standard); black (standard); blue (standard); red (standard); yellow (standard); green (standard); special colours: partially coloured, completely coloured; customer-specific branding

Accessories: 208

O.D. tolerance: ≤ 6 mm $+0,1 / -0,1$ mm; 6,1 .. 16 mm $+0,15 / -0,15$ mm; > 16 mm $+0,2 / -0,2$ mm; Wall thickness tolerance: 1 to 1,5 mm: $0 / -0,15$ mm; 2 mm: $0 / -0,2$ mm; 2,5 mm: $+0,15 / -0,05$ mm; 3 mm: $+0,2 / -0,1$ mm

I.D.	Wall Thickness	O.D.	Over- pressure	Burst Pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	mm	bar	bar	mm	kg/m	m	
Colour blue								
- / 2	1,0	4,0	25,000	40	6	0,012	100	401-9020-6051
- / 4	1,0	6,0	18,000	35	10	0,020	100	401-9040-6051
- / 4	2,0	8,0	23,000	47	13	0,048	50 100	401-9040-6041
- / 5,5	1,25	8,0	14,000	28	14	0,034	100	401-9055-6061
1/4 / 6	1,5	9,0	14,000	28	15	0,045	100	401-9060-6071
1/4 / 6	2,0	10,0	18,000	36	17	0,063	50 100	401-9060-6041
- / 7	1,5	10,0	12,000	25	22	0,051	100	401-9070-6071
5/16 / 8	2,0	12,0	13,000	30	24	0,078	50 100	401-9080-6041
3/8 / 10	1,0	12,0	8,000	20	35	0,044	50 100	401-9100-6051
3/8 / 10	2,0	14,0	12,000	32	45	0,096	50 100	401-9100-6041
3/8 / 10	2,5	15,0	18,000	35	50	0,125	50 100	401-9100-6081
- / 11	2,0	15,0	13,000	30	45	0,107	100	401-9110-6041
- / 11	2,5	16,0	14,000	34	50	0,135	50	401-9110-6081
- / 17	2,5	22,0	8,000	20	72	0,195	50	401-9170-6081
7/8 / 22	3,0	28,0	7,000	18	139	0,300	50	401-9220-6091
Colour cream								
- / 2	1,0	4,0	25,000	40	6	0,012	100	401-9020-6056
- / 4	1,0	6,0	18,000	35	10	0,020	100	401-9040-6056
- / 4	2,0	8,0	23,000	47	13	0,048	50 100	401-9040-6046
- / 5,5	1,3	8,0	14,000	28	14	0,034	100	401-9055-6066
1/4 / 6	1,5	9,0	14,000	28	15	0,045	100	401-9060-6076
1/4 / 6	2,0	10,0	18,000	36	17	0,063	50 100	401-9060-6046
- / 7	1,5	10,0	12,000	25	22	0,051	100	401-9070-6076
5/16 / 8	2,0	12,0	13,000	30	24	0,078	50 100	401-9080-6046
3/8 / 10	1,0	12,0	8,000	20	35	0,044	100	401-9100-6056
3/8 / 10	2,0	14,0	12,000	32	45	0,096	50 100	401-9100-6046
3/8 / 10	2,5	15,0	18,000	35	50	0,125	100	401-9100-6086
- / 11	2,0	15,0	13,000	30	45	0,107	100	401-9110-6046
- / 11	2,5	16,0	14,000	34	50	0,135	50	401-9110-6086
- / 17	2,5	22,0	8,000	20	72	0,195	50	401-9170-6086
7/8 / 22	3,0	28,0	7,000	18	139	0,300	50	401-9220-6096
Colour yellow								
- / 2	1,0	4,0	25,000	40	6	0,012	100	401-9020-6054
- / 4	1,0	6,0	18,000	35	10	0,020	100	401-9040-6054
- / 4	2,0	8,0	23,000	47	13	0,048	50 100	401-9040-6044
- / 5,5	1,3	8,0	14,000	28	14	0,034	100	401-9055-6064
1/4 / 6	1,5	9,0	14,000	28	15	0,045	100	401-9060-6074
1/4 / 6	2,0	10,0	18,000	36	17	0,063	50 100	401-9060-6044
- / 7	1,5	10,0	12,000	25	22	0,051	100	401-9070-6074
5/16 / 8	2,0	12,0	13,000	30	24	0,078	50 100	401-9080-6044
3/8 / 10	1,0	12,0	8,000	20	35	0,044	50 100	401-9100-6054
3/8 / 10	2,0	14,0	12,000	32	45	0,096	100	401-9100-6044
3/8 / 10	2,5	15,0	18,000	35	50	0,125	100	401-9100-6084
- / 11	2,0	15,0	13,000	30	45	0,107	100	401-9110-6044
- / 11	2,5	16,0	14,000	34	50	0,135	50	401-9110-6084
- / 17	2,5	22,0	8,000	20	72	0,195	50	401-9170-6084
7/8 / 22	3,0	28,0	7,000	18	139	0,300	50	401-9220-6094
Colour green								
- / 2	1,0	4,0	25,000	40	6	0,012	100	401-9020-6055
- / 4	1,0	6,0	18,000	35	10	0,020	100	401-9040-6055
- / 4	2,0	8,0	23,000	47	13	0,048	50 100	401-9040-6045
- / 5,5	1,3	8,0	14,000	28	14	0,034	100	401-9055-6065
1/4 / 6	1,5	9,0	14,000	28	15	0,045	100	401-9060-6075
1/4 / 6	2,0	10,0	18,000	36	17	0,063	50 100	401-9060-6045
- / 7	1,5	10,0	12,000	25	22	0,051	100	401-9070-6075
5/16 / 8	2,0	12,0	13,000	30	24	0,078	50 100	401-9080-6045
3/8 / 10	1,0	12,0	8,000	20	35	0,044	100	401-9100-6055
3/8 / 10	2,0	14,0	12,000	32	45	0,096	50 100	401-9100-6045
3/8 / 10	2,5	15,0	18,000	35	50	0,125	100	401-9100-6085
- / 11	2,0	15,0	13,000	30	45	0,107	100	401-9110-6045
- / 11	2,5	16,0	14,000	34	50	0,135	50	401-9110-6085
- / 17	2,5	22,0	8,000	20	72	0,195	50	401-9170-6085
7/8 / 22	3,0	28,0	7,000	18	139	0,300	50	401-9220-6095
Colour red								
- / 2	1,0	4,0	25,000	40	6	0,012	100	401-9020-6053
- / 4	1,0	6,0	18,000	35	10	0,020	100	401-9040-6053
- / 4	2,0	8,0	23,000	47	13	0,048	50 100	401-9040-6043
- / 5,5	1,3	8,0	14,000	28	14	0,034	100	401-9055-6063
1/4 / 6	1,5	9,0	14,000	28	15	0,045	100	401-9060-6073
1/4 / 6	2,0	10,0	18,000	36	17	0,063	50 100	401-9060-6043
- / 7	1,5	10,0	12,000	25	22	0,051	100	401-9070-6073
5/16 / 8	2,0	12,0	13,000	30	24	0,078	50 100	401-9080-6043
3/8 / 10	1,0	12,0	8,000	20	35	0,044	100	401-9100-6053
3/8 / 10	2,0	14,0	12,000	32	45	0,096	50 100	401-9100-6043
3/8 / 10	2,5	15,0	18,000	35	50	0,125	100	401-9100-6083
- / 11	2,0	15,0	13,000	30	45	0,107	100	401-9110-6043
- / 11	2,5	16,0	14,000	34	50	0,135	50	401-9110-6083
- / 17	2,5	22,0	8,000	20	72	0,195	50	401-9170-6083
7/8 / 22	3,0	28,0	7,000	18	139	0,300	50	401-9220-6093

NORFLEX® PUR 441 ROBOTIC


Abrasion resistant polyurethane hose/ tubing for industrial robots, fabric reinforced high pressure hose

Applications: flexible hose/ ducting for liquids and for gases and for abrasive solids; injection moulding tool cooling, cooling water supply; agricultural industry: high pressure spraying hose e.g. for pesticides; compressed air hose, cooling water hose, water hose; fabric reinforced hose/ braided hose; industrial robot, robotic, welding equipment, welding robot, welding gun: welding spot resistant hose, hose for dresspack for media as water and air; heating hose: interior hose for media transfer

Properties: fabric reinforced; highly flexible; highly abrasion resistant; crush resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -35°C to 80°C

Design, Material: NORFLEX® design; fabric reinforced wall; smooth interior and exterior; wall: special premium polyurethane (Pre-PUR®)

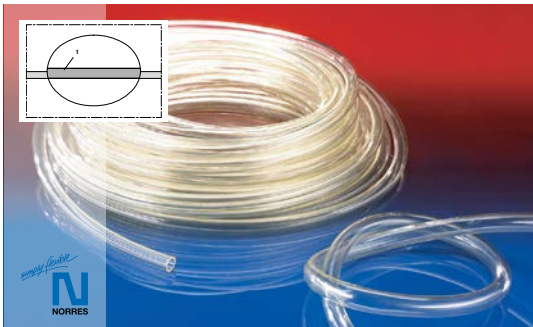
I.D.	O.D.	Over-pressure	min. Burst Pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
Colour blue							
3/8 / 9,4	16,0	20,000	80	55	0,153	50	441-9094-0400
1/2 / 12,8	19,5	20,000	80	69	0,230	50	441-9128-0400
3/4 / 19,5	28,5	20,000	50	140	0,411	50	441-9190-0400
Colour black							
3/8 / 9,4	16,0	20,000	80	55	0,153	50	441-9094-0402
1/2 / 12,8	19,5	20,000	80	69	0,230	50	441-9128-0402
Colour red							
3/8 / 9,4	16,0	20,000	80	55	0,153	50	441-9094-0403
1/2 / 12,8	19,5	20,000	80	69	0,230	50	441-9128-0403
3/4 / 19,5	28,5	20,000	50	140	0,411	50	441-9190-0403
Colour green							
3/8 / 9,4	16,0	20,000	80	55	0,153	50	441-9094-0404
1/2 / 12,8	19,5	20,000	80	69	0,230	50	441-9128-0404
3/4 / 19,5	28,5	20,000	50	140	0,411	50	441-9190-0404

Delivery variants: further diameters and lengths available on request; transparent (standard); grey (standard); black (standard); blue (standard); red (standard); yellow (standard); green (standard); special colours: full coloured; customer-specific branding

Accessories: 208

I.D. tolerance: < 13 mm +0,15 / -0,15 mm; > 13 mm +0,2 / -0,2 mm; O.D. tolerance: < 19,5 mm: +0,25 / -0,25 mm; > 19,5 mm: +0,25 / -0,25 mm

NORFLEX® PVC 400


PVC hose/ tubing

Applications: flexible hose/ ducting for liquids and for gases; hose/ tubing pump; industrial washing machine: washing water hose; compressed air hose, cooling water hose, water hose; heating hose: interior hose for media transfer

Properties: highly flexible; crush resistant; good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -20°C to 60°C

Design, Material: NORFLEX® design; wall interior and exterior smooth; wall: soft PVC

I.D.	Wall Thickness	O.D.	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 2	1,0	4,0	0,012	100	400-9020-0000
1/8 / 3	1,0	5,0	0,016	100	400-9030-0000
- / 4	1,0	6,0	0,020	100	400-9040-0000
- / 4	1,5	7,0	0,034	100	400-9040-2182
- / 5	1,5	8,0	0,040	100	400-9050-0000
1/4 / 6	1,5	9,0	0,046	100	400-9060-0000
1/4 / 6	2,0	10,0	0,065	100	400-9060-2184
- / 7	1,5	10,0	0,052	100	400-9070-0000
5/16 / 8	2,0	12,0	0,082	50	400-9080-0000
- / 9	2,0	13,0	0,090	50	400-9090-0000
3/8 / 10	2,0	14,0	0,098	50	400-9100-0000
- / 12	2,5	17,0	0,148	50	400-9120-0000
- / 14	2,5	19,0	0,168	50	400-9140-0000
- / 15	2,5	20,0	0,178	50	400-9150-0000
5/8 / 16	3,0	22,0	0,233	50	400-9160-0000
- / 18	3,0	24,0	0,257	50	400-9180-0000
- / 20	2,0	24,0	0,180	50	400-9200-0000
- / 20	3,0	26,0	0,282	50	400-9200-2175
7/8 / 22	3,0	28,0	0,306	50	400-9220-0000
1 / 25	3,0	31,0	0,343	25	400-9250-0000
1 1/8 / 30	3,5	37,0	0,479	25	400-9300-0000
1 1/4 / 32	4,0	40,0	0,588	25	400-9320-0000
1 1/2 / 38	5,0	48,0	0,878	25	400-9380-0000
- / 40	4,0	48,0	0,719	25	400-9400-0000
- / 40	5,0	50,0	0,919	25	400-9400-2187
- / 50	5,0	60,0	1,123	25	400-9500-0000
2 3/8 / 60	5,0	70,0	1,327	25	400-9600-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 208

NORFLEX® PVC 440



PVC hose/ tubing, fabric reinforced pressure hose

Applications: flexible hose/ ducting for liquids and for gases; injection moulding tool cooling, cooling water supply; caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel, yachts: sanitary installation, water supply; industrial washing machine: washing water hose; compressed air hose, cooling water hose, water hose; fabric reinforced hose/ braided hose; vacuum lifting equipment, vacuum handling system; heating hose: interior hose for media transfer

Properties: fabric reinforced; highly flexible; crush resistant; good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -20°C to 60°C

Design, Material: NORFLEX® design; fabric reinforced wall; smooth interior and exterior; wall: soft PVC

I.D.	Wall Thickness	O.D.	Over-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	bar	mm	kg/m	m	
- / 4	3,0	10,0	20,000	13	0,086	50	440-9040-0000
- / 5	3,0	11,0	17,000	18	0,098	50	440-9050-0000
1/4 / 6	3,0	12,0	15,000	22	0,110	50	440-9060-0000
5/16 / 8	3,0	14,0	15,000	26	0,135	50	440-9080-0000
- / 9	3,0	15,0	12,000	31	0,147	50	440-9090-0000
3/8 / 10	3,0	16,0	10,000	45	0,159	50	440-9100-0000
- / 12	4,5	21,0	12,000	59	0,303	50	440-9120-0000
- / 12	3,0	18,0	10,000	59	0,184	50	440-9120-2175
1/2 / 12,5	3,0	18,5	10,000	59	0,190	50	440-9125-0000
1/2 / 13	3,5	20,0	10,000	69	0,236	50	440-9130-0000
5/8 / 16	4,0	24,0	10,000	92	0,327	50	440-9160-0000
3/4 / 19	4,0	27,0	7,000	116	0,376	50	440-9190-0000
1 / 25	4,5	34,0	6,000	138	0,542	25	440-9250-0000
1 1/8 / 30	4,0	38,0	5,000	185	0,555	25	440-9300-0000
1 1/4 / 32	5,0	42,0	5,000	234	0,755	25	440-9320-0000

Delivery variants: further diameters and lengths available on request; transparent (standard); special colours: full coloured; customer-specific branding

Accessories: 208

NORFLEX® PVC 440 HIGH PRESSURE



I.D.	O.D.	Over-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	mm	kg/m	m	
5/16 / 8	14	20	26	0,135	50	440-9080-0500
3/8 / 10	16	18	45	0,159	50	440-9100-0500
1/2 / 12,7	19	16	60	0,210	50	440-9127-0500
5/8 / 16	24	14	92	0,327	50	440-9160-0500
3/4 / 19	27	12	116	0,376	50	440-9190-0500
1 / 25	34	10	138	0,542	50	440-9250-0500
1 1/4 / 32	42	8	234	0,755	50	440-9320-0500

Delivery variants: further diameters and lengths available on request; black (standard); special colours: full coloured; customer-specific branding

PVC hose/ tubing, fabric reinforced high pressure hose

Applications: flexible hose/ ducting for liquids and for gases; injection moulding tool cooling, cooling water supply; agricultural industry: irrigation, fertilizers, insecticides; agricultural industry: high pressure spraying hose e.g. for pesticides; industrial washing machine: washing water hose; compressed air hose, cooling water hose, water hose; fabric reinforced hose/ braided hose; industrial robot, robotic, welding equipment, welding robot, welding gun: welding spot resistant hose, hose for dresspack for media as water and air; heating hose: interior hose for media transfer

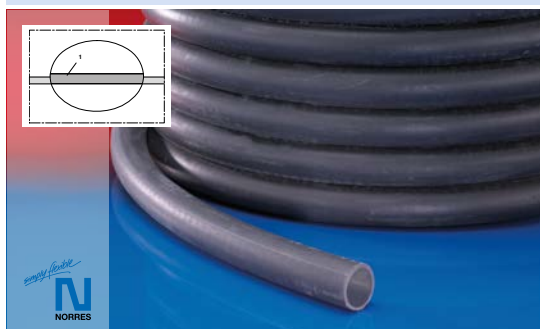
Properties: fabric reinforced; highly flexible; crush resistant; good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -20°C to 60°C

Design, Material: NORFLEX® design; fabric reinforced wall; wall interior and exterior smooth; wall: soft PVC

Accessories: 208

NORFLEX® TPE 405



I.D.	Wall Thickness	O.D.	Over-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	mm	bar	mm	kg/m	m	
Colour cream							
1/4 / 6	2,00	10,0	1,00	30	0,060	50	405-9060-0000
1/2 / 12,7	3,20	19,1	0,75	62	0,165	50	405-9127-0000
5/8 / 15,9	4,80	25,5	0,60	80	0,200	50	405-9159-0000
3/4 / 19	4,80	28,6	0,50	100	0,280	50	405-9190-0000
Colour black							
3/8 / 9,5	3,15	15,8	1,20	45	0,125	50	405-9095-5300
3/8 / 9,5	2,00	13,5	1,00	40	0,080	50	405-9095-5301

Delivery variants: further diameters and lengths available on request; customer-specific branding

TPE hose/ tubing

Accessories: 208

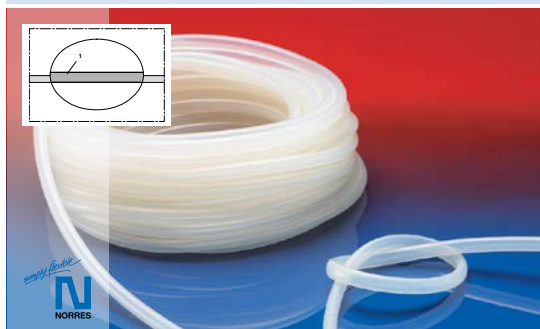
Applications: flexible hose/ ducting for liquids and for gases; hose/ tubing pump; compressed air hose, cooling water hose, water hose; heating hose: interior hose for media transfer

Properties: highly flexible; crush resistant; very good heat resistance; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 125°C; short time to 150°C

Design, Material: NORFLEX® design; wall interior and exterior smooth; wall: thermoplastic rubber (TPE)

NORFLEX® SIL 408



I.D.	Wall Thickness	O.D.	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	kg/m	m	
- / 2	1,0	4,0	0,011	50	408-9020-0000
- / 2	2,0	6,0	0,030	50	408-9020-2163
1/8 / 3	1,0	5,0	0,015	50	408-9030-0000
1/8 / 3	1,5	6,0	0,025	50	408-9030-2182
1/8 / 3	2,0	7,0	0,037	50	408-9030-2163
- / 4	1,0	6,0	0,019	50	408-9040-0000
- / 4	1,5	7,0	0,031	50	408-9040-2182
- / 4	2,0	8,0	0,045	50	408-9040-2163
- / 5	1,0	7,0	0,022	50	408-9050-0000
- / 5	1,5	8,0	0,036	50	408-9050-2182
1/4 / 6	1,5	9,0	0,042	50	408-9060-0000
1/4 / 6	2,0	10,0	0,059	50	408-9060-2163
- / 7	1,5	10,0	0,047	50	408-9070-0000
5/16 / 8	1,0	10,0	0,033	50	408-9080-0000
5/16 / 8	2,0	12,0	0,074	50	408-9080-2163
5/16 / 8	3,0	14,0	0,111	50	408-9080-2175
- / 9	2,0	13,0	0,082	50	408-9090-0000
3/8 / 10	2,0	14,0	0,089	50	408-9100-0000
3/8 / 10	2,5	15,0	0,111	50	408-9100-2174
- / 12	2,0	16,0	0,104	50	408-9120-0000
- / 12	3,0	18,0	0,167	25	408-9120-2175
- / 15	3,0	21,0	0,200	25	408-9150-0000
5/8 / 16	3,0	22,0	0,211	25	408-9160-0000
- / 20	3,0	26,0	0,266	25	408-9200-0000
1 / 25	3,0	31,0	0,311	20	408-9250-0000

Delivery variants: further diameters and lengths available on request; transparent (standard)

Accessories: 208

Silicone hose/ tubing

Applications: flexible hose/ ducting for liquids and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; hose/ tubing pump; heating hose: interior hose for media transfer

Properties: highly flexible; crush resistant; food grade wall, complies with: FDA 21 CFR 177.2600, German guideline XV BfR; conforms to RoHS guideline

Temperature Range: -60°C to 180°C

Design, Material: NORFLEX® design; wall interior and exterior smooth; wall: silicone 60 ± 5 Shore A

NORFLEX® SIL 448

**Silicone hose/ tubing, fabric reinforced pressure hose**

Applications: flexible hose/ ducting for liquids and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; fabric reinforced hose/ braided hose; heating hose: interior hose for media transfer

Properties: fabric reinforced; highly flexible; crush resistant; food grade wall, complies with: FDA 21 CFR 177.2600, German guideline XV BfR; platinum-cured odourless and tasteless; conforms to RoHS guideline

Temperature Range: -60°C to 180°C

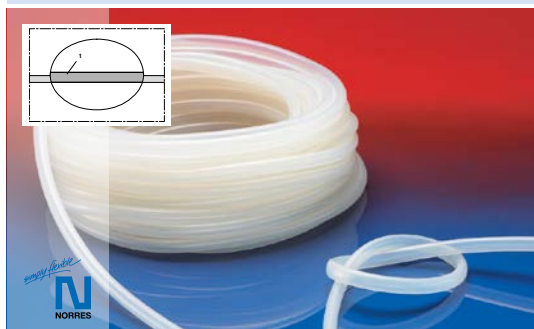
Design, Material: NORFLEX® design; fabric reinforced wall; smooth interior and exterior; wall: silicone 70 ± 5 Shore A

I.D.	Wall Thickness	O.D.	Over-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	bar	mm	kg/m	m	
platinum cured Colour blue							
1/8 / 3	2,5	8,0	16,000	24	0,055	25	448-9030-3130
- / 4	2,5	9,0	15,000	33	0,065	25	448-9040-3130
- / 5	3,0	11,0	13,000	33	0,090	25	448-9050-3130
1/4 / 6	3,0	12,0	12,000	37	0,100	25	448-9060-3130
5/16 / 8	3,2	14,4	10,000	41	0,150	25	448-9080-3130
3/8 / 10	3,5	17,0	9,000	45	0,180	25	448-9100-3130
1/2 / 13	3,5	21,0	8,000	64	0,215	25	448-9130-3130
5/8 / 16	4,5	25,0	7,000	72	0,300	25	448-9160-3130
3/4 / 19	4,5	28,0	6,000	81	0,950	25	448-9190-3130
peroxide cured Colour red							
1/8 / 3	2,5	8,0	16,000	24	0,055	25	448-9030-0000
- / 4	2,5	9,0	15,000	33	0,065	25	448-9040-0000
- / 5	3,0	11,0	13,000	33	0,090	25	448-9050-0000
1/4 / 6	3,0	12,0	12,000	37	0,100	25	448-9060-0000
5/16 / 8	3,2	14,4	10,000	41	0,150	25	448-9080-0000
3/8 / 10	3,5	17,0	9,000	45	0,180	25	448-9100-0000
1/2 / 13	3,5	21,0	8,000	64	0,215	25	448-9130-0000
5/8 / 16	4,5	25,0	7,000	72	0,300	25	448-9160-0000
3/4 / 19	4,5	28,0	6,000	81	0,950	25	448-9190-0000

Delivery variants: further diameters and lengths available on request

Accessories: 208

NORFLEX® PTFE 407

**PTFE hose/ tubing**

Applications: flexible hose/ ducting for liquids and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; heating hose: interior hose for media transfer

Properties: highly flexible; food grade wall, complies with: FDA 21 CFR Part 177.1550; odourless and tasteless; anti-adhesive; microbe and hydrolysis resistant; good resistance to alkalis and acids; extremely good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -150°C to 200°C

Design, Material: NORFLEX® design; wall interior and exterior smooth; wall: PTFE

I.D.	Wall Thickness	O.D.	Over-pressure	Weight	Dimensions in Stock	Order No.
in / mm	mm	mm	bar	kg/m	m	
- / 2	1,0	4,0	15,000	0,009	50	407-9020-0000
1/8 / 3	1,0	5,0	15,000	0,013	50	407-9030-0000
- / 4	1,0	6,0	10,000	0,017	50	407-9040-0000
1/4 / 6	1,0	8,0	10,000	0,022	50	407-9060-0000
5/16 / 8	1,0	10,0	5,000	0,028	50	407-9080-0000
3/8 / 10	1,0	12,0	5,000	0,035	50	407-9100-0000
- / 12	1,0	14,0	5,000	0,041	50	407-9120-0000
- / 14	1,0	16,0	5,000	0,047	50	407-9140-0000

Delivery variants: further diameters and lengths available on request; transparent (standard)

Accessories: 208



Accessories, hose clamps, connecting elements

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CLAMP 212

**Bridge clamp for attaching externally corrugated spiral hoses**

Properties: practically leak-proof and secure clamping with special bridge geometry; easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W2; clamp strip: stainless steel 1.4301 = AISI 304; screw: galvanised steel; Body: stainless steel 1.4016 = AISI 430; bridge: stainless steel 1.4301 = AISI 304 (INOX)

Delivery variants: further diameters available on request

Suitable for Hose I.D.	Clamping Range	Band Width	Order No.
mm	mm	mm	
AIRDUC® & PROTAPE® ≤ 44 mm			
25-29	22-37	9	212-0022-0000
32-37	29-47	9	212-0029-0000
38-44	35-55	9	212-0035-0000
CP Ø 38-65 mm, PROTAPE® TPE 326 MEMORY Ø 51-65mm			
38-45	35-55	9	212-0035-2002
45-50	40-60	9	212-0040-2002
50-55	45-65	9	212-0045-2002
60-65	55-75	9	212-0055-2002
AIRDUC® & PROTAPE® ≥ 45 mm, CP & PROTAPE® TPE 326 MEMORY ≥ 70 mm			
45-50	40-60	9	212-0040-0000
50-55	45-65	9	212-0045-0000
60-65	55-75	9	212-0055-0000
210-215	205-225	12	212-0205-0000
230-235	225-245	12	212-0225-0000
240-245	235-255	12	212-0235-0000
260-265	255-275	12	212-0255-0000
270-275	265-285	12	212-0265-0000
285-290	280-300	12	212-0280-0000
290-295	285-305	12	212-0285-0000
310-315	305-325	12	212-0305-0000
330-335	325-345	12	212-0325-0000
340-345	335-355	12	212-0335-0000
360-365	355-375	12	212-0355-0000
370-375	365-385	12	212-0365-0000
390-395	385-405	12	212-0385-0000
410-415	405-425	12	212-0405-0000
430-435	425-445	12	212-0425-0000
470-475	465-485	12	212-0465-0000
485-490	480-500	12	212-0480-0000
500-505	495-515	12	212-0495-0000
510-535	505-545	12	212-0505-0000
520-545	515-555	12	212-0515-0000
550-575	545-585	12	212-0545-0000
580-605	575-615	12	212-0575-0000
600-625	595-635	12	212-0595-0000
630-655	625-665	12	212-0625-0000
650-675	645-685	12	212-0645-0000
675-700	670-710	12	212-0670-0000
700-725	695-735	12	212-0695-0000
730-755	725-765	12	212-0725-0000
750-775	745-785	12	212-0745-0000
800-825	795-835	12	212-0795-0000
825-850	820-860	12	212-0820-0000
850-875	845-885	12	212-0845-0000
880-905	875-915	12	212-0875-0000
900-925	895-935	12	212-0895-0000
925-950	920-960	12	212-0920-0000
950-975	945-985	12	212-0945-0000
975-1000	970-1010	12	212-0970-0000
990-1015	985-1025	12	212-0985-0000
1050-1075	1045-1085	12	212-1045-0000
1080-1125	1075-1135	12	212-1075-0000

Accessories: 228, 270-271

CLAMP 216



Hose Clamp for watertight attachment of heavy, externally corrugated spiral hoses

Properties: leak-proof and firmly clamping with special spiral geometry; easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W2; clamp strip: stainless steel 1.4016 = AISI 430; clamp wire: stainless steel 1.4310 = AISI 301 (INOX); screw: chromated steel; Body: stainless steel 1.4016 = AISI 430

Suitable for Hose I.D.	Order No.
mm	
Sealing clamp for AIRDUC® 345, 355, hoses with an inner Ø of <50 mm	
38	216-0038-2872
Sealing clamp for AIRDUC® 356 hoses with an inner Ø of <50 mm	
32	216-0032-2010
45	216-0045-2010
Sealing clamp for AIRDUC® 345, 355, 356 hoses with an inner Ø of ≥50 mm	
55	216-0055-0000
70	216-0070-0000
80	216-0080-0000
90	216-0090-0000
275	216-0275-0000
300	216-0300-0000

Delivery variants: further diameters available on request

Accessories: 228, 270-271

CLAMP 208



Hose clamp for attachment of light-duty hoses with a smooth outer wall

Properties: easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W1; Clamp strip: galvanised steel; screw: galvanised steel; Body: galvanised steel;
Quality: W2; Clamp strip: stainless steel 1.4016 = AISI 430; screw: galvanised steel; Body: stainless steel 1.4016 = AISI 430;
Quality: W4; Clamp strip: stainless steel 1.4301 = AISI 304; screw: stainless steel 1.4301 = AISI 304; Body: stainless steel 1.4301 = AISI 304

Suitable for Hose I.D.	Clamping Range	Band Width	PU	Order No.
mm	mm	mm	Pcs	
Material W1				
8-9	8-12	9	1	208-0008-0000
70-79	70-90	9	1	208-0070-0000
190-199	190-210	9	1	208-0190-0000
210-219	210-230	12	1	208-0210-0000
230-239	230-250	12	1	208-0230-0000
240-249	240-260	12	1	208-0240-0000
260-269	260-280	12	1	208-0260-0000
270-279	270-290	12	1	208-0270-0000
290-299	290-310	12	1	208-0290-0000
310-319	310-330	12	1	208-0310-0000
330-339	330-350	12	1	208-0330-0000
340-349	340-360	12	1	208-0340-0000
350-359	350-370	12	1	208-0350-0000
360-369	360-380	12	1	208-0360-0000
370-379	370-390	12	1	208-0370-0000
380-389	380-400	12	1	208-0380-0000
420-429	420-440	12	1	208-0420-0000
440-449	440-460	12	1	208-0440-0000
460-469	460-480	12	1	208-0460-0000
480-489	480-500	12	1	208-0480-0000

Delivery variants: further diameters available on request

Accessories: 228, 223, 270-271

CLAMP 211



T-bolt clamp for attaching heavy-duty hoses with a smooth outer wall

Properties: easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W1; Clamp strip: galvanised steel; screw: galvanised steel;
Quality: W2; Clamp strip: stainless steel 1.4016 = AISI 430; screw: galvanised steel;
Quality: W4; Clamp strip: stainless steel 1.4301 = AISI 304; screw: stainless steel 1.4301 = AISI 304

Clamping Range	Band Width	PU	Order No.
mm	mm	Pcs	
Material W1			
20-22	18	1	211-0023-0000
26-28	18	1	211-0029-0000
40-43	18	1	211-0043-0000
56-59	20	1	211-0059-0000
60-63	20	1	211-0063-0000
86-91	25	1	211-0091-0000
92-97	25	1	211-0097-0000
104-112	25	1	211-0112-0000
214-226	30	1	211-0226-0000
Material W2			
162-174	30	1	211-0174-9200
Material W4			
104-112	25	1	211-0112-9230

Delivery variants: further diameters available on request

Accessories: 270-271

CLAMP 212 EC



Bridge Clamp with integral grounding connection via screw-pin and wire for attaching externally corrugated spiral hoses

Properties: grounding without exposing spiral and without damaging hose; practically leak-proof and secure clamping with special bridge geometry; easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W2; Clamp strip: stainless steel 1.4016 = AISI 430; screw: galvanised steel; Body: stainless steel 1.4016 = AISI 430; bridge: stainless steel 1.4301 = AISI 304 (INOX); earthing screw: stainless steel (INOX)

Suitable for Hose I.D.	Clamping Range	Band Width	Order No.
mm	mm	mm	
Clamp with earthing wire			
120-127	115-135	9	212-0115-2878
150-155	145-165	9	212-0145-2878
170-175	165-185	9	212-0165-2878
190-195	185-205	9	212-0185-2878
250-255	245-265	12	212-0245-2878
270-275	265-285	12	212-0265-2878
320-325	315-335	12	212-0315-2878
380-385	375-395	12	212-0375-2878
450-455	445-465	12	212-0445-2878
500-505	495-515	12	212-0495-2878

Delivery variants: further diameters available on request

Accessories: 270-271

CLAMP 217



Suitable for Hose I.D.	Clamping Range	Band Width	Order No.
mm	mm	mm	
120-127	115-135	9	217-0115-0000
130-135	125-145	9	217-0125-0000
160-165	155-175	9	217-0155-0000
250-255	245-265	12	217-0245-0000
350-355	345-365	12	217-0345-0000
400-405	395-415	12	217-0395-0000
450-455	445-465	12	217-0445-0000
500-505	495-515	12	217-0495-0000

Delivery variants: further diameters available on request

Bridge clamp with eyelet for attaching externally corrugated spiral hoses

Accessories: 270-271

Properties: practically leak-proof and secure clamping with special bridge geometry; easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W2; Clamp strip: stainless steel 1.4016 = AISI 430; screw: galvanised steel; Body: stainless steel 1.4016 = AISI 430; bridge: stainless steel 1.4301 = AISI 304 (INOX); fixing eyelet: galvanised steel

CLAMP 213



Suitable for Hose I.D.	Band Width	Order No.
mm	mm	
100	9	213-0100-0000
120	9	213-0120-0000
140	9	213-0140-0000
180	9	213-0180-0000

Delivery variants: further diameters available on request

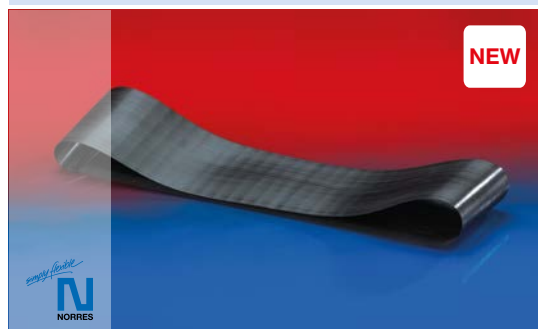
Accessories: 270-271

Bridge Clamp with quick-release closure for attaching externally corrugated spiral hoses

Properties: practically leak-proof and secure clamping with special bridge geometry; easily and quickly fitted; re-usable; conforms to RoHS guideline

Design, Material: Quality: W2; Clamp strip: stainless steel 1.4016 = AISI 430; closure: stainless steel (INOX); bridge: stainless steel 1.4301 = AISI 304

CONNECT 228

**Elastic clamp protection tape**

Properties: easily and quickly fitted; re-usable; highly abrasion resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

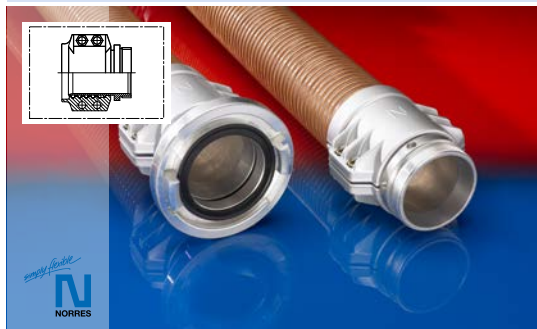
Design, Material: wall: polyurethane

Suitable for Hose I.D.	Order No.
mm	
1,5 / 38	228-0038-0000
2 / 50-51	228-0050-0000
2,36 / 60	228-0060-0000
2,5 / 63-65	228-0063-0000
3 / 75-76	228-0075-0000
3,5 / 89-90	228-0090-0000
4 / 100-102	228-0100-0000
4,5 / 114-115	228-0115-0000
5 / 125-127	228-0125-0000
6 / 150-152	228-0150-0000
6,3 / 160	228-0160-0000
6,5 / 165	228-0165-0000
7 / 178-180	228-0180-0000
8 / 200-203	228-0200-0000

Delivery variants: further diameters available on request; black (standard); special colours: full coloured

Accessories: 212, 216, 208, 270-271

CONNECT 230

**Special safety clamp coupling system for silos and dry-bulk transporters with couplers: Storz, Threaded connection, etc.**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: special threaded profile of the clamp shells matches the outer hose contour; easily and quickly fitted; re-usable; vibration resistant; thread reference DIN ISO 228; conforms to RoHS guideline

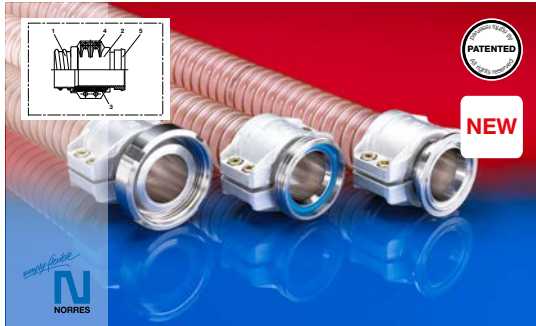
Temperature Range: -40°C to 90°C; short time to 125°C

Size	Lug Spacing	Thread	Suitable for hose	Weight	Order No.
mm	mm			kg/Pcs	
Assembly with earthing of the spring steel wire at the adapters; (please select the hose, adapter and the clamp shells separately)					
75	-	-	356-0075-5100	-	230-0075-0000
100	-	-	356-0100-5100	-	230-0100-0000
Threaded adapter, aluminium					
75	-	G 3	356-0075-5100	1,720	230-0075-2930
100	-	G 4	356-0100-5100	2,150	230-0100-2930
Threaded adapter, electro-galvanised steel					
75	-	G 3	356-0075-5100	2,620	230-0075-2940
100	-	G 4	356-0100-5100	3,200	230-0100-2940
Threaded adapter stainless steel 1.4301 (stamped) = AISI 304					
75	-	G 3	356-0075-5100	2,620	230-0075-2950
100	-	G 4	356-0100-5100	3,200	230-0100-2950
Threaded adapter stainless steel 1.4404 (stamped) = AISI 316L					
75	-	G 3	356-0075-5100	2,620	230-0075-2960
100	-	G 4	356-0100-5100	3,200	230-0100-2960
Clamp system (Clamp shells, screws and nuts)					
75	-	-	356-0075-5100	1,000	230-0075-8304
100	-	-	356-0100-5100	1,150	230-0100-8304
Storz coupling, aluminium					
75	89	-	356-0075-5100	2,000	230-0075-2935
100	133	-	356-0100-5100	3,000	230-0100-2935

Design, Material: clamp shells: aluminium; screw and nut: galvanised steel gunmetal finish; Adapter: material acc. to table

Delivery variants: further diameters available on request

CONNECT SAFETY CLAMP ASSEMBLY 231



Universal safety clamp coupling system incl. assembly if appropriate

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: special threaded sealing insert matches the outer hose contour; easily and quickly fitted; re-usable; vibration resistant; Food grade sealing insert, complies with: FDA 21 CFR 177.2600 and 178.2010, EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

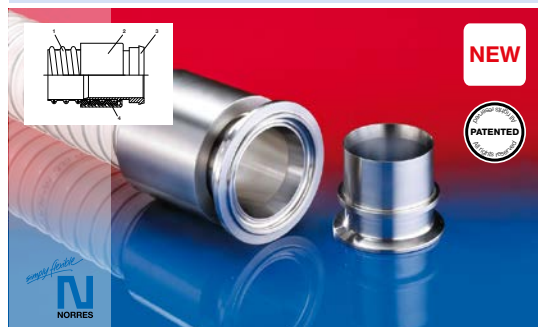
Design, Material: AIRDUC® profile hose; patented coupling system; clamp shells: aluminium; sealing insert: special premium ether-polyurethane (Pre-PUR®); screw and nut: galvanised steel gunmetal finish; Adapter: available as an option

Size	Suitable for Hose I.D.	PU	Order No.
mm	mm	Pcs	
Assembly with earthing of the spring steel wire at the adapters; (please select the hose, adapter and the connecting system separately)			
25	ø 25	1	231-0025-0000
32	ø 32	1	231-0032-0000
38	ø 38	1	231-0038-0000
40	ø 40	1	231-0040-0000
50	ø 50	1	231-0050-0000
65	ø 65	1	231-0065-0000
75	ø 75	1	231-0075-0000
80	ø 80	1	231-0080-0000
100	ø 100	1	231-0100-0000
Clamp system (Clamp shells, sealing insert, screws and nuts)			
25	355 ø 25	1	231-0025-2970
32	355 ø 32	1	231-0032-2970
32	356 ø 32	1	231-0032-2971
38	355 ø 38	1	231-0038-2970
38	356 ø 38	1	231-0038-2971
40	355 ø 40	1	231-0040-2970
40	356 ø 40	1	231-0040-2971
50	355 ø 50	1	231-0050-2970
50	356 ø 50	1	231-0050-2971
65	355 ø 65	1	231-0065-2970
65	356 ø 65	1	231-0065-2971
75	355 ø 75	1	231-0075-2970
75	356 ø 75	1	231-0075-2971
80	355 ø 80	1	231-0080-2970
80	356 ø 80	1	231-0080-2971
100	355 ø 100	1	231-0100-2970
100	356 ø 100	1	231-0100-2971
Spare Part Sealing Insert			
25	355 ø 25	1	231-0025-2921
32	355 ø 32	1	231-0032-2921
32	356 ø 32	1	231-0032-2922
38	355 ø 38	1	231-0038-2921
38	356 ø 38	1	231-0038-2922
40	355 ø 40	1	231-0040-2921
40	356 ø 40	1	231-0040-2922
50	355 ø 50	1	231-0050-2921
50	356 ø 50	1	231-0050-2922
65	355 ø 65	1	231-0065-2921
65	356 ø 65	1	231-0065-2922
75	355 ø 75	1	231-0075-2921
75	356 ø 75	1	231-0075-2922
80	355 ø 80	1	231-0080-2921
80	356 ø 80	1	231-0080-2922
100	355 ø 100	1	231-0100-2921
100	356 ø 100	1	231-0100-2922

Delivery variants: further diameters available on request

Accessories: 234, 245, 247, 249

CONNECT PRESS ASSEMBLY 232

**Crimped coupling system incl. assembly**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: special threaded sealing insert matches the outer hose contour; vibration resistant; Food grade sealing insert, complies with: FDA 21 CFR 177.2600 and 178.2010, EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: patented coupling system; AIRDUC® profile hose; pressing sleeve: stainless steel 1.4404 = AISI 316L; Adapter: available as an option; sealing insert: special premium ether-polyurethane (Pre-PUR®)

Size mm	Suitable for Hose I.D. mm	Order No.
Assembly: pressing; spring steel wire at the adapters; (please select the hose, adapter and the connecting system separately)		
25	ø 25	232-0025-0000
32	ø 32	232-0032-0000
38	ø 38	232-0038-0000
40	ø 40	232-0040-0000
50	ø 50	232-0050-0000
65	ø 65	232-0065-0000
75	ø 75	232-0075-0000
80	ø 80	232-0080-0000
100	ø 100	232-0100-0000
Clamp system (pressed sleeves, sealing insert); pressing sleeve: aluminium		
25	355 ø 25	232-0025-2976
32	355 ø 32	232-0032-2976
32	356 ø 32	232-0032-2977
38	355 ø 38	232-0038-2976
38	356 ø 38	232-0038-2977
40	355 ø 40	232-0040-2976
40	356 ø 40	232-0040-2977
50	355 ø 50	232-0050-2976
50	356 ø 50	232-0050-2977
65	355 ø 65	232-0065-2976
65	356 ø 65	232-0065-2977
75	355 ø 75	232-0075-2976
75	356 ø 75	232-0075-2977
80	355 ø 80	232-0080-2976
80	356 ø 80	232-0080-2977
100	355 ø 100	232-0100-2976
100	356 ø 100	232-0100-2977
Clamp system (pressed sleeves, sealing insert); pressing sleeve: stainless steel 1.4404 (stamped) = AISI 316L		
25	355 ø 25	232-0025-2972
32	355 ø 32	232-0032-2972
32	356 ø 32	232-0032-2973
38	355 ø 38	232-0038-2972
38	356 ø 38	232-0038-2973
40	355 ø 40	232-0040-2972
40	356 ø 40	232-0040-2973
50	355 ø 50	232-0050-2972
50	356 ø 50	232-0050-2973
65	355 ø 65	232-0065-2972
65	356 ø 65	232-0065-2973
75	355 ø 75	232-0075-2972
75	356 ø 75	232-0075-2973
80	355 ø 80	232-0080-2972
80	356 ø 80	232-0080-2973
100	355 ø 100	232-0100-2972
100	356 ø 100	232-0100-2973

Delivery variants: further diameters available on request

Accessories: 234, 245, 247, 249

CONNECT MOULD ASSEMBLY 233

**Potted coupling system incl. assembly**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: vibration resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

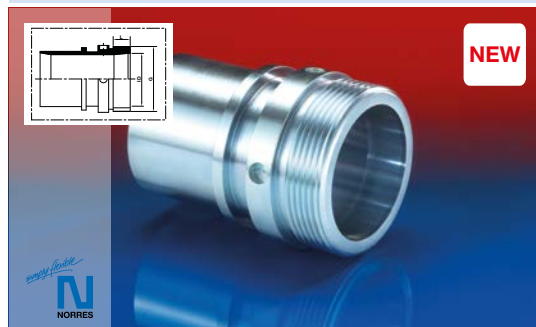
Design, Material: AIRDUC® profile hose; wall: special premium ether-polyurethane (Pre-PUR®); Adapter: available as an option

Size	Weight	Suitable for Hose I.D.	Order No.
mm	kg/Pcs	mm	
Assembly: casting; Casting material white food-grade; spring steel wire at the adapters; (please select the hose and the adapter separately)			
25	0,060	ø 25	233-0025-0000
32	0,070	ø 32	233-0032-0000
38	0,100	ø 38	233-0038-0000
40	0,110	ø 40	233-0040-0000
50	0,155	ø 50	233-0050-0000
65	0,220	ø 65	233-0065-0000
75	0,320	ø 75	233-0075-0000
80	0,400	ø 80	233-0080-0000
100	0,700	ø 100	233-0100-0000
Assembly: casting; Casting material white food-grade; without earthing; (please select the hose and the adapter separately)			
25	0,060	ø 25	233-0025-2901
32	0,070	ø 32	233-0032-2901
38	0,100	ø 38	233-0038-2901
40	0,110	ø 40	233-0040-2901
50	0,155	ø 50	233-0050-2901
65	0,220	ø 65	233-0065-2901
75	0,320	ø 75	233-0075-2901
80	0,400	ø 80	233-0080-2901
100	0,700	ø 100	233-0100-2901
Assembly: casting; Casting material black without food suitability; spring steel wire at the adapters; (please select the hose and the adapter separately)			
25	0,060	ø 25	233-0025-2902
32	0,070	ø 32	233-0032-2902
38	0,100	ø 38	233-0038-2902
40	0,110	ø 40	233-0040-2902
50	0,155	ø 50	233-0050-2902
65	0,220	ø 65	233-0065-2902
75	0,320	ø 75	233-0075-2902
80	0,400	ø 80	233-0080-2902
100	0,700	ø 100	233-0100-2902
Assembly: casting; without earthing; Casting material black without food suitability; (please select the hose and the adapter separately)			
25	0,060	ø 25	233-0025-2903
32	0,070	ø 32	233-0032-2903
38	0,100	ø 38	233-0038-2903
40	0,110	ø 40	233-0040-2903
50	0,155	ø 50	233-0050-2903
65	0,220	ø 65	233-0065-2903
75	0,320	ø 75	233-0075-2903
80	0,400	ø 80	233-0080-2903
100	0,700	ø 100	233-0100-2903

Delivery variants: further diameters available on request

Accessories: 234, 245, 247, 249

CONNECT THREAD FITTING 234

**Threaded adapter**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: thread reference DIN ISO 228; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Size	Thread	Weight	Suitable for Hose I.D.	Order No.
mm		kg/Pcs	mm	
Thread adapter DIN ISO 228; aluminium; (please select the hose and the assembly separately)				
25	G1	0,120	ø 25	234-0025-2917
32	G1 1/4	0,160	ø 32	234-0032-2917
38	G1 1/2	0,180	ø 38	234-0038-2917
40	G1 1/2	0,210	ø 40	234-0040-2917
50	G2	0,290	ø 50	234-0050-2917
65	G2 1/2	0,310	ø 65	234-0065-2917
75	G3	0,400	ø 75	234-0075-2917
80	G3	0,480	ø 80	234-0080-2917
100	G4	0,700	ø 100	234-0100-2917
Thread adapter DIN ISO 228; electro-galvanised steel; (please select the hose and the assembly separately)				
25	G1	0,360	ø 25	234-0025-2918
32	G1 1/4	0,450	ø 32	234-0032-2918
38	G1 1/2	0,520	ø 38	234-0038-2918
40	G1 1/2	0,610	ø 40	234-0040-2918
50	G2	0,850	ø 50	234-0050-2918
65	G2 1/2	0,896	ø 65	234-0065-2918
75	G3	1,000	ø 75	234-0075-2918
80	G3	1,400	ø 80	234-0080-2918
100	G4	2,030	ø 100	234-0100-2918
Thread adapter DIN ISO 228; stainless steel 1.4301 (stamped) = AISI 304; (please select the hose and the assembly separately)				
25	G1	0,360	ø 25	234-0025-2919
32	G1 1/4	0,450	ø 32	234-0032-2919
38	G1 1/2	0,520	ø 38	234-0038-2919
40	G1 1/2	0,610	ø 40	234-0040-2919
50	G2	0,850	ø 50	234-0050-2919
65	G2 1/2	0,896	ø 65	234-0065-2919
75	G3	1,000	ø 75	234-0075-2919
80	G3	1,400	ø 80	234-0080-2919
100	G4	2,030	ø 100	234-0100-2919
Thread adapter DIN ISO 228; stainless steel 1.4401 (stamped) = AISI 316L; (please select the hose and the assembly separately)				
25	G1	0,360	ø 25	234-0025-2920
32	G1 1/4	0,450	ø 32	234-0032-2920
38	G1 1/2	0,520	ø 38	234-0038-2920
40	G1 1/2	0,610	ø 40	234-0040-2920
50	G2	0,850	ø 50	234-0050-2920
65	G2 1/2	0,896	ø 65	234-0065-2920
75	G3	1,000	ø 75	234-0075-2920
80	G3	1,400	ø 80	234-0080-2920
100	G4	2,030	ø 100	234-0100-2920

Delivery variants: further diameters available on request; gas and liquid tight as pre-fitted version

Accessories: 231, 232, 233

CONNECT TRI-CLAMP FITTING 245

**TRI clamp adapters based on DIN 32676 and ISO 2853**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: fitting: stainless steel 1.4404 (stamped) = AISI 316L; matching accessories: seal (silicone white, FDA), adapter (stainless steel 1.4404, stamped), clamp (stainless steel)

Size mm	Nominal width tube inch	Outer-Ø Flange mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Adapter TRI-CLAMP DIN 32676; stainless steel 1.4401 (stamped) = AISI 316L; (please select the hose and the assembly separately)					
25	-	50,5	0,090	ø 25	245-0025-2914
32	-	50,5	0,090	ø 32	245-0032-2914
40	-	50,5	0,080	ø 40	245-0040-2914
50	-	64,0	0,160	ø 50	245-0050-2914
65	-	91,0	0,180	ø 65	245-0065-2914
80	-	106,0	0,380	ø 80	245-0080-2914
100	-	119,0	0,420	ø 100	245-0100-2914
Adapter TRI-CLAMP ISO 2852; stainless steel 1.4401 (stamped) = AISI 316L; (please select the hose and the assembly separately)					
-	1"	50,5	0,090	ø 25	245-0025-2923
-	1 1/2"	50,5	0,110	ø 40	245-0040-2923
-	2"	64,0	0,160	ø 50	245-0050-2923
-	2 1/2"	77,5	0,170	ø 65	245-0065-2923
-	3"	91,0	0,350	ø 75	245-0075-2923
-	4"	119,0	0,420	ø 100	245-0100-2923
Matching accessories; seal DIN 32676; Silicone, white					
25	-	50,5	-	ø 25	245-0025-8912
32	-	50,5	-	ø 32	245-0032-8912
40	-	50,5	-	ø 40	245-0040-8912
50	-	64,0	-	ø 50	245-0050-8912
65	-	91,0	-	ø 65	245-0065-8912
80	-	106,0	-	ø 80	245-0080-8912
100	-	119,0	-	ø 100	245-0100-8912
Matching accessories; seal ISO 2852; Silicone, white					
-	1"	50,5	-	ø 25	245-0025-8916
-	1 1/2"	50,5	-	ø 40	245-0040-8916
-	2"	64,0	-	ø 50	245-0050-8916
-	2 1/2"	77,5	-	ø 65	245-0065-8916
-	3"	91,0	-	ø 75	245-0075-8916
-	4"	119,0	-	ø 100	245-0100-8916
Matching accessories; Clamp; stainless steel					
-	-	50,5	-	-	245-0025-8914
-	-	64,0	-	-	245-0050-8914
-	-	77,5	-	-	245-0055-8914
-	-	91,0	-	-	245-0065-8914
-	-	106,0	-	-	245-0080-8914
-	-	119,0	-	-	245-0100-8914
Matching accessories; Adapter for welding on DIN 32676					
25	-	50,5	-	ø 25	245-0025-8913
32	-	50,5	-	ø 32	245-0032-8913
40	-	50,5	-	ø 40	245-0040-8913
50	-	64,0	-	ø 50	245-0050-8913
65	-	91,0	-	ø 65	245-0065-8913
80	-	106,0	-	ø 80	245-0080-8913
100	-	119,0	-	ø 100	245-0100-8913
Matching accessories; Adapter for welding on ISO 2852					
-	1"	50,5	-	ø 25	245-0025-8917
-	1 1/2"	50,5	-	ø 40	245-0040-8917
-	2"	64,0	-	ø 50	245-0050-8917
-	2 1/2"	77,5	-	ø 65	245-0065-8917
-	3"	91,0	-	ø 75	245-0075-8917
-	4"	119,0	-	ø 100	245-0100-8917

Delivery variants: further diameters available on request; gas and liquid tight as pre-fitted version

Accessories: 231, 232, 233

CONNECT DAIRY FITTING 247

**Dairy tube support based on DIN 2826/11851**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: fitting: stainless steel 1.4301 (stamped) = AISI 304 or 1.4571 (stamped) = AISI 316Ti; Threaded adapter with light blue Nitrile Perbunan (NBR) seal, safe for food

Size	I.D. d1	Thread	Weight	Suitable for Hose I.D.	Order No.
mm	mm		kg/Pcs	mm	
tapered adapter DIN 2826/11851; stainless steel 1.4301 (stamped) = AISI 304; (please select the hose and the assembly separately)					
25	21,00	RD 52x1/6	0,360	ø 25	247-0025-2910
32	28,00	RD 58x1/6	0,440	ø 32	247-0032-2910
38	33,00	RD 65x1/6	0,510	ø 38	247-0038-2910
40	35,00	RD 65x1/6	0,600	ø 40	247-0040-2910
50	44,90	RD 78x1/6	0,840	ø 50	247-0050-2910
65	58,00	RD 95x1/6	1,470	ø 65	247-0065-2910
75	69,60	RD 110x1/4	1,750	Ø 75	247-0075-2910
80	73,00	RD 110x1/4	1,950	ø 80	247-0080-2910
100	93,50	RD 130x1/4	2,670	ø 100	247-0100-2910
Thread adapter DIN 2826/11851; stainless steel 1.4301 (stamped) = AISI 304; (please select the hose and the assembly separately)					
25	21,00	RD 52x1/6	0,270	ø 25	247-0025-2912
32	28,00	RD 58x1/6	0,310	ø 32	247-0032-2912
38	33,00	RD 65x1/6	0,350	ø 38	247-0038-2912
40	35,00	RD 65x1/6	0,380	ø 40	247-0040-2912
50	44,90	RD 78x1/6	0,500	ø 50	247-0050-2912
65	58,00	RD 95x1/6	0,850	ø 65	247-0065-2912
75	69,60	RD 110x1/4	0,960	Ø 75	247-0075-2912
80	73,00	RD 110x1/4	1,070	ø 80	247-0080-2912
100	93,50	RD 130x1/4	1,410	ø 100	247-0100-2912
tapered adapter DIN 2826/11851; stainless steel 1.4571 (stamped) = AISI 316Ti; (please select the hose and the assembly separately)					
25	21,00	RD 52x1/6	0,360	ø 25	247-0025-2911
32	28,00	RD 58x1/6	0,440	ø 32	247-0032-2911
38	33,00	RD 65x1/6	0,510	ø 38	247-0038-2911
40	35,00	RD 65x1/6	0,600	ø 40	247-0040-2911
50	44,90	RD 78x1/6	0,840	ø 50	247-0050-2911
65	58,00	RD 95x1/6	1,470	ø 65	247-0065-2911
75	69,60	RD 110x1/4	1,750	Ø 75	247-0075-2911
80	73,00	RD 110x1/4	1,940	ø 80	247-0080-2911
100	93,50	RD 130x1/4	2,670	ø 100	247-0100-2911
Thread adapter DIN 2826/11851; stainless steel 1.4571 (stamped) = AISI 316Ti; (please select the hose and the assembly separately)					
25	21,00	RD 52x1/6	0,270	ø 25	247-0025-2913
32	28,00	RD 58x1/6	0,310	ø 32	247-0032-2913
38	33,00	RD 65x1/6	0,350	ø 38	247-0038-2913
40	35,00	RD 65x1/6	0,380	ø 40	247-0040-2913
50	44,90	RD 78x1/6	0,500	ø 50	247-0050-2913
65	58,00	RD 95x1/6	0,850	ø 65	247-0065-2913
75	69,60	RD 110x1/4	0,960	Ø 75	247-0075-2913
80	73,00	RD 110x1/4	1,070	ø 80	247-0080-2913
100	93,50	RD 130x1/4	1,410	ø 100	247-0100-2913

Delivery variants: further diameters available on request; gas and liquid tight as pre-fitted version

Accessories: 231, 232, 233

CONNECT ASEPTIC FITTING 249

**Aseptic adapters based in DIN 11864-1 / DIN 11864-3**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: conforms to RoHS guideline

Temperature Range: -40°C to 90°C

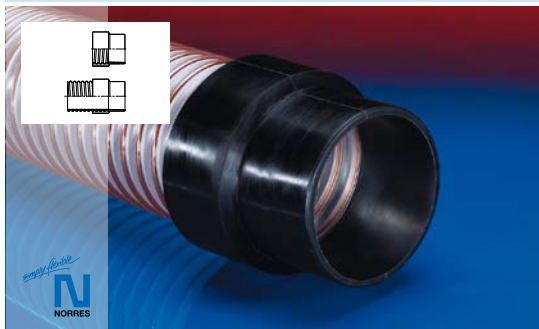
Design, Material: fitting: stainless steel 1.4404 (stamped) = AISI 316L

Size mm	Outer-Ø Flange mm	I.D. d1 mm	Thread	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Aseptic adapters DIN 11864-3 sealing form A clamp; stainless steel 1.4401 (stamped) = AISI 316L; (please select the hose and the assembly separately)						
25	50,50	26,00	-	0,150	ø 25	249-0025-2915
32	50,50	32,00	-	0,180	ø 32	249-0032-2915
40	64,00	38,00	-	0,190	ø 40	249-0040-2915
50	77,50	50,00	-	0,340	ø 50	249-0050-2915
65	91,00	66,00	-	0,400	ø 65	249-0065-2915
80	106,00	81,00	-	0,450	ø 80	249-0080-2915
100	130,00	100,00	-	0,330	ø 100	249-0100-2915
Aseptic adapters DIN 11864-1 sealing form A screwed/flange adapter; stainless steel 1.4401 (stamped) = AISI 316L; (please select the hose and the assembly separately)						
25	-	26,00	RD 52x1/6	0,360	ø 25	249-0025-2916
32	-	32,00	RD 58x1/6	0,440	ø 32	249-0032-2916
40	-	38,00	RD 65x1/6	0,360	ø 40	249-0040-2916
50	-	50,00	RD 78x1/6	0,440	ø 50	249-0050-2916
65	-	66,00	RD 95x1/6	1,380	ø 65	249-0065-2916
80	-	81,00	RD 110x1/4	1,900	ø 80	249-0080-2916
100	-	100,00	RD 130x1/4	2,610	ø 100	249-0100-2916

Delivery variants: further diameters available on request; gas and liquid tight as pre-fitted version

Accessories: 231, 232, 233

CONNECT 240 + 241

**Soft sleeve to slide onto connectors or push into pipes**

Applications: industrial vacuum cleaners, vacuum cleaners; municipal vehicle: sweeper, sweeping machine; municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector; scrubber, floor cleaning machine

Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

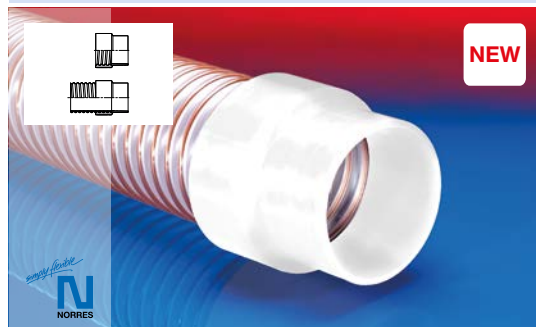
Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Rec. Adapter Ø mm	Rec. Adapter length mm	Threading depth Hose mm	Total Length mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
70	52	44	100	0,146	70	240-0070-0000
100	65	57	122	0,310	100	241-0100-8500
125	75	62	137	0,480	125	241-0125-8500
Threaded; Suitable for Hose 356						
60	49	41	90	0,120	60	241-0060-8501
80	60	52	112	0,250	80	241-0080-8501
125	75	62	137	0,480	125	241-0125-8501
200	100	80	180	1,100	200	241-0200-8501
pre-fitted						
38	44	40	85	0,070	38	241-0038-8551
40	44	40	85	0,080	40	241-0040-8551
50	49	41	90	0,080	50	241-0050-8551
60	49	41	90	0,120	60	241-0060-8551
70	52	44	100	0,150	70	241-0070-8551
75	60	47	107	0,200	75	241-0075-8551
80	60	52	112	0,250	80	241-0080-8551
100	65	57	122	0,310	100	241-0100-8551
125	75	62	137	0,480	125	241-0125-8551
150	85	70	155	0,680	150	241-0150-8551
200	100	80	180	1,100	200	241-0200-8551
250	105	90	195	1,500	250	241-0250-8551
300	115	100	215	2,260	300	241-0300-8551

Delivery variants: further diameters available on request; black (standard); special colours: full coloured; gas and liquid tight as pre-fitted version

CONNECT 240 + 241 FOOD



Soft sleeve to slide onto connectors or push into pipes, foodgrade

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; industrial vacuum cleaners, vacuum cleaners

Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Rec. Adapter Ø	Rec. Adapter length	Threading depth Hose	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
32	44	40	85	0,070	32	241-0032-8600
38	44	40	85	0,085	38	240-0038-0010
40	44	40	85	0,084	40	240-0040-0010
50	49	41	90	0,089	50	240-0050-0010
60	49	41	90	0,120	60	240-0060-0010
70	52	44	100	0,146	70	240-0070-0010
75	60	47	107	0,200	75	241-0075-8600
80	60	52	112	0,250	80	241-0080-8600
100	65	57	122	0,310	100	241-0100-8600
125	75	62	137	0,480	125	241-0125-8600
150	85	70	155	0,680	150	241-0150-8600
200	100	80	180	1,100	200	241-0200-8600
250	105	90	195	1,500	250	241-0250-8600
300	115	100	215	2,260	300	241-0300-8600
Threaded; Suitable for Hose 356						
38	44	40	85	0,070	38	241-0038-8601
40	44	40	85	0,080	40	241-0040-8601
50	49	41	90	0,080	50	241-0050-8601
60	49	41	90	0,120	60	241-0060-8601
70	52	44	100	0,150	70	241-0070-8601
75	60	47	107	0,200	75	241-0075-8601
80	60	52	112	0,250	80	241-0080-8601
100	65	57	122	0,310	100	241-0100-8601
125	75	62	137	0,480	125	241-0125-8601
150	85	70	155	0,680	150	241-0150-8601
200	100	80	180	1,100	200	241-0200-8601
250	105	90	195	1,500	250	241-0250-8601
300	115	100	215	2,260	300	241-0300-8601
pre-fitted						
32	44	40	85	0,070	32	241-0032-8550
38	44	40	85	0,070	38	241-0038-8550
40	44	40	85	0,080	40	241-0040-8550
50	49	41	90	0,080	50	241-0050-8550
60	49	41	90	0,120	60	241-0060-8550
70	52	44	100	0,150	70	241-0070-8550
75	60	47	107	0,200	75	241-0075-8550
80	60	52	112	0,250	80	241-0080-8550
100	65	57	122	0,310	100	241-0100-8550
125	75	62	137	0,480	125	241-0125-8550
150	85	70	155	0,680	150	241-0150-8550
200	100	80	180	1,100	200	241-0200-8550
250	105	90	195	1,500	250	241-0250-8550
300	115	100	215	2,260	300	241-0300-8550

Delivery variants: further diameters available on request; special colours: full coloured

CONNECT 240 EC



Rec. Adapter Ø	Rec. Adapter length	Threading depth Hose	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
50	49	41	90	0,103	50	240-0050-1003

Delivery variants: further diameters available on request; black (standard); special colours: full coloured

Soft sleeve to slide onto connectors or push into pipes, electrically conductive

Applications: industrial vacuum cleaners, vacuum cleaners

Properties: easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; electrically conductive wall: electrical and surface resistance $<10^3 \Omega$; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: Wall of EC version electrically conductive $<10^3 \Omega$; electrically conductive Premium Ester-Polyurethane (Pre-PUR®)

CONNECT 242



Thread G	Threading depth Hose	Thread Length	Total Length	Weight	Suitable for Hose I.D.	Order No.
	mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
2,25"	45	25,5	87	0,180	55	242-0055-8500
4,00"	51	35,8	108	0,450	100	242-0100-8500
Threaded; Suitable for Hose 356						
2,25"	45	25,5	87	0,180	55	242-0055-8501
4,00"	51	35,8	108	0,450	100	242-0100-8501
5,00"	58	40,0	122	0,800	125	242-0125-8501
pre-fitted; (please select the hose separately)						
2,00"	45	23,8	86	0,150	50	242-0050-8551
2,25"	45	25,5	87	0,180	55	242-0055-8551
2,50"	45	26,5	89	0,220	65	242-0065-8551
3,00"	47	29,8	97	0,280	75	242-0075-8551
4,00"	51	35,8	108	0,450	100	242-0100-8551
5,00"	58	40,0	122	0,800	125	242-0125-8551
6,00"	68	40,0	132	1,000	150	242-0150-8551

Threaded adapter

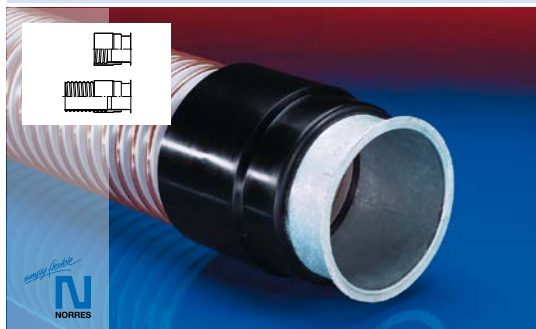
Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; thread reference DIN ISO 228; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters available on request; black (standard); special colours: full coloured; gas and liquid tight as pre-fitted version

CONNECT 243



Flanged pipe according to the popular pipe systems in the ventilation field (for example Jacob-Standard)

Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

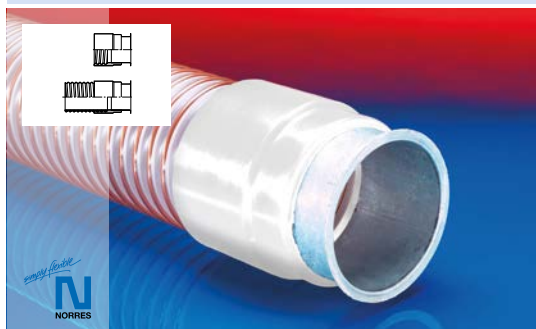
Temperature Range: -40°C to 90°C

Design, Material: flanged pipe: galvanised sheet metal; wall: special premium ether-polyurethane (Pre-PUR®)

Suitable for Ø-Pipe System mm	Threading depth Hose mm	Total Length mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345					
250	90	180	2,700	250	243-0250-8500
Threaded; Suitable for Hose 356					
80	46	136	0,380	80	243-0080-8501
100	51	141	0,580	100	243-0100-8501
300	100	190	3,340	300	243-0300-8501
pre-fitted					
80	46	136	0,380	80	243-0080-8551
100	51	141	0,580	100	243-0100-8551
120	58	148	0,870	120	243-0120-8551
150	68	158	1,100	150	243-0150-8551
200	80	170	1,810	200	243-0200-8551
250	90	180	2,700	250	243-0250-8551
300	100	190	3,340	300	243-0300-8551

Delivery variants: further diameters available on request; black (standard); special colours: full coloured; Stainless Steel (INOX); gas and liquid tight as pre-fitted version

CONNECT 243 FOOD



Flanged pipe according to the popular pipe systems in the ventilation field (for example Jacob-Standard), food-grade

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

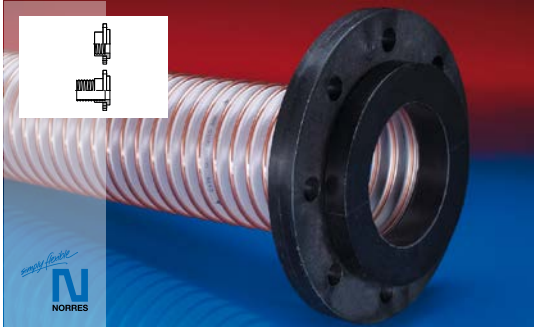
Temperature Range: -40°C to 90°C

Design, Material: flanged pipe: Stainless Steel (INOX); wall: special premium ether-polyurethane (Pre-PUR®)

Suitable for Ø-Pipe System mm	Threading depth Hose mm	Total Length mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345					
80	46	136	0,380	80	243-0080-8610
100	51	141	0,580	100	243-0100-8610
120	58	148	0,870	120	243-0120-8610
150	68	158	1,100	150	243-0150-8610
200	80	170	1,810	200	243-0200-8610
250	90	180	2,700	250	243-0250-8610
300	100	190	3,340	300	243-0300-8610
Threaded; Suitable for Hose 356					
80	46	136	0,380	80	243-0080-8509
100	51	141	0,580	100	243-0100-8509
120	58	148	0,870	120	243-0120-8509
150	68	158	1,100	150	243-0150-8509
200	80	170	1,810	200	243-0200-8509
250	90	180	2,700	250	243-0250-8509
300	100	190	3,340	300	243-0300-8509
pre-fitted					
80	46	136	0,380	80	243-0080-8559
100	51	141	0,580	100	243-0100-8559
120	58	148	0,870	120	243-0120-8559
150	68	158	1,100	150	243-0150-8559
200	80	170	1,810	200	243-0200-8559
250	90	180	2,700	250	243-0250-8559
300	100	190	3,340	300	243-0300-8559

Delivery variants: further diameters available on request; special colours: full coloured

CONNECT 244



2-part loose flange to fit mating flanges acc. to DIN 2632/2633, hole pattern DIN-EN 1092-1 (PN10, up to 16 bar – ø450 up to 10 bar)

Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

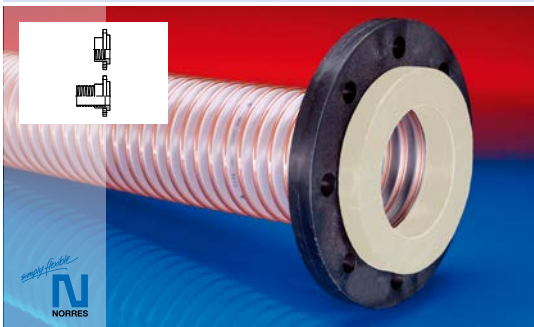
Temperature Range: -40°C to 90°C

Design, Material: loose flange: polypropylene (PP) coated steel core; wall: special premium ether-polyurethane (Pre-PUR®)

Suitable for Ø-Pipe System mm	Fixing Holes Ø mm	No. and Dia. Fixing Holes	Total Length mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
151,0	240	8x22	114	4,320	150	244-0150-8500
254,4	350	12x22	145	9,750	250	244-0250-8500
Threaded; Suitable for Hose 356						
100,8	180	8x18	84	2,030	100	244-0100-8501
126,0	210	8x18	100	3,190	125	244-0125-8501
Threaded; Suitable for Hose 357						
151,0	240	8x22	114	4,320	152	244-0152-8502
pre-fitted; (please select the hose separately)						
51,2	125	4x18	66	1,110	50	244-0050-8551
82,5	160	8x18	76	1,740	80	244-0080-8551
100,8	180	8x18	84	2,030	100	244-0100-8551
126,0	210	8x18	100	3,190	125	244-0125-8551
151,0	240	8x22	114	4,320	150	244-0150-8551
207,3	295	8x22	132	6,380	200	244-0200-8551
254,4	350	12x22	145	9,750	250	244-0250-8551
309,7	400	12x22	155	13,040	300	244-0300-8551

Delivery variants: further diameters available on request; special colours: full coloured; gas and liquid tight as pre-fitted version

CONNECT 244 FOOD



2-part loose flange to fit mating flanges acc. to DIN 2632/2633, hole pattern DIN-EN 1092-1 (PN10, up to 16 bar – ø450 up to 10 bar), food safe

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: easily and quickly fitted; re-usable (threaded version); gas and liquid tight as pre-fitted version; highly abrasion resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Suitable for Ø-Pipe System mm	Fixing Holes Ø mm	No. and Dia. Fixing Holes	Total Length mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Threaded; Suitable for Hose 356						
126,0	210	8x18	100	3,190	125	244-0125-8601
151,0	240	8x22	114	4,320	150	244-0150-8601
pre-fitted; (please select the hose separately)						
51,2	125	4x18	66	1,110	50	244-0050-8550
82,5	160	8x18	76	1,740	80	244-0080-8550
100,8	180	8x18	84	2,030	100	244-0100-8550
126,0	210	8x18	100	3,190	125	244-0125-8550
151,0	240	8x22	114	4,320	150	244-0150-8550
207,3	295	8x22	132	6,380	200	244-0200-8550
254,4	350	12x22	145	9,750	250	244-0250-8550
309,7	400	12x22	155	13,040	300	244-0300-8550

Temperature Range: -40°C to 90°C

Design, Material: loose flange: polypropylene (PP) coated steel core; wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters available on request; special colours: full coloured

CONNECT 245 VAC-TRUCK

**Tapered flange coupling system to fit adapter acc. to DIN 3016-3**

Applications: suction excavator; municipal vehicle: sweeper, sweeping machine

Properties: easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline; When used vertically user must secure flange and hose with additional attachments

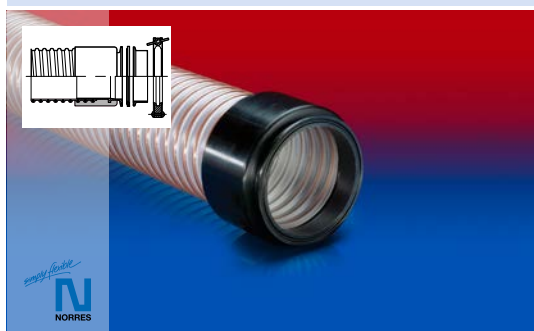
Temperature Range: -40°C to 90°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Size	Outer-Ø Flange	Total Length	Suitable for hose	Weight	single component	Order No.
mm	mm	mm		kg/Pcs		
Soft version, 85 Shore A approx.						
250	295	108	356-0250-0000	1,00	tapered flange, black, for screwing on	245-0250-8505
250	295	108	355-0254-5202	1,00	tapered flange, black, for screwing on	245-0250-8508
pre-fitted, 85 Shore D approx.						
250	295	108	355-0254-5202; 355-0250-0000; 356-0250-0000; 355-0250-1001	1,00	tapered flange, black, moulded	245-0250-8554
250	295	108	355-0254-5202; 356-0250-0000	1,00	reinforced tapered flange, black, moulded	245-0250-8754
Reinforced version, 85 Shore D approx.						
250	295	108	356-0250-0000	1,00	reinforced tapered flange, black, for screwing on	245-0250-8701
250	295	108	355-0254-5202	1,00	reinforced tapered flange, black, for screwing on	245-0250-8707
Clamps						
250	-	-	-	1,240	Quick-Release clamp	245-0250-8911
250	-	-	-	1,50	reinforced Quick-Release clamp	245-0250-8755

Delivery variants: further diameters available on request; black (standard); special colours: full coloured; gas and liquid tight as pre-fitted version

CONNECT 245

**TRI-Clamp coupling to fit adapter acc. to DIN 32677**

Properties: easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters available on request; special colours: full coloured

Size	Outer-Ø Flange	Pipe I.D.	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
50	64,0	50	67,0	0,120	50	245-0050-8500
80	106,0	81	72,0	0,200	80	245-0080-8500
Threaded; Suitable for Hose 356						
32	50,5	32	60,0	0,060	32	245-0032-8501
38	50,5	38	65,0	0,070	38	245-0038-8501
50	64,0	50	67,0	0,120	50	245-0050-8501
65	91,0	66	67,0	0,180	65	245-0065-8501
80	106,0	81	72,0	0,200	80	245-0080-8501
100	119,0	100	77,0	0,330	100	245-0100-8501
125	155,0	125	91,0	0,480	125	245-0125-8501
150	183,0	150	102,0	0,670	150	245-0150-8501
200	233,5	200	112,5	0,960	200	245-0200-8501
pre-fitted; (please select the hose separately)						
32	50,5	32	60,0	0,060	32	245-0032-8554
38	50,5	38	65,0	0,070	38	245-0038-8554
50	64,0	50	67,0	0,120	50	245-0050-8554
65	91,0	66	67,0	0,180	65	245-0065-8554
80	106,0	81	72,0	0,200	80	245-0080-8554
100	119,0	100	77,0	0,330	100	245-0100-8554
125	155,0	125	91,0	0,480	125	245-0125-8554
150	183,0	150	102,0	0,670	150	245-0150-8554
200	233,5	200	112,5	0,960	200	245-0200-8554

Accessories: TRI-CLAMP 245

CONNECT 245 FOOD

**TRI-Clamp coupling to fit adapter acc. to DIN 32677, foodgrade**

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

Properties: easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C

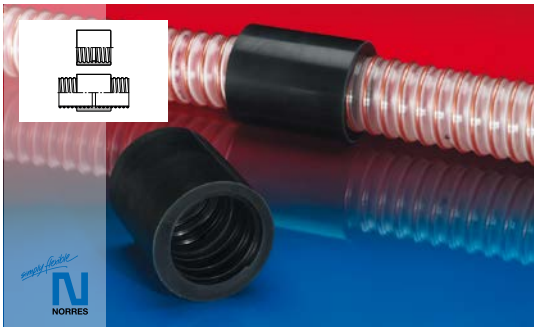
Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Size	Outer-Ø Flange	Pipe I.D.	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
50	64,0	50	67,0	0,120	50	245-0050-8600
80	106,0	81	72,0	0,200	80	245-0080-8600
100	119,0	100	77,0	0,330	100	245-0100-8600
Threaded; Suitable for Hose 356						
38	50,5	38	65,0	0,070	38	245-0038-8601
50	64,0	50	67,0	0,120	50	245-0050-8601
65	91,0	66	67,0	0,180	65	245-0065-8601
pre-fitted; (please select the hose separately)						
32	50,5	32	60,0	0,060	32	245-0032-8555
38	50,5	38	65,0	0,070	38	245-0038-8555
50	64,0	50	67,0	0,120	50	245-0050-8555
65	91,0	66	67,0	0,180	65	245-0065-8555
80	106,0	81	72,0	0,200	80	245-0080-8555
100	119,0	100	77,0	0,330	100	245-0100-8555
125	155,0	125	91,0	0,480	125	245-0125-8555
150	183,0	150	102,0	0,670	150	245-0150-8555
200	233,5	200	112,5	0,960	200	245-0200-8555

Delivery variants: further diameters available on request; special colours: full coloured

Accessories: TRI-CLAMP 245

CONNECT 246

**Spiral hose connector for connecting, lengthening or repairing spiral hoses**

Applications: industrial vacuum cleaners, vacuum cleaners

Properties: easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

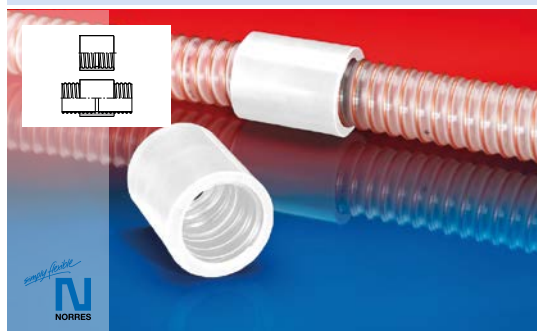
Size	Threading depth Hose	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345					
38	37	83	0,170	38	246-0038-8500
40	37	83	0,160	40	246-0040-8500
60	47	105	0,300	60	246-0060-8500
Threaded; Suitable for Hose 356					
32	32	71	0,150	32	246-0032-8501
100	57	127	0,650	100	246-0100-8501

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters available on request; special colours: full coloured

CONNECT 246 FOOD



Size	Threading depth Hose	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	kg/Pcs	mm	
Threaded; Suitable for Hose 356					
60	47	105	0,300	60	246-0060-8601

Properties: easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; conforms to RoHS guideline

Temperature Range: -40°C to 90°C; short time to 125°C

Design, Material: wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants: further diameters available on request; special colours: full coloured

Spiral hose connector for connecting, lengthening or repairing spiral hoses, foodgrade

Applications: food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; industrial vacuum cleaners, vacuum cleaners

CONNECT 223



Shrinking Range	Sleeve Length approx.	Suitable for Hose I.D.	PU	Order No.
mm	mm	mm	Pcs	
15-30	70	15-22	1	223-0038-0000
22-50	80	20-40	1	223-0050-0000
40-95	110	60-80	1	223-0095-0000
40-95	1000	60-80	1	223-0095-9001

Temperature Range: -40°C to 125°C

Design, Material: polyolefine

Delivery variants: further diameters available on request; black (standard)

Shrink sleeve for connecting one hose to another or to an adapter

Properties: adapts itself to any surface; easily and quickly fitted; conforms to RoHS guideline

Accessories: 208, 270-271

CONNECT 226



Rec. Adapter Ø	Rec. Adapter length	Threading depth Hose	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	mm	kg/Pcs	mm	
Suitable for hose 372-....0000						
32	50	45	100	0,060	32	226-0032-0000
63	50	45	100	0,130	63	226-0063-0000
76	45	45	100	0,170	76	226-0076-0000

Delivery variants: further diameters available on request; black (standard)

Soft sleeve for SuperFlex hoses

Applications: industrial vacuum cleaners, vacuum cleaners

Properties: easily and quickly fitted; re-usable (threaded version); good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: wall: high grade soft PVC

CONNECT 227

**Soft sleeve for EVA hoses**

Applications: industrial vacuum cleaners, vacuum cleaners

Properties: easily and quickly fitted; re-usable; good resistance to alkalis and acids; good resistance to chemicals; conforms to RoHS guideline

Temperature Range: -20°C to 70°C; short time to 80°C

Design, Material: Wall: premium polyethylene (PE), Wall of EC version electrically conductive <10⁵ Ω: electrically conductive premium PE

Rec. Adapter Ø	Rec. Adapter length	Threading depth Hose	Total Length	Weight	Suitable for Hose I.D.	Order No.
mm	mm	mm	mm	kg/Pcs	mm	
Colour grey						
32	44	40	85	0,060	32	227-0032-0000
38	44	40	85	0,070	38	227-0038-0000
50	49	41	90	0,090	50	227-0050-0000
Colour black						
32	44	40	85	0,060	32	227-0032-0001
38	44	40	85	0,070	38	227-0038-0001
45	44	40	90	0,080	45	227-0045-0001
50	49	41	90	0,090	50	227-0050-0001
Electrically conductive <10 ⁵ Ω Colour black						
32	44	40	85	0,060	32	227-0032-1003
38	44	40	85	0,070	38	227-0038-1003
50	49	41	90	0,090	50	227-0050-1003

Delivery variants: further diameters available on request; grey (standard); black (standard)

CONNECT 270-271

**Metal hose connector / reducer**

Properties: easily and quickly fitted; re-usable (threaded version); conforms to RoHS guideline

Temperature Range: 200°C

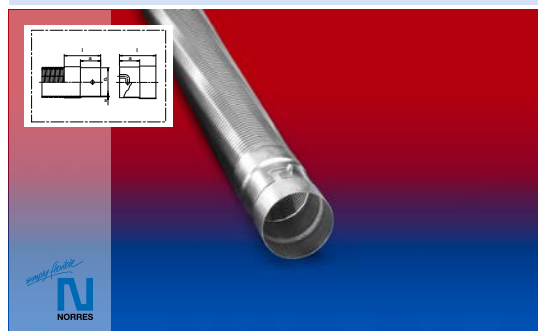
Design, Material: galvanised sheet metal

Suitable for Hose I.D. d1	Suitable for Hose I.D. d2	Adapter length l1	Adapter length l2	Total Length l3	Wall Thickness	Weight	Order No.
mm	mm	mm	mm	mm	mm	kg/Pcs	
Hose connector							
70	70	40	40	90	0,6	0,200	270-0070-0000
90	90	40	40	90	0,6	0,200	270-0090-0000
110	110	40	40	90	0,6	0,300	270-0110-0000
170	170	40	40	90	0,6	0,500	270-0170-0000
250	250	60	60	130	0,6	0,800	270-0250-0000
350	350	60	60	130	0,7	1,300	270-0350-0000
500	500	80	80	170	0,7	2,300	270-0500-0000
Hose reduction							
125	100	40	40	145	0,6	0,300	271-0125-0000
200	150	40	40	175	0,6	0,500	271-0200-0000
300	200	60	40	265	0,7	1,200	271-0300-0000
80	50	40	40	135	0,6	0,200	271-0080-2655
150	80	40	40	205	0,6	0,400	271-0150-2670
250	150	60	40	270	0,6	0,900	271-0250-2681
300	150	60	40	335	0,7	1,300	271-0300-2685

Delivery variants: further diameters available on request; Stainless Steel (INOX)

Accessories: 212, 216, 208, 211, 212 EC, 217, 213, 228, 223

CONNECT 202



Connectors for connecting or attaching metal hoses

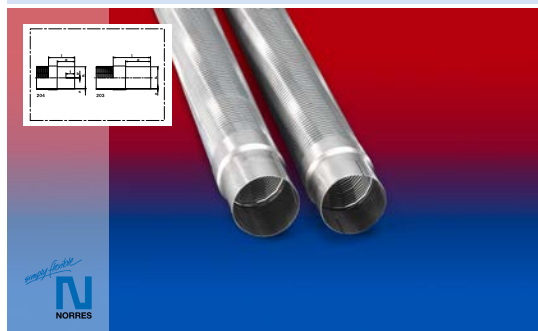
Properties: conforms to RoHS guideline; Bayonet lock 202: cylindrical bayonet lock, alternatively coupling with a pin or flange with an L-slot, extension at one end for attaching the metal hose

Design, Material: stainless steel (INOX)

s	a	l	Weight	Suitable for	Order No.
mm	mm	mm	kg/Pcs	Hose I.D. mm	
Bayonet Fitting 202 with Pin Stainless Steel (INOX)					
1,00	50	80	0,110	50	202-0050-2013
1,00	50	90	0,160	60	202-0060-2013
1,00	50	90	0,180	70	202-0070-2013
1,00	50	90	0,200	80	202-0080-2013
1,00	60	110	0,300	100	202-0100-2013
1,00	60	110	0,350	120	202-0120-2013
1,00	60	110	0,370	125	202-0125-2013
1,50	70	130	0,730	140	202-0140-2013
1,50	70	130	0,770	150	202-0150-2013
1,50	70	130	0,910	180	202-0180-2013
1,50	90	160	1,330	200	202-0200-2013
2,00	90	160	2,160	250	202-0250-2013
2,00	100	180	2,870	300	202-0300-2013
Bayonet Fitting 202 with L-Slot Stainless Steel (INOX)					
1,00	50	80	0,110	50	202-0050-2014
1,00	50	90	0,160	60	202-0060-2014
1,00	50	90	0,180	70	202-0070-2014
1,00	50	90	0,200	80	202-0080-2014
1,00	60	110	0,300	100	202-0100-2014
1,00	60	110	0,350	120	202-0120-2014
1,00	60	110	0,370	125	202-0125-2014
1,50	70	130	0,730	140	202-0140-2014
1,50	70	130	0,770	150	202-0150-2014
1,50	70	130	0,910	180	202-0180-2014
1,50	90	160	1,330	200	202-0200-2014
2,00	90	160	2,160	250	202-0250-2014
2,00	100	180	2,870	300	202-0300-2014
Assembly; (please select the hose separately); rivetting					202-0000-2905

Delivery variants: further diameters available on request

CONNECT 203-204



Connectors for connecting or attaching metal hoses

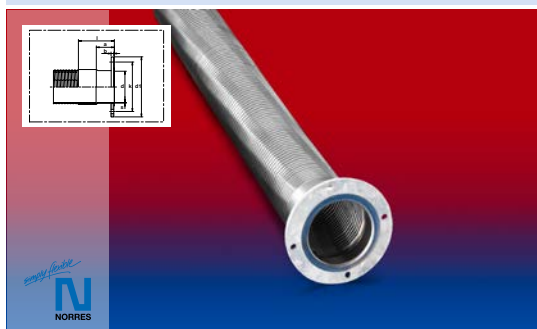
Properties: conforms to RoHS guideline; Adapter 203: cylindrical adapter, extension at one end for attaching the metal hose; Slotted adapter 204: cylindrical adapter with two slots, extension at one end for attaching the metal hose

Design, Material: stainless steel (INOX)

s	b	t	a	l	Weight	Suitable for	Order No.
mm	mm		mm	mm	kg/Pcs	Hose I.D. mm	
Connector 203 stainless steel (INOX)							
1,00	2	30	50	80	0,090	40	203-0040-1100
1,00	2	40	70	100	0,130	50	203-0050-1100
1,00	2	40	70	110	0,180	60	203-0060-1100
1,00	2	40	80	120	0,220	70	203-0070-1100
1,00	2	40	80	120	0,250	80	203-0080-1100
1,00	3	50	100	150	0,390	100	203-0100-1100
1,00	3	50	100	150	0,460	120	203-0120-1100
1,00	3	50	100	150	0,480	125	203-0125-1100
1,25	3	55	100	160	0,770	150	203-0150-1100
1,25	3	60	120	180	1,030	180	203-0180-1100
1,25	3	70	140	210	1,330	200	203-0200-1100
1,25	3	80	180	250	1,970	250	203-0250-1100
1,50	3	80	200	280	3,180	300	203-0300-1100
Slotted Adapter 204 stainless steel (INOX)							
1,00	2	30	50	80	0,090	40	204-0040-1100
1,00	2	40	70	100	0,130	50	204-0050-1100
1,00	2	40	70	110	0,180	60	204-0060-1100
1,00	2	40	80	120	0,220	70	204-0070-1100
1,00	2	40	80	100	0,250	80	204-0080-1100
1,00	3	50	100	150	0,390	100	204-0100-1100
1,00	3	50	100	150	0,460	120	204-0120-1100
1,00	3	50	100	150	0,480	125	204-0125-1100
1,25	3	55	100	160	0,770	150	204-0150-1100
1,25	3	60	120	180	1,030	180	204-0180-1100
1,25	3	70	140	210	1,330	200	204-0200-1100
1,25	3	80	180	250	1,970	250	204-0250-1100
1,50	3	80	200	280	3,180	300	204-0300-1100
Assembly; (please select the hose separately); rivetting							203-0000-2905
							204-0000-2905

Delivery variants: further diameters available on request

CONNECT 205



Connectors for connecting or attaching metal hoses

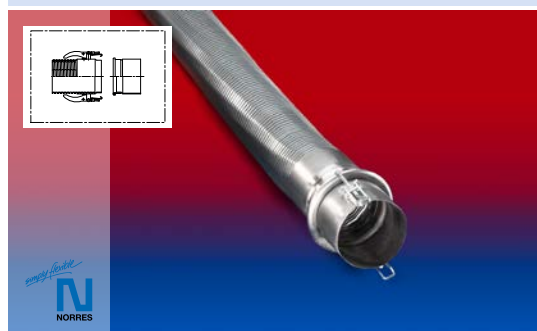
Properties: conforms to RoHS guideline; Flange 205: cylindrical adapter with rotatable flange, extension at one end for attaching the metal hose

Design, Material: stainless steel (INOX)

No. and Dia. Fixing Holes	s mm	b mm	k mm	d1 mm	a mm	l mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Flange 205 Stainless Steel (INOX)									
4x9,5	1,00	6	89	115	40	70	0,480	50	205-0050-1100
4x9,5	1,00	6	99	125	40	80	0,550	60	205-0060-1100
4x9,5	1,00	6	110	133	40	80	0,610	70	205-0070-1100
4x9,5	1,00	6	118	142	40	80	0,670	80	205-0080-1100
4x9,5	1,00	6	139	162	50	100	0,870	100	205-0100-1100
4x9,5	1,00	6	165	187	50	100	1,030	120	205-0120-1100
4x9,5	1,00	6	165	187	50	100	1,040	125	205-0125-1100
8x11,5	1,00	6	182	212	60	120	1,340	140	205-0140-1100
8x11,5	1,25	6	219	252	60	120	1,830	180	205-0180-1100
8x11,5	1,25	6	241	273	60	130	2,100	200	205-0200-1100
8x11,5	1,25	6	292	323	60	130	2,580	250	205-0250-1100
8x11,5	1,50	6	349	383	60	140	4,480	300	205-0300-1100
Assembly; (please select the hose separately); rivetting									205-0000-2905

Delivery variants: further diameters available on request

CONNECT 206



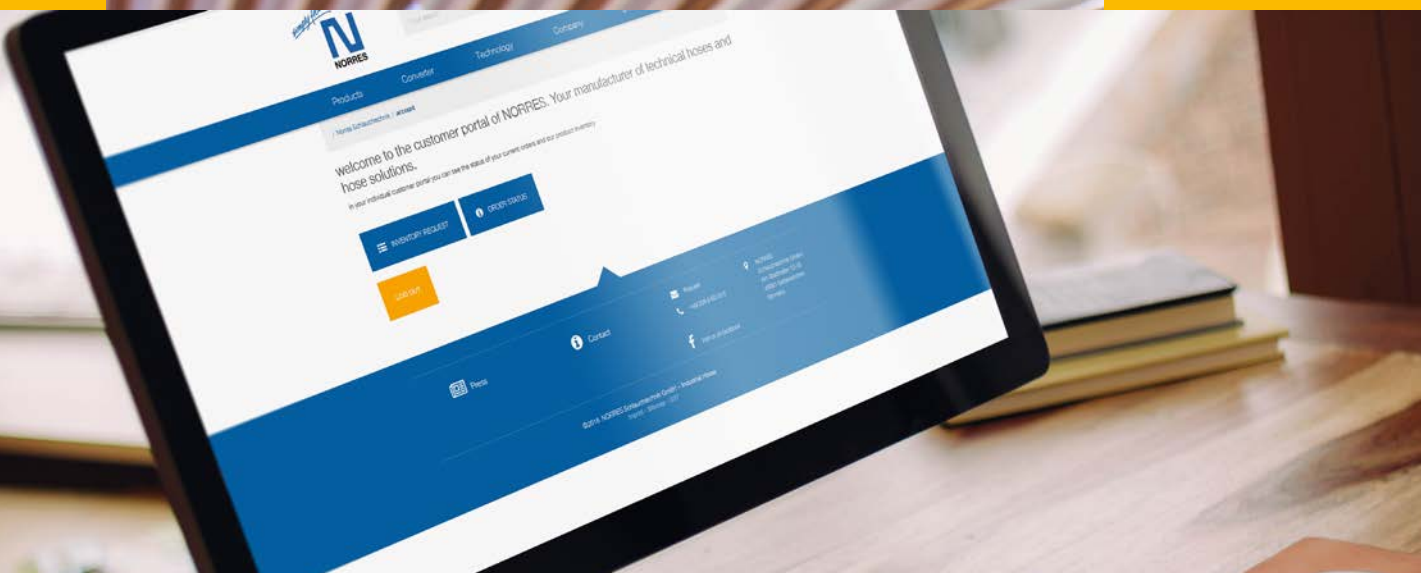
Connectors for connecting or attaching metal hoses

Properties: conforms to RoHS guideline; Quick-release coupling 206: quick-release coupling with several clamp clips, option of coupling with clamp clips or flange with flat face, extension at one end for attaching the metal hose

Design, Material: stainless steel (INOX)

No. Clamp clips Pcs.	Suitable for Hose I.D. mm	Order No.
Quick-Release Coupling 206 Coupling with Clamp Clips Stainless Steel (INOX)		
2	100	206-0100-2015
2	125	206-0125-2015
2	150	206-0150-2015
3	200	206-0200-2015
3	250	206-0250-2015
3	300	206-0300-2015
Quick-Release Coupling 206 Flange Stainless Steel (INOX)		
2	100	206-0100-2016
2	125	206-0125-2016
2	150	206-0150-2016
3	200	206-0200-2016
3	250	206-0250-2016
3	300	206-0300-2016
Assembly; (please select the hose separately); rivetting		206-0000-2905

Delivery variants: further diameters available on request



The NORRES Customer portal

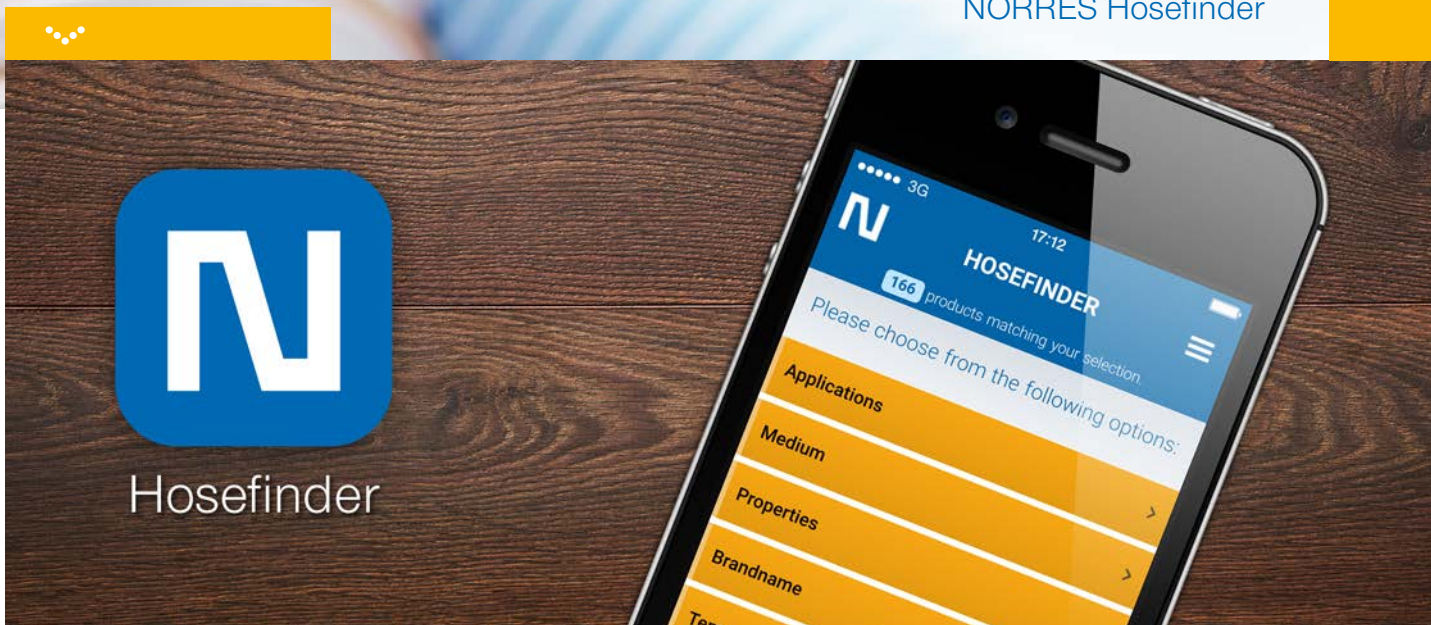
Info

NORRES Customer portal provides crucial information and visibility

NORRES thrives on information 24/7. Regardless of when, regardless of which day with the NORRES customer portal:

- An up-to-date stock inventory for all requests without needing a log in
- After entering an existing project number, the exact status can be viewed
- Customised enquiries and conditions for regular customers with login details

The quick overview of the NORRES product range as well as the current status of the customer's order, is a clear advantage and provides an additional NORRES service for our partners, customers and all interested parties of the NORRES hose solutions.



HOW TO GET THE MOBILE HOSEFINDER

Instructions

Step 1

Please scan the following QR-Code with your smartphone or open the following URL in your mobile browser:

www.norres.com/hosefinder



Step 2

The Hosefinder will appear in your browser and can be used immediately.



Step 3

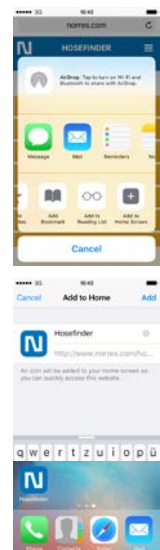
To get permanent quick access to the Hosefinder, just put a bookmark on your home-screen.

For Apple iOS Users: Please tap on the „Share“-button, as highlighted in the screen-shot.

For Android Users: Please add „Shortcut“ – done.

Step 4

In the following menu please select „Add to Home Screen“.



Step 5

Now you will see the App Icon. Please tap on „Add“ to add the Hosefinder to your Home Screen.

Done!

From now on the right Hose for your demands is just a few taps away!



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