

modular
DUCTING



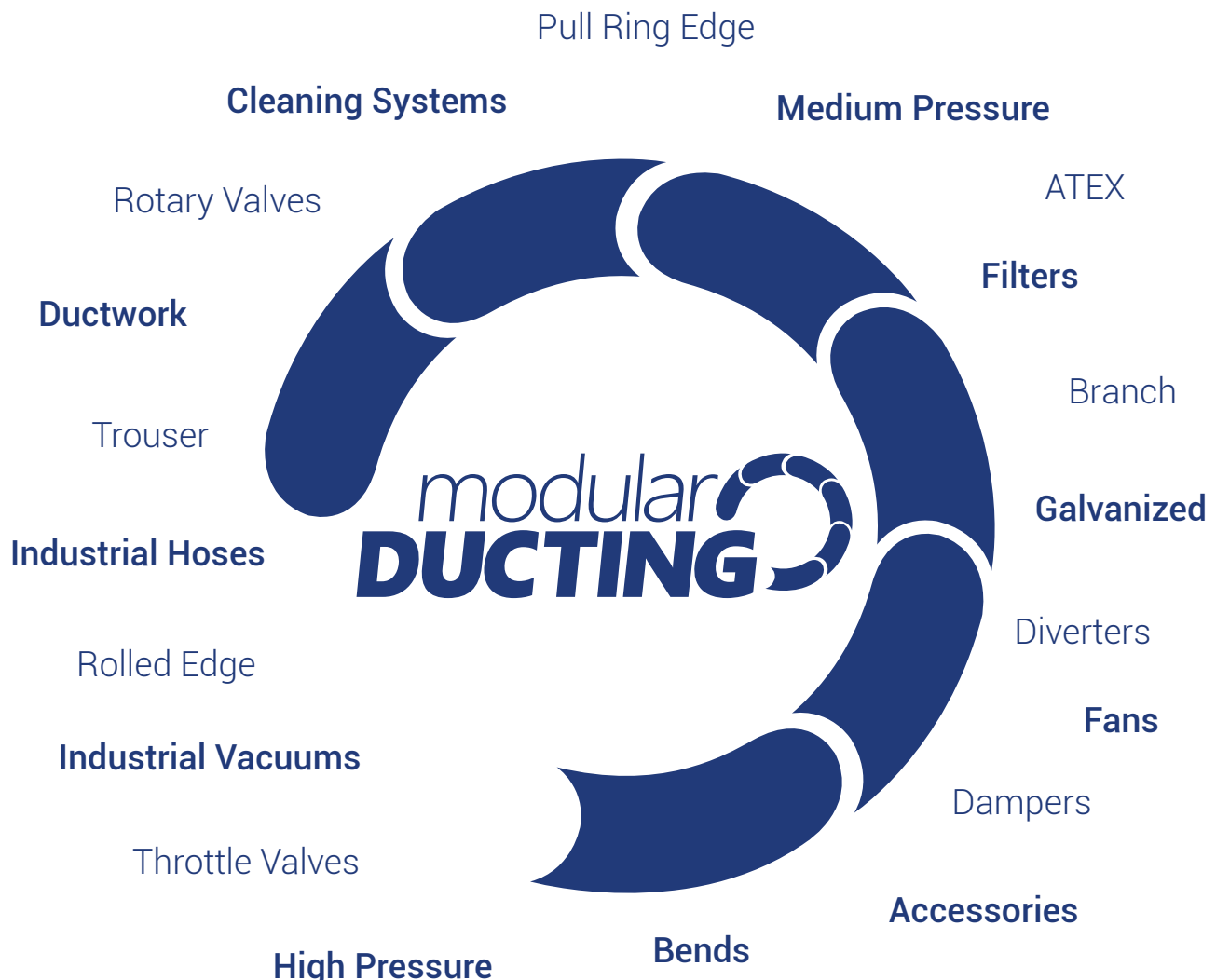
INDUSTRIAL HOSES

ABOUT US

Air pollution is one of the biggest problems worldwide, not only on the outside environment but also on the inside work environment. Air pollution is a risk for the environment itself, as well as for people's health. Thus, it is important that industries ensure a clean environment inside their companies and work environments. This can be done by implementing proper systems with quality products to ensure good air quality.

Modular ducting supplies products to ensure clean air in the working environment. We stock a different variety of products such as galvanized ductwork, including bends and dampers, between others; industrial hoses and industrial vacuum cleaners. We have also available in our range, products such as filter and fans, which can be made available on order.

Our products are suitable for different industry sectors such as plastics, metal, food and pharma, agricultural, raw material, fume and dust extraction, wood processing, automotive and disposal industries.



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INDUSTRIAL HOSES

Applications

Plastics Industry

Food and Pharma

Agricultural Industry

Raw Material Processing

Fume and Dust Extraction

Wood Processing Industry

Industrial Vacuum Cleaners

Vehicle Exhaust Gas System

Shot Blasting / Sand Blasting

Automotive / Vehicle Industry

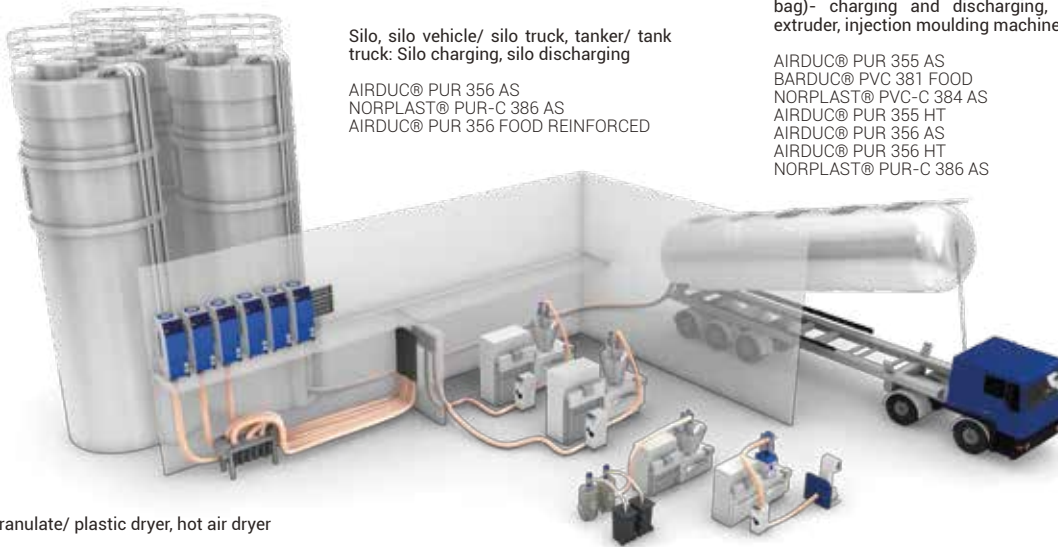
Suction and Disposal Vehicles

Sweeping and Cleaning Machines

Applications

INDUSTRIAL HOSES

Plastics Industry



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

AIRDUC® PUR 356 AS
NORPLAST® PUR-C 386 AS
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

AIRDUC® PUR 355 AS
BARDUC® PVC 381 FOOD
NORPLAST® PVC-C 384 AS
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

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

AIRDUC® PUR-INOX 356 FOOD-AS
AIRDUC® PUR 356 FOOD
AIRDUC® PUR 356 FOOD REINFORCED
BARDUC® PUR-INOX 382 FOOD-AS

NORPLAST® PUR-C 386 AS
NORPLAST® PUR 387
NORPLAST® PUR-C 387 AS

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

AIRDUC® PUR-INOX 355 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
BARDUC® PUR-INOX 382 FOOD-AS
BARDUC® PVC 381 FOOD
NORPLAST® PVC 384 FOOD

INDUSTRIAL HOSES

Applications

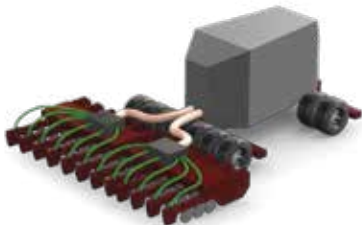


Mixer, dryer, packaging machine,
bulk-bag (big bag) - charging and
discharging, mill

PROTAPE® PUR-C 335 FOOD-AS FLAT
AIRDUC® PUR-INOX 355 FOOD-AS
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® PVC 356 FOOD
AIRDUC® PUR-INOX 356 FOOD-AS
AIRDUC® PE 362 FOOD
CP PTFE-INOX 475 FOOD



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 conveyor

AIRDUC® PUR 355 AS
AIRDUC® PUR 355 FOOD
AIRDUC® PUR 356 AS
AIRDUC® PUR 356 FOOD

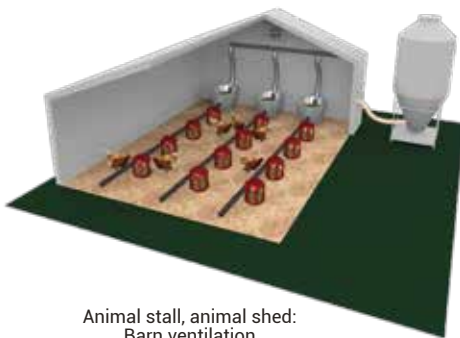


Irrigation, fertilizers, insecticides

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



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® PVC 384 FOOD
NORPLAST® PUR 387



Manure spreader, slurry spreader, slurry tanker

NORPLAST® PVC 379 GREEN SUPERELASTIC
NORPLAST® PVC 389 SUPERELASTIC
NORPLAST® PVC 389 SUPERELASTIC PLUS

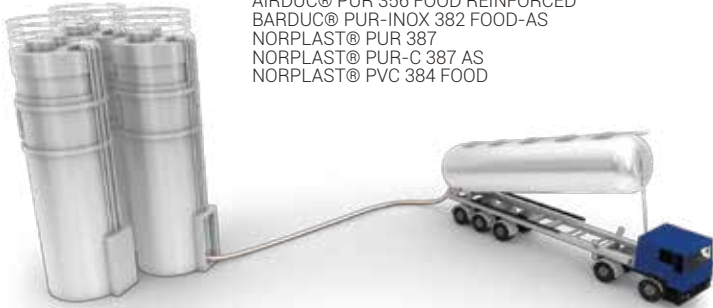
Applications

INDUSTRIAL HOSES

Raw Material Processing

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

AIRDUC® PUR 356 AS
NORPLAST® PUR-C 386 AS
AIRDUC® PUR 356 FOOD
AIRDUC® PUR-INOX 356 FOOD-AS
AIRDUC® PUR 356 EC
AIRDUC® PUR 356 FOOD REINFORCED
BARDUC® PUR-INOX 382 FOOD-AS
NORPLAST® PUR 387
NORPLAST® PUR-C 387 AS
NORPLAST® PVC 384 FOOD

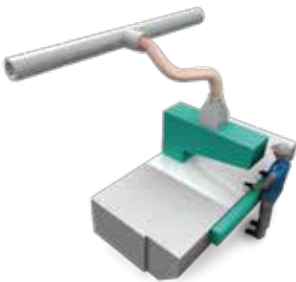


Screening machine/sifting machine,
vibration screening machine, tumbler
screening machine, plansifter, windsifter

PROTAPE® PUR-C 335 FOOD-AS FLAT
PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
PROTAPE® PUR 330 FOOD
PROTAPE® PUR-INOX 330 FOOD-AS



Fume and Dust Extraction



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

PROTAPE® PE 322 EC
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 unit, dedusting system,
filter system, oil mist extraction

PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
AIRDUC® PUR 350 AS
PROTAPE® PUR 330 AS BLACK
AIRDUC® PUR 350 AS BLACK
AIRDUC® PUR 351 FOOD
PROTAPE® PVC 310
AIRDUC® PVC 341



Extraction Arm

PROTAPE® PVC 371
PROTAPE® PVC 371 HT
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

PROTAPE® PVC 371 HT
CP HiTex 467 WELDING
PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
PROTAPE® PUR 370
PROTAPE® PVC 371
CP PVC 465
CP PVC 466 HT

INDUSTRIAL HOSES

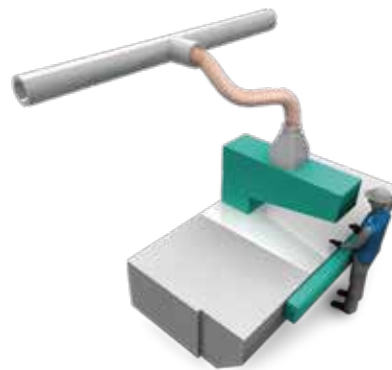
Applications

Wood Processing Industry



Wood dust extraction, wood chips:
Furniture production, saw mill

TIMBERDUC® PUR 531 AS
TIMBERDUC® PUR 532 AS
TIMBERDUC® PUR 532 CNC
TIMBERDUC® PUR 533 AS
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)

TIMBERDUC® PUR 532 CNC
TIMBERDUC® PUR 531 AS
PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS

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

TIMBERDUC® PUR 532 AS
TIMBERDUC® PUR 533 AS
PROTAPE® PUR 301 AS
PROTAPE® PUR 330 AS
AIRDUC® PUR 350 AS
AIRDUC® PUR 355 AS
NORPLAST® PUR 385 AS

Industrial Vacuum Cleaners

Industrial vacuum cleaners, vacuum
cleaners

AIRDUC® PUR 355 AS
AIRDUC® PUR 355 EC
AIRDUC® PUR 351 AS
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



Applications

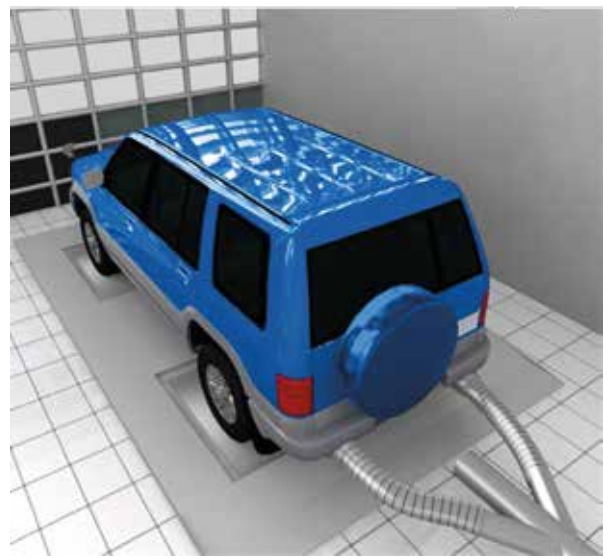
INDUSTRIAL HOSES

Vehicle Exhaust Gas System



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

PROTAPE® TPE 326 MEMORY
CP HYP 450 PROTECT
CP ARAMID 461 PROTECT
CP HiTex 481



Engine test bench, exhaust gas
measurement

CP HiTex 481
CP Kapton® 476
CP HiTex 486
CP HiTex 483
CP HiTex 485
CP HiTex 487

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

AIRDUC® PUR 355 AS
PROTAPE® PUR 330 AS
AIRDUC® PUR 350 AS
AIRDUC® PUR 351 FOOD
AIRDUC® PUR 356 AS
NORPLAST® PUR 385 AS

INDUSTRIAL HOSES

Applications

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

NORFLEX® PUR 441 ROBOTIC
NORFLEX® PUR 401 WELDING

Suction and Disposal Vehicles



Suction excavator

AIRDUC® PUR 356 AS
AIRDUC® PUR 357 VAC-TRUCK
AIRDUC® PUR 355 VAC-TRUCK ORANGE



Suction vehicle: Sewer cleaning, sewage cleaning

NORPLAST® PVC 389 SUPERELASTIC
AIRDUC® PUR 356 AS
NORPLAST® PVC 379 GREEN SUPERELASTIC
NORPLAST® PVC 389 SUPERELASTIC PLUS

Vacuum truck, suction vehicle: Roof gravelling, roof gravel conveying

AIRDUC® PUR 356 AS
NORPLAST® PUR 387
AIRDUC® PUR 355 VAC-TRUCK REINFORCED

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

AIRDUC® PUR 356 AS
NORPLAST® PUR 387
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

Applications

INDUSTRIAL HOSES

Sweeping and Cleaning Machines



Municipal vehicle: Sweeper, sweeping machine

AIRDUC® PUR 350 AS
 AIRDUC® PUR 351 FOOD
 AIRDUC® PUR 355 AS
 AIRDUC® PUR 355 SWEEPER
 AIRDUC® PUR 355 SWEEPER REINFORCED
 PROTAPE® PUR 327 MEMORY
 AIRDUC® PUR 355 VAC-TRUCK ORANGE
 NORPLAST® PUR 385 AS



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

AIRDUC® PUR 350 AS
 AIRDUC® PUR 351 FOOD
 PROTAPE® PUR 327 MEMORY
 AIRDUC® PUR 355 AS
 NORPLAST® PUR 385 AS

Plastics Industry

INDUSTRIAL HOSES

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 device, vacuum hopper/ conveyor, suction conveyor, dosing system, bulkbag (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 device, 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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

DESIGN, MATERIAL

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

ACCESSORIES

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

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	
- / 13	20	4,500	1,000	14	0,140	5 10	355-0013-0000
5/8 / 16	23	4,300	1,000	15	0,160	5 10 15	355-0016-0000
- / 18	25	4,250	1,000	16	0,170	5 10	355-0018-0000
- / 20	27	4,100	1,000	17	0,230	5 10 15 20	355-0020-0000
- / 22	29	3,910	1,000	18	0,250	5 10	355-0022-0000
1 / 25	32	3,655	1,000	20	0,280	5 10 15 20	355-0025-0000
- / 30	40	3,450	0,980	25	0,420	5 10 15	355-0030-0000
1,25 / 32	42	3,260	0,970	26	0,440	5 10 15 20	355-0032-0000
1,36 / 35	45	3,110	0,970	28	0,480	5 10 15	355-0035-0000
1,5 / 38	48	3,080	0,950	29	0,520	5 10 15 20	355-0038-0000
- / 40	50	3,050	0,950	30	0,540	5 10 15 20	355-0040-0000
- / 42	52	2,910	0,940	31	0,560	5 10 15	355-0042-0000
1,75 / 44-45	55	2,730	0,940	33	0,600	5 10 15	355-0045-0000
2 / 50-51	60	2,450	0,930	35	0,660	5 10 15 20	355-0050-0000
- / 55	65	2,250	0,880	38	0,720	5 10 15	355-0055-0000
2,36 / 60	70	2,060	0,810	40	0,780	5 10 15 20	355-0060-0000
2,5 / 63-65	75	1,910	0,750	43	0,840	5 10 15	355-0065-0000
- / 70	81	1,780	0,670	62	0,980	5 10 15	355-0070-0000
3 / 75-76	86	1,660	0,615	66	1,050	5 10 15	355-0075-0000
- / 80	91	1,560	0,560	69	1,110	5 10 15	355-0080-0000
3,5 / 89-90	101	1,300	0,425	76	1,250	5 10 15	355-0090-0000
4 / 100-102	111	1,250	0,390	83	1,490	5 10 15	355-0100-0000
- / 110	121	1,140	0,360	90	1,630	5 10 15	355-0110-0000
4,5 / 114-115	126	1,090	0,335	94	1,680	5 10	355-0115-0000
4,72 / 120	131	1,050	0,315	97	1,770	5 10	355-0120-0000
5 / 125-127	136	1,010	0,295	101	1,840	5 10 15	355-0125-0000
- / 130	141	0,965	0,270	104	1,910	5 10	355-0130-0000
5,5 / 140	151	0,900	0,240	111	2,030	5 10 15	355-0140-0000
6 / 150-152	161	0,840	0,200	118	2,410	5 10 15	355-0150-0000
6,3 / 160	171	0,785	0,185	125	2,560	5 10 15	355-0160-0000
- / 170	181	0,740	0,170	132	2,720	5 10	355-0170-0000
- / 175	186	0,720	0,155	136	2,790	5 10	355-0175-0000
7 / 178-180	191	0,700	0,150	139	2,870	5 10	355-0180-0000
8 / 200-203	213	0,630	0,135	156	3,120	5 10 15	355-0200-0000
- / 225	238	0,560	0,110	174	3,500	5 10	355-0225-0000
- / 250	263	0,510	0,085	191	3,880	5 10	355-0250-0000
10 / 254	267	0,500	0,082	194	3,950	5 10	355-0254-0000
- / 275	288	0,460	0,077	209	4,255	5 10	355-0275-0000
11 / 280	293	0,450	0,075	212	4,330	5 10	355-0280-0000
- / 300	313	0,420	0,070	226	5,160	5 10	355-0300-0000
12 / 305	318	0,415	0,068	230	5,245	5 10	355-0305-0000
13 / 330	343	0,380	0,060	247	5,670	5 10	355-0330-0000
- / 350	363	0,360	0,055	261	6,000	5 10	355-0350-0000
- / 400	413	0,320	0,045	296	8,020	5 10	355-0400-0000
- / 450	463	0,280	0,035	331	9,000	5 10	355-0450-0000
- / 500	514	0,255	0,030	367	10,000	5 10	355-0500-0000

Plastics Industry

INDUSTRIAL HOSES

AIRDUC® PUR 356 AS

Antistatic polyurethane hose, super-heavy, microbe resistant



APPLICATIONS

flexible hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone; plastic industry, conveying of granulates and powders: granulate conveying device, vacuum hopper/ conveyor, suction conveyor, dosing system, bulkbag (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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

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

ACCESSORIES

216, 211, 228, 231, 232, 233, 234, 240+241, 242, 243, 244, 245 CONE FLANGE, 245, 246

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	5,150	1,000	90	0,680	10 15	356-0032-0000
1,5 / 38	49	4,380	1,000	104	0,790	10 15	356-0038-0000
- / 40	51	4,170	1,000	109	0,820	10 15	356-0040-0000
1,75 / 45	56	3,750	1,000	129	0,910	10	356-0045-0000
- / 50	61	3,650	1,000	134	1,000	10 15	356-0050-0000
2 / 51	62	3,600	1,000	134	1,020	10 15	356-0051-0000
- / 55	68	3,420	1,000	151	1,090	10 15	356-0055-0000
2,36 / 60	71	3,150	1,000	156	1,180	10 15	356-0060-0000
2,5 / 63	74	3,000	1,000	163	1,230	10 15	356-0063-0000
- / 65	76	2,910	1,000	169	1,270	10	356-0065-0000
- / 70	82	2,710	1,000	186	1,370	10	356-0070-0000
- / 75	87	2,540	1,000	195	1,460	10 15	356-0075-0000
3 / 76	88	2,500	1,000	195	1,470	10 15	356-0076-0000
- / 80	92	2,380	1,000	205	1,550	10 15	356-0080-0000
- / 90	103	2,120	1,000	250	2,060	10	356-0090-0000
- / 100	113	1,910	1,000	272	2,270	10 15	356-0100-0000
4 / 102	115	1,880	1,000	272	2,310	10 15	356-0102-0000
- / 110	123	1,740	0,985	300	2,480	10	356-0110-0000
4,5 / 115	128	1,670	0,960	317	2,580	10	356-0115-0000
4,72 / 120	133	1,600	0,935	330	2,690	10	356-0120-0000
- / 125	138	1,540	0,900	336	2,800	10 15	356-0125-0000
5 / 127	140	1,510	0,890	336	2,840	10 15	356-0127-0000
5,5 / 140	153	1,375	0,840	400	3,110	10	356-0140-0000
- / 150	163	1,280	0,840	435	3,680	10 15	356-0150-0000
6 / 152	165	1,270	0,835	435	3,720	10 15	356-0152-0000
6,3 / 160	173	1,210	0,805	470	3,910	10	356-0160-0000
- / 175	188	1,105	0,755	700	4,260	10	356-0175-0000
- / 180	193	1,070	0,740	830	4,380	10	356-0180-0000
- / 200	214	0,970	0,660	950	4,860	10	356-0200-0000
8 / 203	216	0,840	0,700	950	5,510	10	356-0203-0000
- / 225	239	0,860	0,565	1175	5,450	10	356-0225-0000
- / 250	264	0,780	0,410	1300	7,350	2,5 5 10	356-0250-0000
- / 300	314	0,650	0,215	1575	8,780	2,5 5 10	356-0300-0000

INDUSTRIAL HOSES

Plastics Industry

AIRDUC® PUR 351 HT

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

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	2,225	0,480	35	0,280	10	351-0032-1015
1,5 / 38	46	1,885	0,430	40	0,320	10	351-0038-1015
- / 40	48	1,795	0,420	41	0,340	10	351-0040-1015
1,75 / 44-45	53	1,600	0,385	45	0,380	10	351-0045-1015
2 / 50-51	58	1,440	0,365	49	0,410	10	351-0050-1015
2,36 / 60	68	1,205	0,285	56	0,490	10	351-0060-1015
2,5 / 63-65	73	1,110	0,255	60	0,530	10	351-0065-1015
- / 70	79	1,040	0,210	65	0,590	10	351-0070-1015
3 / 75	84	0,965	0,195	69	0,640	10	351-0075-1015
- / 80	89	0,905	0,175	73	0,680	10	351-0080-1015
4 / 100-102	109	0,725	0,120	88	0,970	10	351-0100-1015
5 / 125-127	134	0,590	0,085	107	1,200	10	351-0125-1015
6 / 150-152	159	0,485	0,075	126	1,520	10	351-0150-1015
8 / 200-203	209	0,370	0,055	165	2,000	10	351-0200-1015

TEMPERATURE RANGE

-40°C to 125°C
short time to 150°C

ACCESSORIES

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

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.

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 device, 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

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	42	3,425	0,970	32	0,440	10	355-0032-1015
1,5 / 38	48	3,235	0,950	36	0,520	10	355-0038-1015
- / 40	50	3,210	0,950	38	0,540	10	355-0040-1015
2 / 50-51	60	2,575	0,930	44	0,660	10	355-0050-1015
2,36 / 60	70	2,165	0,810	51	0,780	10	355-0060-1015
2,5 / 63-65	75	2,005	0,750	54	0,840	10	355-0065-1015
- / 70	81	1,870	0,670	77	0,980	10	355-0070-1015
3 / 75-76	86	1,745	0,615	81	1,050	10	355-0075-1015
- / 80	91	1,635	0,560	85	1,110	10	355-0080-1015
4 / 100-102	111	1,315	0,390	103	1,490	10	355-0100-1015
5 / 125-127	136	1,060	0,295	125	1,840	10	355-0125-1015
6 / 150-152	161	0,880	0,200	147	2,410	10	355-0150-1015
8 / 200-203	213	0,660	0,135	194	3,120	10	355-0200-1015
Colour transparent							
1,25 / 32	42	3,425	0,970	32	0,440	10	355-0032-3040
1,5 / 38	48	3,235	0,950	36	0,520	10	355-0038-3040
- / 40	50	3,210	0,950	38	0,540	10	355-0040-3040
2 / 50-51	60	2,575	0,930	44	0,660	10	355-0050-3040
2,36 / 60	70	2,165	0,810	51	0,780	10	355-0060-3040
- / 70	81	1,870	0,670	77	0,980	10	355-0070-3040
- / 80	91	1,635	0,560	85	1,110	10	355-0080-3040
4 / 100-102	111	1,315	0,390	103	1,490	10	355-0100-3040

TEMPERATURE RANGE

-40°C to 125°C
short time to 150°C

ACCESSORIES

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

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 - 1,5mm approx.

Plastics Industry

INDUSTRIAL HOSES

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 device, 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

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	3,805	1,000	134	1,000	10	356-0050-1015
2 / 51	62	3,800	1,000	134	1,020	10	356-0051-1015
2,36 / 60	71	3,280	1,000	156	1,180	10	356-0060-1015
2,5 / 63	74	3,100	1,000	163	1,240	10	356-0063-1015
- / 70	82	2,825	1,000	186	1,370	10	356-0070-1015
- / 75	87	2,645	1,000	195	1,460	10	356-0075-1015
3 / 76	88	2,630	1,000	195	1,480	10	356-0076-1015
- / 80	92	2,575	1,000	205	1,550	10	356-0080-1015
4 / 102	115	1,965	1,000	272	2,310	10	356-0102-1015
5 / 127	140	1,580	0,890	336	2,840	10	356-0127-1015
6 / 152	165	1,325	0,835	435	3,720	10	356-0152-1015

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

TEMPERATURE RANGE

-40°C to 125°C
short time to 150°C

ACCESSORIES: 216, 211, 228, 231, 232, 233, 234, 245 CONE FLANGE

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

NORPLAST® PUR-C 386 AS

Antistatic polyurethane hose, heavy, grounding wire



APPLICATIONS

flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases; vacuum conveying device, vacuum hopper, suction conveyor, dosing system; plastic industry, 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; 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

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 / 75-78	85,0	5,000	0,700	375,1	1,460	15 30	386-0078-0000
- / 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

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 and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of nonflammable 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

ACCESSORIES

211, 270-271

DESIGN, MATERIAL

NORPLAST® full plastic hose; hard plastic spiral integrated in wall; spiral: rigid PVC; smooth interior; Wall: antistatic polyurethane inside layer, exterior soft PVC; grounding wire

INDUSTRIAL HOSES

Plastics Industry

NORPLAST® PVC-C 384 AS

Antistatic PVC hose, heavy, grounding wire



APPLICATIONS

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

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

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: electrical and surface resistance $10^9 \Omega$ approx.; in accordance with ATEX 2014/34/EU 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

-5°C to 70°C
short time to 80°C

ACCESSORIES

211, 270-271

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

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

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	0,925	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	0,730	0,175	27	0,290	10	363-0038-0000
- / 40	48	0,695	0,170	28	0,300	10	363-0040-0000
1,75 / 44-45	53	0,620	0,160	31	0,330	10	363-0045-0000
2 / 50-51	58	0,560	0,150	33	0,370	10	363-0050-0000
2,36 / 60	66	0,465	0,115	38	0,450	10	363-0060-0000
- / 70	78	0,400	0,085	43	0,530	10	363-0070-0000
- / 80	88	0,350	0,070	48	0,590	10	363-0080-0000
3,5 / 89-90	98	0,310	0,065	53	0,670	10	363-0090-0000
4 / 100-102	108	0,280	0,050	58	0,740	10	363-0100-0000
5 / 125-127	133	0,225	0,035	71	0,910	10	363-0125-0000
6 / 150-152	158	0,190	0,035	83	1,100	10	363-0150-0000
7 / 178-180	188	0,155	0,025	98	1,290	10	363-0180-0000
8 / 200-203	208	0,140	0,025	108	1,440	10	363-0200-0000
- / 225	233	0,130	0,020	121	1,630	10	363-0225-0000
- / 250	258	0,120	0,020	133	1,810	10	363-0250-0000

TEMPERATURE RANGE

-40°C to 125°C
short time to 150°C

ACCESSORIES

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

DESIGN MATERIAL

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

Plastics Industry

INDUSTRIAL HOSES

AIRDUC® PUR 356 FOOD REINFORCED

Food hose and pharmaceutical hose, super-heavy and reinforced



APPLICATIONS

flexible 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 dry foods, e.g. rice, 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 the latest Directive 2015/174,

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	4,010	1,000	189	1,490	10	356-0050-5100
2 / 51	68	3,950	1,000	192	1,500	10	356-0051-5100
2,36 / 60	77	3,465	1,000	216	1,760	10	356-0060-5100
2,5 / 63	80	3,310	1,000	224	1,810	10	356-0063-5100
- / 65	82	3,200	1,000	230	1,890	10	356-0065-5100
- / 75	82	2,795	1,000	257	2,040	10	356-0075-5100
3 / 76	87	2,790	1,000	259	2,080	10	356-0076-5100
- / 80	97	2,620	1,000	270	2,300	10	356-0080-5100
3,5 / 89	106	2,385	1,000	296	2,840	10	356-0089-5100
- / 90	107	2,360	1,000	297	2,900	10	356-0090-5100
- / 100	117	2,100	1,000	324	3,200	10	356-0100-5100
4 / 102	119	2,070	1,000	330	3,260	10	356-0102-5100
4,5 / 115	132	1,815	0,960	365	3,640	10	356-0115-5100
- / 125	142	1,695	0,930	392	3,950	10	356-0125-5100
5 / 127	144	1,660	0,930	398	4,010	10	356-0127-5100
- / 150	167	1,410	0,900	460	5,050	10	356-0150-5100
6 / 152	169	1,395	0,900	465	5,110	10	356-0152-5100

food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

TEMPERATURE RANGE

-40°C to 90°C
short time to 125°C

ACCESSORIES

211, 230

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

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

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	0,265	0,130	33	0,230	10	320-0050-0000
2,36 / 60	68	0,220	0,105	38	0,260	10	320-0060-0000
- / 70	78	0,190	0,075	43	0,300	10	320-0070-0000
3 / 75-76	83	0,175	0,070	46	0,330	10	320-0075-0000
- / 80	88	0,165	0,065	48	0,360	10	320-0080-0000
4 / 100-102	109	0,135	0,045	58	0,520	10	320-0100-0000
5 / 125-127	134	0,105	0,030	71	0,640	10	320-0125-0000
5,5 / 140	148	0,095	0,030	78	0,710	10	320-0140-0000
6 / 150-152	159	0,090	0,030	83	0,760	10	320-0150-0000
6,3 / 160	168	0,085	0,025	88	0,800	10	320-0160-0000
7 / 178-180	188	0,075	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	0,040	0,015	133	1,210	10	320-0250-0000

TEMPERATURE RANGE

-40°C to 125°C
short time to 150°C

ACCESSORIES

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

DESIGN, MATERIAL

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

INDUSTRIAL HOSES

Plastics Industry

PROTAPE® TPE 321 REINFORCED

TPE hose, light, fabric reinforced (up 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

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

ACCESSORIES

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

DESIGN, MATERIAL

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

BARDUC® PVC 381 FOOD

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



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

APPLICATIONS

flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying device, vacuum hopper, suction conveyor, dosing system; plastic industry, 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; 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 device, vacuum handling system

PROPERTIES

heavy duty; very high pressure, vacuum and compression resistance; food grade wall, complies with: EU Directive 10/2011 and the latest Directive 2015/174; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; conforms to RoHS guideline

TEMPERATURE RANGE

-20°C to 70°C
short time to 80°C

ACCESSORIES

211

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

Plastics Industry

INDUSTRIAL HOSES

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

DESIGN, MATERIAL

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

ACCESSORIES

208, 211, 228, 270-271

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	28	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 / 75.75	80	1,100	0,390	42	0,410	4	390-0075-0000
- / 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

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

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

PROPERTIES

fabric reinforced; highly flexible; highly abrasion resistant; crush resistant; approved by an independent testing laboratory for the complete hose acc. to EU Directive 10/2011 and the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; conforms to RoHS guideline

TEMPERATURE RANGE

-40°C to 90°C
short time to 125°C

ACCESSORIES

208

DESIGN, MATERIAL

NORFLEX® design; fabric reinforced wall; smooth interior and exterior; wall: special premium ether-polyurethane (Pre-PUR®)

INDUSTRIAL HOSES

Plastics Industry

NEO 390 TWO

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

ACCESSORIES

208, 211, 228, 270-271

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

NORFLEX® PVC 440 HIGH PRESSURE

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

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

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

Plastics Industry

INDUSTRIAL HOSES

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

Silicon hose; spring steel wire; fabric-reinforced tape; wall: Silicon coated glass fabric; cord as reinforcement

ACCESSORIES

208, 211, 228, 270-271

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	0,780	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

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

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	28,5	20,000	50	140	0,411	50	441-9190-0400
1 / 25,4	35,4	15,000	35	257	0,568	50	441-9254-0400
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	28,5	20,000	50	140	0,411	50	441-9190-0403
1 / 25,4	35,4	15,000	35	257	0,568	50	441-9254-0403
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	28,5	20,000	50	140	0,411	50	441-9190-0404
1 / 25,4	35,4	15,000	35	257	0,568	50	441-9254-0404

TEMPERATURE RANGE
-35°C to 80°C

ACCESSORIES
208

DESIGN, MATERIAL

NORFLEX® design; fabric reinforced wall; smooth interior and exterior; wall: special premium polyurethane (Pre-PUR®)

INDUSTRIAL HOSES

Plastics Industry

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

Silicon hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: Silicon coated glass fabric; cord as reinforcement

ACCESSORIES

208, 211, 228, 270-271

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	0,380	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

NORFLEX® PVC 440

PVC hose/ tubing, fabric reinforced pressure hose



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

DESIGN, MATERIAL

NORFLEX® design; wall interior and exterior smooth; 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	0,085	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
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
1 1/2 / 38	5,0	48,0	4,000	281	0,878	25	440-9380-0000
- / 50	5,0	60,0	3,000	425	1,123	25	440-9500-0000

TEMPERATURE RANGE
-20°C to 60°C

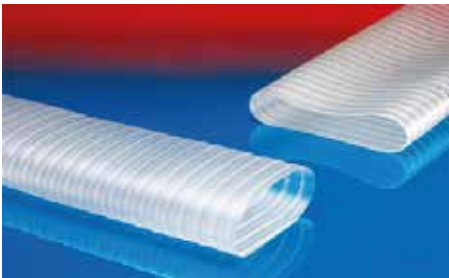
ACCESSORIES
208

INDUSTRIAL HOSES

Food and Pharma

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, planisifter, windsifter, bellows, compensators

PROPERTIES

highly flexible; abrasion-resistant; vibration resistant; food grade wall, complies with: EU Directive 10/2011, incl. the latest Amending 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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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	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	5	335-0080-0000
- / 85	90	0,480	0,500	5	335-0085-0000
4 / 100-102	105	0,410	0,590	5	335-0100-0000
- / 110	115	0,375	0,650	5	335-0110-0000
4,72 / 120	125	0,340	0,700	5	335-0120-0000
5 / 125-127	130	0,330	0,730	5	335-0125-0000
6 / 150-152	155	0,275	0,880	5	335-0150-0000
- / 155	160	0,265	0,900	5	335-0155-0000
6,5 / 165	170	0,250	0,960	5	335-0165-0000
7 / 178-180	185	0,230	1,050	5	335-0180-0000
8 / 200-203	205	0,205	1,140	5	335-0200-0000
- / 205	210	0,200	1,190	5	335-0205-0000
- / 250	255	0,165	1,450	5	335-0250-0000
- / 275	280	0,150	1,590	5	335-0275-0000
12 / 305	310	0,135	1,770	5	335-0305-0000
16 / 405-406	410	0,105	2,340	5	335-0405-0000

TEMPERATURE RANGE

-40°C to 90°C
short time to 125°C

DESIGN, MATERIAL

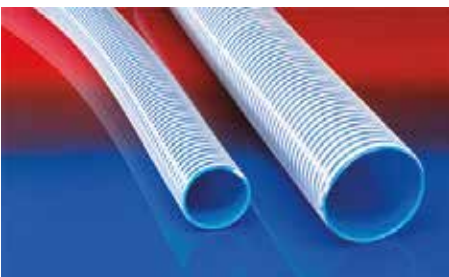
patented PROTAPE® tape hose; wall interior and exterior smooth; wall: permanently antistatic, premium ether-polyurethane (Pre-PUR®); wall thickness 1,0 mm approx.; wall interior smooth; grounding wire

ACCESSORIES

208, 211, 228, 270-271

NORPLAST® PUR 387

Polyurethane hose, super-heavy



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; animal stall/-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/-discharging; conveying of wood pellets, plastic granulate, plastic powder

PROPERTIES

external abrasion protection via external helix (saves floor space, prolong service life, easy to use);

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	789,0	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

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

ACCESSORIES

211

INDUSTRIAL HOSES

Food and Pharma

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, incl. the latest Amending 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; conforms to RoHS guideline

TEMPERATURE RANGE

-40°C to 90°
short time to 125°C

DESIGN, MATERIAL

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

ACCESSORIES

212, 217, 213, 228, 270-271

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
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
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
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
- / 170	182	0,080	0,030	61	1,840	3 6	455-0170-0000
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
- / 225	237	0,060	0,020	78	2,420	3 6	455-0225-0000
- / 250	262	0,055	0,015	85	2,680	3 6	455-0250-0000
- / 300	312	0,045	0,010	100	3,200	3 6	455-0300-0000
- / 350	362	0,040	0,010	115	3,720	3 6	455-0350-0000
- / 400	412	0,035	0,005	130	4,250	3 6	455-0400-0000
- / 450	462	0,030	0,005	145	4,770	3 6	455-0450-0000
- / 500	512	0,030	0,005	160	5,290	3 6	455-0500-0000
- / 600	612	0,025	0,005	190	6,340	3 6	455-0600-0000
- / 700	712	0,020	0,002	220	7,380	3 6	455-0700-0000
- / 800	812	0,020	0,001	250	8,430	3 6	455-0800-0000
- / 900	912	0,015	0,001	280	9,480	3 6	455-0900-0000
- / 1000	1012	0,015	0,001	310	10,540	3 6	455-1000-0000

Food and Pharma

INDUSTRIAL HOSES

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 device, 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 the latest Directive 2015/174, food grade polyurethane, complies with: 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: electrical and surface resistance $<10^9 \Omega$;

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	33	2,30	0,475	22	0,220	5 10	351-0025-1018
1,25 / 32	40	2,120	0,460	28	0,260	5 10	351-0032-1018
1,5 / 38	46	1,795	0,430	32	0,320	5 10	351-0038-1018
- / 40	48	1,710	0,420	33	0,340	5 10	351-0040-1018
2 / 50-51	58	1,370	0,365	39	0,410	5 10	351-0050-1018
2,36 / 60	68	1,150	0,285	45	0,490	5 10	351-0060-1018
2,5 / 63-65	73	1,060	0,255	48	0,590	5 10	351-0065-1018
- / 70	79	0,990	0,210	52	0,590	5 10	351-0070-1018
3 / 75-76	84	0,920	0,195	55	0,640	5 10	351-0075-1018
- / 80	89	0,860	0,175	58	0,680	5 10	351-0080-1018
4 / 100-102	109	0,690	0,120	70	0,970	5 10	351-0100-1018
5 / 125-127	134	0,560	0,085	85	1,200	5 10	351-0125-1018
6 / 150-152	159	0,460	0,075	100	1,520	5 10	351-0150-1018
7 / 178-180	189	0,385	0,055	118	1,810	5 10	351-0180-1018
8 / 200-203	209	0,345	0,055	133	2,030	5 10	351-0200-1018

in accordance with ATEX 2014/34/EU 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

-40°C to 90°C

ACCESSORIES

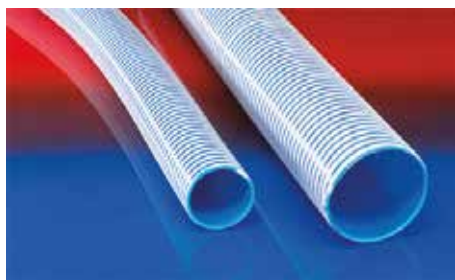
212, 212 EC, 217, 213, 228, 233, 234, 247, 249, 240 + 241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 FOOD, 223, 270-271

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.

NORPLAST® PUR-C 387 AS

Antistatic polyurethane hose, super-heavy, grounding wire



APPLICATIONS

flexible 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;

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	387-0075-2878
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

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 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

-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, exterior soft PVC; grounding wire

ACCESSORIES

211, 248

INDUSTRIAL HOSES

Food and Pharma

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 device/ 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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; 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 (PrePUR®); wall thickness 0,6 mm approx.

ACCESSORIES

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

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	1,600	0,370	20	0,170	5 10	330-0025-0000
- / 30	37	1,345	0,355	22	0,200	5 10	330-0030-0000
1,25 / 32	39	1,290	0,350	23	0,210	5 10 15	330-0032-0000
1,5 / 38	45	1,060	0,320	26	0,250	5 10 15	330-0038-0000
- / 40	47	1,015	0,315	27	0,280	5 10 15	330-0040-0000
2 / 60-51	58	0,815	0,275	33	0,360	5 10 15	330-0050-0000
2,25 / 60	68	0,680	0,258	38	0,430	5 10 15	330-0060-0000
2,5 / 63-65	73	0,630	0,225	41	0,470	5 10	330-0065-0000
- / 70	78	0,585	0,188	43	0,500	5 10 15	330-0070-0000
3 / 75-78	83	0,545	0,156	46	0,530	5 10 15	330-0075-0000
- / 80	88	0,510	0,145	48	0,570	5 10 15	330-0080-0000
3,5 / 89-90	98	0,455	0,135	53	0,630	5 10 15	330-0090-0000
4 / 100-102	108	0,410	0,120	58	0,660	5 10 15	330-0100-0000
- / 110	118	0,375	0,095	63	0,730	5 10 15	330-0110-0000
4,5 / 114-115	123	0,355	0,085	66	0,760	5 10 15	330-0115-0000
4,72 / 120	128	0,340	0,085	68	0,790	5 10	330-0120-0000
5 / 125-127	133	0,330	0,078	71	0,820	10 15	330-0125-0000
- / 130	138	0,315	0,063	73	0,850	5 10	330-0130-0000
5,5 / 140	148	0,295	0,063	78	0,920	5 10 15	330-0140-0000
6 / 150-152	158	0,275	0,063	83	0,980	5 10 15	330-0150-0000
6,3 / 160	168	0,255	0,058	88	1,040	5 10 15	330-0160-0000
- / 175	183	0,235	0,048	96	1,140	5 10	330-0175-0000
7 / 178-180	188	0,230	0,042	98	1,170	5 10 15	330-0180-0000
8 / 200-203	208	0,205	0,042	108	1,540	5 10 15	330-0200-0000
- / 225	233	0,180	0,042	121	1,750	5 10 15	330-0225-0000
- / 250	258	0,165	0,032	133	1,900	5 10 15	330-0250-0000
10 / 254	282	0,165	0,016	135	1,940	5 10 15	330-0254-0000
- / 300	309	0,135	0,016	159	2,530	5 10 15	330-0300-0000
- / 350	359	0,115	0,010	184	2,960	5 10	330-0350-0000
- / 400	409	0,105	0,010	209	3,360	5 10	330-0400-0000
- / 450	459	0,090	0,010	234	3,770	5 10	330-0450-0000
- / 500	510	0,080	0,005	260	5,160	5 10	330-0500-0000

Food and Pharma

INDUSTRIAL HOSES

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 device/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose

PROPERTIES

medium-heavy duty; highly abrasion resistant; food grade wall, complies with: FDA 21 CFR Part 177.1680 and 177.2600; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: electrical and surface resistance <math> < 10^9 \Omega </math>; in accordance with ATEX 2014/34/EU 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); 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 ether-polyurethane (Pre-PUR®); wall thickness 0,7 mm approx.

ACCESSORIES

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

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	2,585	0,610	23	0,190	5 10	350-0025-0000
- / 30	37	2,245	0,585	26	0,250	5 10	350-0030-0000
1,25 / 32	39	2,105	0,570	27	0,270	5 10	350-0032-0000
1,5 / 38	45	1,780	0,525	31	0,310	5 10	350-0038-0000
- / 40	47	1,360	0,505	32	0,330	5 10	350-0040-0000
1,75 / 44.45	52	1,390	0,460	35	0,370	5 10	350-0045-0000
2 / 50.51	57	1,350	0,435	38	0,400	5 10 15 20	350-0050-0000
- / 55	62	1,240	0,395	41	0,440	5 10	350-0055-0000
2,36 / 60	67	1,140	0,338	44	0,480	5 10 15	350-0060-0000
2,5 / 63.65	70	1,020	0,295	47	0,520	5 10	350-0065-0000
- / 70	77	0,975	0,245	50	0,560	5 10	350-0070-0000
3 / 75.76	82	0,910	0,220	53	0,590	5 10	350-0075-0000
- / 80	87	0,855	0,190	56	0,640	5 10 15	350-0080-0000
3,5 / 89.90	97	0,760	0,160	62	0,720	5 10	350-0090-0000
4 / 100.102	107	0,690	0,115	68	0,800	5 10 15	350-0100-0000
- / 110	117	0,625	0,105	74	0,870	5 10	350-0110-0000
4,5 / 114.115	122	0,600	0,100	77	0,900	5 10	350-0115-0000
4,72 / 120	127	0,570	0,095	80	0,950	5 10	350-0120-0000
5 / 125.127	132	0,550	0,080	83	0,980	5 10	350-0125-0000
- / 130	137	0,525	0,080	86	1,010	5 10	350-0130-0000
5,5 / 140	147	0,490	0,080	92	1,090	5 10	350-0140-0000
6 / 150.152	157	0,455	0,075	98	1,400	5 10 15	350-0150-0000
6,3 / 160	167	0,415	0,065	104	1,500	5 10	350-0160-0000
- / 170	177	0,390	0,060	108	1,580	5 10	350-0170-0000
- / 175	182	0,355	0,050	113	1,630	5 10	350-0175-0000
7 / 178.180	187	0,350	0,050	116	1,670	5 10	350-0180-0000
8 / 200.203	207	0,315	0,050	128	1,860	5 10 15	350-0200-0000
- / 225	232	0,265	0,035	143	2,080	5 10	350-0225-0000
- / 250	257	0,240	0,020	158	2,310	5 10	350-0250-0000
10 / 254	261	0,236	0,020	160	2,350	5 10	350-0254-0000
- / 275	282	0,220	0,020	173	2,540	5 10	350-0275-0000
11 / 280	287	0,210	0,020	176	2,590	5 10	350-0280-0000
- / 300	307	0,200	0,020	188	2,770	5 10	350-0300-0000
12 / 305	312	0,196	0,018	191	2,810	5 10	350-0305-0000
- / 350	357	0,170	0,015	218	3,220	5 10	350-0350-0000
14 / 356	363	0,167	0,010	222	3,340	5 10	350-0356-0000
- / 400	407	0,150	0,010	248	4,170	5 10	350-0400-0000
- / 450	457	0,135	0,010	281	4,690	5 10	350-0450-0000
- / 500	507	0,120	0,010	313	5,200	5 10	350-0500-0000

INDUSTRIAL HOSES

Food and Pharma

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 device, 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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; 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; 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 (PrePUR®); wall thickness 1,0 mm approx.

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

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	2,690	0,495	23	0,200	5 10 15	351-0025-0000
- / 30	38	2,260	0,475	27	0,260	5 10	351-0030-0000
1,25 / 32	40	2,120	0,460	28	0,280	5 10 15	351-0032-0000
1,36 / 35	43	1,940	0,440	30	0,300	5 10	351-0035-0000
1,5 / 38	46	1,795	0,430	32	0,320	5 10 15	351-0038-0000
- / 40	48	1,710	0,420	33	0,340	5 10 15	351-0040-0000
1,75 / 44-45	53	1,525	0,385	36	0,380	5 10	351-0045-0000
2 / 50-51	58	1,370	0,365	39	0,410	5 10 15 20	351-0050-0000
- / 55	63	1,255	0,330	42	0,450	5 10 15	351-0055-0000
2,38 / 60	68	1,150	0,285	45	0,490	5 10 15	351-0060-0000
2,5 / 63-65	73	1,060	0,255	48	0,530	5 10 15	351-0065-0000
- / 70	79	0,900	0,210	52	0,590	5 10 15	351-0070-0000
3 / 75-76	84	0,920	0,195	55	0,640	5 10 15	351-0075-0000
- / 80	89	0,860	0,175	58	0,680	5 10 15	351-0080-0000
3,5 / 89-90	99	0,770	0,155	64	0,750	5 10	351-0090-0000
4 / 100-102	109	0,690	0,120	70	0,970	5 10 15	351-0100-0000
- / 110	119	0,630	0,110	76	1,060	5 10 15	351-0110-0000
4,5 / 114-115	124	0,605	0,105	79	1,110	5 10	351-0115-0000
4,72 / 120	129	0,580	0,105	82	1,160	5 10 15	351-0120-0000
5 / 125-127	134	0,560	0,085	85	1,200	5 10 15	351-0125-0000
- / 130	139	0,535	0,085	88	1,250	5 10	351-0130-0000
5,5 / 140	149	0,495	0,085	94	1,340	5 10	351-0140-0000
6 / 150-152	159	0,460	0,075	100	1,520	5 10 15	351-0150-0000
6,3 / 160	169	0,435	0,085	106	1,610	5 10	351-0160-0000
- / 170	179	0,410	0,085	110	1,710	5 10	351-0170-0000
- / 175	184	0,400	0,055	115	1,760	5 10	351-0175-0000
7 / 178-180	189	0,385	0,055	118	1,810	5 10	351-0180-0000
8 / 200-203	209	0,350	0,055	130	2,000	5 10 15	351-0200-0000
- / 225	234	0,310	0,040	145	2,160	5 10	351-0225-0000
- / 250	259	0,280	0,020	160	2,390	5 10	351-0250-0000
- / 275	284	0,255	0,020	175	2,630	5 10	351-0275-0000
11 / 280	289	0,250	0,020	178	2,670	5 10	351-0280-0000
- / 300	309	0,230	0,020	190	2,860	5 10	351-0300-0000
- / 350	359	0,200	0,015	220	3,330	5 10	351-0350-0000
- / 400	409	0,170	0,010	250	4,270	5 10	351-0400-0000

Food and Pharma

INDUSTRIAL HOSES

BARDUC® PUR-INOX 382 FOOD-AS

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



APPLICATIONS

flexible 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 device, 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 dry foods, e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

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 the latest Directive 2015/174,

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	190	0,650	10	382-0040-1014
2 / 50-51	58	5,000	1,000	225	0,960	10	382-0050-1014
2,36 / 60	68	5,000	1,000	270	1,120	10	382-0060-1014
2,5 / 63-65	73	5,000	1,000	293	1,210	10	382-0065-1014
- / 70	78	5,000	1,000	315	1,290	10	382-0070-1014
3 / 75-76	83	5,000	1,000	338	1,380	10	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

food grade polyurethane, complies with: 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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

-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

ACCESSORIES

211

NORPLAST® PVC 384 FOOD

PVC hose, food hose and pharmaceutical hose, heavy



APPLICATIONS

flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying device, vacuum hopper, suction conveyor, dosing system; animal stall, -shed: feedstuff conveying, feedstuff plant, animal feed transport; silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging/-discharging, conveying of dry foods, e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

PROPERTIES

heavy duty; food grade wall, complies with: EU Directive 10/2011; good resistance to alkalis and acids; good resistance to chemicals; phthalate-free; 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	126,8	0,300	25 50	384-0025-1001
1,25 / 32	39	5,000	0,700	163,3	0,390	25 50	384-0032-1001
1,5 / 38	45	5,000	0,700	190,9	0,520	25 50	384-0038-1001
- / 40	48	5,000	0,700	202,4	0,550	25 50	384-0040-1001
2 / 50-51	60	5,000	0,700	253,0	0,800	25 50	384-0051-1001
2,36 / 60	69	5,000	0,700	296,7	0,970	25 50	384-0060-1001
2,5 / 63-65	72	5,000	0,700	310,5	1,040	25 50	384-0063-1001
3 / 75-76	86	5,000	0,700	349,6	1,380	25 50	384-0076-1001
- / 80	91	4,000	0,700	393,3	1,550	25 50	384-0080-1001
3,5 / 89-90	102	4,000	0,700	441,6	1,850	25 50	384-0090-1001
4 / 100-102	114	4,000	0,700	496,8	2,200	25 50	384-0102-1001
5 / 125-127	138	3,000	0,550	604,9	3,000	30	384-0125-1001
6 / 150-152	165	3,000	0,500	719,9	4,300	20	384-0150-1001

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 and exterior; wall: high grade soft PVC

ACCESSORIES

211; 270-271

INDUSTRIAL HOSES

Food and Pharma

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; food grade wall, complies with: FDA 21 CFR 177.1550; odourless and tasteless; 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); wall: PTFE coated glass fabric

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,420	0,270	18	0,570	6	475-0050-0000
2,36 / 60	72	0,375	0,220	20	0,640	6	475-0060-0000
2,5 / 63-65	77	0,360	0,200	22	0,720	6	475-0065-0000
3 / 75-76	87	0,330	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	0,190	0,085	28	0,820	6	475-0100-0000
- / 110	122	0,180	0,075	30	0,900	3 6	475-0110-0000
4,5 / 114-115	127	0,175	0,070	32	0,940	3 6	475-0115-0000
4,72 / 120	132	0,170	0,065	32	0,980	3 6	475-0120-0000
5 / 125-127	137	0,165	0,060	34	1,020	3 6	475-0125-0000
5,5 / 140	152	0,155	0,040	36	1,140	3 6	475-0140-0000
6 / 150-152	162	0,105	0,035	38	0,780	3 6	475-0150-0000
6,3 / 160	172	0,100	0,030	40	0,810	3 6	475-0160-0000
- / 170	182	0,095	0,030	42	0,850	3 6	475-0170-0000
7 / 178-180	192	0,090	0,025	44	0,900	3 6	475-0180-0000
8 / 200-203	212	0,085	0,020	46	1,000	3 6	475-0200-0000
- / 225	237	0,080	0,020	54	1,120	3 6	475-0225-0000
- / 250	262	0,060	0,015	58	1,240	3 6	475-0250-0000
- / 300	312	0,050	0,010	66	1,480	3 6	475-0300-0000
- / 350	362	0,040	0,010	78	1,730	3 6	475-0350-0000
- / 400	412	0,035	0,005	88	1,970	3 6	475-0400-0000
- / 450	462	0,030	0,005	96	2,210	3 6	475-0450-0000
- / 500	512	0,020	0,005	108	2,450	3 6	475-0500-0000
- / 600	612	0,020	0,005	126	2,940	3	475-0600-0000
- / 700	712	0,015	0,002	148	3,420	3	475-0700-0000
- / 800	812	0,015	0,001	168	3,910	3	475-0800-0000
- / 900	912	0,015	0,001	188	4,580	3	475-0900-0000
- / 1000	1012	0,010	0,001	208	4,880	3	475-1000-0000

Food and Pharma

INDUSTRIAL HOSES

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 device, 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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; 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; 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 - 1,5mm approx.

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

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	3,895	1,000	17	0,230	5 10	355-0020-1001
- / 25	32	3,470	0,900	20	0,280	5 10	355-0025-1001
- / 30	40	3,280	0,880	25	0,420	5 10	355-0030-1001
1,25 / 32	42	3,095	0,875	26	0,440	5 10 15	355-0032-1001
1,35 / 35	45	2,955	0,870	28	0,480	5 10	355-0035-1001
- / 38	48	2,925	0,865	29	0,520	5 10 15	355-0038-1001
- / 40	50	2,900	0,855	30	0,540	5 10 15	355-0040-1001
1,75 / 44-45	55	2,595	0,845	33	0,600	5 10	355-0045-1001
2 / 50-51	60	2,330	0,835	35	0,660	5 10	355-0050-1001
2,35 / 60	70	1,955	0,730	40	0,780	5 10	355-0060-1001
2,5 / 63-65	75	1,815	0,675	43	0,840	5 10	355-0065-1001
- / 70	81	1,690	0,605	52	0,960	5 10	355-0070-1001
3 / 75-76	86	1,575	0,555	66	1,050	5 10	355-0075-1001
- / 80	91	1,480	0,505	69	1,110	5 10	355-0080-1001
4 / 100-102	111	1,190	0,355	83	1,490	5 10 15	355-0100-1001
5 / 125-127	136	0,960	0,265	101	1,840	5 10	355-0125-1001
6 / 150-152	161	0,800	0,180	118	2,410	5 10	355-0150-1001
6,5 / 165	176	0,725	0,160	129	2,640	5 10	355-0165-1001
8 / 200-203	213	0,600	0,120	156	3,120	5 10	355-0200-1001
- / 250	263	0,485	0,075	191	3,880	5 10	355-0250-1001

INDUSTRIAL HOSES

Food and Pharma

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 device, 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 the latest Directive 2015/174, food grade polyurethane, complies with: 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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

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 - 1,5mm approx.

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

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	3,470	0,900	20	0,280	5 10	355-0025-1018
1,25 / 32	42	3,095	0,875	26	0,440	5 10	355-0032-1018
1,5 / 38	48	2,925	0,865	29	0,520	5 10	355-0038-1018
- / 40	50	2,900	0,855	30	0,540	5 10	355-0040-1018
2 / 50-51	60	2,330	0,835	35	0,660	5 10	355-0050-1018
2,36 / 60	70	1,955	0,730	40	0,780	5 10	355-0060-1018
2,5 / 63-65	75	1,815	0,675	43	0,840	5 10	355-0065-1018
- / 70	81	1,690	0,605	62	0,980	5 10	355-0070-1018
3 / 75-78	86	1,575	0,555	66	1,050	5 10	355-0075-1018
- / 80	91	1,480	0,505	69	1,110	5 10	355-0080-1018
4 / 100-102	111	1,190	0,355	83	1,490	5 10	355-0100-1018
5 / 125-127	136	0,960	0,265	101	1,840	5 10	355-0125-1018
6 / 150-152	161	0,800	0,180	118	2,410	5 10	355-0150-1018
7 / 178-180	191	0,700	0,150	139	2,900	5 10	355-0180-1018
8 / 200-203	213	0,630	0,135	156	3,120	5 10	355-0200-1018

Food and Pharma

INDUSTRIAL HOSES

AIRDUC® PUR 356 FOOD

Food hose and pharmaceutical hose, super-heavy



APPLICATIONS

flexible 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 device, 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 dry foods, e.g. rice, 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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; 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; 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

ACCESSORIES

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

I.D.	O.D.	Over-pressure	Under-pressure	Bonding Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1,25 / 32	43	4,895	1,000	90	0,680	5 10	356-0032-1001
1,5 / 38	49	4,160	1,000	104	0,790	5 10	356-0038-1001
- / 40	51	3,980	1,000	109	0,820	5 10	356-0040-1001
- / 50	61	3,425	1,000	134	1,000	5 10	356-0050-1001
2 / 51	62	3,450	1,000	134	1,020	5 10	356-0051-1001
2,38 / 60	71	2,995	1,000	156	1,180	5 10	356-0060-1001
2,5 / 63	74	2,830	1,000	163	1,230	5 10	356-0063-1001
- / 65	76	2,765	1,000	169	1,270	5 10	356-0065-1001
- / 70	82	2,575	1,000	186	1,370	5 10	356-0070-1001
- / 75	87	2,415	1,000	195	1,460	5 10	356-0075-1001
3 / 78	88	2,380	1,000	195	1,480	5 10	356-0078-1001
- / 80	92	2,260	1,000	205	1,550	5 10	356-0080-1001
- / 100	113	1,815	0,900	272	2,270	5 10	356-0100-1001
4 / 102	115	1,785	0,900	272	2,310	5 10	356-0102-1001
- / 125	138	1,465	0,810	336	2,800	5 10	356-0125-1001
5 / 127	140	1,435	0,800	336	2,840	5 10	356-0127-1001
- / 150	163	1,215	0,755	435	3,680	5 10	356-0150-1001
6 / 152	165	1,205	0,750	435	3,720	5 10	356-0152-1001

INDUSTRIAL HOSES

Food and Pharma

AIRDUC® PUR-INOX 356 FOOD-AS

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



APPLICATIONS

flexible 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 device, 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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; permanently antistatic wall: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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; 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

ACCESSORIES

216, 211, 228, 231, 232, 233, 234, 247, 249, 240 + 241 FOOD, 242, 243 FOOD, 244 FOOD, 245 FOOD, 246 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	5,150	1,000	90	0,680	5 10	356-0032-1018
1,5 / 38	49	4,380	1,000	104	0,790	5 10	356-0038-1018
- / 40	51	4,170	1,000	109	0,820	5 10	356-0040-1018
- / 50	61	3,650	1,000	134	1,000	5 10	356-0050-1018
2 / 51	62	3,650	1,000	134	1,020	5 10	356-0051-1018
2,35 / 60	71	3,150	1,000	156	1,180	5 10	356-0060-1018
2,5 / 63	74	3,050	1,000	163	1,230	5 10	356-0063-1018
- / 65	76	2,910	1,000	169	1,270	5 10	356-0065-1018
- / 70	82	2,710	1,000	186	1,370	5 10	356-0070-1018
- / 75	87	2,540	1,000	195	1,460	5 10	356-0075-1018
3 / 76	88	2,540	1,000	195	1,480	5 10	356-0076-1018
- / 80	92	2,380	1,000	205	1,550	5 10	356-0080-1018
3,5 / 89	101	2,100	1,000	250	1,700	5 10	356-0089-1018
- / 90	103	2,120	1,000	250	2,060	5 10	356-0090-1018
- / 100	113	1,910	1,000	272	2,270	5 10	356-0100-1018
4 / 102	115	1,920	1,000	272	2,310	5 10	356-0102-1018
- / 125	138	1,540	0,900	336	2,800	5 10	356-0125-1018
5 / 127	140	1,510	0,895	336	2,850	5 10	356-0127-1018
- / 150	163	1,280	0,840	435	3,680	5 10	356-0150-1018
6 / 152	165	1,270	0,830	435	3,730	5 10	356-0152-1018

Food and Pharma

INDUSTRIAL HOSES

AIRDUC® PUR 356 FOOD REINFORCED

Food hose and pharmaceutical hose, super-heavy and reinforced



APPLICATIONS

flexible 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 dry foods, e.g. rice, 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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals; very good low temperature flexibility; 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

ACCESSORIES

211, 230

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	4,010	1,000	189	1,490	10	356-0050-5100
2 / 51	68	3,950	1,000	192	1,500	10	356-0051-5100
2,36 / 60	77	3,465	1,000	216	1,760	10	356-0060-5100
2,5 / 63	80	3,310	1,000	224	1,810	10	356-0063-5100
- / 65	82	3,200	1,000	230	1,890	10	356-0065-5100
- / 75	92	2,795	1,000	257	2,040	10	356-0075-5100
3 / 76	97	2,790	1,000	259	2,080	10	356-0076-5100
- / 80	97	2,620	1,000	270	2,300	10	356-0080-5100
3,5 / 89	106	2,385	1,000	295	2,840	10	356-0089-5100
- / 90	107	2,360	1,000	297	2,900	10	356-0090-5100
- / 100	117	2,100	1,000	324	3,200	10	356-0100-5100
4 / 102	119	2,070	1,000	330	3,260	10	356-0102-5100
4,5 / 115	132	1,815	0,960	365	3,640	10	356-0115-5100
- / 125	142	1,695	0,930	392	3,950	10	356-0125-5100
5 / 127	144	1,660	0,930	398	4,010	10	356-0127-5100
- / 150	167	1,410	0,900	460	5,050	10	356-0150-5100
6 / 152	169	1,395	0,900	465	5,110	10	356-0152-5100

INDUSTRIAL HOSES

Food and Pharma

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 2002/72/EC, incl. amending Directives 2008/39/EC and 975/2009, German guideline III BfR; 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

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

ACCESSORIES

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

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	1,130	0,570	17	0,210	10	362-0025-0000
- / 28	34	1,040	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	0,775	0,475	26	0,260	10	362-0038-0000
- / 40	47	0,740	0,460	27	0,280	10	362-0040-0000
2 / 50-51	57	0,595	0,395	32	0,340	10	362-0050-0000
2,38 / 60	67	0,495	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	0,425	0,230	44	0,500	10	362-0070-0000
3 / 75-76	84	0,395	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	0,330	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	0,270	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	0,185	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

Food and Pharma

INDUSTRIAL HOSES

NORPLAST® PUR-C 386 AS *

Antistatic polyurethane hose, heavy, grounding wire



* Refer to page 14 for details

BARDUC® PVC 381 FOOD

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



* Refer to page 17 for details

Agricultural Industry **INDUSTRIAL HOSES**

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: DIN 4102-B1; permanently antistatic wall: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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.

ACCESSORIES

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

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	0,610	0,285	27	0,220	5 10 15	301-0038-0000
- / 40	48	0,590	0,270	28	0,230	5 10 15	301-0040-0000
2 / 50.51	58	0,490	0,258	33	0,280	5 10 15	301-0050-0000
2,36 / 60	68	0,410	0,205	38	0,340	5 10 15	301-0060-0000
2,5 / 63.65	73	0,380	0,183	40	0,360	5 10 15	301-0065-0000
- / 70	78	0,350	0,150	43	0,380	5 10 15	301-0070-0000
3 / 75.76	83	0,330	0,140	45	0,410	5 10 15	301-0075-0000
- / 80	88	0,310	0,130	48	0,440	5 10 15	301-0080-0000
3,5 / 89.90	98	0,285	0,113	53	0,490	5 10 15	301-0090-0000
4 / 100-102	108	0,250	0,085	58	0,510	5 10 15	301-0100-0000
4,5 / 114-115	123	0,215	0,075	66	0,580	5 10 15	301-0115-0000
4,72 / 120	128	0,205	0,075	68	0,610	5 10 15	301-0120-0000
5 / 125-127	133	0,200	0,060	71	0,630	5 10 15	301-0125-0000
5,5 / 140	148	0,175	0,055	78	0,710	5 10 15	301-0140-0000
6 / 150-152	158	0,165	0,055	83	0,760	5 10 15	301-0150-0000
6,3 / 160	168	0,155	0,048	88	0,810	5 10 15	301-0160-0000
7 / 178-180	188	0,135	0,038	98	0,900	5 10 15	301-0180-0000
8 / 200-203	208	0,120	0,038	108	1,030	5 10 15	301-0200-0000
- / 225	234	0,110	0,027	122	1,160	5 10 15	301-0225-0000
- / 250	259	0,100	0,016	136	1,280	5 10	301-0250-0000
10 / 254	263	0,098	0,016	144	1,300	5 10	301-0254-0000
11 / 280	289	0,090	0,010	149	1,430	5 10	301-0280-0000
- / 300	309	0,080	0,010	159	1,700	5 10	301-0300-0000
12 / 305	315	0,080	0,010	163	1,730	5 10	301-0305-0000
- / 350	360	0,070	0,010	185	2,000	5 10	301-0350-0000
14 / 356	366	0,069	0,010	190	2,100	5 10	301-0356-0000
- / 400	410	0,060	0,007	210	2,260	5 10	301-0400-0000
- / 450	460	0,055	0,005	235	2,520	5 10	301-0450-0000
- / 500	510	0,050	0,005	260	2,780	5 10	301-0500-0000

Agricultural Industry

INDUSTRIAL HOSES

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: DIN 4102-B1; permanently antistatic wall: electrical and surface resistance <math><10^9 \Omega</math>; in accordance with ATEX 2014/34/EU 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; 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.

ACCESSORIES

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

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	1,600	0,370	20	0,170	5 10	330-0025-1002
- / 30	37	1,345	0,355	22	0,200	5 10	330-0030-1002
1,25 / 32	39	1,260	0,350	23	0,210	5 10 15	330-0032-1002
1,5 / 38	45	1,060	0,320	26	0,250	5 10 15	330-0038-1002
- / 40	47	1,015	0,315	27	0,280	5 10 15	330-0040-1002
2 / 50-51	58	0,815	0,275	33	0,360	5 10 15	330-0050-1002
2,36 / 60	68	0,680	0,258	38	0,430	5 10 15	330-0060-1002
2,5 / 63-65	73	0,630	0,225	41	0,470	5 10	330-0065-1002
- / 70	78	0,585	0,188	43	0,500	5 10 15	330-0070-1002
3 / 75-76	83	0,545	0,156	46	0,530	5 10 15	330-0075-1002
- / 80	88	0,510	0,145	48	0,570	5 10 15	330-0080-1002
3,5 / 89-90	98	0,455	0,135	53	0,630	5 10 15	330-0090-1002
4 / 100-102	108	0,410	0,120	58	0,660	5 10 15	330-0100-1002
- / 110	118	0,375	0,095	63	0,730	5 10 15	330-0110-1002
4,5 / 114-115	123	0,355	0,085	66	0,760	5 10 15	330-0115-1002
4,72 / 120	128	0,340	0,085	68	0,790	5 10	330-0120-1002
5 / 125-127	133	0,330	0,078	71	0,820	5 10 15	330-0125-1002
- / 130	138	0,315	0,063	73	0,850	5 10	330-0130-1002
5,5 / 140	148	0,295	0,063	78	0,920	5 10 15	330-0140-1002
6 / 150-152	158	0,275	0,063	83	0,980	5 10 15	330-0150-1002
6,3 / 160	168	0,255	0,056	88	1,040	5 10 15	330-0160-1002
- / 170	178	0,240	0,058	93	1,110	5 10	330-0170-1002
- / 175	183	0,235	0,048	96	1,140	5 10	330-0175-1002
7 / 178-180	188	0,230	0,042	98	1,170	5 10 15	330-0180-1002
8 / 200-203	208	0,205	0,042	108	1,540	5 10 15	330-0200-1002
- / 225	233	0,180	0,042	121	1,750	5 10 15	330-0225-1002
- / 250	258	0,165	0,032	133	1,900	5 10 15	330-0250-1002
10 / 254	262	0,165	0,016	135	1,940	5 10 15	330-0254-1002
11 / 280	288	0,145	0,016	148	2,150	5 10	330-0280-1002
- / 300	309	0,135	0,016	159	2,530	5 10 15	330-0300-1002
12 / 306	314	0,135	0,016	162	2,570	5 10 15	330-0306-1002
- / 315	324	0,130	0,016	167	2,650	5 10	330-0315-1002
- / 350	359	0,115	0,010	184	2,950	5 10	330-0350-1002
14 / 356	365	0,113	0,010	187	3,000	5 10	330-0356-1002
- / 400	409	0,105	0,010	209	3,300	5 10	330-0400-1002
- / 450	459	0,090	0,010	234	3,770	5 10	330-0450-1002
- / 500	510	0,080	0,005	260	5,180	5 10	330-0500-1002

INDUSTRIAL HOSES

Agricultural Industry

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; 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.

ACCESSORIES

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

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	0,670	0,200	22	0,240	5 10	310-0030-0000
1,25 / 32	39	0,630	0,200	23	0,260	5 10	310-0032-0000
1,5 / 38	45	0,550	0,185	26	0,300	5 10	310-0038-0000
- / 40	47	0,510	0,180	27	0,320	5 10	310-0040-0000
2 / 50-51	58	0,410	0,155	33	0,310	5 10	310-0050-0000
2,36 / 60	68	0,340	0,120	38	0,360	5 10	310-0060-0000
2,5 / 63-65	73	0,315	0,105	41	0,390	5 10	310-0065-0000
- / 70	78	0,290	0,090	43	0,420	5 10	310-0070-0000
3 / 75-76	83	0,270	0,085	46	0,450	5 10	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	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	310-0110-0000
4,5 / 114-115	123	0,180	0,045	66	0,650	5 10	310-0115-0000
4,72 / 120	128	0,170	0,045	68	0,680	5 10	310-0120-0000
5 / 125-127	133	0,165	0,035	71	0,710	5 10	310-0125-0000
5,5 / 140	148	0,150	0,035	78	0,790	5 10	310-0140-0000
6 / 150-152	158	0,140	0,035	83	0,840	5 10	310-0150-0000
6,3 / 160	168	0,130	0,030	88	0,870	5 10	310-0160-0000
7 / 178-180	198	0,115	0,025	98	1,000	5 10	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	0,080	0,010	133	1,390	5 10	310-0250-0000
- / 300	309	0,070	0,010	159	1,950	5 10	310-0300-0000

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

ACCESSORIES

211, 270-271

Agricultural Industry

INDUSTRIAL HOSES

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 according to: NF P 92-503 M2; conforms to RoHS guideline

TEMPERATURE RANGE

-10°C to 80°C
short time to 110°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 grey							
- / 40	43	0,250	0,150	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	0,195	0,115	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	0,070	43	0,190	6 10	371-0080-0000
3,5 / 89-90	93	0,140	0,060	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	0,100	0,035	67	0,320	6 10	371-0127-0000
5,5 / 140	143	0,090	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	0,025	83	0,440	6 10	371-0160-0000
7 / 178-180	183	0,070	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	0,050	0,010	131	0,790	6 10	371-0254-0000
12 / 305	309	0,040	0,005	157	0,950	6 10	371-0305-0000
14 / 356	360	0,035	0,005	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	0,020	0,002	260	1,560	6 10	371-0508-0000

DESIGN, MATERIAL

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

ACCESSORIES

208, 228, 223, 270-271

NORPLAST® PVC 383 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 device/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose; scrubber, floor cleaning machine; vacuum lifting device, 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

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	66	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

ACCESSORIES

208, 228, 223, 270-271

INDUSTRIAL HOSES

Agricultural Industry

NORPLAST® PUR 385 AS

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



APPLICATIONS

flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases; welding mask: breathing air respirator, breathing hose (special type on request); 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 device/ 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; flame-retardant according to: DIN 4102-B1;

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	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

permanently antistatic wall: electrical and surface resistance $10^9 \Omega$ approx.; conforms to the safety regulations of the German Wood Trade Association; 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: permanently antistatic premium ester-polyurethane (Pre-PUR®)

ACCESSORIES

208; 228; 223; 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;

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	0,210	25 50	379-0020-0000
1 / 25	30	5,000	0,600	123,4	0,270	25 50	379-0025-0000
1,25 / 32	38	4,000	0,600	157,1	0,350	25 50	379-0032-0000
1,5 / 38	44	4,000	0,600	184,0	0,470	25 50	379-0038-0000
- / 40	46	3,000	0,500	193,0	0,510	25 50	379-0040-0000
2 / 50-51	58	3,000	0,500	242,4	0,700	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

good resistance to chemicals; very good low temperature flexibility; conforms to RoHS guideline

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

ACCESSORIES

211, 270-271

Agricultural Industry

INDUSTRIAL HOSES

NORPLAST® PVC 388 SUPERELASTIC

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



APPLICATIONS

flexible hose/ ducting for liquids and for powder, bulk material, granulate and for gases; agricultural industry: irrigation, fertilizers, insecticides; vacuum lifting device, 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
2,25 / 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	388-0075-0000
- / 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

ACCESSORIES

208, 228, 223, 270-271

NORPLAST® PVC 389 SUPERELASTIC

PVC hose, super-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; 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	
1 / 25	33	4,000	0,900	72,5	0,410	25 50	389-0025-1012
1,25 / 32	40	3,500	0,900	94,0	0,600	25 50	389-0032-1012
1,5 / 38	47	3,000	0,900	111,0	0,700	25 50	389-0038-1012
2 / 50-51	61	2,800	0,900	144,5	1,000	25 50	389-0051-1012
2,5 / 63-65	74	2,400	0,900	188,5	1,390	25 50	389-0063-1012
3 / 75-76	87	2,000	0,900	222,0	1,700	25 50	389-0075-1012
- / 80	93	1,800	0,900	235,0	1,850	25 50	389-0080-1012
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
5 / 125-127	142	1,200	0,600	366,5	3,600	10 30	389-0127-1012
6 / 150-152	170	1,000	0,600	449,0	5,000	10 20	389-0152-1012

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

ACCESSORIES

211, 270-271

INDUSTRIAL HOSES

Agricultural Industry

NORPLAST® PVC 389 SUPERELASTIC PLUS

PVC hose, heavy, flexible at low temp. (down to -40°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	33	4,000	0,800	72,5	0,410	25 50	389-0025-0000
1,25 / 32	40	6,000	0,800	94,0	0,600	25 50	389-0032-0000
1,5 / 38	47	5,000	0,900	111,0	0,700	25 50	389-0038-0000
- / 40	49	5,000	0,800	115,0	0,730	25 50	389-0040-0000
2 / 50-51	61	4,000	0,700	144,5	1,000	25 50	389-0051-0000
2,5 / 63-65	74	2,100	0,900	188,5	1,300	25 50	389-0063-0000
3 / 75-76	87	1,900	0,700	222,0	1,700	25 50	389-0076-0000
- / 80	93	1,800	0,700	235,0	1,850	25 50	389-0080-0000
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
5 / 125-127	142	2,000	0,850	366,5	3,600	10 30	389-0127-0000
6 / 150-152	170	2,000	0,800	449,0	5,000	10 20	389-0152-0000

APPLICATIONS

flexible 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

TEMPERATURE RANGE

-40°C to 60°C

DESIGN, MATERIAL

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

ACCESSORIES

211, 270-271

Agricultural Industry

INDUSTRIAL HOSES

AIRDUC® PUR 355 AS *

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



* Refer to page 11 for details

AIRDUC® PUR 356 AS *

Antistatic polyurethane hose, super-heavy, microbe resistant



* Refer to page 12 for details

NORFLEX® PUR 441 ROBOTIC *

Abrasion resistant polyurethane hose/ tubing for industrial robots,
fabric reinforced high pressure hose



* Refer to page 20 for details

INDUSTRIAL HOSES

Agricultural Industry

NORFLEX® PVC 440 HIGH PRESSURE *

PVC hose/ tubing, fabric reinforced high pressure hose



* Refer to page 19 for details

AIRDUC® PUR 351 FOOD *

Food hose and pharmaceutical hose, medium-heavy and reinforced



* Refer to page 27 for details

AIRDUC® PUR 355 FOOD *

Food hose and pharmaceutical hose, heavy



* Refer to page 30 for details

Agricultural Industry

INDUSTRIAL HOSES

AIRDUC® PUR 356 FOOD *

Food hose and pharmaceutical hose, super-heavy



* Refer to page 32 for details

BARDUC® PVC 381 FOOD *

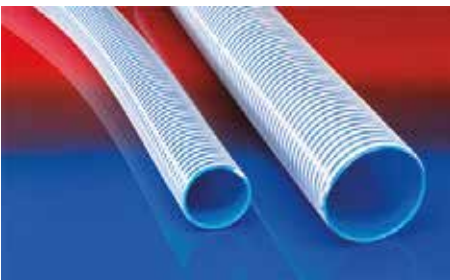
PVC hose, heavy, smooth interior and exterior, vacuum-proof



* Refer to page 17 for details

NORPLAST® PUR 387 *

Polyurethane hose, super-heavy



* Refer to page 22 for details

INDUSTRIAL HOSES

Agricultural Industry

NORPLAST® PVC 384 FOOD *

PVC hose, food hose and pharmaceutical hose, heavy



* Refer to page 28 for details

INDUSTRIAL HOSES Raw Material Processing

AIRDUC® PUR 356 EC

Electrically conductive polyurethane hose, super-heavy



APPLICATIONS

flexible 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, tunneling; 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 <math><10^9 \Omega</math>; in accordance with ATEX 2014/34/EU and German TRGS 727; pneumatic transport of flammable dusts and bulk materials

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	3,725	1,000	104	0,790	10	356-0038-1003
- / 40	51	3,545	1,000	109	0,820	10	356-0040-1003
- / 50	61	3,170	1,000	134	1,000	10	356-0050-1003
2 / 51	62	3,100	1,000	134	1,010	10	356-0051-1003
2,36 / 60	71	2,680	1,000	156	1,180	10	356-0060-1003
2,5 / 63	74	2,590	1,000	163	1,240	10	356-0063-1003
- / 65	76	2,475	1,000	169	1,270	10	356-0065-1003
- / 70	82	2,305	1,000	186	1,370	10	356-0070-1003
- / 75	87	2,160	1,000	195	1,460	10	356-0075-1003
3 / 76	88	2,100	1,000	195	1,480	10	356-0076-1003
- / 80	92	2,025	1,000	205	1,550	10	356-0080-1003
- / 100	113	1,625	0,930	272	2,270	10	356-0100-1003
4 / 102	115	1,600	0,930	272	2,310	10	356-0102-1003

(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

ACCESSORIES

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

PROTAPE® PUR-INOX 330 FOOD-AS

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 the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600; odourless and tasteless; microbe and hydrolysis resistant; good resistance to oil, gasoline and chemicals;

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	1,015	0,315	27	0,280	5 10	330-0040-1018
2 / 60-61	68	0,815	0,275	33	0,360	5 10	330-0060-1018
2,36 / 60	68	0,680	0,258	38	0,430	5 10	330-0060-1018
2,5 / 63-65	73	0,630	0,225	41	0,470	5 10	330-0065-1018
- / 70	78	0,585	0,188	43	0,500	5 10	330-0070-1018
3 / 75-76	83	0,545	0,156	46	0,530	5 10	330-0075-1018
- / 80	88	0,510	0,145	48	0,570	5 10	330-0080-1018
4 / 100-102	108	0,410	0,120	58	0,660	5 10	330-0100-1018
5 / 125-127	133	0,330	0,078	71	0,820	5 10	330-0125-1018
6 / 150-152	158	0,275	0,063	83	0,980	5 10	330-0150-1018
7 / 178-180	188	0,215	0,042	98	1,180	5 10	330-0180-1018
8 / 200-203	208	0,205	0,042	108	1,290	5 10	330-0200-1018

very good low temperature flexibility; permanently antistatic wall: electrical and surface resistance <math><10^9 \Omega</math>; in accordance with ATEX 2014/34/EU 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

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.

ACCESSORIES

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

INDUSTRIAL HOSES

Raw Material Processing

AIRDUC® PUR 356 AS *

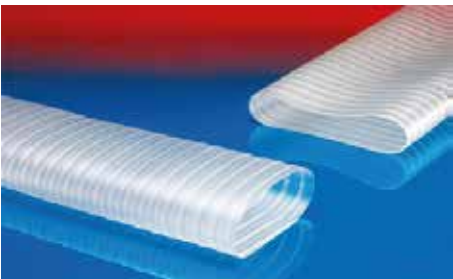
Antistatic polyurethane hose, super-heavy, microbe resistant



* Refer to page 12 for details

PROTAPE® PUR-C 335 FOOD-AS FLAT

Screening machine hose and compensator, vibration resistant



* Refer to page 22 for details

PROTAPE® PUR 330 FOOD

Food hose and pharmaceutical hose, light



* Refer to page 25 for details

Raw Material Processing

INDUSTRIAL HOSES

AIRDUC® PUR 356 FOOD *

Food hose and pharmaceutical hose, super-heavy



* Refer to page 32 for details

AIRDUC® PUR-INOX 356 FOOD-AS

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



* Refer to page 33 for details

AIRDUC® PUR 356 FOOD REINFORCED

Food hose and pharmaceutical hose, super-heavy and reinforced



* Refer to page 16 for details

INDUSTRIAL HOSES

Raw Material Processing

BARDUC® PUR-INOX 382 FOOD-AS

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



* Refer to page 28 for details

NORPLAST® PUR-C 386 AS *

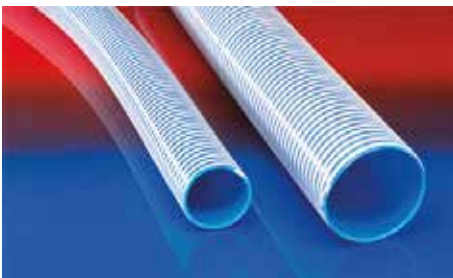
Antistatic polyurethane hose, heavy, grounding wire



* Refer to page 14 for details

NORPLAST® PUR 387 *

Polyurethane hose, super-heavy



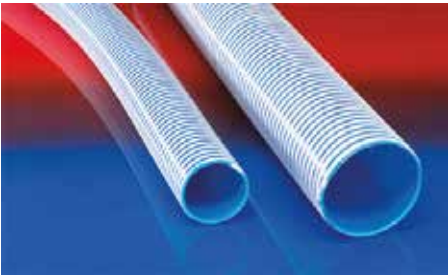
* Refer to page 22 for details

Raw Material Processing

INDUSTRIAL HOSES

NORPLAST® PUR-C 387 AS *

Antistatic polyurethane hose, super-heavy, grounding wire



* Refer to page 24 for details

NORPLAST® PVC 384 FOOD *

PVC hose, food hose and pharmaceutical hose, heavy



* Refer to page 28 for details

PROTAPE® PUR 301 AS

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



* Refer to page 37 for details

INDUSTRIAL HOSES

Raw Material Processing

PROTAPE® PUR 330 AS

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



* Refer to page 38 for details

INDUSTRIAL HOSES Fume and Dust Extraction

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: electrical and surface resistance <math><10^9 \Omega</math>; in accordance with ATEX 2014/34/EU and German TRGS 727.

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	1,015	0,315	27	0,280	10	330-0040-3030
2 / 50-51	58	0,815	0,275	33	0,360	10	330-0050-3030
2,36 / 60	68	0,680	0,225	38	0,430	10	330-0060-3030
3 / 75-76	83	0,545	0,145	46	0,530	10	330-0075-3030
- / 80	88	0,510	0,135	48	0,570	10	330-0080-3030
4 / 100-102	108	0,410	0,095	58	0,660	10	330-0100-3030
4,72 / 120	128	0,340	0,078	68	0,790	10	330-0120-3030
5 / 125-127	133	0,330	0,063	71	0,820	10	330-0125-3030
5,5 / 140	148	0,295	0,063	78	0,920	10	330-0140-3030
6 / 150-152	158	0,275	0,058	83	0,980	10	330-0150-3030
6,3 / 160	168	0,255	0,058	88	1,040	10	330-0160-3030
8 / 200-203	208	0,205	0,042	108	1,540	10	330-0200-3030

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

-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.

ACCESSORIES

212, 217, 213, 228, 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: electrical and surface resistance <math><10^9 \Omega</math>;

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	1,360	0,505	32	0,330	10	350-0040-3030
2 / 50-51	57	1,350	0,435	38	0,400	10	350-0050-3030
2,36 / 60	67	1,140	0,338	44	0,480	10	350-0060-3030
- / 70	77	0,975	0,245	50	0,560	10	350-0070-3030
3 / 75-76	82	0,910	0,220	53	0,590	10	350-0075-3030
- / 80	87	0,855	0,190	56	0,640	10	350-0080-3030
4 / 100-102	107	0,690	0,115	68	0,800	10	350-0100-3030
4,72 / 120	127	0,570	0,095	80	0,950	10	350-0120-3030
5 / 125-127	132	0,550	0,080	83	0,980	10	350-0125-3030
5,5 / 140	147	0,490	0,080	92	1,090	10	350-0140-3030
6 / 150-152	157	0,465	0,075	96	1,400	10	350-0150-3030
6,3 / 160	167	0,415	0,065	104	1,500	10	350-0160-3030
8 / 200-203	207	0,315	0,050	128	1,860	10	350-0200-3030
- / 250	257	0,240	0,020	158	2,310	10	350-0250-3030
- / 300	307	0,200	0,020	188	2,770	10	350-0300-3030

in accordance with ATEX 2014/34/EU 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

ACCESSORIES

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

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.

INDUSTRIAL HOSES

Fume and Dust Extraction

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: DIN 4102-B1; permanently antistatic wall: electrical and surface resistance <math><10^9 \Omega</math>; in accordance with ATEX 2014/34/EU 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 ester-polyurethane (Pre-PUR®); wall thickness 0,7 mm approx.

ACCESSORIES

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

I.D. in / mm	O.D. mm	Over- pressure bar	Under- pressure bar	Bending Radius mm	Weight kg/m	Dimensions in Stock m	Order No.
1 / 25	32	2,585	0,610	23	0,190	5 10	350-0025-1002
- / 30	37	2,245	0,585	26	0,250	5 10	350-0030-1002
1,25 / 32	39	2,105	0,570	27	0,270	5 10	350-0032-1002
1,5 / 38	45	1,780	0,525	31	0,310	5 10	350-0038-1002
- / 40	47	1,360	0,505	32	0,330	5 10	350-0040-1002
1,75 / 44-45	52	1,390	0,460	35	0,370	5 10	350-0045-1002
2 / 50-51	57	1,350	0,435	38	0,400	5 10 15	350-0050-1002
- / 55	62	1,240	0,395	41	0,440	5 10	350-0055-1002
2,36 / 60	67	1,140	0,338	44	0,480	5 10 15	350-0060-1002
2,5 / 63-65	70	1,020	0,295	47	0,520	5 10	350-0065-1002
- / 70	77	0,975	0,245	50	0,560	5 10	350-0070-1002
3 / 75-76	82	0,910	0,220	53	0,590	5 10	350-0075-1002
- / 80	87	0,855	0,190	56	0,640	5 10 15	350-0080-1002
3,5 / 89-90	97	0,760	0,160	62	0,720	5 10	350-0090-1002
4 / 100-102	107	0,690	0,115	68	0,800	5 10 15	350-0100-1002
- / 110	117	0,625	0,105	74	0,870	5 10	350-0110-1002
4,5 / 114-115	122	0,600	0,100	77	0,900	5 10	350-0115-1002
4,72 / 120	127	0,570	0,095	80	0,950	5 10	350-0120-1002
5 / 125-127	132	0,550	0,080	83	0,980	5 10	350-0125-1002
- / 130	137	0,525	0,080	86	1,010	5 10	350-0130-1002
5,5 / 140	147	0,490	0,080	92	1,090	5 10	350-0140-1002
6 / 150-152	157	0,455	0,075	98	1,400	5 10 15	350-0150-1002
6,3 / 160	167	0,415	0,065	104	1,500	5 10	350-0160-1002
- / 170	177	0,390	0,060	108	1,580	5 10	350-0170-1002
- / 175	182	0,355	0,050	113	1,630	5 10	350-0175-1002
7 / 178-180	187	0,350	0,050	116	1,670	10	350-0180-1002
8 / 200-203	207	0,315	0,050	128	1,860	5 10 15	350-0200-1002
- / 225	232	0,265	0,035	143	2,080	5 10	350-0225-1002
- / 250	257	0,240	0,020	158	2,310	5 10	350-0250-1002
10 / 254	261	0,236	0,020	160	2,350	5 10	350-0254-1002
- / 275	282	0,220	0,020	173	2,540	5 10	350-0275-1002
11 / 280	287	0,210	0,020	176	2,590	5 10	350-0280-1002
- / 300	307	0,200	0,020	188	2,770	5 10	350-0300-1002
12 / 305	312	0,196	0,018	191	2,810	5 10	350-0305-1002
- / 315	322	0,190	0,015	197	2,900	5 10	350-0315-1002
- / 350	357	0,170	0,015	218	3,220	5 10	350-0350-1002
14 / 350	363	0,167	0,010	222	3,340	5 10	350-0356-1002
- / 400	407	0,150	0,010	248	4,170	5 10	350-0400-1002
- / 450	457	0,135	0,010	281	4,690	5 10	350-0450-1002
- / 500	507	0,120	0,010	313	5,200	5 10	350-0500-1002

Fume and Dust Extraction

INDUSTRIAL HOSES

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; 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.

ACCESSORIES

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

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	1,370	0,260	17	0,190	10	341-0020-0000
1 / 25	32	1,110	0,260	20	0,230	10	341-0025-0000
- / 30	38	0,930	0,235	23	0,250	10	341-0030-0000
1,25 / 32	40	0,875	0,230	24	0,270	10	341-0032-0000
1,38 / 35	43	0,800	0,225	26	0,300	10	341-0035-0000
1,5 / 38	46	0,740	0,215	27	0,320	10	341-0038-0000
- / 40	48	0,705	0,210	28	0,330	10	341-0040-0000
- / 42	50	0,670	0,205	29	0,350	10	341-0042-0000
1,75 / 44-45	53	0,630	0,195	31	0,370	10	341-0045-0000
2 / 50-51	58	0,565	0,180	33	0,410	10 15	341-0050-0000
- / 55	63	0,515	0,160	36	0,450	10	341-0055-0000
2,38 / 60	68	0,475	0,145	38	0,490	10 15	341-0060-0000
2,5 / 63-65	73	0,440	0,125	41	0,520	10	341-0065-0000
- / 70	79	0,410	0,105	44	0,540	10	341-0070-0000
3 / 75-76	84	0,380	0,095	47	0,580	10	341-0075-0000
- / 80	89	0,360	0,090	49	0,610	10	341-0080-0000
3,5 / 89-90	99	0,320	0,075	54	0,700	10	341-0090-0000
4 / 100-102	109	0,285	0,060	59	0,850	10 15	341-0100-0000
- / 105	114	0,275	0,060	62	0,890	10	341-0105-0000
- / 110	119	0,260	0,055	64	0,940	10	341-0110-0000
4,5 / 114-115	124	0,250	0,055	67	0,980	10	341-0115-0000
4,72 / 120	129	0,240	0,050	69	1,020	10	341-0120-0000
5 / 125-127	134	0,230	0,040	72	1,060	10	341-0125-0000
- / 130	139	0,220	0,040	74	1,100	10	341-0130-0000
5,5 / 140	149	0,205	0,040	79	1,180	10	341-0140-0000
6 / 150-152	159	0,190	0,040	84	1,260	10	341-0150-0000
6,3 / 160	169	0,180	0,035	89	1,350	10	341-0160-0000
7 / 178-180	189	0,160	0,030	99	1,510	10	341-0180-0000
8 / 200-203	209	0,145	0,030	109	1,670	10 15	341-0200-0000
- / 225	234	0,130	0,020	122	2,260	10	341-0225-0000
- / 250	259	0,115	0,010	134	2,510	10	341-0250-0000
11 / 280	289	0,100	0,010	149	2,800	10	341-0280-0000
- / 300	309	0,095	0,010	159	3,000	10	341-0300-0000
- / 350	359	0,080	0,005	184	3,500	10	341-0350-0000

INDUSTRIAL HOSES

Fume and Dust Extraction

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; 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 - 1,5mm approx.

ACCESSORIES

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

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	2,050	0,950	18	0,280	10	345-0020-0000
1 / 25	33	1,730	0,935	21	0,330	10	345-0025-0000
- / 30	40	1,700	0,915	25	0,450	10	345-0030-0000
1,25 / 32	42	1,690	0,905	26	0,470	10	345-0032-0000
1,35 / 35	45	1,550	0,900	28	0,510	10	345-0035-0000
1,5 / 38	48	1,440	0,895	29	0,550	10	345-0038-0000
- / 40	50	1,370	0,875	30	0,570	10	345-0040-0000
- / 42	52	1,310	0,860	31	0,600	10	345-0042-0000
2 / 50-51	60	1,260	0,840	35	0,700	10 15	345-0050-0000
2,38 / 60	70	1,050	0,705	40	0,830	10 15	345-0060-0000
2,5 / 63-65	75	0,980	0,625	43	0,890	10	345-0065-0000
- / 70	82	0,915	0,560	63	1,060	10	345-0070-0000
3 / 75-76	87	0,855	0,515	67	1,130	10	345-0075-0000
- / 80	92	0,805	0,480	70	1,200	10	345-0080-0000
- / 85	97	0,755	0,450	74	1,270	10	345-0085-0000
3,5 / 89-90	102	0,715	0,405	77	1,340	10	345-0090-0000
4 / 100-102	112	0,645	0,335	84	1,480	10	345-0100-0000
- / 105	117	0,615	0,320	88	1,550	10	345-0105-0000
- / 110	122	0,590	0,300	91	1,620	10	345-0110-0000
4,5 / 114-115	127	0,565	0,280	95	1,680	10	345-0115-0000
4,72 / 120	132	0,540	0,270	98	1,750	10	345-0120-0000
5 / 125-127	137	0,520	0,260	102	1,820	10	345-0125-0000
- / 130	142	0,500	0,245	105	1,890	10	345-0130-0000
5,5 / 140	152	0,465	0,225	112	2,030	10	345-0140-0000
6 / 150-152	162	0,435	0,190	119	2,330	10	345-0150-0000
6,3 / 160	172	0,405	0,170	126	2,480	10	345-0160-0000
7 / 178-180	192	0,360	0,130	140	2,780	10	345-0180-0000
8 / 200-203	213	0,325	0,090	156	3,140	10	345-0200-0000
- / 225	238	0,290	0,080	174	3,520	10	345-0225-0000
- / 250	263	0,260	0,065	191	3,900	10	345-0250-0000
11 / 280	293	0,235	0,060	212	4,350	10	345-0280-0000
- / 300	313	0,220	0,055	226	4,650	10	345-0300-0000
- / 325	338	0,200	0,050	244	5,470	10	345-0325-0000
- / 350	363	0,185	0,045	261	5,880	10	345-0350-0000

Fume and Dust Extraction

INDUSTRIAL HOSES

PROTAPE® PUR-INOX 330 FOOD-AS

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 the latest Directive 2015/174, food grade polyurethane, complies with: 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: electrical and surface resistance <math><10^9 \Omega</math>;

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	1,015	0,315	27	0,280	5 10	330-0040-1018
2 / 50-51	58	0,815	0,275	33	0,360	5 10	330-0050-1018
2,36 / 60	68	0,680	0,258	38	0,430	5 10	330-0060-1018
2,5 / 63-65	73	0,630	0,225	41	0,470	5 10	330-0065-1018
- / 70	78	0,585	0,188	43	0,500	5 10	330-0070-1018
3 / 75-76	83	0,545	0,156	46	0,530	5 10	330-0075-1018
- / 80	88	0,510	0,145	48	0,570	5 10	330-0080-1018
4 / 100-102	108	0,410	0,120	58	0,660	5 10	330-0100-1018
5 / 125-127	133	0,330	0,078	71	0,820	5 10	330-0125-1018
6 / 150-152	158	0,275	0,063	83	0,980	5 10	330-0150-1018
7 / 178-180	188	0,215	0,042	98	1,160	5 10	330-0180-1018
8 / 200-203	208	0,205	0,042	108	1,290	5 10	330-0200-1018

in accordance with ATEX 2014/34/EU 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

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.

ACCESSORIES

212, 217, 213, 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 according to: NF P 92-503 M1; 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	
2 / 50-51	54	0,240	0,145	29	0,120	7,5	371-0051-1015
3 / 75-76	79	0,160	0,080	41	0,180	7,5	371-0076-1015
- / 80	83	0,150	0,070	43	0,190	7,5	371-0080-1015
3,5 / 89-90	93	0,140	0,060	48	0,200	7,5	371-0090-1015
4 / 100-102	105	0,120	0,050	54	0,240	7,5	371-0102-1015
- / 110	113	0,110	0,045	58	0,270	7,5	371-0110-1015
5 / 125-127	130	0,100	0,035	67	0,320	7,5	371-0127-1015
5,5 / 140	143	0,090	0,035	73	0,350	7,5	371-0140-1015
6 / 150-152	155	0,080	0,035	79	0,370	7,5	371-0152-1015
6,3 / 160	163	0,075	0,025	83	0,440	7,5	371-0160-1015
7 / 178-180	183	0,070	0,020	93	0,540	7,5	371-0180-1015
8 / 200-203	205	0,060	0,020	105	0,600	7,5	371-0203-1015
10 / 254	258	0,050	0,010	131	0,790	7,5	371-0254-1015
12 / 305	309	0,040	0,005	157	0,950	7,5	371-0305-1015

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.

ACCESSORIES

208, 228, 223, 270-271

INDUSTRIAL HOSES

Fume and Dust Extraction

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 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,640	0,350	14	0,340	6	465-0038-0000
- / 40	52	0,630	0,340	15	0,360	6	465-0040-0000
2 / 50-51	62	0,600	0,340	18	0,440	6	465-0050-0000
2,36 / 60	72	0,550	0,250	20	0,510	6	465-0060-0000
2,5 / 63-65	77	0,500	0,230	22	0,540	6	465-0065-0000
3 / 75-76	87	0,350	0,180	24	0,630	6	465-0075-0000
- / 80	92	0,300	0,160	24	0,660	6	465-0080-0000
3,5 / 89-90	102	0,260	0,110	26	0,740	6	465-0090-0000
4 / 100-102	112	0,230	0,100	28	0,540	6	465-0100-0000
- / 110	122	0,200	0,085	30	0,580	3 6	465-0110-0000
4,5 / 114-115	127	0,185	0,080	32	0,600	3 6	465-0115-0000
4,72 / 120	132	0,180	0,075	32	0,630	3 6	465-0120-0000
5 / 125-127	137	0,170	0,070	34	0,660	3 6	465-0125-0000
5,5 / 140	152	0,140	0,050	36	0,730	3 6	465-0140-0000
6 / 150-152	162	0,135	0,040	38	0,790	3 6	465-0150-0000
6,3 / 160	172	0,130	0,035	40	0,830	3 6	465-0160-0000
- / 170	182	0,120	0,035	42	0,880	3 6	465-0170-0000
7 / 178-180	192	0,105	0,030	44	0,930	3 6	465-0180-0000
8 / 200-203	212	0,100	0,025	48	0,800	3 6	465-0200-0000
- / 225	237	0,080	0,020	54	0,880	3 6	465-0225-0000
- / 250	262	0,080	0,020	58	0,980	3 6	465-0250-0000
- / 300	312	0,060	0,010	68	1,170	3 6	465-0300-0000
- / 350	362	0,050	0,010	78	1,360	3 6	465-0350-0000
- / 400	412	0,030	0,010	88	1,550	3 6	465-0400-0000
- / 450	462	0,030	0,005	98	1,750	3 6	465-0450-0000
- / 500	512	0,030	0,005	108	1,940	3 6	465-0500-0000
- / 600	612	0,020	0,005	128	2,320	3 6	465-0600-0000
- / 700	712	0,020	0,002	148	2,700	3 6	465-0700-0000
- / 800	812	0,020	0,001	168	3,090	3 6	465-0800-0000
- / 900	912	0,010	0,001	188	3,470	3 6	465-0900-0000
- / 1000	1012	0,005	0,001	208	3,850	3 6	465-1000-0000

Fume and Dust Extraction

INDUSTRIAL HOSES

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, tunneling; 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 $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

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	0,480	0,280	27	0,300	10	322-0040-1003
2 / 50-51	58	0,370	0,240	33	0,180	10	322-0050-1003
2,36 / 60	68	0,305	0,190	38	0,210	10	322-0060-1003
3 / 75-76	83	0,250	0,130	46	0,260	10	322-0075-1003
- / 80	88	0,230	0,120	48	0,290	10	322-0080-1003
3,5 / 89-90	98	0,200	0,100	53	0,310	10	322-0090-1003
4 / 100-102	108	0,185	0,080	58	0,370	10	322-0100-1003
- / 110	118	0,170	0,075	63	0,400	10	322-0110-1003
5 / 125-127	133	0,150	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	0,560	10	322-0150-1003
6,3 / 160	168	0,115	0,045	88	0,580	10	322-0160-1003
8 / 200-203	208	0,090	0,035	108	0,730	10	322-0200-1003
- / 250	258	0,075	0,015	133	0,990	10	322-0250-1003
- / 300	309	0,060	0,010	159	1,250	10	322-0300-1003

TEMPERATURE RANGE

-35°C to 80°C

DESIGN, MATERIAL

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

ACCESSORIES

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

PROTAPE® PUR 370

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; conforms to RoHS guideline

DESIGN, MATERIAL

PROTAPE® tape hose; spring steel wire integrated in wall; fabric-reinforced tape; wall: polyurethane 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	
2 / 50-51	59	0,880	0,355	34	0,840	7,5 15	370-0051-0000
2,36 / 60	68	0,780	0,275	38	0,810	7,5 15	370-0060-0000
2,5 / 63-65	73	0,755	0,245	38	0,800	7,5 15	370-0065-0000
3 / 75-76	84	0,702	0,185	38	0,774	7,5 15	370-0076-0000
- / 80	88	0,660	0,165	32	0,780	7,5 15	370-0080-0000
3,5 / 89-90	98	0,578	0,145	38	0,800	7,5 15	370-0090-0000
4 / 100-102	110	0,525	0,110	41	0,804	7,5 15	370-0102-0000
- / 110	120	0,500	0,100	33	0,810	7,5 15	370-0110-0000
5 / 125-127	138	0,438	0,075	32	0,925	7,5 15	370-0127-0000
5,5 / 140	151	0,380	0,075	35	1,040	7,5 15	370-0140-0000
6 / 150-152	163	0,360	0,065	32	1,070	7,5 15	370-0152-0000
6,5 / 165	176	0,305	0,055	50	1,274	7,5 15	370-0165-0000
7 / 178-180	196	0,285	0,045	58	1,478	7,5 15	370-0180-0000
8 / 200-203	216	0,260	0,040	69	1,750	7,5 15	370-0203-0000
10 / 254	268	0,210	0,010	59	1,990	7,5 15	370-0254-0000
12 / 305	319	0,160	0,010	78	2,550	7,5 15	370-0305-0000
14 / 358	371	0,140	0,050	87	3,100	7,5 15	370-0358-0000
16 / 405-406	422	0,120	0,050	83	3,800	7,5 15	370-0406-0000

TEMPERATURE RANGE

-40°C to 125°C

ACCESSORIES

208, 228, 223, 270-271

INDUSTRIAL HOSES

Fume and Dust Extraction

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, tunneling: 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 $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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 nonflammable 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

DESIGN, MATERIAL

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

ACCESSORIES

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

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	0,505	23	0,220	10	362-0032-1003
1,5 / 38	45	0,660	0,475	26	0,260	10	362-0038-1003
- / 40	47	0,630	0,460	27	0,270	10	362-0040-1003
2 / 50-51	57	0,505	0,395	32	0,330	10	362-0050-1003
2,36 / 60	67	0,420	0,320	37	0,400	10	362-0060-1003
- / 70	79	0,360	0,230	44	0,460	10	362-0070-1003
- / 80	89	0,320	0,200	49	0,520	10	362-0080-1003
3,5 / 89-90	99	0,280	0,170	54	0,590	10	362-0090-1003
4 / 100-102	109	0,255	0,135	59	0,760	10	362-0100-1003
5 / 125-127	134	0,205	0,090	72	0,940	10	362-0125-1003
5,5 / 140	149	0,185	0,090	79	1,060	10	362-0140-1003
6 / 150-152	159	0,170	0,090	84	1,130	10	362-0150-1003
6,3 / 160	169	0,155	0,075	89	1,210	10	362-0160-1003
8 / 200-203	210	0,130	0,060	110	1,510	10	362-0200-1003
- / 250	260	0,100	0,025	135	1,880	10	362-0250-1003
11 / 280	290	0,090	0,020	150	2,100	10	362-0280-1003
- / 300	310	0,085	0,020	160	2,260	10	362-0300-1003

Fume and Dust Extraction

INDUSTRIAL HOSES

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 <math> < 10^9 \Omega </math>; in accordance with ATEX 2014/34/ EU 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)

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,470	0,310	14	0,480	6	457-0038-1003
- / 40	52	0,450	0,305	15	0,500	6	457-0040-1003
2 / 50-51	62	0,420	0,270	18	0,600	6	457-0050-1003
2,36 / 60	72	0,375	0,220	20	0,700	6	457-0060-1003
2,5 / 63-65	77	0,360	0,200	22	0,760	6	457-0065-1003
3 / 75-76	87	0,330	0,160	24	0,860	6	457-0075-1003
- / 80	92	0,315	0,140	24	0,920	6	457-0080-1003
3,5 / 89-90	102	0,290	0,100	26	1,020	6	457-0090-1003
4 / 100-102	112	0,190	0,085	28	0,820	6	457-0100-1003
- / 110	122	0,180	0,075	30	0,900	3 6	457-0110-1003
4,5 / 114-115	127	0,175	0,070	32	0,940	3 6	457-0115-1003
4,72 / 120	132	0,170	0,065	32	0,980	3 6	457-0120-1003
5 / 125-127	137	0,165	0,060	34	1,000	3 6	457-0125-1003
5,5 / 140	152	0,155	0,040	36	1,140	3 6	457-0140-1003
6 / 150-152	162	0,105	0,035	38	0,820	3 6	457-0150-1003
6,3 / 160	172	0,100	0,030	40	0,840	3 6	457-0160-1003
- / 170	182	0,095	0,030	42	0,890	3 6	457-0170-1003
7 / 178-180	192	0,090	0,025	44	0,940	3 6	457-0180-1003
8 / 200-203	212	0,085	0,020	48	0,800	3 6	457-0200-1003
- / 225	237	0,080	0,020	54	0,890	3 6	457-0225-1003
- / 250	262	0,060	0,015	58	0,990	3 6	457-0250-1003
- / 300	312	0,050	0,010	68	1,180	3 6	457-0300-1003
- / 350	362	0,040	0,010	78	1,380	3 6	457-0350-1003
- / 400	412	0,035	0,005	88	1,570	3 6	457-0400-1003
- / 450	462	0,030	0,005	98	1,770	3 6	457-0450-1003
- / 500	512	0,020	0,005	108	1,960	3 6	457-0500-1003
- / 600	612	0,020	0,005	128	2,360	3 6	457-0600-1003
- / 700	712	0,015	0,002	148	2,740	3 6	457-0700-1003
- / 800	812	0,015	0,001	168	3,120	3 6	457-0800-1003
- / 900	912	0,015	0,001	188	3,510	3 6	457-0900-1003
- / 1000	1012	0,010	0,001	208	3,900	3 6	457-1000-1003

INDUSTRIAL HOSES

Fume and Dust Extraction

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 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,340	6	466-0038-0000
- / 40	52	0,870	0,360	15	0,360	6	466-0040-0000
2 / 50-51	62	0,820	0,320	18	0,440	6	466-0050-0000
2,36 / 60	72	0,650	0,220	20	0,520	6	466-0060-0000
2,5 / 63-65	77	0,590	0,200	22	0,550	6	466-0065-0000
3 / 75-76	87	0,450	0,145	24	0,640	6	466-0075-0000
- / 80	92	0,420	0,120	24	0,670	6	466-0080-0000
3,5 / 89-90	102	0,350	0,105	26	0,750	6	466-0090-0000
4 / 100-102	112	0,300	0,090	28	0,550	6	466-0100-0000
- / 110	122	0,025	0,070	30	0,590	3 6	466-0110-0000
4,5 / 114-115	127	0,023	0,065	32	0,620	3 6	466-0115-0000
4,72 / 120	132	0,022	0,060	32	0,640	3 6	466-0120-0000
5 / 125-127	137	0,210	0,055	34	0,670	3 6	466-0125-0000
5,5 / 140	152	0,170	0,045	36	0,740	3 6	466-0140-0000
6 / 150-152	162	0,160	0,040	38	0,800	3 6	466-0150-0000
6,3 / 160	172	0,140	0,035	40	0,840	3 6	466-0160-0000
- / 170	182	0,130	0,030	42	0,900	3 6	466-0170-0000
7 / 178-180	192	0,115	0,022	44	0,950	3 6	466-0180-0000
8 / 200-203	212	0,100	0,020	48	0,810	3 6	466-0200-0000
- / 225	237	0,080	0,016	54	0,900	3 6	466-0225-0000
- / 250	262	0,070	0,012	58	1,000	3 6	466-0250-0000
- / 300	312	0,055	0,009	68	1,200	3 6	466-0300-0000
- / 350	362	0,040	0,006	78	1,390	3 6	466-0350-0000
- / 400	412	0,030	0,005	88	1,590	3 6	466-0400-0000
- / 450	462	0,025	0,004	98	1,780	3 6	466-0450-0000
- / 500	512	0,020	0,003	108	1,980	3 6	466-0500-0000
- / 600	612	0,015	0,002	128	2,370	3 6	466-0600-0000
- / 700	712	0,015	0,002	148	2,760	3 6	466-0700-0000
- / 800	812	0,010	0,001	168	3,150	3 6	466-0800-0000
- / 900	912	0,010	0,001	188	3,540	3 6	466-0900-0000
- / 1000	1012	0,010	0,001	208	3,930	3 6	466-1000-0000

Fume and Dust Extraction

INDUSTRIAL HOSES

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; paper mill, paper and pulp industry: waste water, air 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,700	0,370	18	0,680	6	476-0050-0000
2,36 / 60	72	0,650	0,310	20	0,800	6	476-0060-0000
2,5 / 63-65	77	0,600	0,285	22	0,860	6	476-0065-0000
3 / 75-76	87	0,435	0,225	24	0,980	6	476-0075-0000
- / 80	92	0,420	0,210	24	1,040	6	476-0080-0000
3,5 / 89-90	102	0,385	0,195	26	1,160	6	476-0090-0000
4 / 100-102	112	0,255	0,160	28	0,950	6	476-0100-0000
- / 110	122	0,240	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	0,220	0,105	34	1,180	3 6	476-0125-0000
5,5 / 140	152	0,205	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
- / 170	182	0,130	0,056	42	1,070	3 6	476-0170-0000
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
- / 225	237	0,105	0,032	54	1,400	3 6	476-0225-0000
- / 250	262	0,080	0,027	58	1,560	3 6	476-0250-0000
- / 300	312	0,070	0,016	68	1,860	3 6	476-0300-0000
- / 350	362	0,050	0,015	76	2,160	3 6	476-0350-0000
- / 400	412	0,045	0,012	88	2,470	3 6	476-0400-0000
- / 450	462	0,045	0,005	98	2,770	3 6	476-0450-0000
- / 500	512	0,030	0,005	110	3,070	3 6	476-0500-0000
- / 600	612	0,025	0,005	130	3,680	3	476-0600-0000
- / 700	712	0,020	0,002	151	4,290	3	476-0700-0000
- / 800	812	0,020	0,001	168	4,900	3	476-0800-0000
- / 900	912	0,015	0,001	188	5,500	3	476-0900-0000
- / 1000	1012	0,015	0,001	208	6,110	3	476-1000-0000

INDUSTRIAL HOSES

Fume and Dust Extraction

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

ACCESSORIES

212, 217, 213, 228, 270-271

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
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
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 / 80-90	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
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
- / 170	182	0,200	0,030	42	1,070	3 6	467-0170-0000
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
- / 225	237	0,110	0,016	54	1,400	3 6	467-0225-0000
- / 250	262	0,100	0,012	58	1,560	3 6	467-0250-0000
- / 300	312	0,070	0,009	68	1,850	3 6	467-0300-0000
- / 350	362	0,055	0,006	78	2,160	3 6	467-0350-0000
- / 400	412	0,048	0,005	88	2,470	3 6	467-0400-0000
- / 450	462	0,045	0,004	98	2,770	3 6	467-0450-0000
- / 500	512	0,042	0,003	108	3,070	3 6	467-0500-0000
- / 600	612	0,038	0,002	128	3,680	3 6	467-0600-0000
- / 700	712	0,030	0,002	148	4,290	3 6	467-0700-0000
- / 800	812	0,020	0,001	168	4,900	3 6	467-0800-0000
- / 900	912	0,015	0,001	188	5,500	3 6	467-0900-0000
- / 1000	1012	0,015	0,001	208	6,110	3 6	467-1000-0000

Fume and Dust Extraction

INDUSTRIAL HOSES

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)

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,440	6	457-0050-0000
2,36 / 60	72	0,440	0,220	20	0,510	6	457-0060-0000
2,5 / 63-65	77	0,420	0,200	22	0,540	6	457-0065-0000
3 / 75-76	87	0,380	0,160	24	0,630	6	457-0075-0000
- / 80	92	0,365	0,140	24	0,670	6	457-0080-0000
3,5 / 89-90	102	0,340	0,100	26	0,750	6	457-0090-0000
4 / 100-102	112	0,225	0,085	28	0,540	6	457-0100-0000
- / 110	122	0,210	0,075	30	0,580	3 6	457-0110-0000
4,5 / 114-115	127	0,205	0,070	32	0,610	3 6	457-0115-0000
4,72 / 120	132	0,200	0,085	32	0,640	3 6	457-0120-0000
5 / 125-127	137	0,195	0,060	34	0,660	3 6	457-0125-0000
5,5 / 140	152	0,180	0,040	36	0,740	3 6	457-0140-0000
6 / 150-152	162	0,120	0,035	36	0,790	3 6	457-0150-0000
6,3 / 160	172	0,115	0,030	40	0,840	3 6	457-0160-0000
- / 170	182	0,110	0,030	42	0,890	3 6	457-0170-0000
7 / 178-180	192	0,110	0,025	44	0,940	3 6	457-0180-0000
8 / 200-203	212	0,100	0,020	48	0,800	3 6	457-0200-0000
- / 225	237	0,090	0,020	54	0,890	3 6	457-0225-0000
- / 250	262	0,070	0,015	58	0,990	3 6	457-0250-0000
- / 300	312	0,060	0,010	68	1,180	3 6	457-0300-0000
- / 350	362	0,045	0,010	78	1,380	3 6	457-0350-0000
- / 400	412	0,040	0,005	88	1,570	3 6	457-0400-0000
- / 450	462	0,035	0,005	98	1,770	3 6	457-0450-0000
- / 500	512	0,025	0,005	108	1,960	3 6	457-0500-0000
- / 600	612	0,020	0,005	128	2,360	3 6	457-0600-0000
- / 700	712	0,019	0,002	148	2,740	3 6	457-0700-0000
- / 800	812	0,015	0,001	168	3,120	3 6	457-0800-0000
- / 900	912	0,015	0,001	188	3,510	3 6	457-0900-0000
- / 1000	1012	0,015	0,001	208	3,900	3 6	457-1000-0000

INDUSTRIAL HOSES

Fume and Dust Extraction

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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,805	0,450	21	0,570	6	450-0038-0000
- / 40	52	0,785	0,440	22	0,590	6	450-0040-0000
2 / 50-51	62	0,700	0,380	25	0,760	6	450-0050-0000
2,38 / 60	72	0,630	0,320	28	0,890	6	450-0060-0000
2,5 / 63-65	77	0,600	0,290	30	0,900	6	450-0065-0000
3 / 75-76	87	0,545	0,230	33	1,100	6	450-0075-0000
- / 80	92	0,525	0,200	34	1,160	6	450-0080-0000
3,5 / 89-90	102	0,485	0,140	37	1,300	6	450-0090-0000
4 / 100-102	112	0,320	0,120	28	1,030	6	450-0100-0000
- / 110	122	0,300	0,105	30	1,130	3 6	450-0110-0000
4,5 / 114-115	127	0,290	0,098	32	1,170	3 6	450-0115-0000
4,72 / 120	132	0,280	0,090	32	1,220	3 6	450-0120-0000
5 / 125-127	137	0,275	0,085	34	1,270	3 6	450-0125-0000
5,5 / 140	152	0,255	0,060	36	1,420	3 6	450-0140-0000
6 / 150-152	162	0,175	0,050	38	1,040	3 6	450-0150-0000
6,3 / 160	172	0,165	0,045	40	1,110	3 6	450-0160-0000
- / 170	182	0,160	0,040	42	1,170	3 6	450-0170-0000
7 / 178-180	192	0,155	0,040	44	1,240	3 6	450-0180-0000
8 / 200-203	212	0,145	0,030	48	1,370	3 6	450-0200-0000
- / 225	237	0,135	0,025	54	1,540	3 6	450-0225-0000
- / 250	262	0,100	0,025	58	1,710	3 6	450-0250-0000
- / 300	312	0,090	0,015	68	2,040	3 6	450-0300-0000
- / 350	362	0,065	0,015	78	2,370	3 6	450-0350-0000
- / 400	412	0,060	0,010	88	2,710	3 6	450-0400-0000
- / 450	462	0,055	0,010	98	3,040	3 6	450-0450-0000
- / 500	512	0,035	0,005	108	3,370	3 6	450-0500-0000
- / 600	612	0,030	0,005	128	4,040	3	450-0600-0000
- / 700	712	0,025	0,002	148	4,710	3	450-0700-0000
- / 800	812	0,025	0,002	168	5,370	3	450-0800-0000
- / 900	912	0,020	0,001	188	6,040	3	450-0900-0000
- / 1000	1012	0,020	0,001	208	6,710	3	450-1000-0000

Fume and Dust Extraction

INDUSTRIAL HOSES

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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,420	0,300	18	0,840	6	472-0050-0000
2,36 / 60	72	0,375	0,250	20	0,900	6	472-0060-0000
2,5 / 63-65	77	0,360	0,230	22	1,060	6	472-0065-0000
3 / 75-76	87	0,330	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	0,190	0,100	28	1,160	6	472-0100-0000
- / 110	122	0,180	0,085	30	1,260	3 6	472-0110-0000
4,5 / 114-115	127	0,175	0,080	32	1,310	3 6	472-0115-0000
4,72 / 120	132	0,170	0,075	32	1,370	3 6	472-0120-0000
5 / 125-127	137	0,165	0,070	34	1,430	3 6	472-0125-0000
5,5 / 140	152	0,155	0,050	36	1,590	3 6	472-0140-0000
6 / 150-152	162	0,105	0,040	38	1,200	3 6	472-0150-0000
6,3 / 160	172	0,100	0,035	40	1,270	3 6	472-0160-0000
- / 170	182	0,095	0,035	42	1,350	3 6	472-0170-0000
7 / 178-180	192	0,090	0,030	44	1,420	3 6	472-0180-0000
8 / 200-203	212	0,085	0,025	48	1,580	3 6	472-0200-0000
- / 225	237	0,080	0,020	54	1,750	3 6	472-0225-0000
- / 250	262	0,060	0,020	58	1,960	3 6	472-0250-0000
- / 300	312	0,050	0,010	68	2,340	3 6	472-0300-0000
- / 350	362	0,040	0,010	78	2,720	3 6	472-0350-0000
- / 400	412	0,035	0,010	88	3,100	3 6	472-0400-0000
- / 450	462	0,030	0,005	98	3,490	3 6	472-0450-0000
- / 500	512	0,020	0,005	108	3,870	3 6	472-0500-0000
- / 600	612	0,020	0,005	128	4,830	3	472-0600-0000
- / 700	712	0,015	0,002	148	5,390	3	472-0700-0000
- / 800	812	0,015	0,001	168	6,160	3	472-0800-0000
- / 900	912	0,015	0,001	188	6,920	3	472-0900-0000
- / 1000	1012	0,010	0,001	208	7,680	3	472-1000-0000

INDUSTRIAL HOSES

Fume and Dust Extraction

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 $<10^4 \Omega$; in accordance with ATEX 2014/34/EU 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,805	0,450	21	0,480	6	459-0038-0000
- / 40	52	0,785	0,440	22	0,530	6	459-0040-0000
2 / 50-51	62	0,700	0,380	25	0,640	6	459-0050-0000
2,36 / 60	72	0,630	0,320	26	0,760	6	459-0060-0000
2,5 / 63-65	77	0,600	0,290	30	0,810	6	459-0065-0000
3 / 75-76	87	0,545	0,230	33	0,930	6	459-0075-0000
- / 80	92	0,525	0,200	34	0,980	6	459-0080-0000
3,5 / 89-90	102	0,485	0,140	37	1,100	6	459-0090-0000
4 / 100-102	112	0,320	0,120	28	0,900	6	459-0100-0000
- / 110	122	0,300	0,105	30	0,980	3 6	459-0110-0000
4,5 / 114-115	127	0,290	0,097	32	1,025	3 6	459-0115-0000
4,72 / 120	132	0,280	0,090	32	1,070	3 6	459-0120-0000
5 / 125-127	137	0,275	0,085	34	1,110	3 6	459-0125-0000
5,5 / 140	152	0,255	0,060	36	1,230	3 6	459-0140-0000
6 / 150-152	162	0,175	0,050	38	0,880	3 6	459-0150-0000
6,3 / 160	172	0,185	0,045	40	0,930	3 6	459-0160-0000
- / 170	182	0,160	0,040	42	0,990	3 6	459-0170-0000
7 / 178-180	192	0,155	0,040	44	1,040	3 6	459-0180-0000
8 / 200-203	212	0,145	0,030	48	1,180	3 6	459-0200-0000
- / 225	237	0,135	0,025	54	1,300	3 6	459-0225-0000
- / 250	262	0,100	0,025	58	1,440	3 6	459-0250-0000
- / 300	312	0,090	0,015	68	1,720	3 6	459-0300-0000
- / 350	362	0,060	0,010	78	2,000	3 6	459-0350-0000
- / 400	412	0,060	0,010	88	2,290	3 6	459-0400-0000
- / 450	462	0,055	0,010	98	2,560	3 6	459-0450-0000
- / 500	512	0,035	0,005	108	2,840	3 6	459-0500-0000
- / 600	612	0,030	0,005	128	3,400	3	459-0600-0000
- / 700	712	0,025	0,002	148	3,960	3	459-0700-0000
- / 800	812	0,025	0,002	168	4,520	3	459-0800-0000
- / 900	912	0,020	0,001	188	5,090	3	459-0900-0000
- / 1000	1012	0,020	0,001	208	5,650	3	459-1000-0000

Fume and Dust Extraction

INDUSTRIAL HOSES

CP PTFE/HYP-INOX 472 EC

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; 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; 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,420	0,300	18	0,840	6	472-0050-1003
2,36 / 60	72	0,375	0,250	20	0,960	6	472-0060-1003
2,5 / 63-65	77	0,360	0,230	22	1,060	6	472-0065-1003
3 / 75-76	87	0,330	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	0,190	0,100	28	1,160	6	472-0100-1003
- / 110	122	0,180	0,085	30	1,260	3 6	472-0110-1003
4,5 / 114-115	127	0,175	0,080	32	1,310	3 6	472-0115-1003
4,72 / 120	132	0,170	0,075	32	1,370	3 6	472-0120-1003
5 / 125-127	137	0,165	0,070	34	1,430	3 6	472-0125-1003
5,5 / 140	152	0,155	0,050	36	1,590	3 6	472-0140-1003
6 / 150-152	162	0,105	0,040	38	1,190	3 6	472-0150-1003
6,3 / 160	172	0,100	0,035	40	1,270	3 6	472-0160-1003
- / 170	182	0,095	0,035	42	1,350	3 6	472-0170-1003
7 / 178-180	192	0,090	0,030	44	1,420	3 6	472-0180-1003
8 / 200-203	212	0,085	0,025	48	1,580	3 6	472-0200-1003
- / 225	237	0,080	0,020	54	1,770	3 6	472-0225-1003
- / 250	262	0,060	0,020	58	1,960	3 6	472-0250-1003
- / 300	312	0,050	0,010	68	2,340	3 6	472-0300-1003
- / 350	362	0,040	0,010	78	2,720	3 6	472-0350-1003
- / 400	412	0,035	0,010	88	3,100	3 6	472-0400-1003
- / 450	462	0,030	0,005	98	3,870	3 6	472-0450-1003
- / 500	512	0,020	0,005	108	3,870	3 6	472-0500-1003
- / 600	612	0,020	0,005	128	4,630	3	472-0600-1003
- / 700	712	0,015	0,002	148	5,390	3	472-0700-1003
- / 800	812	0,015	0,001	168	6,160	3	472-0800-1003
- / 900	912	0,015	0,001	188	6,920	3	472-0900-1003
- / 1000	1012	0,010	0,001	208	7,680	3	472-1000-1003

INDUSTRIAL HOSES

Fume and Dust Extraction

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 $10^6 \Omega$; in accordance with ATEX 2014/34/EU 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,420	0,270	18	0,570	6	475-0050-1003
2,36 / 60	72	0,375	0,220	20	0,640	6	475-0060-1003
2,5 / 63-65	77	0,360	0,200	22	0,720	6	475-0065-1003
3 / 75-76	87	0,330	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	0,190	0,085	28	0,820	6	475-0100-1003
- / 110	122	0,180	0,075	30	0,900	3 6	475-0110-1003
4,5 / 114-115	127	0,175	0,070	31	0,940	3 6	475-0115-1003
4,72 / 120	132	0,170	0,065	32	0,980	3 6	475-0120-1003
5 / 125-127	137	0,165	0,060	34	1,020	3 6	475-0125-1003
5,5 / 140	152	0,155	0,040	36	1,140	3 6	475-0140-1003
6 / 150-152	162	0,105	0,035	38	0,760	3 6	475-0150-1003
6,3 / 160	172	0,100	0,030	40	0,810	3 6	475-0160-1003
- / 170	182	0,095	0,030	42	0,850	3 6	475-0170-1003
7 / 178-180	192	0,090	0,025	44	0,900	3 6	475-0180-1003
8 / 200-203	212	0,085	0,020	48	1,000	3 6	475-0200-1003
- / 225	237	0,080	0,020	54	1,120	3 6	475-0225-1003
- / 250	262	0,060	0,015	58	1,240	3 6	475-0250-1003
- / 300	312	0,050	0,010	68	1,480	3 6	475-0300-1003
- / 350	362	0,040	0,010	78	1,730	3 6	475-0350-1003
- / 400	412	0,035	0,005	88	1,970	3 6	475-0400-1003
- / 450	462	0,030	0,005	98	2,210	3 6	475-0450-1003
- / 500	512	0,020	0,005	108	2,450	3 6	475-0500-1003
- / 600	612	0,020	0,005	128	2,940	3	475-0600-1003
- / 700	712	0,015	0,002	148	3,420	3	475-0700-1003
- / 800	812	0,015	0,001	168	3,910	3	475-0800-1003
- / 900	912	0,015	0,001	188	4,580	3	475-0900-1003
- / 1000	1012	0,010	0,001	208	4,880	3	475-1000-1003

Fume and Dust Extraction

INDUSTRIAL HOSES

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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,420	0,300	18	0,610	6	471-0050-0000
2,38 / 60	72	0,375	0,250	20	0,720	6	471-0060-0000
2,5 / 63-65	77	0,360	0,230	22	0,770	6	471-0065-0000
3 / 75-78	87	0,330	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	0,190	0,100	28	0,860	6	471-0100-0000
- / 110	122	0,180	0,085	30	0,950	3,6	471-0110-0000
4,5 / 114-115	127	0,175	0,080	31	0,990	3,6	471-0115-0000
4,72 / 120	132	0,170	0,075	32	1,030	3,6	471-0120-0000
5 / 125-127	137	0,165	0,070	34	1,070	3,6	471-0125-0000
5,5 / 140	152	0,155	0,050	36	1,190	3,6	471-0140-0000
6 / 150-152	162	0,105	0,040	38	0,860	3,6	471-0150-0000
6,3 / 160	172	0,100	0,035	40	0,910	3,6	471-0160-0000
- / 170	182	0,095	0,030	42	0,970	3,6	471-0170-0000
7 / 178-180	192	0,090	0,030	44	1,020	3,6	471-0180-0000
8 / 200-203	212	0,085	0,025	48	1,130	3,6	471-0200-0000
- / 225	237	0,080	0,020	54	1,270	3,6	471-0225-0000
- / 250	262	0,060	0,020	58	1,400	3,6	471-0250-0000
- / 300	312	0,050	0,010	68	1,680	3,6	471-0300-0000
- / 350	362	0,040	0,010	78	1,950	3,6	471-0350-0000
- / 400	412	0,035	0,010	88	2,230	3,6	471-0400-0000
- / 450	462	0,030	0,005	98	2,500	3,6	471-0450-0000
- / 500	512	0,020	0,005	108	2,770	3,6	471-0500-0000
- / 600	612	0,020	0,005	128	3,320	3	471-0600-0000
- / 700	712	0,015	0,002	148	3,870	3	471-0700-0000
- / 800	812	0,015	0,001	168	4,420	3	471-0800-0000
- / 900	912	0,015	0,001	188	5,070	3	471-0900-0000
- / 1000	1012	0,010	0,001	208	5,510	3	471-1000-0000

INDUSTRIAL HOSES

Fume and Dust Extraction

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 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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,420	0,300	18	0,510	6	471-0050-1003
2,36 / 60	72	0,375	0,250	20	0,720	6	471-0060-1003
2,5 / 63-65	77	0,360	0,230	22	0,770	6	471-0065-1003
3 / 75-76	87	0,330	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	0,190	0,100	28	0,880	6	471-0100-1003
- / 110	122	0,180	0,085	30	0,950	3 6	471-0110-1003
4,5 / 114-115	127	0,175	0,080	32	0,990	3 6	471-0115-1003
4,72 / 120	132	0,170	0,075	32	1,030	3 6	471-0120-1003
5 / 125-127	137	0,165	0,070	34	1,070	3 6	471-0125-1003
5,5 / 140	152	0,155	0,050	36	1,190	3 6	471-0140-1003
6 / 150-152	162	0,105	0,040	38	0,860	3 6	471-0150-1003
6,3 / 160	172	0,100	0,035	40	0,910	3 6	471-0160-1003
- / 170	182	0,095	0,030	42	0,970	3 6	471-0170-1003
7 / 178-180	192	0,090	0,030	44	1,020	3 6	471-0180-1003
8 / 200-203	212	0,085	0,025	48	1,130	3 6	471-0200-1003
- / 225	237	0,080	0,020	54	1,270	3 6	471-0225-1003
- / 250	262	0,060	0,020	58	1,400	3 6	471-0250-1003
- / 300	312	0,050	0,010	68	1,680	3 6	471-0300-1003
- / 350	362	0,040	0,010	78	1,950	3 6	471-0350-1003
- / 400	412	0,035	0,010	88	2,230	3 6	471-0400-1003
- / 450	462	0,030	0,005	98	2,500	3 6	471-0450-1003
- / 500	512	0,020	0,005	108	2,770	3 6	471-0500-1003
- / 600	612	0,020	0,005	128	3,320	3	471-0600-1003
- / 700	712	0,015	0,002	148	3,870	3	471-0700-1003
- / 800	812	0,015	0,001	168	4,420	3	471-0800-1003
- / 900	912	0,015	0,001	188	5,070	3	471-0900-1003
- / 1000	1012	0,010	0,001	208	5,510	3	471-1000-1003

Fume and Dust Extraction

INDUSTRIAL HOSES

AIRDUC® PUR 351 FOOD *

Food hose and pharmaceutical hose, medium-heavy and reinforced



* Refer to page 27 for details

CP PTFE-INOX 475 FOOD *

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



* Refer to page 29 for details

PROTAPE® PUR 301 AS *

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



* Refer to page 37 for details

INDUSTRIAL HOSES Fume and Dust Extraction

PROTAPE® PUR 330 AS *

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



* Refer to page 38 for details

PROTAPE® PVC 310 *

PVC hose, light



* Refer to page 39 for details

PROTAPE® PVC 371 *

PVC ducting, (to +110°C)



* Refer to page 40 for details

INDUSTRIAL HOSES Wood Processing Industry

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 4102B1; permanently antistatic wall: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

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	58	0,259	33	0,240	5 10	531-0050-0000
2,36 / 60	68	0,205	38	0,340	5 10	531-0060-0000
2,5 / 63-65	73	0,183	40	0,360	5 10	531-0065-0000
- / 70	78	0,150	43	0,390	5 10	531-0070-0000
3 / 75-76	83	0,140	45	0,410	5 10	531-0075-0000
- / 80	88	0,130	48	0,440	5 10	531-0080-0000
3,5 / 89-90	98	0,113	53	0,490	5 10	531-0090-0000
4 / 100-102	108	0,085	58	0,520	5 10	531-0100-0000
- / 110	118	0,081	63	0,570	5 10	531-0110-0000
4,72 / 120	128	0,075	68	0,620	5 10	531-0120-0000
5 / 125-127	133	0,060	71	0,640	5 10	531-0125-0000
5,5 / 140	148	0,055	78	0,720	5 10	531-0140-0000
6 / 150-152	158	0,055	83	0,770	5 10	531-0150-0000
6,3 / 160	168	0,048	88	0,820	5 10	531-0160-0000
7 / 178-180	188	0,044	98	0,920	5 10	531-0180-0000
8 / 200-203	208	0,038	108	1,040	5 10	531-0200-0000
- / 250	258	0,016	138	1,300	5 10	531-0250-0000
11 / 280	288	0,010	149	1,450	5 10	531-0280-0000
- / 300	309	0,010	159	1,730	5 10	531-0300-0000
- / 315	324	0,010	167,5	1,820	5 10	531-0315-0000
- / 350	359	0,010	185	2,010	5 10	531-0350-0000
- / 400	409	0,007	210	2,300	5 10	531-0400-0000

DESIGN, MATERIAL

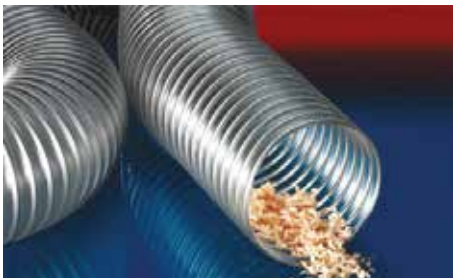
patented PROTAPE® tape hose; spring steel wire integrated in wall; wall: permanently antistatic premium polyurethane (Pre-PUR®), resistant to aggressive wood types and wood preservatives; wall thickness 0,4 mm approx.

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;

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
8 / 200-203	211	0,035	128	1,900	6 12	532-0200-2533
- / 225	236	0,025	143	2,100	6 12	532-0225-2533
- / 250	261	0,015	158	2,300	6 12	532-0250-2533
11 / 280	291	0,010	176	2,600	6 12	532-0280-2533
- / 300	311	0,010	188	2,800	6 12	532-0300-2533
- / 315	326	0,010	197	2,950	6 12	532-0315-2533
14 / 356	367	0,005	222	3,300	6 12	532-0356-2533
- / 400	411	0,005	248	3,700	6 12	532-0400-2533

according to DIN 26057 Type 2; 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: premium polyurethane, resistant to aggressive wood types and wood preservatives, with flame-retardant additive (Pre-PUR®); wall thickness 0,7 mm approx.

ACCESSORIES

212; 217; 213; 228; 223; 270-271

INDUSTRIAL HOSES Wood Processing Industry

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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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; 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.

ACCESSORIES

212; 217; 213; 228; 223; 270-271

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
- / 40	47	0,315	27	0,260	5 10	532-0040-0000
2 / 50-51	58	0,275	33	0,360	5 10	532-0050-0000
2,36 / 60	68	0,225	38	0,430	5 10 15	532-0060-0000
2,5 / 63-65	73	0,188	41	0,470	5 10	532-0065-0000
- / 70	78	0,156	43	0,500	5 10	532-0070-0000
3 / 75-76	83	0,145	46	0,530	5 10	532-0075-0000
- / 80	88	0,135	48	0,570	5 10 15	532-0080-0000
3,5 / 89-90	98	0,120	53	0,630	5 10	532-0090-0000
4 / 100-102	108	0,095	58	0,660	5 10 15	532-0100-0000
- / 110	118	0,085	63	0,730	5 10	532-0110-0000
4,72 / 120	128	0,078	68	0,790	5 10	532-0120-0000
5 / 125-127	133	0,063	71	0,820	5 10 15	532-0125-0000
- / 130	138	0,063	73	0,850	5 10	532-0130-0000
5,5 / 140	148	0,063	78	0,920	5 10 15	532-0140-0000
6 / 150-152	158	0,058	83	0,980	5 10 15	532-0150-0000
6,3 / 160	168	0,058	88	1,040	5 10 15	532-0160-0000
7 / 178-180	188	0,042	98	1,170	5 10 15	532-0180-0000
8 / 200-203	208	0,042	108	1,540	5 10 15	532-0200-0000
- / 225	233	0,032	121	1,750	5 10	532-0225-0000
- / 250	258	0,016	133	1,900	5 10	532-0250-0000
11 / 280	288	0,016	148	2,150	5 10	532-0280-0000
- / 300	309	0,016	159	2,530	5 10	532-0300-0000
- / 315	324	0,010	167	2,650	5 10	532-0315-0000
- / 350	359	0,010	184	2,950	5 10	532-0350-0000
- / 400	409	0,010	209	3,360	5 10	532-0400-0000

Wood Processing Industry **INDUSTRIAL HOSES**

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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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.

ACCESSORIES

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

I.D.	O.D.	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	mm	kg/m	m	
- / 40	48	0,420	32	0,350	5 10	533-0040-0000
1,75 / 44-45	53	0,385	35	0,380	5 10	533-0045-0000
2 / 50-51	58	0,365	38	0,420	5 10 15	533-0050-0000
2,36 / 60	68	0,285	44	0,490	5 10	533-0060-0000
2,5 / 63-65	73	0,255	47	0,530	5 10	533-0065-0000
- / 70	79	0,210	50	0,560	5 10	533-0070-0000
3 / 75-76	84	0,195	53	0,600	5 10	533-0075-0000
- / 80	89	0,175	56	0,630	5 10 15	533-0080-0000
3,5 / 89-90	99	0,155	62	0,710	5 10	533-0090-0000
4 / 100-102	109	0,120	68	0,780	5 10 15	533-0100-0000
- / 110	119	0,110	74	0,860	5 10	533-0110-0000
4,72 / 120	129	0,105	80	0,930	5 10 15	533-0120-0000
5 / 125-127	134	0,085	83	0,970	5 10	533-0125-0000
- / 130	139	0,085	86	1,000	5 10	533-0130-0000
5,5 / 140	149	0,085	92	1,080	5 10 15	533-0140-0000
6 / 150-152	159	0,075	98	1,370	5 10 15	533-0150-0000
6,3 / 160	169	0,065	104	1,480	5 10 15	533-0160-0000
7 / 178-180	189	0,055	116	1,630	5 10	533-0180-0000
8 / 200-203	209	0,055	128	1,810	5 10 15	533-0200-0000
- / 225	234	0,040	143	2,030	5 10	533-0225-0000
- / 250	259	0,020	158	2,250	5 10	533-0250-0000
11 / 280	289	0,020	176	2,510	5 10	533-0280-0000
- / 300	309	0,020	188	2,690	5 10	533-0300-0000
- / 315	324	0,020	197	2,820	5 10	533-0315-0000
- / 350	359	0,015	218	3,130	5 10	533-0350-0000
- / 400	409	0,010	248	4,020	5 10	533-0400-0000

INDUSTRIAL HOSES Wood Processing Industry

METAL HOSE 375

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



APPLICATIONS

flexible hose/ ducting for high throughput 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 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

DESIGN, MATERIAL

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

ACCESSORIES

270-271; 202 - 206

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

Wood Processing Industry INDUSTRIAL HOSES

METAL HOSE 375 HT

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



APPLICATIONS

flexible hose/ ducting for high throughput 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 $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

DESIGN, MATERIAL

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

ACCESSORIES

270-271; 202 - 206

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

INDUSTRIAL HOSES Wood Processing Industry

METAL HOSE INOX 376

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



APPLICATIONS

flexible hose/ ducting for high throughput 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 $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

ACCESSORIES

270-271; 202 - 206

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
1,38 / 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
2,38 / 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	206	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	296	633	7,520	5	376-0275-0000
- / 300	311	700	8,200	5	376-0300-0000

Wood Processing Industry **INDUSTRIAL HOSES**

AIRDUC® PUR 355 AS *

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



* Refer to page 11 for details

PROTAPE® PUR 301 AS *

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



* Refer to page 37 for details

PROTAPE® PUR 330 AS *

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

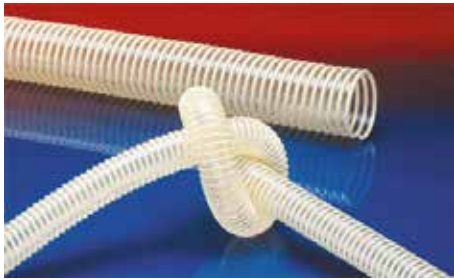


* Refer to page 38 for details

INDUSTRIAL HOSES Wood Processing Industry

NORPLAST® PUR 385 AS *

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



* Refer to page 41 for details

AIRDUC® PUR 350 AS *

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



* Refer to page 55 for details

Industrial Vacuum Cleaners

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, tunneling; 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 $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

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	2,285	0,460	23	0,200	10	351-0025-1003
- / 30	38	1,920	0,440	26	0,260	10	351-0030-1003
1,25 / 32	40	1,800	0,430	27	0,280	10	351-0032-1003
1,5 / 38	46	1,525	0,400	31	0,320	10	351-0038-1003
- / 40	48	1,455	0,390	32	0,340	10	351-0040-1003
2 / 50-51	58	1,165	0,340	38	0,410	10	351-0050-1003
2,38 / 60	68	0,980	0,265	44	0,490	10	351-0060-1003
2,5 / 63-65	73	0,900	0,235	47	0,530	10	351-0065-1003
- / 70	79	0,840	0,195	50	0,570	10	351-0070-1003
3 / 75-76	84	0,780	0,180	53	0,610	10	351-0075-1003
- / 80	89	0,730	0,165	56	0,650	10	351-0080-1003
3,5 / 89-90	99	0,655	0,145	62	0,730	10	351-0090-1003
4 / 100-102	109	0,585	0,115	68	0,790	10	351-0100-1003
- / 110	119	0,535	0,100	74	0,870	10	351-0110-1003
5 / 125-127	134	0,475	0,075	83	0,980	10	351-0125-1003
6 / 150-152	159	0,390	0,070	98	1,330	10	351-0150-1003
7 / 178-180	189	0,330	0,050	116	1,590	10	351-0180-1003
8 / 200-203	209	0,300	0,050	128	1,760	10	351-0200-1003
- / 250	259	0,240	0,020	158	2,430	10	351-0250-1003

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 0,7 mm approx.

ACCESSORIES

212, 212 EC, 217, 213, 228, 233, 234, 240 + 241, 240 EC, 242, 243, 244, 245, 246, 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 device/ 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

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	1,700	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
1,38 / 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

TEMPERATURE RANGE

0°C to 85°C

DESIGN, MATERIAL

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

ACCESSORIES

208, 228, 223, 226, 270-271

INDUSTRIAL HOSES Industrial Vacuum Cleaners

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, tunneling: 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 $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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.	Over-pressure	Under-pressure	Bending Radius	Weight	Dimensions in Stock	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	32	3,105	0,930	20	0,280	10	355-0025-1003
1,25 / 32	42	2,770	0,905	26	0,470	10	355-0032-1003
1,5 / 38	48	2,620	0,885	29	0,550	10	355-0038-1003
- / 40	50	2,595	0,880	30	0,570	10 15	355-0040-1003
2 / 50-51	60	2,085	0,865	35	0,710	10 15	355-0050-1003
2,36 / 60	70	1,750	0,755	40	0,830	10 15	355-0060-1003
2,5 / 63-65	75	1,625	0,700	43	0,890	10	355-0065-1003
- / 70	81	1,515	0,625	62	1,010	10 15	355-0070-1003
3 / 75-76	86	1,410	0,575	66	1,070	10	355-0075-1003
- / 80	91	1,325	0,520	69	1,140	10	355-0080-1003
3,5 / 89-90	101	1,105	0,395	76	1,270	10	355-0090-1003
4 / 100	111	1,065	0,365	83	1,410	10 15	355-0100-1003
- / 110	121	0,970	0,335	90	1,540	10	355-0110-1003
4,5 / 114-115	126	0,925	0,310	94	1,610	10	355-0115-1003
5 / 125-127	136	0,860	0,275	101	1,740	10	355-0125-1003
6 / 150-152	161	0,715	0,185	118	2,290	10	355-0150-1003
8 / 200	212	0,540	0,125	155	2,850	10	355-0200-1003
- / 315	328	0,345	0,060	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 - 1,5mm approx.

ACCESSORIES

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

EVA 373

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

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	80	0,370	30	373-0045-0000
2 / 50-51	60,4	0,500	97	0,440	30	373-0050-0000

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

ACCESSORIES

208, 228, 227

Industrial Vacuum Cleaners **INDUSTRIAL HOSES**

EVA 373 AS

Vacuum cleaner hose, antistatic $<10^{11}$ 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 $<10^{11}$ Ω ; in accordance with ATEX 2014/34/EU 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

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

TEMPERATURE RANGE

-25°C to 65°C

DESIGN, MATERIAL

EVA design; self-supporting profile design; open profile geometry; wall: EVA

ACCESSORIES

208, 228, 227

EVA 373 EC

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 $<10^6$ Ω ; in

accordance with ATEX 2014/34/EU 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

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

TEMPERATURE RANGE

-25°C to 65°C

DESIGN, MATERIAL

EVA design; self-supporting profile design; open profile geometry; wall: EVA

ACCESSORIES

208, 228, 227

INDUSTRIAL HOSES Industrial Vacuum Cleaners

AIRDUC® PUR 355 AS *

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



* Refer to page 11 for details

AIRDUC® PUR 356 AS *

Antistatic polyurethane hose, super-heavy, microbe resistant



* Refer to page 12 for details

AIRDUC® PUR-INOX 351 FOOD-AS *

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



* Refer to page 24 for details

Industrial Vacuum Cleaners **INDUSTRIAL HOSES**

AIRDUC® PUR-INOX 355 FOOD-AS *

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



* Refer to page 31 for details

Vehicle Exhaust Gas System

PROTAPE® TPE 326 MEMORY

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

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 10 15	326-0076-0000
4 / 100-102	119	0,050	71	0,710	5 10 15	326-0102-0000
5 / 125-127	144	0,035	89	0,870	5 10 15	326-0127-0000
6 / 150-152	169	0,030	106	1,040	5 10 15	326-0152-0000
8 / 200-203	220	0,010	143	1,370	5 10 15	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.).

DESIGN, MATERIAL

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

ACCESSORIES

212, 217, 213, 228, 270-271

CP HYP 450 PROTECT

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

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	0,230	48	1,000	2,5 5 6 7,5	450-0075-7500
4 / 100-102	114	0,120	58	1,030	2,5 5 7,5 10 12,5 15	450-0100-7500
5 / 125-127	139	0,085	70	1,270	2,5 5 7,5 10 12,5 15	450-0125-7500
6 / 150-152	164	0,050	81	1,270	2,5 5 7,5 10 12,5 15	450-0150-7500
8 / 200-203	214	0,030	103	1,560	2,5 5 7,5 10 12,5 15	450-0200-7500
- / 225	239	0,025	113	1,790	2,5 5 7,5 10 12,5 15	450-0225-7500
- / 250	264	0,020	125	1,940	2,5 5 7,5 10 12,5 15	450-0250-7500

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

ACCESSORIES

212, 217, 213, 228, 270-271

Vehicle Exhaust Gas System **INDUSTRIAL HOSES**

CP ARAMID 461 PROTECT

Exhaust gas hose, vibration resistant, outer protection profile



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	80	0,230	48	0,870	2,5 5 6 7,5	461-0075-7500
4 / 100-102	114	0,120	58	0,880	2,5 5 7,5 10 12,5 15	461-0100-7500
5 / 125-127	139	0,085	70	1,090	2,5 5 7,5 10 12,5 15	461-0125-7500
6 / 150-152	164	0,050	81	1,050	2,5 5 7,5 10 12,5 15	461-0150-7500
8 / 200-203	214	0,030	103	1,290	2,5 5 7,5 10 12,5 15	461-0200-7500
- / 225	239	0,025	113	1,490	2,5 5 7,5 10 12,5 15	461-0225-7500
- / 250	264	0,025	125	1,640	2,5 5 7,5 10 12,5 15	461-0250-7500

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

ACCESSORIES

212, 217, 213, 228, 270-271

CP HiTex 487

High-temperature hose, clamp profile hose (clip hose), (up to +500°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	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
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
- / 170	182	0,040	42	1,550	3,6	487-0170-0000
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
- / 225	237	0,025	54	2,030	3,6	487-0225-0000
- / 250	262	0,025	58	2,250	3,6	487-0250-0000
- / 300	312	0,015	68	2,690	3,6	487-0300-0000
- / 350	362	0,015	78	3,130	3,6	487-0350-0000
- / 400	412	0,010	88	3,580	3,6	487-0400-0000
- / 450	462	0,010	98	4,000	3,6	487-0450-0000
- / 500	512	0,005	108	4,440	3,6	487-0500-0000
- / 600	612	0,005	128	5,320	3	487-0600-0000
- / 700	712	0,002	148	6,200	3	487-0700-0000
- / 800	812	0,002	168	7,070	3	487-0800-0000
- / 900	912	0,001	188	7,950	3	487-0900-0000
- / 1000	1012	0,001	208	8,830	3	487-1000-0000

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

ACCESSORIES

212, 217, 213, 228, 270-271

INDUSTRIAL HOSES Vehicle Exhaust Gas System

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

ACCESSORIES

212, 217, 213, 228, 270-271

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
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
- / 170	185	0,050	81	2,100	3 6	485-0170-0000
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
- / 225	240	0,030	103	2,750	3 6	485-0225-0000
- / 250	265	0,030	113	3,050	3 6	485-0250-0000
- / 300	315	0,020	133	3,640	3 6	485-0300-0000
- / 350	365	0,015	153	4,230	3 6	485-0350-0000
- / 400	415	0,015	173	4,820	3 6	485-0400-0000
- / 450	465	0,010	193	5,410	3 6	485-0450-0000
- / 500	515	0,005	213	6,000	3 6	485-0500-0000
- / 600	615	0,005	253	7,190	3	485-0600-0000
- / 700	715	0,005	293	8,370	3	485-0700-0000
- / 800	815	0,001	333	9,555	3	485-0800-0000
- / 900	915	0,001	373	10,740	3	485-0900-0000
- / 1000	1015	0,001	413	11,920	3	485-1000-0000

Vehicle Exhaust Gas System **INDUSTRIAL HOSES**

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

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,120	0,160	69	2,070	3 6	486-0110-0000
4,5 / 114-115	133	0,117	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	0,110	0,120	77	2,350	3 6	486-0125-0000
5,5 / 140	158	0,100	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
- / 170	188	0,065	0,065	99	2,760	3 6	486-0170-0000
7 / 178-180	198	0,060	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
- / 225	243	0,055	0,040	127	3,620	3 6	486-0225-0000
- / 250	268	0,040	0,035	139	4,000	3 6	486-0250-0000
- / 300	318	0,035	0,025	164	4,780	3 6	486-0300-0000
- / 350	368	0,025	0,015	189	5,570	3 6	486-0350-0000
- / 400	418	0,025	0,015	214	6,340	3 6	486-0400-0000
- / 450	468	0,020	0,010	239	7,120	3 6	486-0450-0000
- / 500	518	0,020	0,010	264	7,900	3 6	486-0500-0000
- / 600	618	0,015	0,005	314	9,460	3	486-0600-0000
- / 700	718	0,010	0,005	364	11,020	3	486-0700-0000
- / 800	818	0,010	0,005	414	12,570	3	486-0800-0000
- / 900	918	0,010	0,002	464	14,130	3	486-0900-0000
- / 1000	1018	0,010	0,001	514	15,690	3	486-1000-0000

INDUSTRIAL HOSES Vehicle Exhaust Gas System

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

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

ACCESSORIES

212, 217, 213, 228, 270-271

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
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
- / 170	184	0,050	81	2,380	3 6	481-0170-0000
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
- / 225	239	0,030	103	3,130	3 6	481-0225-0000
- / 250	264	0,030	113	3,470	3 6	481-0250-0000
- / 300	314	0,020	133	4,140	3 6	481-0300-0000
- / 350	364	0,015	153	4,820	3 6	481-0350-0000
- / 400	414	0,015	173	5,500	3 6	481-0400-0000
- / 450	464	0,010	193	6,170	3 6	481-0450-0000
- / 500	514	0,005	213	6,850	3 6	481-0500-0000
- / 600	614	0,005	253	8,210	3	481-0600-0000
- / 700	714	0,005	293	9,560	3	481-0700-0000
- / 800	814	0,002	333	10,910	3	481-0800-0000
- / 900	914	0,001	373	12,270	3	481-0900-0000
- / 1000	1014	0,001	413	13,620	3	481-1000-0000

Vehicle Exhaust Gas System **INDUSTRIAL HOSES**

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 stain less steel wire reinforced and special coated glass fabric, thermo-insulation fabric, exterior special coated glass fabric; special thermal insulation layer

ACCESSORIES

212, 217, 213, 228, 270-271

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	0,120	0,160	69	3,050	3 6	483-0110-0000
4,5 / 114-115	129	0,118	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	0,110	0,120	77	3,430	3 6	483-0125-0000
5,5 / 140	154	0,100	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
- / 170	184	0,065	0,065	99	3,460	3 6	483-0170-0000
7 / 178-180	194	0,060	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
- / 225	239	0,055	0,040	127	4,510	3 6	483-0225-0000
- / 250	264	0,040	0,035	139	4,990	3 6	483-0250-0000
- / 300	314	0,035	0,025	164	5,950	3 6	483-0300-0000
- / 350	364	0,025	0,015	189	6,910	3 6	483-0350-0000
- / 400	414	0,025	0,010	214	7,870	3 6	483-0400-0000
- / 450	464	0,020	0,010	239	8,830	3 6	483-0450-0000
- / 500	514	0,020	0,010	264	9,790	3 6	483-0500-0000
- / 600	614	0,015	0,005	314	11,720	3	483-0600-0000
- / 700	714	0,010	0,005	364	13,640	3	483-0700-0000
- / 800	814	0,010	0,005	414	15,560	3	483-0800-0000
- / 900	914	0,010	0,002	464	17,480	3	483-0900-0000
- / 1000	1014	0,010	0,001	514	19,400	3	483-1000-0000

CP Kapton® 476 *

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



* Refer to page 64 for details

Shot Blasting/Sand Blasting

AIRDUC® PUR 355 AS *

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



* Refer to page 11 for details

AIRDUC® PUR 356 AS *

Antistatic polyurethane hose, super-heavy, microbe resistant



* Refer to page 12 for details

AIRDUC® PUR 351 FOOD *

Food hose and pharmaceutical hose, medium-heavy and reinforced



* Refer to page 27 for details

Shot Blasting/Sand Blasting **INDUSTRIAL HOSES**

PROTAPE® PUR 330 AS *

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



* Refer to page 38 for details

NORPLAST® PUR 385 AS *

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



* Refer to page 41 for details

AIRDUC® PUR 350 AS *

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



* Refer to page 55 for details

Automotive / Vehicle Industry

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

-40°C to 90°C

DESIGN, MATERIAL

NORFLEX® design; wall interior and exterior smooth; wall: special premium polyurethane with flame retardant additive (Pre-PUR®)

ACCESSORIES

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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	0.090	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	401-9040-6040
- / 5.5	1.3	8.0	14,000	28	14	0.034	100	401-9055-6086
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	0.090	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	0.090	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	0.090	50 100 100	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	0.090	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

Automotive / Vehicle Industry **INDUSTRIAL HOSES**

NORFLEX® PUR 441 ROBOTIC *

Abrasion resistant polyurethane hose/ tubing for industrial robots,
fabric reinforced high pressure hose



* Refer to page 20 for details

Suction and Disposal Vehicles

AIRDUC® PUR 356 EC

Electrically conductive polyurethane hose, super-heavy



APPLICATIONS

flexible 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, tunneling: 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 and German TRGS 727:

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	3,725	1,000	104	0,790	10	356-0038-1003
- / 40	51	3,545	1,000	109	0,820	10	356-0040-1003
- / 50	61	3,170	1,000	134	1,000	10	356-0050-1003
2 / 51	62	3,100	1,000	134	1,010	10	356-0051-1003
2,36 / 60	71	2,680	1,000	156	1,180	10	356-0060-1003
2,5 / 63	74	2,500	1,000	163	1,240	10	356-0063-1003
- / 65	76	2,475	1,000	169	1,270	10	356-0065-1003
- / 70	82	2,305	1,000	186	1,370	10	356-0070-1003
- / 75	87	2,160	1,000	195	1,460	10	356-0075-1003
3 / 76	88	2,100	1,000	195	1,480	10	356-0076-1003
- / 80	92	2,025	1,000	205	1,550	10	356-0080-1003
- / 100	113	1,625	0,930	272	2,270	10	356-0100-1003
4 / 102	115	1,600	0,930	272	2,310	10	356-0102-1003

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

ACCESSORIES

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

AIRDUC® PUR 355 VAC-TRUCK ORANGE

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

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	0,800	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

ACCESSORIES

211, 240 + 241, 270-271

Suction and Disposal Vehicles **INDUSTRIAL HOSES**

AIRDUC® PUR 355 VAC-TRUCK REINFORCED 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

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	115	1,775	0,670	203	2,380	10	355-0100-2530
5 / 125-127	142	1,405	0,480	249	2,870	10	355-0127-2530
6 / 150-152	167	1,180	0,385	291	3,510	10	355-0152-2530

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

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.

ACCESSORIES

211, 248

AIRDUC® PUR 357 VAC-TRUCK Vacuum truck hose, super-heavy and extremely reinforced



APPLICATIONS

flexible 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

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	2,965	1,000	550	3,72	10	357-0100-0000
5 / 127	148	2,360	0,900	672	4,53	10	357-0127-0000
6 / 152	175	1,985	0,800	974	5,35	10	357-0152-0000
8 / 200	223	1,520	0,650	1450	7,63	5	357-0200-0000
- / 250	273	1,220	0,530	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.

ACCESSORIES

211, 244

INDUSTRIAL HOSES Suction and Disposal Vehicles

NORPLAST® PVC 389 AS-SUPERELASTIC

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



APPLICATIONS

flexible 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: electrical and surface resistance $<10^9 \Omega$; in accordance with ATEX 2014/34/EU 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

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

ACCESSORIES

211, 270-271

I.D.	O.D.	Over-pressure	Under-pressure	Bending Radius	Weight	Production Lengths	Order No.
in / mm	mm	bar	bar	mm	kg/m	m	
1 / 25	33	6,000	0,900	72,5	0,410	25 50	389-0025-2878
- / 30	38	6,000	0,900	90,0	0,550	25 50	389-0030-2878
1,25 / 32	40	6,000	0,900	94,0	0,600	25 50	389-0032-2878
1,36 / 35	44	5,000	0,900	102,5	0,630	25 50	389-0035-2878
1,5 / 38	47	5,000	0,900	111,0	0,700	25 50	389-0038-2878
- / 40	49	5,000	0,900	115,0	0,730	25 50	389-0040-2878
2 / 50-51	61	4,000	0,900	144,5	1,000	25 50	389-0051-2878
2,36 / 60	70	4,000	0,900	175,0	1,250	25 50	389-0060-2878
2,5 / 63-65	74	4,000	0,900	188,5	1,390	25 50	389-0063-2878
- / 70	81	3,000	0,900	195,0	1,600	25 50	389-0070-2878
3 / 75-76	87	3,000	0,900	222,0	1,700	25 50	389-0076-2878
- / 80	93	2,500	0,900	235,0	1,850	25 50	389-0080-2878
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
- / 110	124	2,000	0,850	325,0	3,000	30	389-0110-2878
4,72 / 120	135	2,000	0,850	350,0	3,350	30	389-0120-2878
5 / 125-127	142	2,000	0,850	366,5	3,600	10 30	389-0127-2878
6 / 150-152	170	2,000	0,800	449,0	5,000	10 20	389-0152-2878

Suction and Disposal Vehicles **INDUSTRIAL HOSES**

AIRDUC® PUR 356 AS *

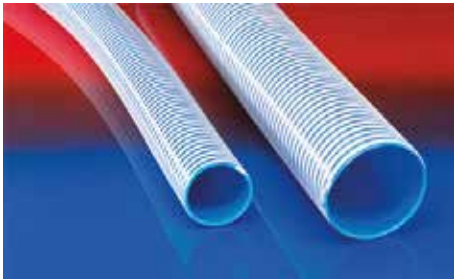
Antistatic polyurethane hose, super-heavy, microbe resistant



* Refer to page 12 for details

NORPLAST® PUR 387 *

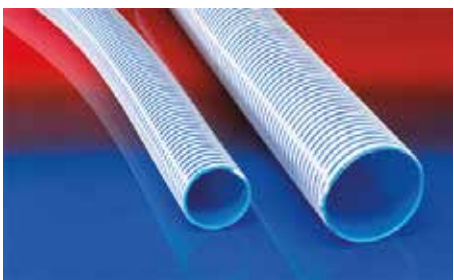
Polyurethane hose, super-heavy



* Refer to page 22 for details

NORPLAST® PUR-C 387 AS *

Antistatic polyurethane hose, super-heavy, grounding wire



* Refer to page 24 for details

INDUSTRIAL HOSES Suction and Disposal Vehicles

NORPLAST® PVC 379 GREEN SUPERELASTIC *
PVC hose, heavy, flexible at low temp. (down to -25°C)



* Refer to page 41 for details

NORPLAST® PVC 389 SUPERELASTIC *
PVC hose, super-heavy, flexible at low temp. (down to -25°C)



* Refer to page 42 for details

NORPLAST® PVC 389 SUPERELASTIC PLUS *
PVC hose, heavy, flexible at low temp. (down to -40°C)



* Refer to page 43 for details

Sweeping and Cleaning Machines

PROTAPE® PUR 327 MEMORY 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, incl. the latest Amending 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

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	67	1,235	0,270	75	0,630	10	327-0050-0000
4 / 100-102	117	0,620	0,050	90	1,180	10	327-0100-0000
5 / 125-127	142	0,505	0,035	113	1,460	10	327-0125-0000
6 / 150-152	167	0,415	0,025	125	1,740	10	327-0150-0000
7 / 178-180	197	0,355	0,016	140	2,200	10	327-0180-0000
8 / 200-203	217	0,315	0,010	150	2,300	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 0,9 mm approx.

ACCESSORIES

212, 217, 213, 228, 270-271

AIRDUC® PUR 355 SWEEPER 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

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	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

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 - 1,5mm approx.

ACCESSORIES

211, 240 + 241, 270-271

INDUSTRIAL HOSES Sweeping and Cleaning Machines

AIRDUC® PUR 355 SWEEPER REINFORCED

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

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
10 / 254	266	0,295	0,075	210	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

ACCESSORIES

211, 240 + 241, 245 CONE FLANGE, 270-271

AIRDUC® PUR 355 AS *

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



* Refer to page 11 for details

AIRDUC® PUR 351 FOOD *

Food hose and pharmaceutical hose, medium-heavy and reinforced



* Refer to page 27 for details

Sweeping and Cleaning Machines **INDUSTRIAL HOSES**

NORPLAST® PUR 385 AS *

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



* Refer to page 41 for details

AIRDUC® PUR 350 AS *

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



* Refer to page 55 for details

AIRDUC® PUR 355 VAC-TRUCK ORANGE *

Vacuum truck hose, heavy and reinforced, very flexible



* Refer to page 99 for details

INDUSTRIAL HOSES

Accessories

CLAMP 212

Bridge clamp for attaching externally corrugated spiral hoses



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 350 (AS/ FOOD-AS / AS BLACK); 351 + 355 (FOOD / INOX FOOD-AS / HT-PUR); 351 + 355 EC; 352 (SE RAILWAY / SE RAILWAY PLUS); 355 AS; 362 (FOOD / EC);
 PROTAPE®: 330 (FOOD / BLACK / INOX FOOD -AS); 301 AS; 310 + 320 + 321 + 326 + 327 + 332; 322 EC;
 CP: 450 + 455 + 457 + 460 + 461 + 465 + 466 + 467 + 476 + 480 + 481 + 483 + 485 + 486 + 487; 450 + 461 PROTECT; 457 + 459 + 465 EC; 471 + 472 + 475 (INOX / INOX EC);
 TIMBERDUC®: 531 - 533 AS

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)

ACCESSORIES

228; 270-271

Suitable for Hose I.D.	Clamping Range	Band Width	Order No.
mm	mm	mm	
AIRDUC® & PROTAPE® ≤ 44 mm			
13-16	9-19	5	212-0009-0000
15-18	13-20	5	212-0013-0000
18-26	17-29	5	212-0017-0000
22-28	20-28	5	212-0020-0000
25-29	22-37	9	212-0022-0000
30-35	27-47	9	212-0027-0000
32-37	29-47	9	212-0029-0000
36-44	35-55	9	212-0035-0000
CP Ø 38-65 mm, PROTAPE® TPE 326 MEMORY Ø 51-65mm			
38-45	35-55	9	212-0036-2002
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
70-75	65-85	9	212-0065-0000
80-85	75-95	9	212-0075-0000
90-95	85-105	9	212-0085-0000
100-105	95-115	9	212-0095-0000
110-115	105-125	9	212-0105-0000
120-125	115-135	9	212-0115-0000
130-135	125-145	9	212-0125-0000
140-145	135-155	9	212-0135-0000
150-155	145-165	9	212-0145-0000
160-165	155-175	9	212-0155-0000
170-175	165-185	9	212-0165-0000
180-185	175-195	9	212-0175-0000
190-195	185-205	9	212-0185-0000
200-205	195-215	9	212-0195-0000
210-215	205-225	12	212-0205-0000
220-225	215-235	12	212-0215-0000
230-235	225-245	12	212-0225-0000
240-245	235-255	12	212-0235-0000
250-255	245-265	12	212-0245-0000
260-265	255-275	12	212-0255-0000
270-275	265-285	12	212-0265-0000
280-285	275-295	12	212-0275-0000
285-290	280-300	12	212-0280-0000
290-295	285-305	12	212-0285-0000
300-305	295-315	12	212-0295-0000
310-315	305-325	12	212-0305-0000
320-325	315-335	12	212-0315-0000
330-335	325-345	12	212-0325-0000
340-345	335-355	12	212-0335-0000
350-355	345-365	12	212-0345-0000
360-365	350-370	12	212-0355-0000
370-375	365-385	12	212-0365-0000
380-385	375-395	12	212-0375-0000
390-395	385-405	12	212-0385-0000
400-405	395-415	12	212-0395-0000
410-415	405-425	12	212-0405-0000
430-435	420-445	12	212-0425-0000
450-455	440-465	12	212-0445-0000
470-475	460-485	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	545-565	12	212-0545-0000
580-600	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

INDUSTRIAL HOSES

CLAMP 216

Hose Clamp for watertight attachment of heavy, externally corrugated spiral hoses



SUITABLE FOR HOSE

AIRDUC®: 355 + 356 (AS/ FOOD / INOX FOOD-AS / HT / EC);

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

ACCESSORIES

228; 270-271

Suitable for Hose I.D. mm	Order No.
Sealing clamp for AIRDUC® 345, 355, 534 hoses with an inner Ø of <50 mm	
32	216-0032-2872
38	216-0038-2872
40	216-0040-2872
45	216-0045-2872
Sealing clamp for AIRDUC® 356 hoses with an inner Ø of <50 mm	
32	216-0032-2010
38	216-0038-2010
40	216-0040-2010
45	216-0045-2010
Sealing clamp for AIRDUC® 345, 355, 534, 356 hoses with an inner Ø of ≥50 mm	
50	216-0050-0000
55	216-0055-0000
60	216-0060-0000
65	216-0065-0000
70	216-0070-0000
75	216-0075-0000
80	216-0080-0000
90	216-0090-0000
100	216-0100-0000
102	216-0102-0000
110	216-0110-0000
115	216-0115-0000
120	216-0120-0000
125	216-0125-0000
127	216-0127-0000
130	216-0130-0000
140	216-0140-0000
150	216-0150-0000
152	216-0152-0000
160	216-0160-0000
175	216-0175-0000
180	216-0180-0000
200	216-0200-0000
225	216-0225-0000
250	216-0250-0000
275	216-0275-0000
300	216-0300-0000

INDUSTRIAL HOSES

Accessories

CLAMP 208

Hose clamp for attachment of light-duty hoses with smooth exterior



SUITABLE FOR HOSE

AIRDUC®: 355 + 356 (AS/ FOOD / INOX FOOD-AS / HT-PUR / EC);
 PROTAPE®: 335; 370 + 371; 371 HT;
 NORPLAST®: 383 + 388; 385 (AS / C-AS);
 NORFLEX®: 401 + 441 FOOD; 401 WELDING; 441
 ROBOTIC; 440 HIGH PRESSURE; 400 + 405 + 407 + 408
 + 440 + 448;
 SuperFlex: 372;
 EVA: 373; 373 (AS / EC);
 NEO: 390 (ONE / TWO);
 SIL: 391 (ONE / TWO)

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

ACCESSORIES

228; 223; 270-271

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
10-11	10-16	9	1	208-0010-0000
12-15	12-20	9	1	208-0012-0000
16-19	16-25	9	1	208-0016-0000
20-24	20-32	9	1	208-0020-0000
25-31	25-40	9	1	208-0025-0000
32-39	32-50	9	1	208-0032-0000
40-49	40-60	9	1	208-0040-0000
50-59	50-70	9	1	208-0050-0000
60-69	60-80	9	1	208-0060-0000
70-79	70-90	9	1	208-0070-0000
80-89	80-100	9	1	208-0080-0000
90-99	90-110	9	1	208-0090-0000
100-109	100-120	9	1	208-0100-0000
110-119	110-130	9	1	208-0110-0000
120-129	120-140	9	1	208-0120-0000
130-139	130-150	9	1	208-0130-0000
140-149	140-160	9	1	208-0140-0000
150-159	150-170	9	1	208-0150-0000
160-169	160-180	9	1	208-0160-0000
170-179	170-190	9	1	208-0170-0000
180-189	180-200	9	1	208-0180-0000
190-199	190-210	9	1	208-0190-0000
200-209	200-220	9	1	208-0200-0000
210-219	210-230	12	1	208-0210-0000
220-229	220-240	12	1	208-0220-0000
230-239	230-250	12	1	208-0230-0000
240-249	240-260	12	1	208-0240-0000
250-259	250-270	12	1	208-0250-0000
260-269	260-280	12	1	208-0260-0000
270-279	270-290	12	1	208-0270-0000
280-289	280-300	12	1	208-0280-0000
290-299	290-310	12	1	208-0290-0000
300-309	300-320	12	1	208-0300-0000
310-319	310-330	12	1	208-0310-0000
320-325	320-340	12	1	208-0320-0000
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
400-409	400-420	12	1	208-0400-0000
420-429	420-440	12	1	208-0420-0000
440-449	440-460	12	1	208-0440-0000
450-459	450-470	12	1	208-0450-0000
460-469	460-480	12	1	208-0460-0000
480-489	480-500	12	1	208-0480-0000
500-509	500-520	12	1	208-0500-0000

Accessories

INDUSTRIAL HOSES

CLAMP 211

T-bolt clamp for attaching heavy-duty hoses with a smooth exterior surface



SUITABLE FOR HOSE

AIRDUC®: 355 (SWEEPER /SWEEPER REINFORCED/
VAC-TRUCK ORANGE / VAC-TRUCK REINFORCED);
356 (AS / FOOD / HT / INOX FOOD-AS / EC / FOOD
REINFORCED); 357 PLUS;
PROTAPE®: 335
NORPLAST®: 379 + 380 + 381 + 387 + 389; 384 (AS /
FOOD); 384 + 386 + 387 + 389 C-AS; 387 + 389 PLUS;
BARDUC®: 382
NEO: 390 (ONE / TWO);
SIL: 391 (ONE / TWO)

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

ACCESSORIES

270-271

Clamping Range	Band Width	PU	Order No.
mm	mm	Pcs	
Material W1			
17-19	18	1	211-0021-0000
20-22	18	1	211-0023-0000
23-25	18	1	211-0025-0000
26-28	18	1	211-0029-0000
29-31	20	1	211-0031-0000
32-35	20	1	211-0034-0000
36-39	20	1	211-0040-0000
40-43	20	1	211-0043-0000
44-47	22	1	211-0047-0000
48-51	22	1	211-0051-0000
52-55	22	1	211-0055-0000
56-59	22	1	211-0059-0000
60-63	22	1	211-0063-0000
64-67	22	1	211-0068-0000
68-73	24	1	211-0073-0000
74-79	24	1	211-0079-0000
80-85	24	1	211-0085-0000
86-91	24	1	211-0091-0000
92-97	24	1	211-0097-0000
98-103	24	1	211-0104-0000
104-112	24	1	211-0112-0000
113-121	24	1	211-0121-0000
122-130	24	1	211-0130-0000
131-139	26	1	211-0140-0000
140-148	26	1	211-0150-0000
149-161	26	1	211-0162-0000
162-174	26	1	211-0174-0000
175-187	26	1	211-0187-0000
188-200	26	1	211-0200-0000
201-213	26	1	211-0213-0000
214-226	26	1	211-0226-0000
227-239	26	1	211-0239-0000
240-252	26	1	211-0252-0000

INDUSTRIAL HOSES

Accessories

CLAMP 212 EC

Bridge Clamp with integrated grounding for attaching externally corrugated spiral hoses



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 351 + 355 (FOOD / INOX
FOOD-AS / HT / EC); 355 AS; 362 (FOOD / EC);
TIMBERDUC®: 533 AS

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)

ACCESSORIES

270-271

Suitable for Hose I.D.	Clamping Range	Band Width	Order No.
mm	mm	mm	
Clamp with earthing wire			
38-45	35-55	9	212-0035-2878
50-55	45-65	9	212-0045-2878
60-65	55-75	9	212-0055-2878
70-75	65-85	9	212-0065-2878
80-85	75-95	9	212-0075-2878
90-95	85-105	9	212-0085-2878
100-105	95-115	9	212-0095-2878
110-115	105-125	9	212-0105-2878
120-127	115-135	9	212-0115-2878
130-135	125-145	9	212-0125-2878
140-145	135-155	9	212-0135-2878
150-155	145-165	9	212-0145-2878
160-165	155-175	9	212-0155-2878
170-175	165-185	9	212-0165-2878
190-195	185-205	9	212-0185-2878
200-205	195-215	9	212-0195-2878
210-215	205-225	12	212-0205-2878
220-225	215-235	12	212-0215-2878
250-255	245-265	12	212-0245-2878
270-275	265-285	12	212-0265-2878
280-285	275-295	12	212-0275-2878
300-305	295-315	12	212-0295-2878
320-325	315-335	12	212-0315-2878
350-355	345-365	12	212-0345-2878
380-385	375-395	12	212-0375-2878
400-405	395-415	12	212-0395-2878
450-455	445-465	12	212-0445-2878
500-505	495-515	12	212-0495-2878

Accessories

INDUSTRIAL HOSES

CLAMP 217

Bridge clamp with eyelet for attaching externally corrugated spiral hoses



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 350 (AS/ FOOD-AS / AS BLACK); 351 + 355 (FOOD / INOX FOOD-AS / HT / EC); 355 AS; 362 (FOOD / EC);
 PROTAPE®: 326 + 327 MEMORY; 330 (FOOD / AS BLACK / INOX FOOD -AS); 301 AS; 310 + 320 + 321; 322 EC; 332 SE;
 CP: 450 + 455 + 457 + 460 + 461 + 465 + 466 + 467 + 476 + 480 + 481 + 483 + 485 + 486 + 487; 450 + 461
 PROTECT; 457 + 459 + 465 EC; 471 + 472 + 475 (INOX / INOX EC);
 TIMBERDUC®: 531 - 533 AS

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

ACCESSORIES

270-271

Suitable for Hose I.D. mm	Clamping Range mm	Band Width mm	Order No.
70-75	65-85	9	217-0065-0000
90-95	85-105	9	217-0085-0000
100-105	95-115	9	217-0095-0000
110-115	105-125	9	217-0105-0000
120-127	115-135	9	217-0115-0000
130-135	125-145	9	217-0125-0000
140-145	135-155	9	217-0135-0000
150-155	145-165	9	217-0145-0000
160-165	155-175	9	217-0155-0000
170-175	165-185	9	217-0165-0000
180-185	175-195	9	217-0175-0000
190-195	185-205	9	217-0185-0000
200-205	195-215	9	217-0195-0000
210-215	205-225	12	217-0205-0000
220-225	215-235	12	217-0215-0000
250-255	245-265	12	217-0245-0000
270-275	265-285	12	217-0265-0000
280-285	275-295	12	217-0275-0000
300-305	295-315	12	217-0295-0000
320-325	315-335	12	217-0315-0000
350-355	345-365	12	217-0345-0000
380-385	375-395	12	217-0375-0000
400-405	395-415	12	217-0395-0000
450-455	445-465	12	217-0445-0000
500-505	495-515	12	217-0495-0000

INDUSTRIAL HOSES

Accessories

CLAMP 213

Bridge Clamp with quick-release closure for attaching externally corrugated spiral hoses



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 350 (AS / FOOD-AS / AS BLACK); 351 + 355 (FOOD / INOX FOOD-AS / HT / EC); 355 AS; 362 (FOOD / EC);
 PROTAPE®: 326 + 327 MEMORY; 330 (FOOD / AS BLACK / INOX FOOD -AS); 301 AS; 310 + 320 + 321; 322 EC; 332 SE;
 CP. 450 + 455 + 457 + 460 + 461 + 465 + 466 + 467 + 476 + 480 + 481 + 483 + 485 + 486 + 487; 450 + 461
 PROTECT; 457 + 459 + 465 EC; 471 + 472 + 475 (INOX / INOX EC);
 TIMBERDUC®: 531 - 533 AS

PROPERTIES

practically leak-proof and secure clamping with special bridge geometry; easily and quickly fitted; re-usable; conforms to RoHS guideline

Suitable for Hose I.D. mm	Band Width mm	Order No.
70	9	213-0070-0000
75	9	213-0075-0000
80	9	213-0080-0000
90	9	213-0090-0000
100	9	213-0100-0000
110	9	213-0110-0000
115	9	213-0115-0000
120	9	213-0120-0000
125	9	213-0125-0000
130	9	213-0130-0000
140	9	213-0140-0000
150	9	213-0150-0000
160	9	213-0160-0000
175	9	213-0175-0000
180	9	213-0180-0000
200	9	213-0200-0000

DESIGN, MATERIAL

Quality: W2; Clamp strip: stainless steel 1.4016 = AISI 430; closure: stainless steel (INOX); bridge: stainless steel 1.4301 = AISI 304

ACCESSORIES

270-271

CONNECT 228

Elastic clamp protection tape



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 350 (AS / FOOD-AS / AS BLACK); 351 + 355 + 356 (FOOD / INOX FOOD-AS / EC / HT); 355 + 356 AS; 362 (FOOD / EC);
 PROTAPE®: 335 + 371 HT-PVC; 326 + 327 MEMORY; 330 (AS / FOOD / AS BLACK / INOX FOOD-AS); 301 AS; 310 + 320 + 321 + 370 + 371; 322 EC;
 CP. 450 + 455 + 457 + 460 + 461 + 465 + 466 + 467 + 476 + 480 + 481 + 483 + 485 + 486 + 487; 450 + 461
 PROTECT; 457 + 459 + 465 EC; 471 + 472 + 475 (INOX / INOX EC);
 NORPLAST®: 383 + 388; 385 (AS / C-AS);
 TIMBERDUC®: 531 - 533 AS;
 EVA: 373; 373 (AS / EC);
 NEO: 390 (ONE / TWO);
 SIL: 391 (ONE / TWO)

Suitable for Hose I.D. mm	Order No.
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

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

ACCESSORIES

212; 216; 208; 270-271

Accessories

INDUSTRIAL HOSES

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 device, 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

DESIGN, MATERIAL

clamp shells: aluminium; screw and nut: galvanised steel gunmetal finish; Adapter: material acc. to table

Size mm	Lug Spacing mm	Thread	Suitable for hose	Weight kg/Pcs	Order No.
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 shells: aluminium					
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

CONNECT ASEPTIC FITTING 249

Aseptic adapters based in DIN 11864-4



APPLICATIONS

food industry, pharmaceutical industry: foodstuff, pharmaceutical; vacuum conveying device, 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

ACCESSORIES

231, 232, 233

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

INDUSTRIAL HOSES

Accessories

CONNECT SAFETY CLAMP ASSEMBLY 231

Universal safety clamp coupling system incl. assembly if appropriate



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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 the latest 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 etherpolyurethane (Pre-PUR®); screw and nut: galvanised steel gunmetal finish; Adapter: available as an option

ACCESSORIES

234, 245, 247, 249

Size mm	Suitable for Hose I.D. mm	PU Pcs	Order No.
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

Accessories

INDUSTRIAL HOSES

CONNECT PRESS ASSEMBLY 232

Crimped coupling system incl. assembly



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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 the latest 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; sealing insert: special premium ether-polyurethane (Pre-PUR®); Adapter: available as an option

ACCESSORIES

234, 245, 247, 249

Size	Suitable for Hose I.D.	Order No.
mm	mm	
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

INDUSTRIAL HOSES

Accessories

CONNECT MOULD ASSEMBLY 233 Potted coupling system incl. assembly



APPLICATIONS

food industry, pharmaceutical industry, foodstuff, pharmaceutical; vacuum conveying device, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses

PROPERTIES

vibration resistant; food grade wall, complies with: EU Directive 10/2011; 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

ACCESSORIES

234, 245, 247, 249

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

Accessories

INDUSTRIAL HOSES

CONNECT THREAD FITTING 234 Threaded adapter



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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

ACCESSORIES

231, 232, 233

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	0,280	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

INDUSTRIAL HOSES

Accessories

CONNECT TRI-CLAMP FITTING 245

TRI clamp adapters based on DIN 32676 and ISO 2853



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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)

ACCESSORIES

231, 232, 233

Size	Nominal width tube	Outer-Ø Flange	Weight	Suitable for Hose I.D.	Order No.
mm	inch	mm	kg/Pcs	mm	
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; 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
Matching accessories; Clamp; stainless steel					
25 / 32 / 38 / 40	1"	50,5	-	25	245-0025-8914
50	2"	64,0	-	50	245-0050-8914
-	2 1/2"	77,5	-	55	245-0055-8914
65	3"	91,0	-	65	245-0065-8914
80	-	106,0	-	80	245-0080-8914
100	4"	119,0	-	100	245-0100-8914

Accessories

INDUSTRIAL HOSES

CONNECT DAIRY FITTING 247

Dairy tube support based on DIN 2826/11888



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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

ACCESSORIES

231, 232, 233

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	0,900	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

INDUSTRIAL HOSES

Accessories

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	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	241-0032-8500
38	44	40	85	0,070	38	240-0038-0000
40	44	40	85	0,080	40	240-0040-0000
50	49	41	90	0,080	50	240-0050-0000
60	49	41	90	0,120	60	240-0060-0000
70	52	44	100	0,150	70	240-0070-0000
75	60	47	107	0,200	75	241-0075-8500
80	60	52	112	0,250	80	241-0080-8500
100	85	57	122	0,310	100	241-0100-8500
125	75	62	137	0,480	125	241-0125-8500
150	85	70	155	0,680	150	241-0150-8500
200	100	80	180	1,100	200	241-0200-8500
250	105	90	195	1,500	250	241-0250-8500
300	115	100	215	2,260	300	241-0300-8500
Threaded, Suitable for Hose 356						
38	44	40	85	0,070	38	241-0038-8501
40	44	40	85	0,080	40	241-0040-8501
50	49	41	90	0,080	50	241-0050-8501
60	49	41	90	0,120	60	241-0060-8501
70	52	44	100	0,150	70	241-0070-8501
75	60	47	107	0,200	75	241-0075-8501
80	60	52	112	0,250	80	241-0080-8501
100	85	57	122	0,310	100	241-0100-8501
125	75	62	137	0,480	125	241-0125-8501
150	85	70	155	0,680	150	241-0150-8501
200	100	80	180	1,100	200	241-0200-8501
250	105	90	195	1,500	250	241-0250-8501
300	115	100	215	2,260	300	241-0300-8501
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	85	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

Accessories

INDUSTRIAL HOSES

CONNECT 240 EC

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 $<10^9 \Omega$; conforms to RoHS guideline

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						
38	44	40	85	0,070	38	240-0038-1003
40	44	40	85	0,080	40	240-0040-1003
50	49	41	90	0,080	50	240-0050-1003
60	49	41	90	0,120	60	240-0060-1003
70	52	44	96	0,150	70	240-0070-1003

TEMPERATURE RANGE

-40°C to 90°C
short time to 125°C

DESIGN, MATERIAL

Wall of EC version electrically conductive $<10^9 \Omega$; electrically conductive Premium Ester-Polyurethane (Pre-PUR®)

CONNECT 242

Threaded adapter



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 ; 350 (AS / AS BLACK / FOOD-AS); 351 + 355 + 356 (FOOD / INOX FOOD-AS / EC); 355 + 356 AS;
TIMBERDUC®: 533 AS

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®)

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						
2,00"	45	23,8	86	0,150	50	242-0050-8500
2,25"	45	25,5	87	0,180	55	242-0055-8500
2,50"	45	26,5	89	0,220	65	242-0065-8500
3,00"	47	29,8	97	0,280	75	242-0075-8500
4,00"	51	35,8	108	0,450	100	242-0100-8500
5,00"	58	40,0	122	0,800	125	242-0125-8500
6,00"	68	40,0	132	1,000	150	242-0150-8500
Threaded; Suitable for Hose 356						
2,00"	45	23,8	86	0,150	50	242-0050-8501
2,25"	45	25,5	87	0,180	55	242-0055-8501
2,50"	45	26,5	89	0,220	65	242-0065-8501
3,00"	47	29,8	97	0,280	75	242-0075-8501
4,00"	51	35,8	108	0,450	100	242-0100-8501
5,00"	58	40,0	122	0,800	125	242-0125-8501
6,00"	68	40,0	132	1,000	150	242-0150-8501
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

INDUSTRIAL HOSES

Accessories

CONNECT 240 + 241 FOOD

Soft sleeve to slide onto connectors or push into pipes, foodgrade



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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 the latest 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	0,070	38	240-0038-0010
40	44	40	85	0,080	40	240-0040-0010
50	49	41	90	0,080	50	240-0050-0010
60	49	41	90	0,120	60	240-0060-0010
70	52	44	100	0,150	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

Accessories

INDUSTRIAL HOSES

CONNECT 243

Aseptic coupling system acc. to DIN 11864-4



APPLICATIONS

AIRDUC®: 341 + 345; 350 (AS / AS BLACK / FOOD-AS);
351 + 355 + 356 (FOOD / INOX FOOD-AS / EC); 355 +
356 AS;
TIMBERDUC®: 533 AS

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					
80	46	136	0,380	80	243-0080-8500
100	51	141	0,580	100	243-0100-8500
120	58	148	0,870	120	243-0120-8500
150	68	158	1,100	150	243-0150-8500
200	80	170	1,810	200	243-0200-8500
250	90	180	2,700	250	243-0250-8500
300	100	190	3,340	300	243-0300-8500
Threaded; Suitable for Hose 356					
80	46	136	0,380	80	243-0080-8501
100	51	141	0,580	100	243-0100-8501
120	58	148	0,870	120	243-0120-8501
150	68	158	1,100	150	243-0150-8501
200	80	170	1,810	200	243-0200-8501
250	90	180	2,700	250	243-0250-8501
300	100	190	3,340	300	243-0300-8501
Pre-fitted					
80	46	136	0,80	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

CONNECT 243 FOOD

Aseptic coupling system acc. to DIN 11864-4, food-grade



APPLICATIONS

food industry, pharmaceutical industry: foodstuff,
pharmaceutical; vacuum conveying device, 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 the latest 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

INDUSTRIAL HOSES

Accessories

CONNECT 244

Loose flange to fit mating flanges acc. to DIN 2632/2633, hole pattern DIN 2502



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 357; 350 (AS / AS BLACK / FOOD-AS); 351 + 355 + 356 (FOOD / INOX FOOD-AS / EC); 355 + 356 AS;
TIMBERDUC®: 533 AS

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) with steel core; wall: special premium ether-polyurethane (Pre-PUR®)

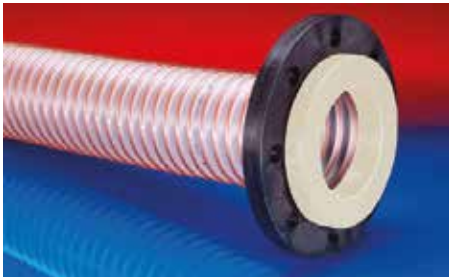
Suitable for Ø-Pipe System mm	Fixing Holes Ø mm	No. and Dia. Fixing Holes	Total Length mm	Weight kg/Pcs	Suitable for Hose I.D. mm	Order No.
Threaded; Suitable for Hose 350, 351, 355, 533, 341, 345						
51,2	125	4x18	66	1,110	50	244-0050-8500
82,5	160	8x18	76	1,740	80	244-0080-8500
100,8	180	8x18	84	2,030	100	244-0100-8500
126,0	210	8x18	100	3,190	125	244-0125-8500
151,0	240	8x22	114	4,320	150	244-0150-8500
207,3	295	8x22	132	6,380	200	244-0200-8500
254,4	350	12x22	145	9,750	250	244-0250-8500
309,7	400	12x22	155	13,040	300	244-0300-8500
Threaded; Suitable for Hose 356						
51,2	125	4x18	66	1,110	50	244-0050-8501
82,5	160	8x18	76	1,740	80	244-0080-8501
100,8	180	8x18	84	2,030	100	244-0100-8501
126,0	210	8x18	100	3,190	125	244-0125-8501
151,0	240	8x22	114	4,320	150	244-0150-8501
207,3	295	8x22	132	6,380	200	244-0200-8501
254,4	350	12x22	145	9,750	250	244-0250-8501
309,7	400	12x22	155	13,040	300	244-0300-8501
Threaded; Suitable for Hose 357						
100,8	180	8x18	84	2,030	102	244-0102-8502
126,0	210	8x18	100	3,190	127	244-0127-8502
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

Accessories

INDUSTRIAL HOSES

CONNECT 244 FOOD

Loose flange to fit mating flanges acc. to DIN 2632/2633, hole pattern DIN-EN 1092-1



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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 the latest 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

loose flange: polypropylene (PP) with 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						
51,2	125	4x18	66	1,110	50	244-0050-8600
82,5	160	8x18	76	1,740	80	244-0080-8600
100,8	180	8x18	84	2,030	100	244-0100-8600
126,0	210	8x18	100	3,190	125	244-0125-8600
151,0	240	8x22	114	4,320	150	244-0150-8600
207,3	295	8x22	132	6,380	200	244-0200-8600
254,4	350	12x22	145	9,750	250	244-0250-8600
309,7	400	12x22	155	13,040	300	244-0300-8600
Threaded; Suitable for Hose 356						
51,2	125	4x18	66	1,110	50	244-0050-8601
82,5	160	8x18	76	1,740	80	244-0080-8601
100,8	180	8x18	84	2,030	100	244-0100-8601
126,0	210	8x18	100	3,190	125	244-0125-8601
151,0	240	8x22	114	4,320	150	244-0150-8601
207,3	295	8x22	132	6,380	200	244-0200-8601
254,4	350	12x22	145	9,750	250	244-0250-8601
309,7	400	12x22	155	13,040	300	244-0300-8601
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

INDUSTRIAL HOSES

Accessories

CONNECT 245 CONE FLANGE

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

TEMPERATURE RANGE

-40°C to 90°C

DESIGN, MATERIAL

wall: special premium ether-polyurethane (Pre-PUR®)

Size	Outer-Ø Flange	Total Length	Weight	Suitable for Hose I.D.	single component	Order No.
mm	mm	mm	kg/Pcs	mm		
250	295	108	1,00	356 ø 250	TRI-CLAMP tapered flange, black, for screwing on	245-0250-8501
250	295	108	1,00	356 VAC-TRUCK ORANGE Ø250	TRI-CLAMP tapered flange, black, for screwing on	245-0250-8507
250	295	108	1,00	356 VAC-TRUCK ORANGE Ø 250; 355/356 Ø250	TRI-CLAMP tapered flange, black, molded	245-0250-8554
250	-	-	1,240	-	TRI-CLAMP Quick-Release clamp	245-0250-8911
250	295	108	1,00	356 ø 250	reinforced tapered flange, black, for screwing on	245-0250-8701
250	295	108	1,00	356 VAC-TRUCK ORANGE Ø250	reinforced tapered flange, black, for screwing on	245-0250-8707
250	295	108	1,00	356 VAC-TRUCK ORANGE and 355 Ø250	reinforced tapered flange, black, molded	245-0250-8754
250	-	-	1,50	-	reinforced Quick-Release clamp	245-0250-8755

CONNECT 245

TRI-Clamp coupling to fit adapter acc. to DIN 32677



SUITABLE FOR HOSE

AIRDUC®: 341 + 345; 350 (AS / AS BLACK / FOOD-AS); 351 + 355 + 356 (FOOD / INOX FOOD-AS / EC); 355 + 356 AS; TIMBERDUC®: 533 AS

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®)

ACCESSORIES

TRI-CLAMP 245

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						
32	50,5	32	60,0	0,060	32	245-0032-8500
38	50,5	38	65,0	0,070	38	245-0038-8500
50	64,0	50	67,0	0,120	50	245-0050-8500
65	91,0	66	67,0	0,180	65	245-0065-8500
80	106,0	81	72,0	0,200	80	245-0080-8500
100	119,0	100	77,0	0,330	100	245-0100-8500
125	155,0	125	91,0	0,480	125	245-0125-8500
150	183,0	150	102,0	0,670	150	245-0150-8500
200	233,5	200	112,5	0,960	200	245-0200-8500
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

INDUSTRIAL HOSES

CONNECT 245 FOOD

TRI-Clamp coupling to fit adapter acc. to DIN 32677, foodgrade



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, 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 the latest 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®)

ACCESSORIES

TRI-CLAMP 245

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						
32	50,5	32	60,0	0,060	32	245-0032-8600
38	50,5	38	65,0	0,070	38	245-0038-8600
50	64,0	50	67,0	0,120	50	245-0050-8600
65	91,0	66	67,0	0,180	65	245-0065-8600
80	106,0	81	72,0	0,200	80	245-0080-8600
100	119,0	100	77,0	0,330	100	245-0100-8600
125	155,0	125	91,0	0,480	125	245-0125-8600
150	183,0	150	102,0	0,670	150	245-0150-8600
200	233,5	200	112,5	0,960	200	245-0200-8600
Threaded; Suitable for Hose 356						
32	50,5	32	60,0	0,060	32	245-0032-8601
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
80	106,0	81	72,0	0,200	80	245-0080-8601
100	119,0	100	77,0	0,330	100	245-0100-8601
125	155,0	125	91,0	0,480	125	245-0125-8601
150	183,0	150	102,0	0,670	150	245-0150-8601
200	233,5	200	112,5	0,960	200	245-0200-8601
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

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

TEMPERATURE RANGE

-40°C to 90°C
short time to 125°C

DESIGN, MATERIAL

wall: special premium ether-polyurethane (Pre-PUR®)

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					
25	32	71	0,120	25	246-0025-8500
32	32	71	0,150	32	246-0032-8500
38	37	83	0,170	38	246-0038-8500
40	37	83	0,160	40	246-0040-8500
50	42	95	0,250	50	246-0050-8500
60	47	105	0,300	60	246-0060-8500
70	47	105	0,330	70	246-0070-8500
80	52	117	0,400	80	246-0080-8500
100	57	127	0,650	100	246-0100-8500
Threaded; Suitable for Hose 356					
32	32	71	0,150	32	246-0032-8501
38	37	83	0,170	38	246-0038-8501
40	37	83	0,160	40	246-0040-8501
50	42	95	0,250	50	246-0050-8501
60	47	105	0,300	60	246-0060-8501
70	47	105	0,330	70	246-0070-8501
80	52	117	0,400	80	246-0080-8501
100	57	127	0,650	100	246-0100-8501

INDUSTRIAL HOSES

Accessories

CONNECT 246 FOOD

Spiral hose connector for connecting, lengthening or repairing spiral hoses, foodgrade



APPLICATIONS

food industry, pharmaceutical industry; foodstuff, pharmaceutical; vacuum conveying device, vacuum hopper, suction conveyor, dosing system; pelleting machines/ tablet presses; industrial vacuum cleaners, vacuum cleaners

PROPERTIES

easily and quickly fitted; re-usable (threaded version); highly abrasion resistant; food grade wall, complies with: EU Directive 10/2011 and the latest 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

Size 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					
25	32	71	0,120	25	246-0025-8600
32	32	71	0,150	32	246-0032-8600
38	37	83	0,170	38	246-0038-8600
40	37	83	0,160	40	246-0040-8600
50	42	95	0,250	50	246-0050-8600
60	47	105	0,300	60	246-0060-8600
70	47	105	0,330	70	246-0070-8600
80	52	117	0,400	80	246-0080-8600
100	57	127	0,650	100	246-0100-8600
Threaded; Suitable for Hose 356					
32	32	71	0,150	32	246-0032-8601
38	37	83	0,170	38	246-0038-8601
40	37	83	0,160	40	246-0040-8601
50	42	95	0,250	50	246-0050-8601
60	47	105	0,300	60	246-0060-8601
70	47	105	0,330	70	246-0070-8601
80	52	117	0,400	80	246-0080-8601
100	57	127	0,650	100	246-0100-8601

DESIGN, MATERIAL

wall: special premium ether-polyurethane (Pre-PUR®)

CONNECT 223

Shrink hose for connecting one hose to another or to an adapter



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 350 (AS / FOOD-AS / AS BLACK); 351 + 355 (FOOD / INOX FOOD-AS / EC); 355 AS; 362 (FOOD / EC);
PROTAPE®: 371 HT; 330 (AS / FOOD / AS BLACK / INOX FOOD-AS); 310 + 320 + 321 + 322 + 332 + 370 + 371; 301 AS;
NORPLAST®: 383 + 388; 385 (AS / C-AS);
TIMBERDUC®: 531 - 533 AS;
SuperFlex: 372

PROPERTIES

adapts itself to any surface; easily and quickly fitted; conforms to RoHS guideline

TEMPERATURE RANGE

-40°C to 125°C

Shrinking Range mm	Muff Length approx. mm	Suitable for Hose I.D. mm	PU Pcs	Order No.
15-30	70	15-22	1	223-0038-0000
22-50	80	20-40	1	223-0050-0000
25-63	80	30-50	1	223-0063-0000
30-75	90	40-60	1	223-0075-0000
35-85	100	50-70	1	223-0085-0000
40-95	110	60-80	1	223-0095-0000
45-115	120	80-100	1	223-0115-0000
50-140	150	100-130	1	223-0140-0000
60-160	170	130-150	1	223-0160-0000
70-180	190	150-170	1	223-0180-0000
15-30	1000	15-22	1	223-0038-9001
22-50	1000	20-40	1	223-0050-9001
25-63	1000	30-50	1	223-0063-9001
30-75	1000	40-60	1	223-0075-9001
35-85	1000	50-70	1	223-0085-9001
40-95	1000	60-80	1	223-0095-9001
45-115	1000	80-100	1	223-0115-9001
50-140	1000	100-130	1	223-0140-9001
60-160	1000	130-150	1	223-0160-9001
70-180	1000	150-170	1	223-0180-9001

DESIGN, MATERIAL

polyolefine

ACCESSORIES

208; 270-271

Accessories

INDUSTRIAL HOSES

CONNECT 226

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

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	
25	50	45	100	0,050	25	226-0025-0000
32	50	45	100	0,060	32	226-0032-0000
38	50	45	100	0,070	38	226-0038-0000
41	50	45	100	0,070	41	226-0041-0000
44	50	45	100	0,080	44	226-0044-0000
51	50	45	100	0,090	51	226-0051-0000
63	50	45	100	0,130	63	226-0063-0000
70	45	45	100	0,150	70	226-0070-0000
76	45	45	100	0,170	76	226-0076-0000

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: high grade soft PVC; Wall of EC version electrically conductive <math><10^4 \Omega</math>; electrically conductive premium ester-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	
Colour grey						
32	44	40	85	0,060	32	227-0032-0000
38	44	40	85	0,070	38	227-0038-0000
45	44	40	90	0,080	45	227-0045-0000
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 <math><10^4 \Omega</math> 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

INDUSTRIAL HOSES

Accessories

CONNECT 270-271

Metal hose connector / reducer



SUITABLE FOR HOSE

AIRDUC®: 341 + 345 + 363; 350 (AS / FOOD-AS / AS BLACK); 351 + 355 (FOOD / INOX FOOD-AS / HT / EC); 352 (SE RAILWAY / SE RAILWAY PLUS); 355 (AS / SWEEPER / VAC-TRUCK REINFORCED / VAC-TRUCK ORANGE);
 PROTAPE®: 371 HT; 330 (FOOD / AS BLACK / INOX FOOD-AS);
 CP: 450 + 455 + 457 + 460 + 461 + 465 + 466 + 467 + 476 + 480 + 481 + 483 + 485 + 486 + 487; 450 + 461 PROTECT; 457 + 459 + 465 EC; 471 + 472 + 475 (INOX / INOX EC);
 NORPLAST®: 379 + 383 + 380 + 388 + 389; 384 (AS / FOOD); 384 + 386 + 389 C-AS; 385 (AS / C-AS); 389 PLUS;
 TIMBERDUC: 531 - 533 AS;
 SuperFlex: 372; NEO: 390 (ONE / TWO); SIL: 391 (ONE / TWO)

PROPERTIES

easily and quickly fitted; re-usable (threaded version); conforms to RoHS guideline

TEMPERATURE RANGE

200°C

DESIGN, MATERIAL

galvanised sheet metal

ACCESSORIES

212; 216; 208; 211; 212 EC; 217; 213; 228; 223

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							
50	50	40	40	90	0,6	0,200	270-0050-0000
60	60	40	40	90	0,6	0,200	270-0060-0000
70	70	40	40	90	0,6	0,200	270-0070-0000
75	75	40	40	90	0,6	0,200	270-0075-0000
80	80	40	40	90	0,6	0,200	270-0080-0000
90	90	40	40	90	0,6	0,200	270-0090-0000
100	100	40	40	90	0,6	0,200	270-0100-0000
110	110	40	40	90	0,6	0,300	270-0110-0000
120	120	40	40	90	0,6	0,300	270-0120-0000
125	125	40	40	90	0,6	0,300	270-0125-0000
130	130	40	40	90	0,6	0,300	270-0130-0000
140	140	40	40	90	0,6	0,400	270-0140-0000
150	150	40	40	90	0,6	0,500	270-0150-0000
160	160	40	40	90	0,6	0,500	270-0160-0000
170	170	40	40	90	0,6	0,500	270-0170-0000
175	175	40	40	90	0,6	0,600	270-0175-0000
180	180	40	40	90	0,6	0,600	270-0180-0000
200	200	40	40	90	0,6	0,600	270-0200-0000
215	215	40	40	90	0,6	0,700	270-0215-0000
225	225	40	40	90	0,6	0,700	270-0225-0000
250	250	60	60	130	0,6	0,800	270-0250-0000
275	275	60	60	130	0,6	0,900	270-0275-0000
300	300	60	60	130	0,7	1,000	270-0300-0000
315	315	60	60	130	0,7	1,100	270-0315-0000
325	325	60	60	130	0,7	1,200	270-0325-0000
350	350	60	60	130	0,7	1,300	270-0350-0000
375	375	80	80	170	0,7	1,500	270-0375-0000
400	400	80	80	170	0,7	1,600	270-0400-0000
450	450	80	80	170	0,7	2,100	270-0450-0000
500	500	80	80	170	0,7	2,300	270-0500-0000
Hose reduction							
75	50	40	40	135	0,6	0,200	271-0075-0000
80	70	40	40	125	0,6	0,200	271-0080-0000
100	80	40	40	140	0,6	0,200	271-0100-0000
125	100	40	40	145	0,6	0,300	271-0125-0000
150	100	40	40	175	0,6	0,300	271-0150-0000
200	150	40	40	175	0,6	0,500	271-0200-0000
250	200	60	40	200	0,6	0,800	271-0250-0000
300	200	60	40	265	0,7	1,200	271-0300-0000
80	50	40	40	135	0,6	0,200	271-0080-2655
100	70	40	40	150	0,6	0,200	271-0100-2660
125	80	40	40	175	0,6	0,300	271-0125-2665
150	80	40	40	205	0,6	0,400	271-0150-2670
150	125	40	40	145	0,6	0,300	271-0150-2671
200	100	40	40	245	0,6	0,600	271-0200-2675
200	125	40	40	215	0,6	0,600	271-0200-2676
250	125	60	40	300	0,6	1,000	271-0250-2680
250	150	60	40	270	0,6	0,900	271-0250-2681
300	150	60	40	335	0,7	1,300	271-0300-2685
300	250	60	40	195	0,7	1,300	271-0300-2687

Accessories

INDUSTRIAL HOSES

CONNECT 202

Connectors for connecting or attaching metal hoses



SUITABLE FOR HOSE
METAL HOSE: 375; 375 HT; 376 INOX; 377 REINFORCED

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 Hose I.D.	Order No.
mm	mm	mm	kg/Pcs	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); brazing (galvanised)					202-0000-2904
Assembly; (please select the hose separately); riveting					202-0000-2905

INDUSTRIAL HOSES

Accessories

CONNECT 203-204

Connectors for connecting or attaching metal hoses



SUITABLE FOR HOSE
METAL HOSE: 375; 375 HT; 376 INOX; 377 REINFORCED

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 Hose I.D.	Order No.
mm	mm		mm	mm	kg/Pcs	mm	
Connector 203 stainless steel (INOX)							
1,00	2	30	80	50	0,090	40	203-0040-1100
1,00	2	40	100	70	0,130	50	203-0050-1100
1,00	2	40	110	70	0,180	60	203-0060-1100
1,00	2	40	120	80	0,220	70	203-0070-1100
1,00	2	40	120	80	0,250	80	203-0080-1100
1,00	3	50	150	100	0,390	100	203-0100-1100
1,00	3	50	150	100	0,460	120	203-0120-1100
1,00	3	50	150	100	0,480	125	203-0125-1100
1,25	3	55	160	100	0,770	150	203-0150-1100
1,25	3	60	180	120	1,030	180	203-0180-1100
1,25	3	70	210	140	1,330	200	203-0200-1100
1,25	3	80	250	180	1,970	250	203-0250-1100
1,50	3	80	280	200	3,180	300	203-0300-1100
Slotted Adapter 204 stainless steel (INOX)							
1,00	2	30	80	50	0,090	40	204-0040-1100
1,00	2	40	100	70	0,130	50	204-0050-1100
1,00	2	40	110	70	0,180	60	204-0060-1100
1,00	2	40	120	80	0,220	70	204-0070-1100
1,00	2	40	120	80	0,250	80	204-0080-1100
1,00	3	50	150	100	0,390	100	204-0100-1100
1,00	3	50	150	100	0,460	120	204-0120-1100
1,00	3	50	150	100	0,480	125	204-0125-1100
1,25	3	55	160	100	0,770	150	204-0150-1100
1,25	3	60	180	120	1,030	180	204-0180-1100
1,25	3	70	210	140	1,330	200	204-0200-1100
1,25	3	80	250	180	1,970	250	204-0250-1100
1,50	3	80	280	200	3,180	300	204-0300-1100
Assembly; (please select the hose separately); brazing (galvanised)							
							203-0000-2904
							204-0000-2904
Assembly; (please select the hose separately); rivetting							
							203-0000-2905
							204-0000-2905

Accessories

INDUSTRIAL HOSES

CONNECT 205

Connectors for connecting or attaching metal hoses



SUITABLE FOR HOSE
METAL HOSE: 375; 375 HT; 376 INOX; 377
REINFORCED

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 Hoses	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
Assembly; (please select the hose separately); brazing (galvanised)									205-0000-2904

CONNECT 206

Connectors for connecting or attaching metal hoses



APPLICATIONS
METAL HOSE: 375; 375 HT; 376 INOX; 377
REINFORCED

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
Assembly; (please select the hose separately); brazing (galvanised)		206-0000-2904

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