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* Essential conditions for secured application of hose assemblies:

1. Selection of hose and fittings according demand (specification) by medium and application (working circumstances).

- Particles of liquid or solid agents may physically penetrate, respectively cause chemical reactions.
- Physical effects: causing change in volume of the hose material, consequently causing a change in its characteristics i.e. hardness, tensile strength, elongation etc. (example “pop-corning” in steam hoses)
- Chemical effects: causing change in chemical construction of hose material, causing change in properties (e.g.: plasticizers or ageing-protectors are decomposed causing possible spill or leakage).
- Exploratory details can be found in the charts “General properties” (pages 6-7) and “Chemical resistance tables” (pages 8-12).
- The permitted working pressure and vacuum are not to be exceeded.
- The stated burstpressure of the PVC spiral hoses is based on a temporary static rigid pressure at 20 degrees celsius. Plural pressure overload will have the consequence that the hose will weaken and will have a shorter lifespan.
- The permitted working temperature in interdependence with the medium is not to be exceeded.
- In case of abrasion always consider wear and tear, and regular checking of the hose is required.
- Hose assemblies may, in the process of use, never absorb dangerous electrical charges and where applicable the electrical resistance (measured over the hose from fitting to fitting) may not exceed the value of 10^6 Ω.
- Hoses marked with “Ω“ are equipped with materials already causing conductive properties.
- Hoses marked “M” need to be secured by connecting the “static-wire(s) to the fittings in a permanent way, such in order to assure conductivity.

2. Professional assembly

The selection of hose and fittings must be made in correct sizes and attuned to each other.
Assemblies of fittings may only be executed by experts and is always subjected to prevailing directives.

3. Correct storage

Always keep the hoses dry and clean.
Avoid influences from radiation of Ultra Violet and sunshine
Store tension free and kink free
Avoid temperatures under -20º C and over 30º C.

4. Correct utilization

Hose-assemblies must always be installed accessible for persons, in its natural position and unobstructed. Take into account that hoses under vacuum suffer from decrease in length, under pressure change in length and diameter will occur (non-reinforced PVC spiral hoses may elongate till 40% of its original length when maximum working pressure is applied). Hose-lengths may, in essence, not be claimed on their ability of torsion, elongation and pulling strength.

Hose-lengths may not be bended below its bending radius, especially not behind its fittings. For details on “bending-radius” please consult the table “bending-radius” on page 5.
Hose-lengths must be protected against exterior mechanical-, thermal- or chemical affection.
When required inspect and check electrical resistance of the hose-lengths

5. Registration of procedure of instructions meeting regular education of employees. Readiness and use of appropriate personal safety equipments

To operate hose-lengths safely it is necessary to implement technical, personal and organisational measures for protection. Preference must be given to the technical and organisational measures. Should these not avoid all dangers, effective personal safety equipment must be provided and used.

6. Regular inspections

Hose-assemblies must be inspected by an expert prior to putting into use. Regular inspections are recommended then-after (e.g. chemical hoses 1x year, steam hoses min. 1x semester).

Essential details of inspections should be:

Visual inspection of the hose
-sufficiently cleaned before inspection
-kinks, bruises, deformations
-chemical porosity or mechanical damage to inner tube and/or cover
-damage, deformation or corrosion to the fittings
-damage, deformation or missing of seals and washers

Pressure test, leak proof tests
-pores, leaks, kinks, bruises, blisters, deformations
-unacceptable elongation, overextended torsion
-leakage in hose-connection or fitting(s)

Inspection of electrical conductivity
-testing of ability of electrical resistance with “Ω“ and “M” hoses
Testing results must be documented

* source : BG Chemie Merkblatt T002 (ZH 1/134)

How to choose the right hose for the job required?

1. Dimensions
- A. Inside diameter
- B. Outside diameter
- C. Length (with/without couplings)
- D. Tolerance (according or not to norms)

2. Substances to be carried in the hose
- A. Liquid, gas or solid
- a1. Chemical identification
- a2. Concentration
- a3. Temperature
- a4. Size and type of solids

3. Application
- A. Working-test-burst pressure
- B. Vacuum
- C. Continuous non-continuous use
- D. Flowcapacity (kg/liters per minute)

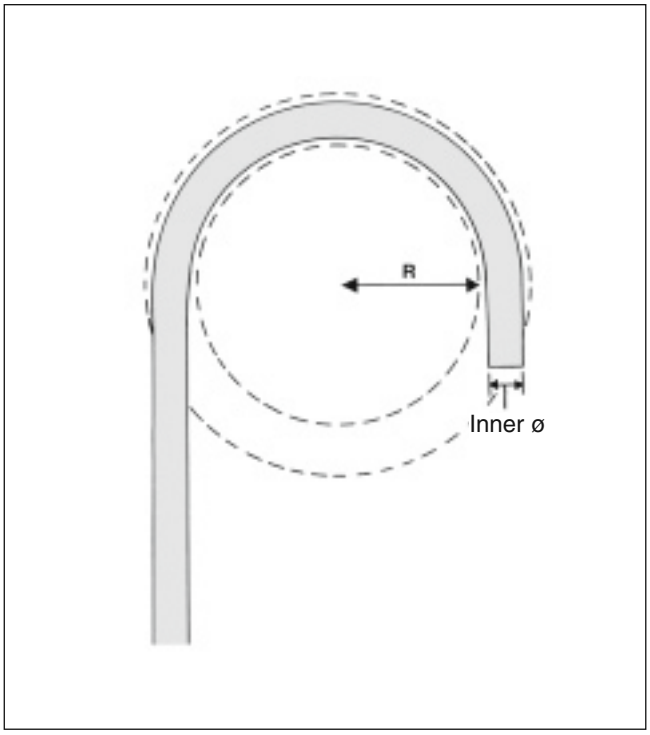
4. External conditions
- A. UV and ozone-resistance
- B. External abrasion
- C. External temperature
- D. Chemical or petrol influances

5. Special features
- A. Weight
- B. Flexibility
- C. Bending radius
- D. Torsion
- E. Electrical conductivity
- F. Flame resistance
- G. Pulling strength
- H. Torsion resistance, axial and longitudinal
- I. Colour
- J. Special markings, printing, labels

6. Hose-construction
- A. In- and outside smooth, outside welded, corrugated
- B. With or without cuffs, enlarged or conical
- C. With or without spiral (s) in PVC or steel
- D. Kind of insertions, textile, steel, otherwise

7. System of couplings and adaptors
- A. Couplings or adaptors, male, female, threaded
- B. Hoseclamps, safety clamps, swages, band-it

8. Applicable norms, specifications, legislations



Bending radius: „R“ is the radius of the smallest possible circle, to which a hose in service can be bent without damage or shortening its life, by kinking.
Textile reinforced hose may kink if the bending radius is reduced. A helical wire will serve better bending radius without flattening or kinking.

Mandrel-built hoses
6 x inside diameter

Spiral reinforced hoses (in/outside smooth)
8 x inside diameter till 100 mm diameter
10 x inside diameter over 100 mm diameter

Spiral reinforced hoses (outside welded)
6 x inside diameter till 100 mm diameter
8 x inside diameter over 100 mm diameter

When hoses under pressure please calculate 4/5 of the above mentioned figures.

Chemical name Chemical Group of the hose interior	Poly Vinyl Chloride PVC	Polyurethane Rubber PUR	Natural Rubber NR	Styrene Butadiene Rubber SBR	Ethylen Propylen Diene rubber EPDM
Maximum temperature range °C					
- dry air	+60°C	+80°C	+70°C	+70°C	+120°C
- hot oil	_ _	+60°C	– –	– –	– –
- hot water	+60°C	+40°C	+70°C	+80°C	+140°C
Minimum temperature range °C	-10°C	-20°C	-40°C	-30°C	-50°C
In general resistant against					
- mineral oils and fats	moderate	good	slightly	slightly	slightly
- animal and vegetable oils and fats	moderate	good	slighly/moderate	slightly/poor	good
- acids diluted concentrated	good moderate/slightly	moderate slightly	moderate/good moderate/good	moderate/good moderate/good	excellent good
- solvents					
aliphates, petrols	slightly	moderate/good	slightly	slightly	slightly
aromatics: toluene, benzene	slightly	slightly	slightly	slightly	slightly
esters, ethers, alcohols	slightly	slightly	good	good	excellent
chlorinated: tetra, tri etc	slightly	slightly	slightly	slightly	moderate/slightly
- water absorption	very good	very good	very good	good/very good	excellent
- sunlight and Ozone	slightly/good	very good	slightly	slightly/moderate	excellent
elasticity	good	good	excellent	good	moderate/good
resistance against deformation	slightly	moderate	good	good	good
abrasion resistance	good	excellent	excellent	very good	good
permeability	slightly	hardly	hardly	hardly	hardly
electrical insulation	good	good	good/very good	good/very good	excellent
Hardness range (Shore A)	60 - 85	50 A - 75 D	30 - 90	40 - 90	40 - 90
Flameresistance	bad	bad	slightly	slightly	slightly
Tensile strength	20 - 30 Mpa	20 - 30 Mpa	18 - 30 Mpa	15 - 25 Mpa	10 - 20 Mpa
special properties	chemical resistant, lightweight, colourproof, foodstuffs-proof, physiologicaly clear	elastic, high mechanical strength, wear and tear resistance, ozone and oxydation resistance, oil-and petrol resistant, gasproof and notch-resistant, chemicalproof	elastic, coldproof, wear and tear resistance, low concentrated acids, low temperatured water and alcohol	oilmist air, industrial water, glycol	heat resistant, steamresistant, ozone-ageing and UV resistant, chemical resistant
Thermal properties	-35°C / +70°C	-30°C / +90°C	-60°C / +80°C	-50°C / +100°C	-50°C / +160°C

Chemical name Chemical Group of the hose interior	Acrilonitrile Butadiene Copolymer (Nitrile) NBR	Chloroprene Polymer (Neoprene) CR	Silicone Rubber SI (Q)	Cross-linked Poly-Ethylene UPE/ XLPE
Maximum temperature range °C				
- dry air	+90°C	+90°C	+180°C	+66°C
- hot oil	+120°C	+60°C	_ _	+60°C
- hot water	+90°C	+70°C	+100°C	+66°C
Minimum temperature range °C	-20°C	-30°C	-60°C	-50°C
In general resistant against				
- mineral oils and fats	excellent	good	moderate	good till 60°C
- animal and vegetable oils and fats	excellent	good	moderate	good
- acids diluted concentrated	good moderate/good	excellent goed	excellent moderate	excellent excellent
- solvents				
aliphates, petrols	excellent	moderate/good	slightly	good
aromatics: toluene, benzene	good	moderate	slightly	good
esters, ethers, alcohols	bad	moderate/slightly	moderate	excellent
chlorinated: tetra, tri etc	moderate	slightly	slightly	good
- water absorption	good	good	excellent	very good
- sunlight and Ozone	moderate	excellent	excellent	good
elasticity	moderate/good	moderate/good	good	good
resistance against deformation	good	good	moderate	slightly
abrasion resistance	good	very good	slightly	moderates
permeability	slightly	slightly	hardly slightly	slightly
electrical insulation	bad	moderate/good	excellent	good
Hardness range (Shore A)	40 - 95	40 - 95	40 - 85	_ _ _ _
Flameresistance	slightly	good	moderate	bad
Tensile strength	15 - 20 Mpa	15 - 20 Mpa	10 - 20 Mpa	30 - 35 Mpa
special properties	mineral oil products, greases and fuels, anorganic acids at low concentration and temperature	chemical resistant, ozone-ageing and UV-resitant, weather resistant flameresistant	temperature resistant, cold resistant ozon-ageing resistant, odour- and tasteless	chemical resistant, oxydation resistant, stability, gasproof
Thermal properties	-30°C / +100°C	-45°C / +100°C	-60°C / +200°C short till 250°C	-50°C / +90°C

NBR : Nitrile butadiene rubber
SBR : Styrene-butadiene rubber
NR : Natural rubber
PUR (AU) : Polyurethane
XLPE : Cross -linked polyethylene
PVC : Poly-vinyl-chloride
EPDM : Ethylene propylene diene rubber

A : Excellent service
B : Limited service
C : Not recommended

The chemical resistance tables are believed to be reliable but must be used as a guide only.

Medium	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
(Alpha) Methyl Styrene (25°C)	C	–	C	–	A	–	C
Acetaldehyde	C	B	B	B	A	–	A
Acetamide	C	–	C	–	A	–	A
Acetic Acid (100%)	–	C	C	C	C	–	C
Acetic Acid Anhydride (20°C)	C	A	B	C	A	–	A
Acetic Acid (60%)	–	C	B	C	C	40°A	C
Acetone	C	A	A	–	A	–	A
Acetonnitrile	–	–	–	–	A	–	B
Acetophenone	C	–	C	–	A	–	A
Acetylacetone	C	–	C	–	A	–	A
Acid Salt (37%)	C	–	B	C	A	40°A	A
Acid Salt (20%)	B	–	B	–	A	40°A	A
Acryl Acid	C	–	C	–	C	–	A
Acrylonitrile	C	C	C	–	A	–	C
Adipic Acid	A	A	A	–	A	–	A
Allyl Alcohol	A	A	A	–	B	20°B	A
Alum	A	B	A	A	A	40°A	A
Aluminium Nitrate	A	–	A	–	B	–	A
Aluminium Chloride	A	–	A	B	A	60°A	A
Ammonium Persulphate	A	–	A	B	A	–	A
Ammonium Sulphate	A	A	A	A	A	60°A	A
Ammonium Nitrate	A	A	A	A	A	40°A	–
Ammonium Chloride	A	A	A	A	A	40°A	A
Ammonium Hydroxide	A	–	A	–	A	40°A	A
Ammonium Phosphate	A	A	A	A	A	60°A	A
Amyl Acetate	C	C	B	–	B	–	A
Amyl Alcohol	A	A	A	B	A	40°A	A
Aniline	C	C	C	–	A	–	A
Barium Chloride	A	–	A	A	A	–	A
Benzaldehyde	C	B	C	C	A	–	–
Benzene	C	C	C	C	A	–	C
Benzyl Alcohol	C	–	A	–	A	20°B	A
Benzyl Chloride (25°C)	C	–	C	–	C	–	C
Borax (Disodium Tetraborate)	A	A	A	A	A	40°A	A
Bromine	C	C	C	B	C	–	C
Bromine Benzene (25°C)	C	–	C	–	B	–	C
Bunker Oil	A	–	C	–	C	–	C
Butanone (Methyl Ethylketone)	C	–	B	–	A	–	A
Butyl Acetate	C	C	C	–	A	–	A
Butyl Aldehyde	C	–	C	–	A	–	A
Butyl Alcohol	A	A	A	C	A	40°A	A
Butyric Acid	C	–	C	–	A	–	A
Butyric Acid Ethyl	C	–	C	–	A	–	A
Butyl Ether	C	–	C	C	A	–	C
Calcium Hydroxide (Lime Water)	A	A	A	C	A	60°A	A
Calcium Hypochlorite	C	C	A	–	A	40°A	A
Calcium Nitrate	A	A	A	A	A	40°A	A
Calcium Chloride	A	A	A	A	A	40°A	A
Calcium Salt	A	–	A	–	A	–	A

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Medium	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Calcium Sulphide	A	–	A	A	A	–	A
Carbon Dioxide Gas	A	A	A	A	A	60°A	A
Carbon Tetrachloride Hydrogen	C	C	C	B	C	–	C
Carbon Disulphide	C	C	B	C	B	–	C
Carbonic Acid Gas	A	–	A	A	A	60°A	A
Caustic Soda (Sodium Hydroxide 20%)	B	B	B	B	A	40°A	A
Chloroacetic Acid (25%C)	C	C	C	C	A	–	–
Chlorobenzene (25°C)	C	C	C	C	A	–	–
Chlorodifluoridemetane (25°C)	–	–	–	–	–	–	–
Chloroform (Trichloromethane)	C	C	C	C	A	–	C
Chlorosulphonic Acid	C	C	C	C	C	–	–
Chlorine Water (0,5% Chlorine)	C	C	C	B	A	40°B	A
Chromic Acid (25% -40°C)	C	C	C	–	A	40°A	B
Citric Acid	A	A	A	A	A	40°A	A
Copper Cyanide	A	–	C	B	A	–	A
Copper Acetate	A	–	C	–	A	–	A
Cresol	C	C	C	C	C	20°B	–
Cresylic Acid	C	–	C	C	C	–	–
Cyclo Hexylamine	C	C	C	–	A	–	–
Cyclohexane	A	C	C	–	A	–	C
Cyclohexanol	A	C	A	C	A	60°A	A
Decahyronapthalene	A	C	C	A	A	–	C
Decalin	A	C	C	A	A	–	C
Diacetone Alcohol	C	A	A	B	A	–	A
Dibutyl Phthalate	C	C	C	B	A	–	A
Dibutyl Sebecate	C	C	C	C	A	–	A
Dichloroethane	C	C	C	–	A	–	C
Dichloromethane (25°C)	C	C	C	C	C	–	C
Diesel Oil	A	C	C	B	A	40°A	C
Diethyl Ether	C	C	C	B	A	20°B	–
Diethalamine	C	C	C	B	A	20°B	–
Diethylene Glycol	A	A	A	B	A	–	A
Diisobutylene	–	C	C	–	A	–	C
Dimethyl Amine	C	C	C	–	A	20°B	–
Dimethyl Aniline	C	–	C	C	A	–	B
Dimethyl Formamide	C	C	A	B	A	–	A
Dimethyl Sulphoxide	C	–	C	–	–	–	A
Dioctyl Sebecate	C	C	C	B	A	–	A
Dioctyl Phthalate	C	C	C	–	A	–	A
Dioxane (Diethylene Oxide 60°C)	C	B	C	C	A	–	A
Ethyl Acrylate	C	–	C	–	A	–	–
Epichlorohydrin	C	–	C	C	A	–	A
Ethanol	A	A	A	B	A	–	A
Ethanolamine	–	–	A	–	A	–	A
Ethyl Ether	C	C	C	–	C	–	C
Ethyl Mercaptan	C	–	C	–	A	–	–
Ethyl Glycol	A	A	A	B	A	60°A	A
Ethyl Benzole	C	C	C	–	B	–	C
Ethyl Chloride (Dichlorethane)	C	C	C	–	A	–	C
Ethyl Alcohol (Ethanol)	A	A	A	B	A	–	A

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Medium	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Ethyl Acetate (Acetal)	C	B	C	–	A	–	A
Ethylene Glycolmono Ethylether Acetate	C	A	A	–	A	–	A
Ethylene Glycolmono Ethylether	A	–	A	–	A	–	A
Fatacids	A	–	C	A	B	60°A	A
Ferric Nitrate	A	–	A	–	A	–	A
Ferric Chloride	A	A	A	B	A	–	A
Ferric Sulfate	A	–	A	B	A	–	A
Fluosilicic Acid (50%)	C	A	C	–	A	–	A
Formaldeyde Solution (40%)	B	A	B	B	A	40°A	A
Formic Acid	C	B	C	–	A	–	A
Furfural	C	–	A	–	A	–	A
Furfurol	C	–	A	–	A	–	A
Glacial Acetic Acid (Acetic Acid 100%)	C	C	B	C	C	–	C
Glucose	A	A	A	A	A	40°A	A
Glycols	A	A	A	B	A	60°A	A
Heating Oil ASTM-A (Isooctane)	A	C	C	B	A	–	C
Heating Oil	A	C	C	B	A	20°A	C
Heavy Petrol (Naphtalene)	C	C	B	C	C	–	C
Heptane	A	C	C	B	A	20°A	C
Hexane	A	C	C	B	A	20°A	C
Hexyl Alcohol	A	–	A	C	A	–	A
Hydrobromic Acid (Conc.)	C	–	C	C	C	20°A	A
Hydrocynic Acid	B	–	A	B	A	–	A
Hydrofluoride Acid (75%)	C	B	B	B	A	20°B	A
Hydrogen Peroxide (35%)	C	C	B	B	–	–	A
Hydrogen Chloride (37%)	C	C	B	–	A	–	A
Isobutyl Acetate	C	–	C	–	A	–	A
Isophorone	C	–	C	C	A	–	A
Isopropanol (Isopropyl Alcohol)	A	A	A	B	A	20°A	A
Isopropyl Benzene (40°C)	C	–	C	–	A	–	C
Isopropyl Alcohol	A	A	A	B	A	20°A	A
Lead Acetate	A	A	A	A	A	60°A	A
Lead Arsenate	A	–	A	A	A	–	A
Light Petrol	A	–	C	–	A	–	C
Liquid Ammonia	A	–	A	C	A	60°A	A
Magnesium Caustic	A	–	A	A	A	–	A
Magnesium Chloride	A	A	A	A	A	–	A
Magnesium Sulphate	A	A	A	A	A	–	A
Mercury	A	A	A	A	A	60°A	A
Mercury Salt	A	A	A	–	A	40°A	A
Methanol (Methyl Alcohol)	A	A	A	B	A	40°A	A
Methyl Acetate	C	–	C	C	A	–	A
Methyl Amine (Solution 30% - 20°C)	C	B	A	–	A	20°B	B
Methyl Acrylate	C	C	C	–	A	–	–
Methyl Chloride Gas	C	C	C	C	B	–	C
Methyl Isobutyl Ketone	C	C	C	C	A	–	A
Methylene Chloride (20°C Dichlorometane)	C	C	C	C	C	–	C
Naphta	A	C	C	B	A	–	C
Naphtalene	C	C	C	B	C	–	C
Nickel Sulphate	A	A	A	B	A	–	A

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Medium	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Nitric Acid (60°C - 20%)	C	C	C	C	A	–	B
Nitric Acid 100%	C	C	C	C	C	–	C
Nitric Acid (Fuming 100%)	C	C	C	C	C	–	C
Nitro Propane	C	B	B	C	A	–	A
Nitro Benzene (40°C)	C	C	C	C	A	–	C
Nitrogen Gas	A	A	A	A	A	–	A
Octane	A	–	C	A	A	–	C
Oleic Acid	A	–	–	C	B	A	A
Oleum	C	C	C	C	C	–	C
Oxalic Acid	B	B	A	C	A	60°A	A
Ozone	C	C	C	A	B	20°A	A
Palmitic Acid	A	C	B	A	B	20°A	A
Parrafine (Alkane)	A	C	C	B	A	40°A	B
Perchlorethylene (20°C)	C	C	C	C	B	–	C
Petrol (Super)	A	C	C	C	A	–	C
Petrol with 60% Benzene	A	C	C	B	A	–	C
Petroleum Ether	A	C	C	B	A	60°A	C
Petroleum	A	C	C	A	A	20°A	C
Phenol (Carbolic Acid 60°C)	C	C	C	C	B	20°B	A
Phosphoric Acid (60°C)	B	A	B	C	A	40°A	A
Phosphoric Chloride (50°C)	C	–	C	–	B	–	–
Picric Acid (Alcohol Solution)	B	B	B	C	A	20°A	A
Potassium Chlorate	A	B	A	A	A	60°A	A
Potassium Chloride	A	A	A	A	A	60°A	A
Potassium Hydroxide Solution	B	–	A	A	A	40°A	A
Potassium Carbonate	A	A	A	B	A	40°A	A
Potassium Cyanide	A	A	A	B	A	60°A	A
Potassium Permanganate	C	B	C	A	A	40°A	A
Potassium Sulphate	A	B	A	A	A	40!A	A
Potassium Bromide	A	A	A	–	A	40°A	A
Potassium Iodide	A	A	A	–	A	60°A	A
Potassium Nitrate	A	A	A	A	A	60°A	A
Propionic Acid Ethyl Ester	C	C	A	–	A	60°A	A
Propyl Alcohol	A	A	A	B	A	20°A	A
Propyl Acetate	C	–	B	–	A	–	A
Pyrdine	C	C	C	C	A	–	B
Salt Solution	A	A	A	B	A	40°A	A
Silicone Grease	A	A	A	A	A	–	A
Silicone Oil	A	A	A	A	A	20°A	A
Silver Salt	A	B	–	A	A	40°A	A
Sodium Thiosulphate	A	A	A	B	A	40°A	A
Sodium Nitrate	A	A	A	A	A	40°A	A
Sodium Sulphide	A	A	A	A	A	40°A	A
Sodium Hypochloride (13%)	C	C	C	B	B	40°A	A
Sodium Sulphate	A	A	A	A	A	40°A	A
Sodium Phosphate	A	A	A	B	A	40°A	A
Sodium Silicate	A	A	A	B	A	40°A	A
Sodium Acetate	A	–	A	B	A	20°A	A
Sodium Perborate	A	–	A	–	A	–	A
Sodium Hypochlorite (13%)	C	C	C	B	B	40°A	A

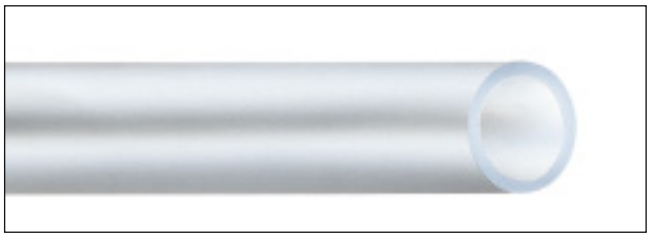
NBR : Nitrile butadiene rubber
SBR : Styrene-butadiene rubber
NR : Natural rubber
PUR (AU) : Polyurethane
XLPE : Cross-linked polyethylene
PVC : Poly-vinyl-chloride
EPDM : Ethylene propylene diene rubber

A : Excellent service
B : Limited service
C : Not recommended

The chemical resistance tables are believed to be reliable but must be used as a guide only.

Medium	NBR	SBR	NR	PUR	UPE/ XLPE	PVC	EPDM
Sodium Bisulphite	A	A	A	C	A	40°A	A
Sodium Chloride	A	A	A	B	A	40°A	A
Sodium Cyanide (30%)	A	–	A	B	A	–	A
Sodium Hydroxide (20%)	B	B	B	B	A	40°A	A
Sodium Carbonate	A	A	A	B	A	60°A	A
Spirits of Nitre (40°C - 40%)	C	B	C	C	–	40°A	B
Stearic Acid	A	A	A	A	A	60°A	A
Sugar	A	–	A	A	A	40°A	A
Sulfur Chloride	C	B	–	C	A	–	B
Sulphur Dioxide (Dry 60%)	C	B	C	B	A	60°A	A
Sulphuric Acid (10%)	C	B	C	B	A	20°B	A
Sulphuric Acid (96% -20°C)	C	B	C	C	A	C	C
Sulphuric Acid Anhydride (Sulphur Trioxide)	C	–	–	C	C	–	B
Sulphuric Acid (100% fuming)	C	B	C	C	C	C	C
Sulphuric Acid (20% - 50°C)	B	B	B	A	A	C	A
Sulphuric Acid (75% - 50°C)	C	B	C	C	A	C	B
Sulphuric Acid (50% - 50°C)	C	B	B	B	A	C	A
Tannin (Tannic Acid)	C	A	C	C	A	20°B	A
Turpentine	A	C	C	C	A	20°A	C
Test Fuel (White Spirit)	A	C	C	B	A	–	C
Tetrachlor Ethane	C	C	C	–	A	–	C
Tetrahydrofuran	C	C	C	–	B	–	C
Toluol (20°C)	C	C	C	C	B	–	C
Trichlor Ethylene	C	C	C	C	C	–	C
Trietamine	A	–	C	–	A	–	C
Triethanolamine (20°C)	A	C	A	C	A	20°B	A
Trimethyl Amine	A	–	C	–	A	–	C
Urea	A	A	A	B	A	40°A	A
Vinyl Acetate	C	C	C	–	A	–	A
Water	A	A	A	A	A	A	A
White Spirit	A	C	C	B	A	–	C
Wine Acid	A	A	A	A	A	–	A
Xylene	C	C	C	C	C	–	C
Zinc Acetate	A	C	A	C	A	–	A
Zinc Chloride	A	–	A	B	A	–	A
Zinc Sulfate	A	–	A	B	A	–	A

Polyform



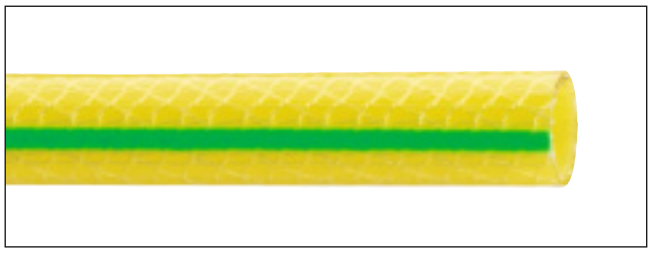
PVC-Waterhose
for water, restricted chemical resistant.
Also for use as protective sleeves for wires and ropes.
Non-toxic PVC quality

Temperature range : -15°C / +60°C
Structure : PVC, clear transparent, smooth

Marking: **Non Toxic**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
3	1	5	5	0,016	100	4041 003005
4	1	6	4	0,020	100	4041 004006
4	1,5	7	5	0,033	100	4041 004007
5	1,5	8	4,5	0,039	100	4041 005008
6	1,5	9	4	0,045	100	4041 006009
6	2	10	5	0,064	100	4041 006010
7	1,5	10	4	0,051	100	4041 007010
8	2	12	4	0,080	50	4041 008012
9	2	13	4	0,090	50	4041 009013
10	2	14	3,5	0,096	50	4041 010014
12	2	16	3	0,112	50	4041 012016
13	2,5	18	3,5	0,155	50	4041 013018
14	2,5	19	3,5	0,165	50	4041 014019
15	2,5	20	3	0,175	50	4041 015020
16	3	22	3,5	0,230	50	4041 016022
18	3	24	3	0,250	50	4041 018024
19	4	27	4	0,370	50	4041 019027
20	3	26	3	0,280	50	4041 020026
22	3	28	3	0,300	50	4041 022028
25	3	31	2,5	0,340	50	4041 025031
30	3,5	37	2,5	0,470	50	4041 030037
32	4	40	3	0,580	50	4041 032040
38	5	48	3	0,860	50	4041 038048
50	5	60	2,5	1,100	50	4041 050060

Tebaflex/ATC



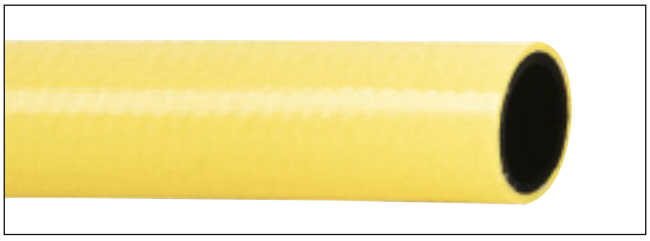
PVC waterhose
With special ANTI-TWIST knitted insertions.

Working pressure : 7 bar at 20°C
Burst pressure : 20 bar
Temperature range : -10°C/ +60°C
Tube : PVC, yellow, smooth
Cover : PVC, transparent with green striping

Marking: **TEBAFLEX/ATC ANTI TWIST CONSTRUCTION PN 7 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
12,5	2,5	17,5	0,120	50	4110 012000
19	2,75	24,5	0,225	50	4110 019000

Tricotech®



Marking: **TRICOTECH® cadmiumfree**

Thermoplastic waterhose
with special „anti-twist“ knitted insertions.

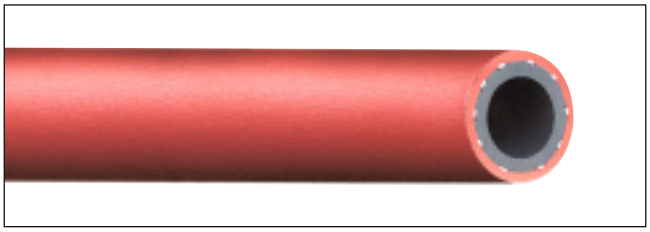
Working pressure : 10 bar at 20°C
Temperature range : -15°C / +60°C
Tube : PVC, black, smooth
Cover : PVC, yellow, smooth

* Double Layer Construction
with an innovative combination of braided and knitted polyester yarns, which guaranties a higher resistance to dilatation and torsion of the hose.

ø Inner mm	ø Outer mm	Burst Pressure	kg/mtr	Length mtr	Art.-No.
12,5*	17	25 bar	0,150	25 / 50	4100 012000
15	20	25 bar	0,185	50	4100 015000
19*	25	25 bar	0,270	25 / 50	4100 019000
25*	32	24 bar	0,410	50	4100 025000
30	38	24 bar	0,620	50	4100 030000
40	50	24 bar	0,960	50	4100 040000
50	63	24 bar	1,420	25	4100 050000

Induform® / RL

Waterhose for agriculture and construction



easy-handling light-weighthose for irrigation, gardening etc.
Polyesterply reinforced.

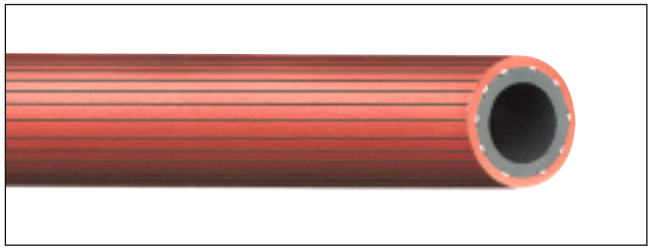
Working pressure : 10 bar
Burst pressure : 30 bar
Temperature range: -20°C / +60°C
Tube : black, smooth
Cover : red, smooth

Marking: INDUFORM® / RL PN 10 BAR

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3	19	0,205	40	4130 013000
19	3,5	26	0,360	40	4130 019000
25	4	33	0,510	40	4130 025000

Induform® / RR

Waterhose for agriculture and construction
Reinforced with polyesterplies, for gardening and irrigation, building and construction.

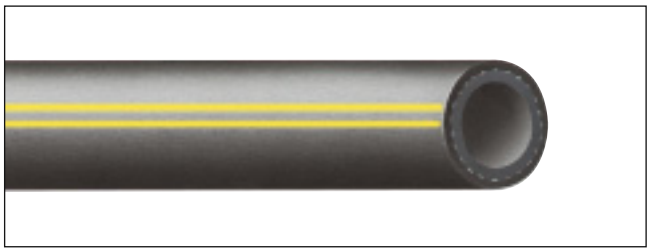


Working pressure : 10 bar
Burst pressure : 30 bar
Temperature range : -20°C / +60°C
Tube : black, smooth
Cover : red, corrugated

Marking: INDUFORM® / RR PN 10 BAR

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3	19	0,205	100/40/20	3000 013000
19	3,5	26	0,360	100/40	3000 019000
25	4	33	0,510	100/40	3000 025000
32	6	44	1,010	40	3000 032040
38	6	50	1,150	50	3000 038000

Calorform



Waterhose

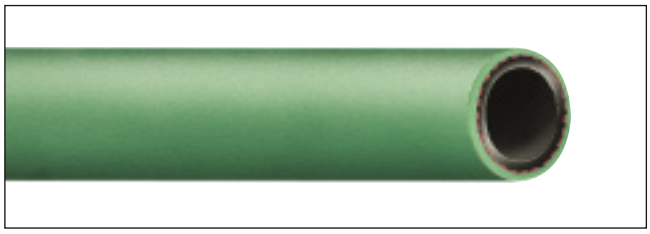
Rubber hose for hot water, fine EPDM blend, with yellow mark striping weather- and ageing resistant, black smooth.

Working pressure : 15 bar
Brust pressure : 45 bar
Temperature range : -40°C / +100°C
Tube : EPDM, black, smooth
Cover : EPDM, black, smooth with 2 yellow stripes

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3,5	17	0,200	40	3126 010000
13	3,5	20	0,240	40	3126 013000
16	3,5	23	0,280	40	3126 016000
19	3,75	26,5	0,330	40	3126 019000
25	4	33	0,450	40	3126 025000

Cutted lebgth if available

Python / green



Marking: **PYTHON and manufacturers brand, free of nitrosamine**

Multi-purpose waterhose

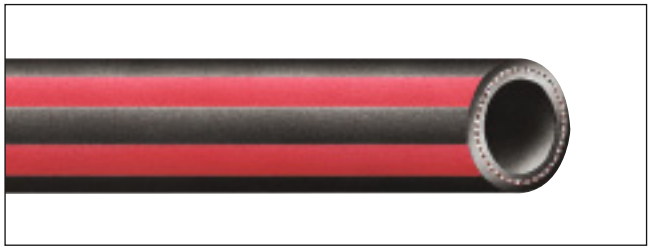
for industrial water, non-agressive liquids and seawater. Hose has very good chemical properties. Flexible and non-staining. Ageing- and ozoneresistant.

Working pressure : 20 bar
Burst pressure : 60 bar
Temperature range : -40°C / +120°C intermittant use till +140° C
Tube : antistatic EPDM, black smooth,
Cover : EPDM, green, smooth
Reinforcements : textile plies

also available as Python/yellow with working pressure: 30 bar

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3,5	20	0,260	40/80	3020 013020
19	4	27	0,410	40/80	3020 019000
25	4,5	34	0,600	40/80	3020 025000
32	6	44	0,980	40	3020 032000

Trix / Rotstrahl®



Marking: **MANUFACTURERSNAME TRIX ROTSTRAHL®.. BAR BETRIEBSDRUCK - Made in GERMANY**

Waterhose-multi-purpose hose

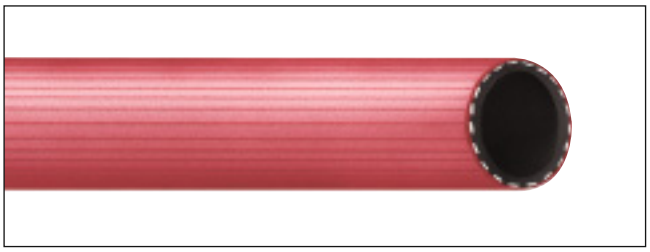
For general application in industry, agriculture, construction, mines, shipyards, a.o.

Hose has external anti-abrasion stripings.

Temperature range : -40°C / +100°C
Tube : synthetic rubber, black, smooth
Cover : synthetic rubber, red/black longitudinal striping, smooth

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
13	3	19	20	0,250	40	3025 013000
16	3,5	23	20	0,330	40	3025 016000
19	4	27	20	0,440	40	3025 019000
25	4,5	34	20	0,580	40	3025 025000
32	5,5	43	15	0,870	40	3025 032000
38	6	50	15	1,100	40	3025 038000
50	7	64	10	1,560	40	3025 050000

Tamburi®



Marking: **TAMBURI® EN 694-A2 Diam / Quarter / Year**

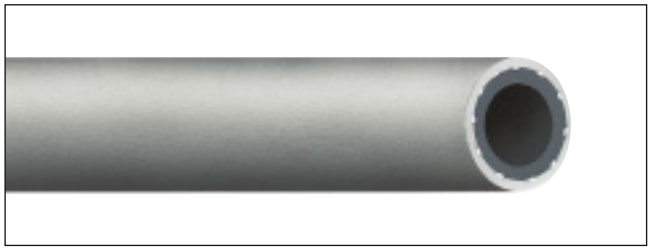
Firereelhose

for firereels in buildings, according European Norms, hose is kinkproof and has very low expansion.

Norm	:	EN 694
Burst pressure	:	42 bar
Temperature range	:	-30°C / +60°C
Tube	:	black,smooth,
Cover	:	red, corrugated

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
19	3,5	26	0,330	20/25/30	3010 019000
25	4	33	0,495	20/25/30	3010 025000

Lavaform



Marking: **Diameter - 90 BAR / MAX 25°C**

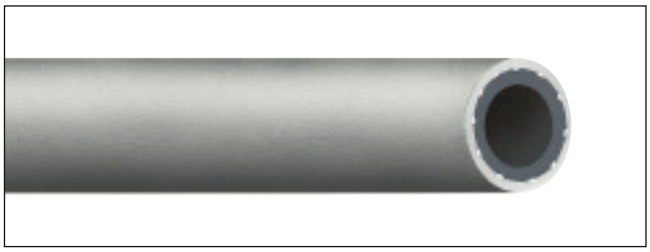
Waterhose for washing-machines

Waterpressurehose for washing-machines, dishwashers, domestic equipments.

Working pressure	:	30 bar
Burst pressure	:	90 bar
Temperature range	:	-20°C / +60°C
Tube	:	Thermoplastic,black smooth
Cover	:	Thermoplastic, grey smooth
Reinforcements	:	polyester braids

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	3,5	20	0,250	40	4011 013000

Lavaform / Extra



Marking: **Diameter - 90 BAR MAX 95°C PD AT BAR 25°C**

Waterhose for washing-machines

pressurehose for washing-machines, dishwashers, domestic equipments.

Working pressure	:	30 bar
Burst pressure	:	90 bar at 25°C
Temperature range	:	-20°C / +95°C
Tube	:	Thermoplastic, temperature resistant, black smooth
Cover	:	Thermoplastic, grey smooth
Reinforcements	:	polyester braids

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3,5	17	0,215	40	4012 010000
13	3,5	20	0,250	40	4012 013000

Sprayfire

Highpressure multi-purposehose

For fire-fighting equipment, agricultural spraying of pesticides, nitrogen, highpressure waterjetting.
The ARAMIDE (TWARON) insertions provide a kinkproof and antitwist structure, suitable for reeling purposes.

Working pressure : 60 bar
Burst pressure : 180 bar
Temperature range : -20°C /+70°C
Tube : NBR/PVC, black, smooth
Cover : PU/PVC, black, smooth

Marking: **SPRAYFIRE PN 60 / PB 180 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	4,5	19	0,290	100	3170 010000
13	5,5	24	0,470	100	3170 013000
19	6,0	31	0,575	60/90	3170 019000
25	6,5	38	0,900	60	3170 025000

Cutted length possible

Eurolon®

Layflat vinyl waterhose for easy-handling discharge

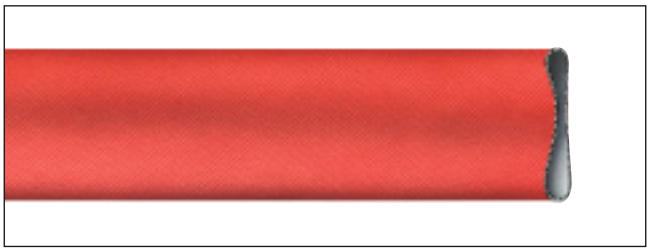
For use in agriculture, industry and construction to enable easy and fast discharge or supply of water.

Temperature range : -10°C /+60°C
Construction : Through the textile plies extruded PVC
Color : blue

For coupling	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
1"	7	0,165	50	4010 025000
1.1/4"	7	0,200	100	4010 032000
1.1/2"	7	0,230	100	4010 038000
2"	7	0,333	100	4010 050000
2.1/2"	7	0,430	100	4010 063000
3"	6	0,570	100	4010 075000
4"	6	0,865	100	4010 100000
5"	6	1,080	50	4010 125000
6"	6	1,482	50	4010 150000
8"	4	2,020	50	4010 200000

Cutted length possible

Pyroflat®



Fire-fightinghose (red)

Flatcollapsable waterhose

Norm : prEN 1924
Tube : synthetic rubber, black
Cover : 100 % polyester, circular woven
Red execution : Polyurethane coating for good resistance against abrasion and ageing.

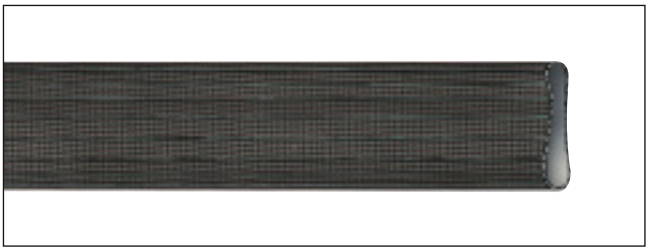
Fire-fightinghose (white uncoated) on request

Marking: **PYROFLAT® ACC. prEN 1924**

ø Inner mm	PB/bar	kg/mtr	Length mtr	Art.-No.
38	50	0,220	20 / 30 / 50 / 100	4022 038000
52	50	0,290	20 / 30 / 50 / 100	4022 050000
63	50	0,390	20 / 30 / 50 / 100	4022 063000
75	50	0,470	20 / 30 / 50 / 100	4022 075000
102	35	0,570	20 / 30 / 50 / 100	4022 100000

Cutted length possible

Agriflat



Layflat multi-function hose

Fire-fighting, water and air handling. Oil-fuel and acid resistant. Also for dung, irrigation and draining applications. High tensile strength, heavy duty polyester/polyamide yarns. Fully embedded in the rubber compound. Ozone- and weather resistant, space saving and easy handling.

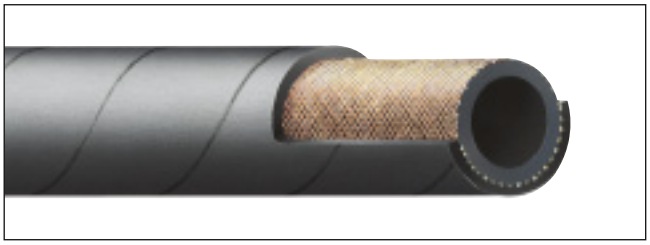
Temperature range : -20°C / +100°C (water)
Construction : NBR/PVC compound, pressed through the textile in an extrusion process. Cover black ribbed for good abrasion resistance and protection against contact with heat
Coil Length : possible till 200 meter upon request

ø Inner mm	Wall mm	PN/bar at 20°C	PB/bar	kg/mtr	Length mtr	Art.-No.
19,5	2	25	75	0,160	20 / 100	3070 019000
25,5	2	25	75	0,180	20 / 100	3070 025000
32	2	20	60	0,230	20 / 100	3070 032000
38	2	16	50	0,280	20 / 100	3070 038000
52	2,2	16	50	0,370	20 / 100	3070 050000
65	2,2	16	50	0,510	--- / 100	3070 063000
76	2,5	16	50	0,680	20 / 100	3070 075000
90	2,8	16	50	0,900	20 / 100	3070 090000
102	2,8	16	50	1,000	20 / 100	3070 100000
127	3	15	45	1,400	20 / 100	3070 125000
152	3	14	42	1,700	20 / 50	3070 150000
203	3,3	10	30	2,400	50	3070 200000

Cutted length possible

Inducord®

Waterpressurehose for industrial applications



Waterpressurehose for industrial water, dung, mud, waste water. Strong and robust.

Working pressure : 10 bar (I.D. 254 mm 6 bar)
Burst pressure : 30 bar (I.D. 254 mm 18 bar)
Temperature range : -30°C / +80°C
Tube : SBR, black, smooth
Cover : SBR, black smooth fabric finish

Marking: INDUCORD® WATER / WASSER PN 10 BAR

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
22	4	30	40	3040 022000
25	5	35	40	3040 025000
28	5	38	40	3040 028000
32	5,5	43	40	3040 032000
35	5,5	46	40	3040 035000
38	6	50	40	3040 038000
40	6,5	53	40	3040 040000
42	6,5	55	40	3040 042000
45	7	59	40	3040 045000
48	6,5	61	40	3040 048000
50	7	64	40	3040 050000
60	7	74	40	3040 060000
63	8	79	40	3040 063000
70	7	84	40	3040 070000
76	7	90	40	3040 075000
80	8	96	40	3040 080000
90	8	106	40	3040 090000
102	8	118	40	3040 100000
110	9	128	20	3040 110000
127	9	145	20	3040 125000
152	11	174	20	3040 150000
203	11	225	20	3040 200000
254	10,5	275	10	3040 250000

Cutted length possible

Dehatherm®

Multipurpose high-grade pressurehose

for water, air, mineral oils and fats
(aromatic content not exceeding 40%)

Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-20°C / +80°C for water intermittant +120°C
Innertube	:	NBR, black, smooth
Electrical resistance	:	< 10^6 Ω
Cover	:	CR, brown, smooth fabric finish, abrasion-, ozone- and weatherresistant

Marking: **DEHATHERM® PN 10 BAR R < 1 M Ω**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	5	23	40	3041 013000
19	5	29	40	3041 019000
22	5	32	40	3041 022000
25	5	35	40	3041 025000
30	5,5	41	40	3041 030000
40	7	54	40	3041 040000
42	8	58	40	3041 042000
45	8	61	40	3041 045000
60	10	80	40	3041 060000
80	11	102	40	3041 080000

Cutted length possible / other sizes on request

Inducord® / Lancia

Industrial waterhose with conical end

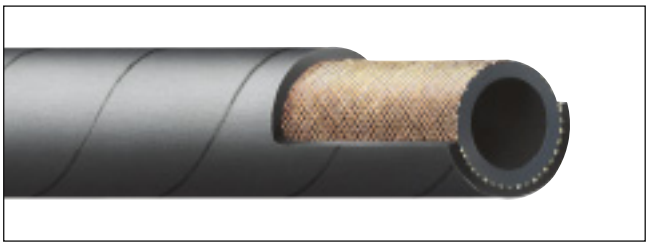
For cleaning floors and shipdecks. The conical hose-end can easily be closed by hand and allows a regular pressure.

Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-20°C/ +80°C
Tube	:	Synthetic rubber, black, smooth
Cover	:	Synthetic rubber, black, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	5	35	15	3043 025***
32	6	44	15	3043 032***
38	6	50	15/20/25	3043 038***

*** incomplete article number

Inducord® / TC



Tankcleaning hose

Tank cleaning hose designed for the cleaning of tanks by using a rotating head. Due to its peculiar structure the hose in working condition is not subject to elongation.
Hose is provided with yellow rings at 5 meter intervals.

Working pressure	:	20 bar
Burst pressure	:	62 bar
Temperature range	:	-30°C/+95°C
Tube	:	EPDM, black, smooth
Cover	:	EPDM, black with fabric finish
Insertions	:	High strength textile plies and two stainless steel wires.

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
38	8	54	1,55	60	3045 038000
51	8	67	1,90	60	3045 050000

Inducord® / Glasfiber

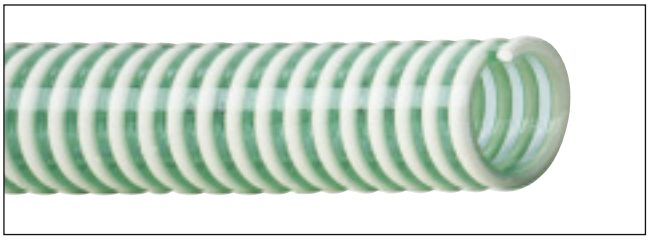
Water-coolanthose, with glassfiber cover, heatresistant
Waterhose with heat-insulating properties, for melting furnaces, steel works, glassworks, foundries and sites dealing with high temperatures.

Working pressure	:	20 bar
Burstp ressure	:	60 bar
Temperature range	:	+100°C Watertemperature till +450°C heatradiation
Tube	:	EPDM, white, elecrically isolating
Cover	:	Glassfiber plies, white smooth
Reinforcements	:	textile plies

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	6	25	40	3042 013025
19	6	31	40	3042 019031
25	7	39	40	3042 025039
32	8	48	40	3042 032048
38	10	58	40	3042 038058
40	8,5	57	40	3042 040057
42	9	60	40	3042 042000
45	8,5	62	40	3042 045062
50	10	70	40	3042 050000
76	10	96	40	3042 076096

Cutted length possible

Cosmo®



Thermoplastic suction/dischargehose
for industrial, agricultural watersuction under light duty conditions. Kinkproof and flexible multi-purposehose.

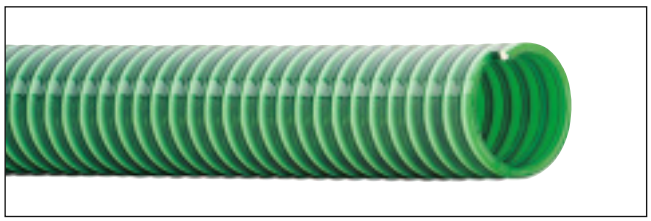
Vacuum	:	0,6 bar
Temperature range	:	-10°C / +60°C
Construction	:	Thermoplastic, green transparent smooth inside, corrugated outside, white rigid PVC spiral reinforced

Marking: **COSMO® - DIAMETER**

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
20	8	0,230	50	4400 020000
25	7	0,280	50	4400 025000
32	6	0,380	50	4400 032000
38	6	0,470	50	4400 038000
50	5	0,770	50	4400 050000
60	4,5	0,920	50	4400 060000
63	4	1,020	50	4400 063000
76	3,5	1,350	50	4400 075000
90	3	1,870	50	4400 090000
102	3	2,200	50	4400 100000

Cutted length possible

Cosmo® Elastico



Thermoplastic suction / dischargehose
for industrial, agricultural watersuction under light duty conditions. Superflexible multi-purposehose.

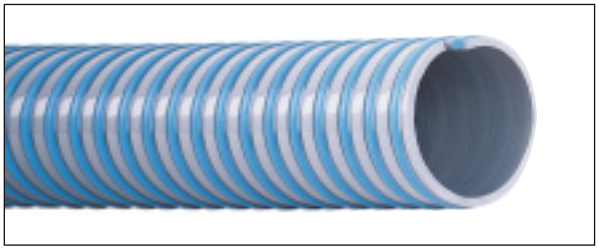
Vacuum	:	0,6 bar
Temperature range	:	-15°C / +60°C
Construction	:	Thermoplastic, darkgreen transparent smooth inside, corrugated outside, white rigid p.v.c. spiral reinforced
Standard coils	:	50 meter

Marking: **COSMO® ELASTICO - DIAMETER**

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
40	6	0,600	50	4405 040000
51	5	0,850	50	4405 050000

Cutted length possible

Superelastico



Medium-duty thermoplastic suction/discharge hose
for industrial water, waste-water, dung a. o.
High-quality PVC - compound with rigid PVC spiral, offering an extremely flexible hose, also under cold conditions.

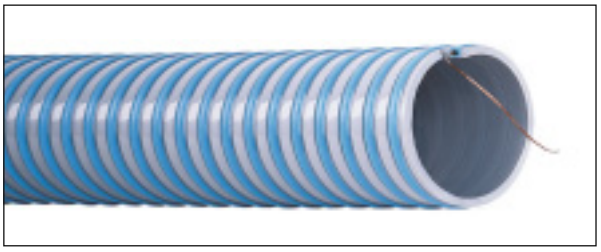
Vacuum : 0,9 bar
Temperature range : -25°C / +60°C
Construction : PVC, grey with blue spiral, inside smooth, outside corrugated

Marking: **SUPER ELASTICO - DIAMETER**

ø Inner mm	Wall mm	ø Outer mm	PN/bar ati 20°C	kg/mtr	Length mtr	Art.-No.
25	4,5	34	7	0,500	50	4450 025000
32	5	42	6	0,600	50	4450 032000
38	5	48	6	0,700	50	4450 038000
51	6	63	5	1,050	50	4450 050000
63	6,5	76	4,5	1,400	50	4450 063000
76	7	90	4	1,750	50	4450 075000
90	7,5	105	3,5	2,250	50	4450 090000
102	8	118	3	2,700	50	4450 100000
110	8,5	127	3	3,100	20	4450 110000
127	9	145	2,5	3,900	20	4450 125000
152	10	172	2	5,000	4/5/6/20	4450 150000
203	12,5	228	1,5	10,000	4/5/6	4450 200000

Cutted length possible

Superelastico / AS



Medium duty flexibele thermoplastic suction/ discharge hose
for industrial water, dung a.o.

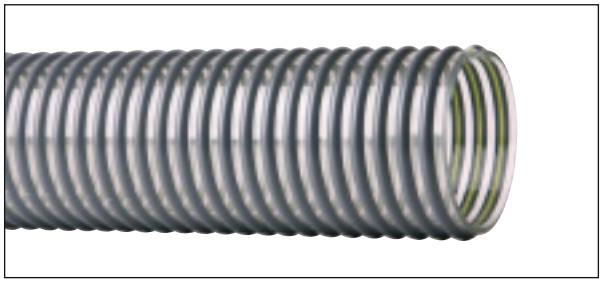
Vacuum : 0,9 bar
Temperature range : -25°C / +60°C
Construction : PVC, grey, with blue hollow spiral and internal static wire, inside smooth, outside corrugated

Marking: **SUPER ELASTICO /AS - DIAMETER**

51	6	63	5	1,050	50	4455 050000
76	7	90	4	1,750	50	4455 075000
102	8	118	3	2,700	50	4455 100000
127	9	145	2,5	3,900	30	4455 125000
152	10	172	2	5,000	20	4455 150000

Cutted length possible

Armoflex / HP



High Performance
For industrial water, liquid manure, mud and slurry, heavy-duty appliances. Very flexible spiral hose, non-toxic quality. The steel spiral is externally covered with an extra protective strip in rigid PVC, creating a tougher hose with extra wear resistance on the outside, exceeds the conventional "ARMOFLEX" features.

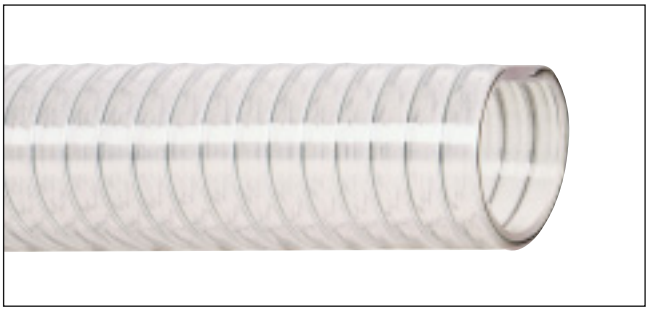
Vacuum : 0,9 bar
Temperature range : -15°C / +60°C
Construction : Transparent smooth PVC inside, embedded steel wire helix profiled hard PVC cover

Marking: **ARMOFLEX / HP - DIAMETER**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
76	6	88	4	1,850	30	4484 075000
102	6,5	115	3	3,000	20	4484 100000

Cutted length possible

Armoflex



Thermoplastic suction/discharge hose

heavy duty spiral-reinforced hose for water, potable water, mud, dung, industrial cleaning a. o.
Very flexible and kink-proof, non-toxic quality (cadmium-and leadfree).

Vacuum : 0,9 bar
Temperature range : -15°C / +60°C
Construction : Thermoplastic, transparent, smooth, fully incorporated steel wire helix

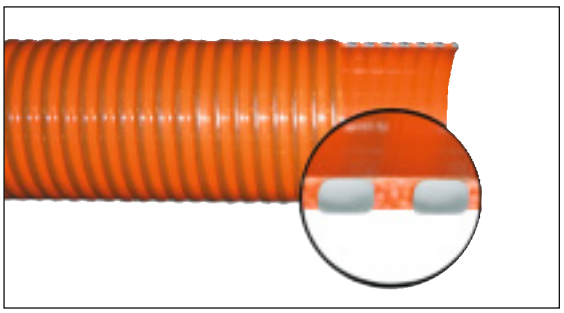
Also possible in version:
Armoflex/Oil (page 52) and **Armoflex/PU** (page 41)

Marking: **ARMOFLEX - NON TOXIC - DIAMETER**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
10	3	16	10	0,180	30	4480 010000
12	3	18	9	0,190	30	4480 012000
14	3	20	9	0,230	30	4480 014000
16	3	22	9	0,260	30	4480 016000
18	3,5	25	8	0,300	30	4480 018000
20	3,5	27	8	0,340	30	4480 020000
25	4	33	8	0,520	30	4480 025000
32	4	40	8	0,660	30	4480 032000
38	4,5	47	7	0,800	30	4480 038000
40	5	50	7	0,950	30	4480 040000
45	5	55	6	1,150	30	4480 045000
51	5,5	62	5	1,350	30	4480 050000
60	6	72	5	1,750	30	4480 060000
63	6	75	5	1,800	30	4480 063000
76	6,5	89	4	2,300	30	4480 075000
80	6,5	93	4	2,580	30	4480 080000
90	7	104	4	2,950	20	4480 090000
102	7,5	117	3	3,750	20	4480 100000
110	8,5	127	3	3,900	20	4480 110000
127	8	143	3	4,800	20	4480 125000
152	9	170	2	6,500	20	4480 150000

Cutted length possible

Quadriflex



The NEW GENERATION
Thermoplastic suction/discharge hoses

For industrial water, waste water, slurry, bilge, dung, irrigation and others.
Patent pending construction with **rectangular spiral** instead of round spiral. Benefits are a considerable weight reduction, a smooth cover wider range of applications, without concessions to flexibility and bending radius.

Vacuum : 0,9 bar
Temperature range : -25°C / +60°C
Construction : Thermoplastic, orange colour, incorporated oval-shaped PVC spiral in grey colour
Bending radius : 4x inside diameter

Marking: **QUADRIFLEX - DIAMETER - YEAR/WEEK**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
51	4	59	5	0,850	50	4460 050000
76	5	86	4	1,500	50	4460 075000
80	5,2	90,4	4	1,600	50	4460 080000
90	5,5	101	3,5	1,900	50	4460 090000
102	5	112	3,5	2,200	50	4460 100000
110	5,6	121,2	3	2,550	30	4460 110000
127	6,5	140	2,5	3,200	20	4460 125000
152	7	166	2	4,300	4/5/20	4460 150000

Cutted length possible

Deltaflex®

Rubber suctionhose for industry, agriculture, construction

Straight lengths with both sides spiralfree cuffs for easy adaption of couplings. Flexible and kink-proof hose for high vacuum and modest pressure (3 bar).

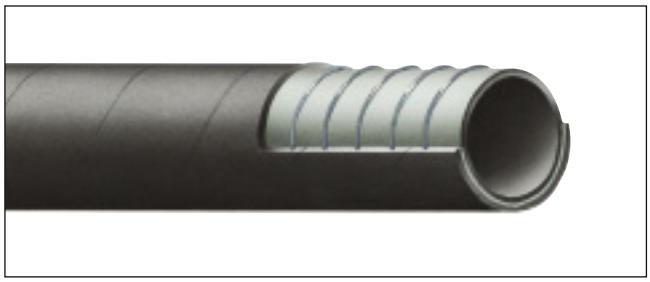
Working pressure	:	max. 3 bar
Vacuum	:	0,9 bar
Temperature range	:	-30°C / +80°C
Tube	:	SBR, black, smooth
Cover	:	SBR, black corrugated, fabric finish smooth cuffs, without spiral
Reinforcements	:	steel wire helix, textile plies

Can also be supplied with incorporated „static-wires“. Other lengths upon request.

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
50	5	60	2/3/5/6	3600 050***
76	6	88	2/3/4/5/6	3600 075***
102	7	116	2/3/4/5/6	3600 100***
110	7	124	3/4/4.90	3600 110***
127	8	143	3/5/6	3600 125***
133	8	149	2	3600 133***
152	9	170	3/4/5/6	3600 150***
203	11	225	2/3/4/5/6	3600 200***

*** incomplete article number

Heduflex®



Rubber suction/dischargehose, multi-purpose application

for industrial water, dung,drainage,vacuumpumps, where a kinkproof and heavy-duty application is required.
The quality permits a rough-handling application.

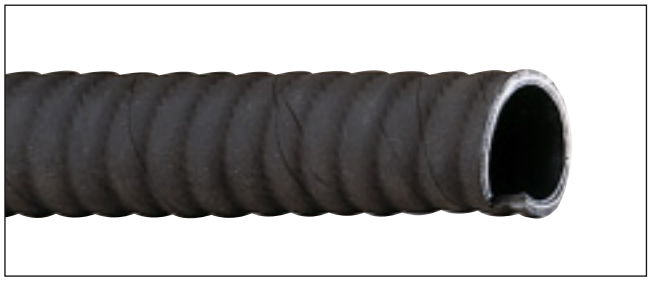
Working pressure	:	10 bar (ø 203 / 254 mm - 6 bar)
Burst pressure	:	30 bar (ø 203 / 254 mm - 18 bar)
Vacuum	:	0,8 bar
Temperature range	:	-30°C / +80°C
Tube	:	SBR, black, smooth
Cover	:	SBR, black, smooth, fabric finish,
Reinforcements	:	textile plies, steel wire helix

Marking: **HEDUFLEX® S/D PN 10 BAR (Ø 203/254 MM PN 6 BAR)**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	5,5	30	40	3640 019000
25	5	35	40	3640 025000
32	5	42	40	3640 032000
38	6	50	40	3640 038000
40	6	52	40	3640 040000
51	6	63	40	3640 050000
60	6,5	73	40	3640 060000
63	6,5	76	40	3640 063000
70	7	84	40	3640 070000
76	7	90	20/40	3640 075000
80	7,5	95	40	3640 080000
90	7,5	105	40	3640 090000
102	8	118	10/20/40	3640 100000
110	8	126	20	3640 110000
127	9,5	146	20	3640 125000
152	10	172	20	3640 150000
203	12	227	5/6	3640 200000
254	12	278	5/6	3640 250000

Cutted length possible

Tubimar® / Lloyds



Marking: **ITALY SCAMO/SP MARINE WET EXHAUST APPROVED LLOYD´S REGISTER 0474 R.I.NA. SAE J 2006:03 R2-ISO 13363:04 Type 2 CLASS B-(Ø quarter/year)**

Marine exhaust hose

Also suitable for cooling the heat exchangers on pleasure boats. According SAE J 2006:03 R2 – ISO 13363:04 TYPE 2 CLASS B.

Norm	:	Lloyd´s register – 0474 R.I.NA.
Temperature range	:	-30°C / +85°C
Burstpressure	:	> 2,5 bar
Tube	:	Black, smooth, exhaust and sea water resistant rubber
Cover	:	Black, resistant to abrasion, heat and marine environment. Corrugated cover with fabric impression
Insertions	:	Textile plies and helix wire

ø Inner mm	Length mtr	Bending radius mm	Art.-No.
40	20	80	3737 040000
45	20	90	3737 045000
51	20	100	3737 050000
60	20	120	3737 060000
76	20	150	3737 075000
90	20	180	3737 090000
102	20	200	3737 100000
127	20	250	3737 125000

Cutted length possible

Radiacord®

Marking: **RADIACORD® PN 4 BAR MAX. 110° C**

Radiator- and hotwaterhose

for pumps in engines and machines. Also for low-pressure hotwater purposes. Resistant against cooling liquids.

Working pressure	:	4 bar
Temperature range	:	-30°C / +110°C
Tube	:	EPDM, black,smooth
Cover	:	EPDM, black, smooth, fabric finish

* Extruded version - tube and cover smooth

Cutted length possible

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
10*	3	16	40	3100 010000
13*	3,5	20	40	3100 013000
15*	3,5	22	40	3100 015000
18*	3,5	25	40	3100 018000
20*	3,5	27	40	3100 020000
22	3,5	29	40	3100 022000
25	3,5	32	40	3100 025000
28	3,5	35	40	3100 028000
30	4	38	40	3100 030000
32	3,5	39	40	3100 032000
35	3,5	42	40	3100 035000
38	3,5	45	40	3100 038000
40	3,5	47	40	3100 040000
42	3,5	49	40	3100 042000
45	4	53	40	3100 045000
48	4	56	40	3100 048000
50	4,5	59	40	3100 050000
60	5	70	40	3100 060000
63	5	73	40	3100 063000
76	4	84	40	3100 075000
90	4	98	20	3100 090000
102	4	110	40	3100 100000
110	6	122	20	3100 110000

Radiacord® / DIN

Radiator and hotwaterhose
For pumps in engines and machines. Also for low-pressure hotwater purposes. Resistant against cooling liquids.

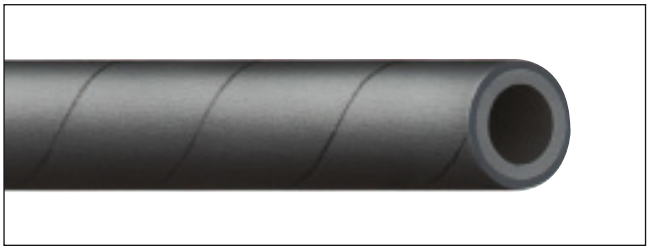
Norm	:	DIN 73411 from Juli 1979
Working pressure	:	4 bar
Burst pressure	:	12 bar
Temperature range	:	-30°C / +130°C
Tube	:	EPDM, black,smooth
Cover	:	CR, black, smooth fabric finish

Marking: **RADIACORD® DIN 73411: 1979 DN x DIAMETER P YEAR/QUARTER**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
10	3	16	40	3116 * / 3117 010000
13	3,5	20	40	3116 * / 3117 013000
15	3,5	22	40	3116 * / 3117 015000
18	3,5	25	40	3116 * / 3117 018000
20	3,5	27	40	3116 * / 3117 020000
22	3,5	29	40	3116 * / 3117 022000
25	3,5	32	40	3116 * / 3117 025000
28	4	36	40	3116 * / 3117 028000
30	4	38	40	3116 * / 3117 030000
32	4	40	40	3116 * / 3117 032000
35	4	43	40	3116 * / 3117 035000
38	5	48	40	3116 * / 3117 038000
40	5	50	40	3116 * / 3117 040000
42	5	52	40	3116 * / 3117 042000
45	5	55	40	3116 * / 3117 045000
48	5	58	40	3116 * / 3117 048000
50	5	60	40	3116 * / 3117 050000
55	5	65	40	3116 * / 3117 055000
60	5	70	40	3116 * / 3117 060000
65	5	75	40	3116 * / 3117 065000
70	5	80	40	3116 * / 3117 070000
75	5	85	40	3116 * / 3117 075000
80	5	90	40	3116 * / 3117 080000
90	6	102	40	3116 * / 3117 090000
100	6	112	20	3116 * / 3117 100000
110	6	122	20	3116 * / 3117 110000
120	7	134	20	3116 * / 3117 120000

3116: straight 1 meter pieces
3117: long lengths
Cutted length possible

Vaporcord®



Marking: VAPORCORD® STEAMHOSE/DAMPFSCHLAUCH PN 7 BAR – MAX. 164°C

Lowpressure steamhose

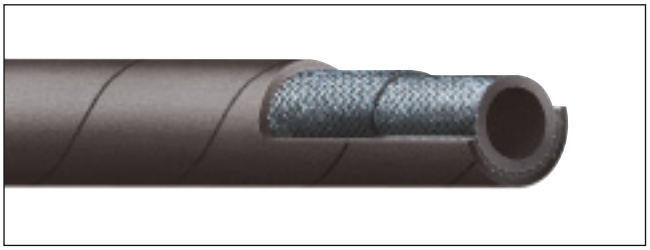
For hot water and saturated steam, reinforced with textile plies.
Rubberquality ensures good resistance against acids and chemicals.
After use please drain the hoses, for long-life-service.

Working pressure	:	maximum 7 bar
Burst pressure	:	70 bar at 20°C
Temperature range	:	-40°C / maximum +164°C
Tube	:	EPDM, black, smooth
Cover	:	EPDM, black, smooth fabric finish, "pin-pricked"

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
10	5,5	21	40	3400 010000
13	5,5	24	40	3400 013000
19	7	33	40	3400 019000
25	7	39	40	3400 025000
32	7,5	47	40	3400 032000
38	9	56	40	3400 038000
50	9	68	40	3400 050000
63	10	83	40	3400 063000
76	11	98	40	3400 075000

Cutted length possible

Metalvapor® EN / ISO



Marking: METALVAPOR® - ITR - EN/ISO 6134:2005 - STEAM – 18 BAR – 210C - DIAMETER - Ω QUARTER / YEAR

Highpressure Steamhose

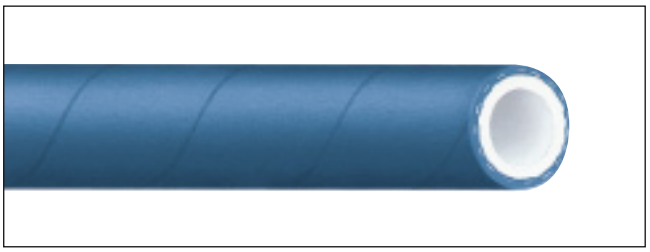
Steel braided reinforced heavy duty steamhose for
hot water and saturated steam-appliance up to 18 bar.
Please drain after use!

Norm	:	EN/ISO 6134 Type 2/A
Working pressure	:	18 bar
Burst pressure	:	180 bar at 20°C
Electrical resistance	:	innertube/innertube < 10^6 Ω innertube/outertube < 10^9 Ω
Temperature range	:	-40°C / max. +210°C
Tube	:	IIR, black, smooth
Cover	:	IIR/EPDM, black, smooth fabric finish
Reinforcements	:	2 steel braids

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	6	25	15*/20*/40	3411 013000
19	6,75	32,5	10*/15/20/40	3411 019000
25	7,25	39,5	20/40	3411 025000
32	8	48	20*/40	3411 032000
38	8	54	20*/40	3411 038000
51	9	69	40	3411 050000

Cutted length possible
* So far as available

Vaporcord® / Alim



Marking: VAPORCORD® ALIM STEAMHOSE / DAMPFSCHLAUCH PN 7 BAR MAX. 164˚C

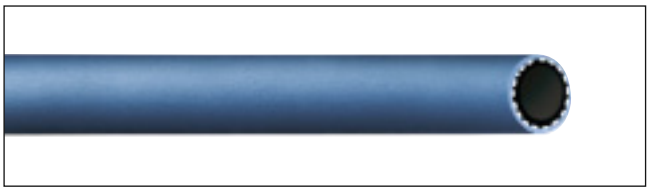
Lowpressure steamhose
for hotwater and steam appliances in food-processing industry, butcheries, dairies a.o. Hosecover is resistant against lactic acid, animal - and vegetable fats, and is in non-staining quality. Please drain after use.

Working pressure	:	7 bar
Burst pressure	:	70 bar
Temperature range	:	maximum +164°C
Tube	:	EPDM, white, smooth, seamless
Cover	:	EPDM, blue, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	5	23	40	3405 013000
19	6	31	40	3405 019000
25	6	37	40	3405 025000
32	7	46	40	3405 032000
38	8	54	40	3405 038000
50	8	66	40	3405 050000

Cutted length possible

Aquafit®



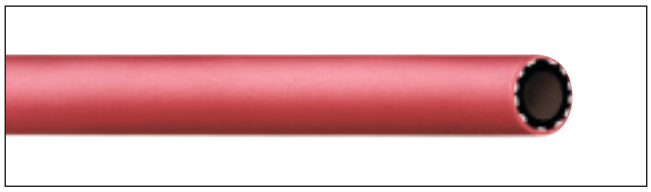
Marking: AQUAFIT®

Alimentary hose for potable water, cold liquids, non-fatty beverages, where flavourpreserving is requested.
Not suitable for fatty products such as milk.
To be cleaned only with warm water (max. 70°C).

Norm	: according to relevant CE regulations
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -10°C / +70°C
Tube	: Natural coloured plastic film, black, thermoplastic
Cover	: Thermoplastic, blue, smooth non-staining quality

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3	16	0,155	40	4102 010016
13	3,5	20	0,240	40	4102 013020
19	4	27	0,380	40	4102 019027

Aquafit® / Extra



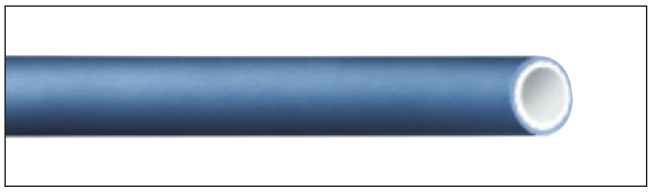
Marking: AQUAFIT® / EXTRA

Multi-purpose foodqualityhose, for airbreathing, hot water, carbonic acid, potable water a.o.
For non-fatty liquids, water and air. To be cleaned by hot water only (no steam)

Norm	: according to relevant CE regulations
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -20°C / +90°C
Tube	: Natural coloured plastic film, black, thermoplastic
Cover	: Thermoplastic, red, smooth non-staining quality

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	3,5	17	0,190	40	4103 010000
13	3,5	20	0,240	40	4103 013000
19	4	27	0,380	40	4103 019000

Alimentari



Marking: RUBBER HOSE DRINKPRESS D.M. 21.03.73
MADE IN ITALY BY ITR-TREG

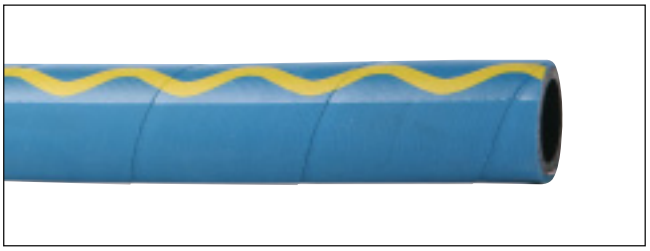
Alimentary hose
for liquid milk, midfats, juices, potable water, beers, wines, animal- and vegetable fats and oils, with maximum alcoholpercentage of 96%. Easy to clean with hot water or steam, till max. 120°C, using usual anti-bacteria purifyers.

Norm	: according to relevant CE regulations
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -15°C / +95°C intermittant till 120°C
Tube	: synthetic rubber, white, smooth, according to FDA regulations
Cover	: synthetic, blue, smooth

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
10	4,5	19	0,310	40	3470 010000
13	5	23	0,420	40	3470 013000
16	5	26	0,490	40	3470 015000
19	6	31	0,710	40	3470 019000
25	7	39	1,050	40	3470 025000

Cutted length possible

Aquapal



Marking: **AQUAPAL TRINKWASSERSCHLAUCH**
PN 20 KTW „A“ UND DVGW - W270 GEPRÜFT

Rubber potable waterhose

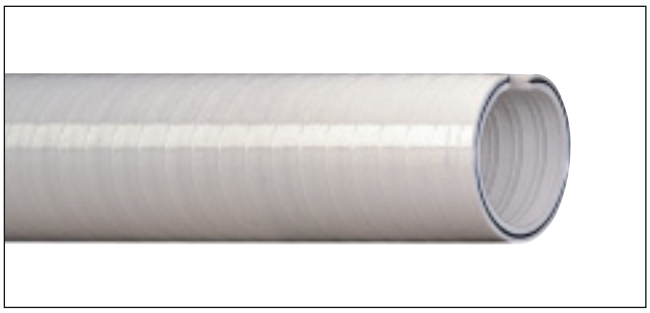
Highly flexible delivery hose for cold and warm potable water, tested according KTW norms, cat.A and DVGW.

Temperature range	:	-20°C / +90°C
Tube	:	The special transparent, plastic inner lining free of plasticisers is homogeneous, smooth and absolutely neutral to taste and odour
Cover	:	NBR, Resistant to abrasion, UV, fats and oils
Reinforcement	:	Synthetic fibres
Remark	:	KTW-couplings for potable water on request available

ø Inner mm	ø Outer mm	Working pressure	kg/mtr	Length mtr	Art.-No.
13	20,2	20 bar	0,25	40	3490 013000
19	27,4	20 bar	0,42	40	3490 019000
25	34	20 bar	0,57	40	3490 025000

Cutted length possible

Armoflex / Food



Marking: **ARMOFLEX / FOOD**

Thermoplastic suction/discharge hose

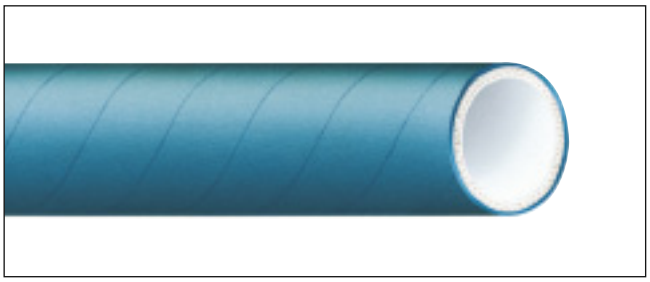
for potable water and foodstuffs, taste- and odorless, also for flexible sanitary-piping in vessels and boats.

Norm	:	according to relevant CE regulations
Vacuum	:	0,8 bar
Temperature range	:	-15°C / +65°C
Structure	:	Thermoplastic, white, smooth, fully incorporated steel wire helix

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
20	4	28	8	0,390	30	4485 020000
25	4	33	8	0,560	30	4485 025000
32	4	40	8	0,700	30	4485 032000
38	4,5	47	7	0,820	30	4485 038000

Cutted length possible

Milkcord®



Marking: MILKCORD® MILKHOSE / MILCHSCHLAUCH – PN 10 BAR F.D.A. ONLY FOODSTUFFS / NUR FUER LEBENSMITTEL

Alimentary hose

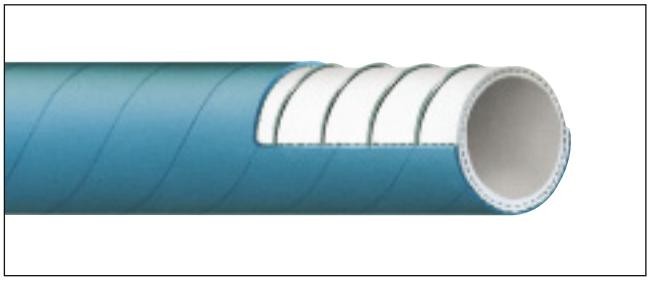
Deliveryhose for milk and fatty products, animal-and vegetable oils. For food-processing industry, breweries a.o. Also for alcoholic contents till 92%. To be cleaned before and after use, to sterilize the tube.

Norm	:	FDA-Quality
Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-25°C / +80°C intermittant +120°C to sterilize
Tube	:	Butyl, white, smooth, seamless, taste- and odorless FDA quality
Cover	:	EPDM / NBR, blue, smooth fabric finish
Reinforcements	:	textile plies

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	6	44	40	3450 032000
38	7	52	40	3450 038000
51	8	67	40	3450 050000
63	10	83	40	3450 063000

Cutted length possible

Milkcord® / SP



Marking: MILKCORD® / SP MILKHOSE / MILCHSCHLAUCH S/D - PN 10 BAR F.D.A. ONLY FOODSTUFFS / NUR FUER LEBENSMITTEL

Alimentary suction/dischargehose

Suction-and discharge hose for milk, fatty products, animal- and vegetable oils. For food-processing industry, breweries a.o. Also for alcoholic contents till 92%.
To be cleaned before and after use, to sterilize the tube.

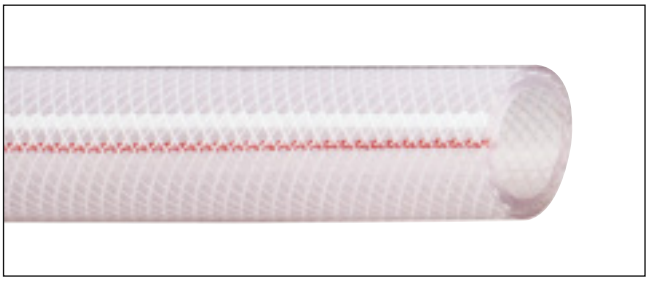
Norm	:	FDA-Quality
Working pressure	:	10 bar
Burst pressure	:	30 bar
Vacuum	:	0,9 bar (Ø 63/75/102 = 0,8 bar)
Temperature range	:	-25°C / +80°C intermittant +120°C to sterilize
Tube	:	Butyl, white, smooth seamless, taste-and odorless, FDA quality
Cover	:	EPDM / NBR, blue, smooth fabric finish
Reinforcements	:	steel wire helix, textile plies

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art. -No.
32	6	44	40	3455 032000
38	7	52	40	3455 038000
51	7	65	40	3455 050000
63	8	79	40	3455 063000
76	8	92	40	3455 075000
102	10	122	20	3455 100000

Cutted length possible

Upon request: with pressed-on couplings

Polyflex



PVC Airpressurehose

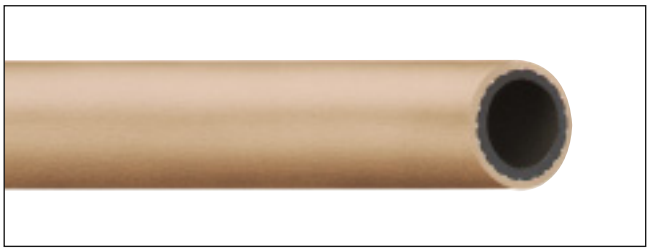
for air and water, restricted chemicalresistant.
Non-toxic PVC quality. Longitudinal red and blue marking yarns.
Extremely good quality

Norm	:	according to relevant CE regulations
Temperature range	:	-20°C / +60°C
Tube	:	PVC, transparent, smooth
Cover	:	PVC, transparent, smooth

Marking: **POLYFLEX NON -TOXIC PB XX BAR**

ø Inner mm	Wall mm	ø Outer mm	PB/bar at 20°C	kg/mtr	Length mtr	Art.-No.
5	3	11	60	0,100	50	4200 005011
6	3	12	60	0,105	50	4200 006012
8	3	14	60	0,135	50	4200 008014
9	3	15	60	0,145	50	4200 009015
10	3	16	60	0,155	50	4200 010016
12	4,5	21	45	0,280	50	4200 012021
13	3	19	45	0,190	50	4200 013019
13	3,5	20	45	0,230	50	4200 013020
15	3	21	45	0,220	50	4200 015021
16	4	24	30	0,275	50	4200 016024
19	4	27	30	0,340	50	4200 019027
25	4,5	34	30	0,480	50	4200 025034
30	4	38	30	0,580	50	4200 030038
32	5	42	30	0,740	50	4200 032042
38	5	48	30	0,870	50	4200 038048
50	6	62	21	1,300	25	4200 050060

Super Air



Thermoplastic airpressurehose

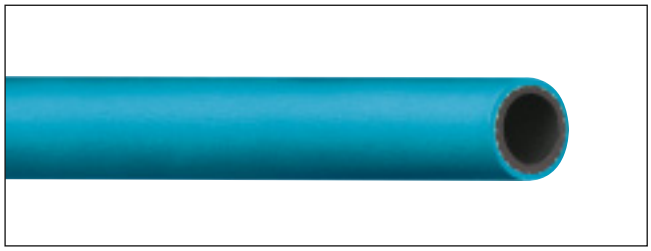
Easy-handling airhose for garages, domestic compressors.

Working pressure	:	20 bar (at 20°C)
Burst pressure	:	60 bar (at 20°C)
Temperature range	:	-20°C / +60°C
Tube	:	PVC, black, smooth
Cover	:	PVC, beige, smooth

Marking: **SUPER AIR PN 20 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	2,5	11	0,095	50	4210 006000
8	2,5	13	0,110	50	4210 008000
10	2,75	15,5	0,145	50	4210 010000
13	3	19	0,195	50	4210 013000
16	3,5	23	0,290	50	4210 016000
19	3,75	26,5	0,400	50	4210 019000
25	4,25	33,5	0,540	50	4210 025000

Ariaform® / TPU



Polyurethane airpressure hose

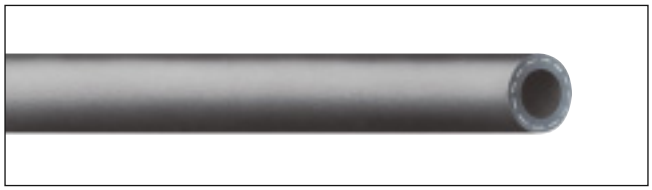
For pneumatic tools. Excellent resistant against oil, fuel, fat acids and lye´s. Polyester reinforced for handling pressure, lightweight and very abrasive resistant.

Working pressure	:	20 bar (at 20°C)
Burst pressure	:	60 bar (at 20°C)
Temperature range	:	-20°C / +60°C
Tube	:	Polyurethane, black smooth
Cover	:	Polyurethane, blue smooth

Marking: **ARIAFORM / TPU - DIAMETER - PN 20 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	2	10	0,070	50	4220 006000
8	2	12	0,085	50	4220 008000
9	2	13	0,100	50	4220 009000
10	2,25	14,5	0,115	50	4220 010000
13	2,5	18	0,165	50	4220 013000

Niplaflex®



Multi-purposehose

for use with: Water, air, oil, petrol, grease, chemicals, pesticides a.o. Ageing- and ozoneresistant, non staining.

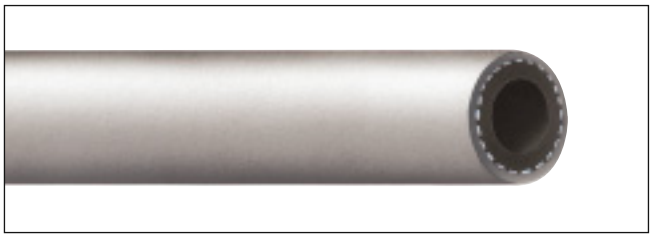
Working pressure	:	25 bar
Burst pressure	:	75 bar
Temperature range	:	-20°C / +70°C
Tube	:	NBR/PVC, black, smooth seamless
Cover	:	NBR/PVC, black, smooth seamless

Marking: **NIPLAFLEX® PN 25 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	3	12	0,110	100	3240 006000
8	3,5	15	0,170	100	3240 008000
9	3,5	16	0,185	100	3240 009000
10	3,5	17	0,200	100	3240 010000
13	4	21	0,280	100	3240 013000
19	4,5	28	0,440	50	3240 019000

Cutted length possible

Solvoform



Compressor-airhose

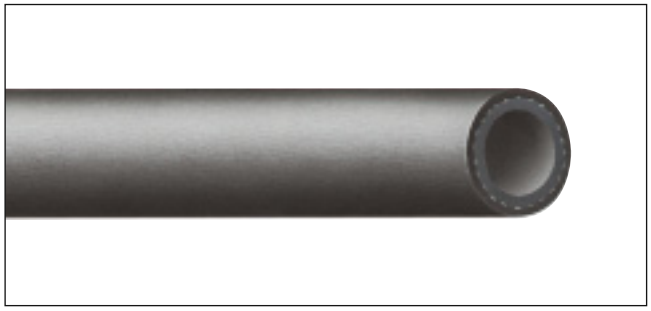
Grease- and oil mist resistant, for use in garages, workshops.

Burst pressure	:	60 bar
Temperature range	:	-30°C / +80°C
Tube	:	NBR, black, smooth electrical resistance < 10^9 Ω
Cover	:	NBR/PVC, grey, smooth

Marking: **SOLVOFORM**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	Length mtr	Art.-No.
6	4	14	20	50	3210 006000
8	3,5	15	20	50	3210 008000
10	3,5	17	20	50	3210 010000
13	4,5	22	20	50	3210 013000
19	4,5	28	20	50	3210 019000

Ariaform® / DIN



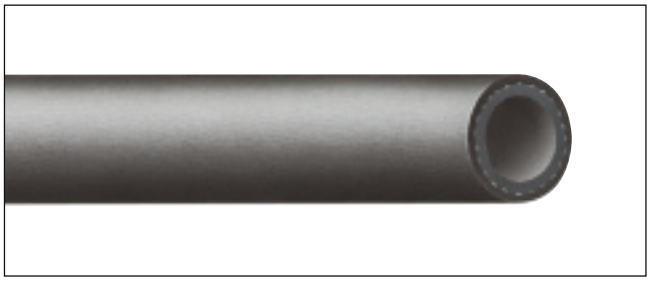
Airpressure hose
Oilmist resistant airhose, also for industrial water.
For medium duty circumstances.

Norm	:	DIN 20018
Working pressure	:	10 bar Air / 16 bar Water
Burst pressure	:	54 bar
Temperature range	:	-30°C / +50°C
Tube	:	black, smooth
Cover	:	black, smooth ozone- and ageingresistant

Marking: **ARIAFORM® PN 10/16 BAR DIN 20018 YEAR – PB 54 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
6	3,5	13	0,140	40/100	3201 006000
8	3,5	15	0,175	40/100	3201 008000
9	3,5	16	0,205	40	3201 009000
10	4,5	19	0,290	40/100	3201 010000
13	5	23	0,400	40/50	3201 013000
15	6	27	0,480	40	3201 015000
19	6	31	0,590	20/40/50	3201 019031
25	7	39	0,900	40	3201 025000

Ariaform®



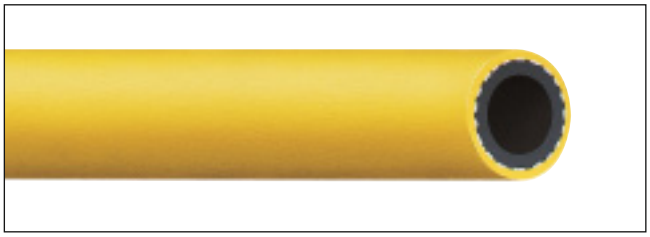
Airpressure hose
Oilmist resistant airhose. Also for industrial water.
For medium duty applications.

Working pressure	:	15 bar
Burst pressure	:	45 bar
Temperature range	:	-30°C / +50°C
Tube	:	black, smooth
Cover	:	black, smooth ozone- and ageingresistant

Marking: **ARIAFORM® PN 15 BAR PB 45 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
16	5	26	0,410	50	3200 016026
19	4,5	28	0,475	25/50	3200 019027
25	5,5	36	0,775	40	3200 025036

Ariaform® / yellow



Airpressure hose
Oilmist resistant airhose. Also for industrial water.
For heavy duty applications.

Working pressure	:	20 bar Air / 24 bar Water
Burst pressure	:	60 bar
Temperature range	:	-20°C / +50°C
Tube	:	black, smooth
Cover	:	yellow, smooth ozone- and ageingresistant

Marking: **ARIAFORM® PN 20 – YEAR – PB 60 BAR**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
13	5	23	0,400	40	3202 013023
19	6	31	0,590	20/40	3202 019031
25	7	39	0,900	40	3202 025039

Ariacord® / DIN

Airpressurehose
oilmist resistant airhose, also for industrial water.

Norm	:	DIN 20018
Working pressure	:	10 bar Air / 16 bar Water
Burst pressure	:	40 bar
Temperature range	:	-30°C / +50°C
Tube	:	SBR, black smooth
Cover	:	SBR, black fabric finish, ozone- and ageingresistant

Marking: **ARIACORD® PN 10/16 DIN 20018 - YEAR - PB 40 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	8	48	40	3220 032000
35	8	51	40	3220 035000
38*	6	50	40	3220 038000
42	9	60	40	3220 042000
51*	7	65	40	3220 050000
53	10	73	40	3220 053000
76	10	96	40	3220 075000

Cutted length possible

***Dimensions not according DIN**
Marking: **ARIACORD® PN 10/16 BAR - PB 40 BAR**

Ariacord® / yellow

Airpressure hose
Oilmist resistant airhose, also for industrial water.
For heavy duty airhandling in construction, mines a.o.

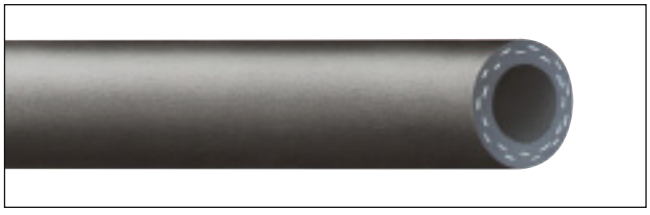
Working pressure	:	20 bar
Burst pressure	:	60 bar
Temperature range	:	-20°C / +70°C
Tube	:	SBR, black smooth
Cover	:	SBR/EPDM,yellow, fabric finish ozone- and ageingresistant

Marking: **ARIACORD® AIR/WATER LUFT/WASSER PN 20 PB 60 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	7	46	40	3225 032000
38	7	52	40	3225 038000
51	7,5	66	20/40	3225 050000
63	9,5	82	40	3225 063000
76	9,5	95	40	3225 075000

Cutted length possible

Airbrake



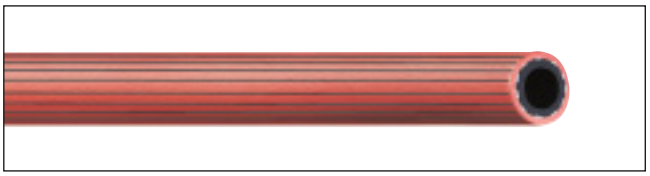
Rubber airbrakehose according DIN 74310
For use in trucks, lorries a.o.
Wear, weather, ageing resistant.

Norm	:	DIN 74310
Working pressure	:	10 bar
Burstp ressure	:	25 bar
Temperature range	:	-40°C / +70°C
Tube	:	EPDM, black smooth
Cover	:	EPDM, black smooth

Marking: **PRODUCERSMARK NW DIN 74310 YEAR/QUARTER**

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
11	3,5	18	0,220	40	3215 011018
13	6	25	0,490	40	3215 013025

Saldaform® / red



Marking: **EN 559 - 2MPa (20 BAR) - mm - SALDAFORM®- year**

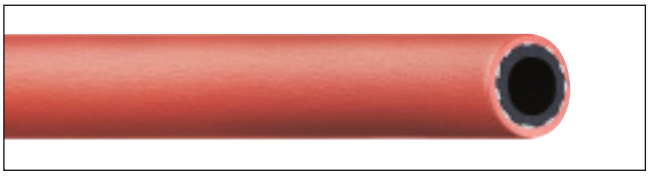
Acetylene weldinghose according EN 559

for gas-welding, cutting and allied processes.

Norm : EN 559
Working pressure : 20 bar
Burst pressure : 60 bar
Tube : Synthetic rubber, black, smooth
Cover : Synthetic rubber, red corrugated

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	50	3255 006000
8	3,5	15	50	3255 008000
9	3,5	16	50	3255 009000

Saldaform® / red

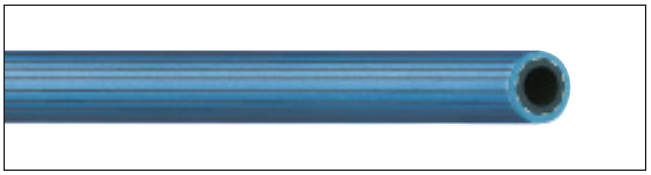


Acetylene weldinghose

Working pressure : 18 bar
Burstp ressure : 54 bar
Tube : Synthetic rubber, black, smooth
Cover : Synthetic rubber, red smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	4,5	22	50	3256 013000
15	5	25	50	3256 015000

Saldaform® / blue



Marking: **EN 559 - 2MPa (20 BAR) - mm - SALDAFORM® - year**

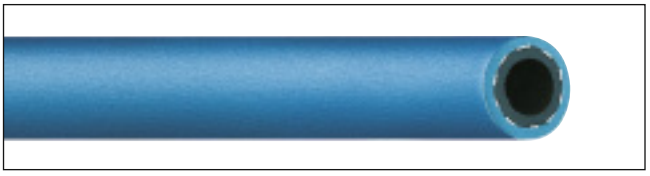
Oxygen weldinghose according EN 559

for gas-welding, cutting and allied processes.

Norm : EN 559
Working pressure : 20 bar
Burst pressure : 60 bar
Tube : Synthetic rubber, black, smooth,
Cover : Synthetic rubber, blue, corrugated

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	50	3250 006000
8	3,5	15	50	3250 008000
9	3,5	16	50	3250 009000

Saldaform® / blue



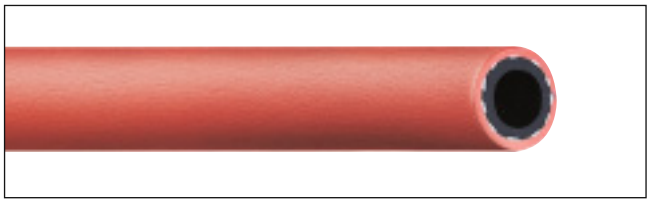
Oxygen weldinghose

for gas-welding, cutting and allied processes.

Working pressure : 18 bar
Burst pressure : 54 bar
Tube : Synthetic rubber, black, smooth
Cover : Synthetic rubber, blue , smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	4,5	22	50	3251 013000
15	5,0	25	50	3251 015000

Saldaform® / red



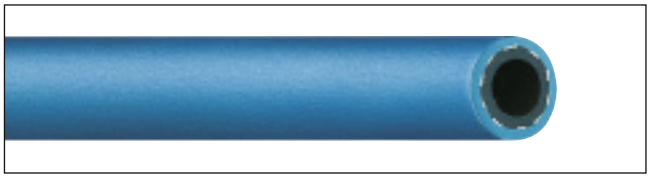
Marking: **EN 559 - 2 MPa (20 BAR) - mm - SALDAFORM® - year**

Acetylene hose according EN 559
for gas-welding, cutting and allied processes

Norm	:	EN 559
Working pressure	:	20 bar
Burst pressure	:	60 bar
Tube	:	Synthetic rubber, black, smooth
Cover	:	Synthetic rubber, red, smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	40	3256 006000
9	3,5	16	40	3256 009000

Saldaform® / blue



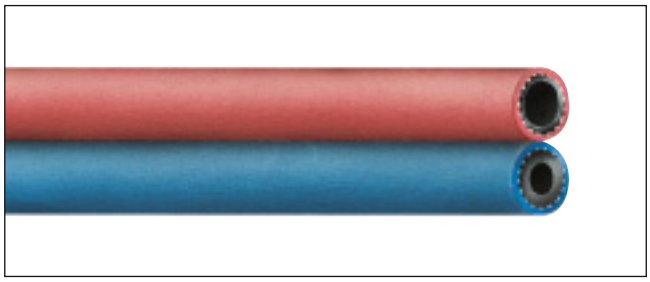
Marking: **EN 559 - 2 MPa (20 BAR) -mm - SALDAFORM® - year**

Oxygen weldinghose according EN 559
for gas-welding, cutting and allied processes.

Norm	:	EN 559
Working pressure	:	20 bar
Burst pressure	:	60 bar
Tube	:	Synthetic rubber, black, smooth
Cover	:	Synthetic rubber, blue, smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	40	3251 006013
6	5,0	16	40	3251 006000

Twin Hose



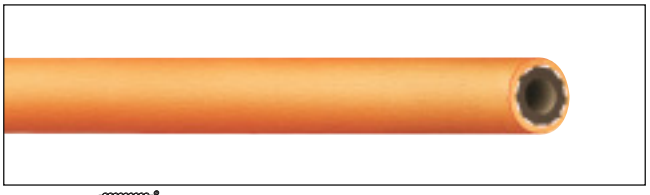
Marking: **EN 559 - 2 MPa (20 BAR) - mm - SALDAFORM® - year**

Dual-weldinghoses according EN 559

Norm	:	EN 559
Working pressure	:	20 bar
Burst pressure	:	60 bar
Tube	:	Synthetic rubber, black, smooth
Cover	:	Synthetic rubber
	Oxygen	: blue, smooth
	Acetylene	: red, smooth

ø Inner mm	Wall mm	Hose colour	Length mtr	Art.-No.
5	2,75	blue	50	3260 005005
5	2,75	red		
6	3,5	blue	40	3261 006006
6	3,5	red		
6	3,5	blue	50	3260 006006
6	3,5	red		
8	3,5	blue	50	3260 008008
8	3,5	red		
6	5,0	blue	40	3261 006009
9	3,5	red		
6	5,0	blue	50	3260 006009
9	3,5	red		
9	3,5	blue	50	3260 009009
9	3,5	red		

Robaform®



Marking: -EN 559 - 2 MPa (20 BAR) - 8 - ROBAFORM® - year

Rubber Propanegas hose according EN 559

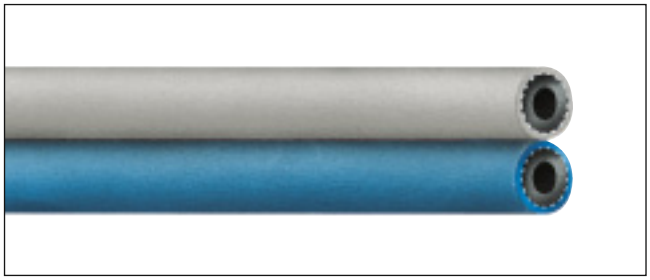
for propane butane and domestic gases.
Ageing-ozone- and weather resistant.

Norm : EN 559
Working pressure : 20 bar
Burst pressure : 60 bar
Temperature range : -20°C / +70°C
Tube : NBR, black, smooth
Cover : CR/Neoprene, orange, smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
8	3,5	15	50	3266 008050

Twin Hose / PVC

Remote control hose



Marking: PN 20 BAR

Burst pressure : >63 bar
Inner tube : PVC, black, smooth
Cover : PVC, blue/grey, smooth

ø Inner mm	Wall mm	ø Outer mm	Colour	Length mtr	Art.-No.
6	2,5	11	blue	100	8325 006006
6	2,5	11	grey		

Cavocord

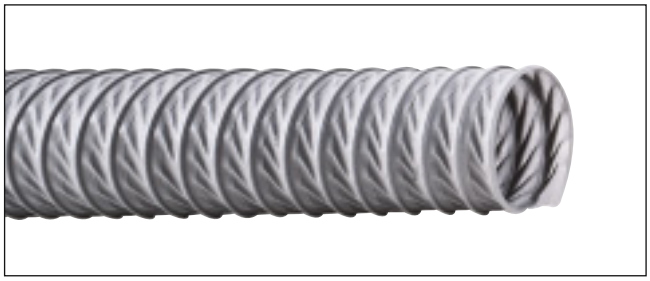
Cableprotectinghose

cable covering and protectinghose.
Used to protect hoses, lines,cables,
specially for portable welding equipment.

Temperature range : -30°C / +80°C
Tube : SBR, textile impregnated, white
Cover : SBR, black, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
20	1,5	23	40	3290 020000
22	1,5	25	40	3290 022000
25	1,5	28	40	3290 025000
28	1,5	31	40	3290 028000
30	1,5	33	40	3290 030000
32	1,5	35	40	3290 032000
35	1,5	38	40	3290 035000
40	2	44	40	3290 040000
45	2	49	40	3290 045000
51	2	55	40	3290 050000

Ventilazione® / LDA

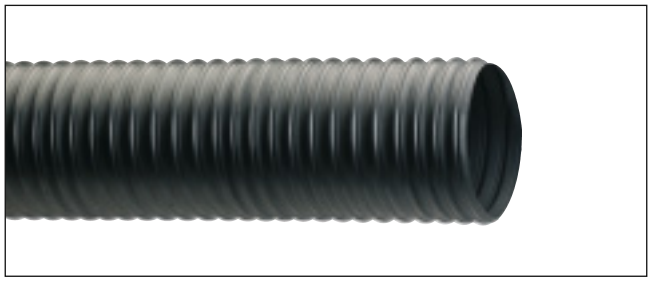


Extractionhose for welding-fumes
for gasses, smoke, welding-fumes.
Hose is fully compressible.

Airflow speed	:	maximum 30 meter/sec.
Temperature range	:	-10°C / +80°C
Structure	:	plastified Polyestercloth, grey embedded steel wire helix

ø Inner mm	kg/mtr	Length mtr	Art.-No.
76	0,110	6	4535 076600
102	0,165	6	4535 102600
127	0,200	6	4535 127600
152	0,280	6	4535 150600
165	0,290	6	4535 160600
203	0,450	6	4535 200600

Ventilazione® / Calor



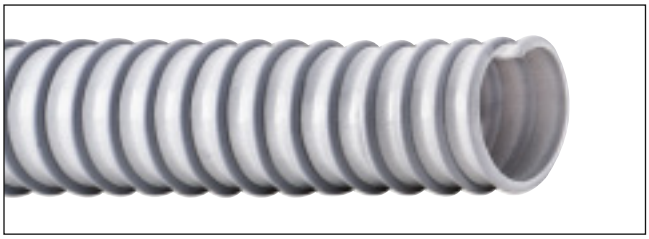
Ventilation-and ductinghose
for hot air, smoke, fumes, chemical gasses, with high temperature.
Not suitable for solid materials.

Temperature range	:	-40°C / +120°C (intermittent till + 150°C)
Structure	:	Santoprene, black, with embedded steel spiral
Bending radius	:	1 x Inner diameter

ø Inner mm	kg/mtr	Length mtr	Art.-No.
50	0,330	20	4512 050000
60	0,430	20	4512 060000
70	0,520	20	4512 070000
75	0,530	20	4512 075000
80	0,540	20	4512 080000
90	0,580	20	4512 090000
100	0,780	15	4512 100000
110	0,860	15	4512 110000
127	0,950	15	4512 125000
140	1,000	15	4512 140000
152	1,050	15	4512 150000
160	1,150	15	4512 160000
180	1,230	15	4512 180000
203	1,300	15	4512 200000

Cutted length possible

Airflex®



PVC Ductinghose

For air, dust, fumes, gasses, smoke, chemical gasses a.o. Also for cable protection, flexible drain. Not suitable for hot fumes and gasses, or sparkles. Flexible and kink-proof.

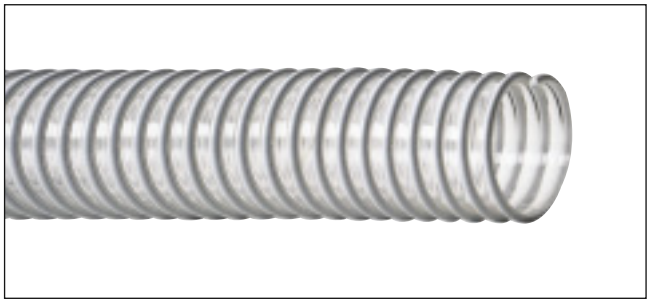
Temperature range	:	-15°C / +60°C
Structure	:	PVC, grey, with embedded spirale of rigid PVC inside smooth, outside corrugated
Bending radius	:	1 times inside diameter

Marking: **- AIRFLEX® - DIAMETER**

ø Inner mm	Vacuum bar	kg/mtr	Length mtr	Art.-No.
20	0,6	0,120	30	4500 020000
25	0,55	0,160	50	4500 025000
32	0,45	0,240	50	4500 032000
38	0,45	0,310	50	4500 038000
40	0,45	0,330	50	4500 040000
45	0,4	0,410	50	4500 045000
50	0,4	0,500	50	4500 050000
60	0,4	0,600	50	4500 060000
63	0,4	0,625	50	4500 063000
70	0,4	0,700	50	4500 070000
76	0,4	0,780	50	4500 075000
80	0,4	0,900	50	4500 080000
90	0,4	1,050	50	4500 090000
102	0,4	1,250	50	4500 100000
110	0,35	1,360	30	4500 110000
120	0,35	1,500	30	4500 120000
127	0,35	1,600	20	4500 125000
140	0,35	1,800	30	4500 140000
152	0,3	2,140	20	4500 150000
160	0,25	2,280	20	4500 160000
180	0,25	2,500	20	4500 180000
203	0,2	3,000	20	4500 200000
254	0,2	3,600	10	4500 250000
305	0,1	4,500	10	4500 300000

Cutted length possible

Airflex® / PU



Polyurethane ducting hose

For air, dust, fumes, gasses, smoke, chemical gasses, powders and pulverized products, glass- or rock wool. Flexible and kink-proof, abrasion resistant. When bended the hose stays full bore as the PU material is forced to the outside, thus creating a full flow without obstruction.

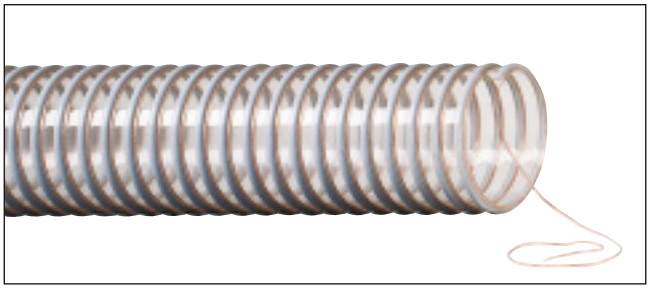
Temperature range : -25°C / +85°C
Construction : transparent Polyurethane smooth inside crushproof PVC spiral, corrugated cover
Bending radius : 1 times inside diameter

Marking: ø - **AIRFLEX / PU - DIAMETER**

ø Inner mm	Vacuum bar	kg/mtr	Length mtr	Art.-No.
25	0,4	0,150	20	4600 025000
32	0,3	0,200	20	4600 032000
38	0,3	0,230	20	4600 038000
40	0,3	0,250	20	4600 040000
45	0,3	0,280	20	4600 045000
51	0,3	0,315	20	4600 050000
60	0,3	0,390	20	4600 060000
63	0,3	0,430	20	4600 063000
70	0,3	0,500	20	4600 070000
76	0,3	0,550	20	4600 075000
102	0,3	0,835	20	4600 100000
127	0,2	1,015	20	4600 125000
152	0,2	1,380	20	4600 150000
203	0,2	2,150	10	4600 200000
305	0,2	3,600	10	4600 300000

Cutted length possible

Airflex® / PU / AS



Polyurethane ducting hose with static-wire

For air, dust, fumes, gasses, smoke, chemical gasses, powders and pulverized products, glass- or rock wool. Flexible and kink-proof, abrasion resistant. When bended the hose stays full bore as the PU material is forced to the outside, thus creating a full flow without obstruction.

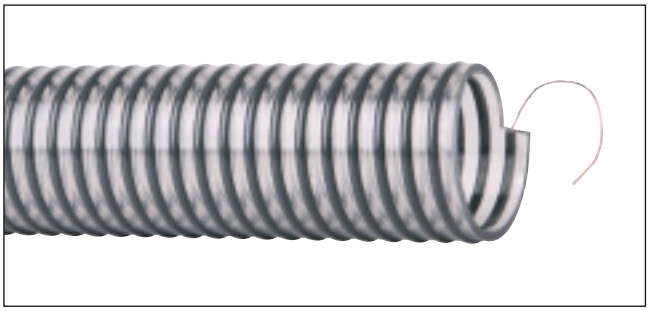
Bending radius : 1 times inside diameter
Temperature range : -25°C / +85°C
Construction : transparent Polyurethane smooth inside
: crushproof PVC spiral, corrugated cover and AS-wire

Marking: ø - **AIRFLEX® / PU / AS - DIAMETER**

ø Inner mm	kg/mtr	Length mtr	Art.-No.
32	0,200	20	4601 032000
38	0,230	20	4601 038000
40	0,250	20	4601 040000
45	0,280	20	4601 045000
51	0,315	20	4601 050000
76	0,550	20	4601 075000
102	0,835	20	4601 100000

Cutted length possible

Sciroppo / AS



Suction/dischargehose
for liquids, pulverized or grainshaped products, granulates, pellets etc.

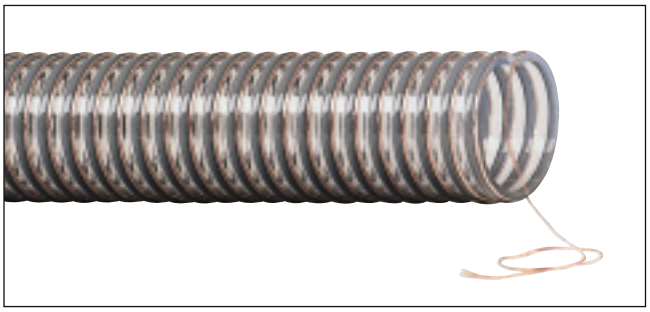
Vacuum : 0,7 bar
Temperature range : -15°C / +60°C
Construction : PVC semi-transparent, smooth, embedded PVC spiral, grey, and static-wire

Marking: **SCIROPPO / AS**

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
32	7	0,540	50	4411 032000
40	6	0,680	50	4411 040000
51	5	0,880	50	4411 050000

Cutted length possible

Sciroppo / PU / AS



Food quality, abrasion-resistant suction/dischargehose, light duty
for liquids, pulverized or grainshaped foodstuffs and granulates.

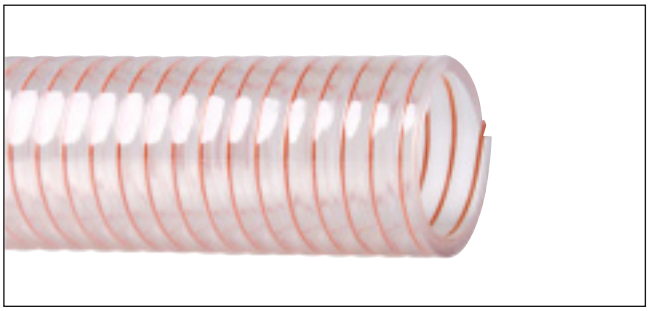
Norm : according to CE regulations
Vacuum : 0,7 bar
Temperature range : -15°C / +60°C
Innertube : polyurethane, transparent, smooth, according to FDA regulations
Cover : PVC, transparent, rigid PVC spiral grey, and static-wire

Marking: **SCIROPPO / PU /AS - DIAMETER**

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
38	7	0,520	30	4602 038000
50	6,5	0,770	30	4602 050000
76	4	1,320	30	4602 075000
102	3,5	2,250	30	4602 100000

Cutted length possible

Armoflex® / PU



Suction/discharge hose
EXTREME HIGH abrasive resistance
For powder- and pulverized products, grains, gravels, granulates, sand and corns. Excellent when extreme high abrasion-resistance is required.

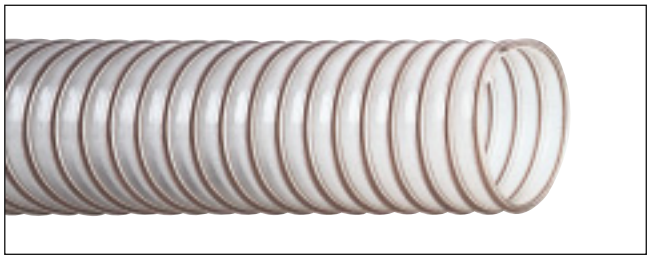
Vacuum : 0,9 bar
Temperature range : -20°C / +80°C
Tube : Polyurethane, transparent, seamless smooth, incorporated steel wire helix
Cover : PVC, transparent, smooth
Bending radius : 4 x Inner diameter

Marking: **ARMOFLEX® / PU - DIAMETER**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
38	4,5	47	6	0,800	30	4482 038000
40	5	50	6	0,950	30	4482 040000
51	5,5	62	6	1,300	30	4482 050000

Cutted length possible

Purflex / L



Polyurethane ducting/extracting hose

For vacuum cleaners handling abrasive solids, granulates, glass fibres, paper etc.. alsofor oil-mist extraction. Highly flexible and kink-proof. Oil- and petrol resistant.

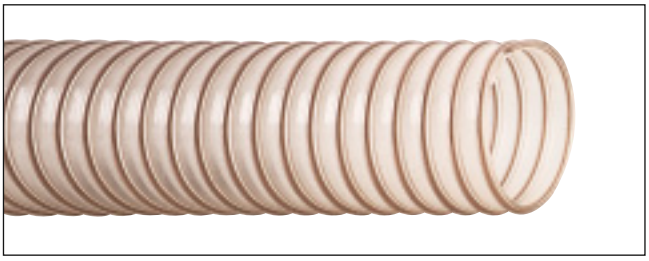
Temperature range : -40°C /+90°C
intermittant till +125°C
Structure : Polyurethane, transparent, with embedded steel wire helix, inside smooth, outside corrugated
Bending radius : 1 x Inner diameter

Marking: **PURFLEX / L - DIAMETER**

ø Inner mm	Vacuum bar	kg/mtr	Length mtr	Art.-No.
25	0,3	0,180	15	4610 025000
32	0,3	0,240	15	4610 032000
38	0,3	0,250	15	4610 038000
40	0,3	0,270	20	4610 040000
50	0,3	0,330	20	4610 050000
60	0,3	0,440	20	4610 060000
70	0,25	0,490	20	4610 070000
75	0,25	0,530	20	4610 075000
80	0,25	0,610	20	4610 080000
90	0,25	0,680	20	4610 090000
102	0,25	0,720	15	4610 100000
120	0,25	1,000	15	4610 120000
127	0,25	1,100	15	4610 125000
152	0,12	1,250	15	4610 150000
160	0,10	1,300	15	4610 160000
203	0,05	1,500	15	4610 200000
254	0,03	2,300	10	4610 250000
305	0,03	3,200	10	4610 300000

Cutted length possible

Purflex / H



Medium-duty Polyurethane suction/dischargehose

for industrial vacuumcleaners, transport of granulates, gravel, sand, grains, powders, wood-chips, coal-dust a.o. Very abrasion-resistant, extremely flexible. Also oil-petrol and solvent resistant, gastight.

Temperature range : -40°C / +90°C, intermittant till +125°C
Structure : Polyurethane, transparent with embedded steel wire helix, inside smooth, cover corrugated
Wallthickness : 1,4 mm inbetween the spiral
Bending radius : 1,5 x Inner diameter

ø Inner mm	PN/bar at 20°C	Vacuum bar	kg/mtr	Length mtr	Art.-No.
25	4,1	0,94	0,310	15	4630 025000
32	3,2	0,94	0,450	15	4630 032000
38	3,1	0,84	0,510	15	4630 038000
50	2,9	0,80	0,710	15	4630 050000
60	2,5	0,75	0,820	15	4630 060000
65	2,4	0,68	0,890	15	4630 065000
75	2,0	0,60	1,030	15	4630 075000
80	2,0	0,60	1,120	15	4630 080000
90	1,65	0,53	1,250	15	4630 090000
100	1,5	0,45	1,300	15	4630 100000
110	1,3	0,45	1,400	15	4630 110000
120	1,3	0,31	1,500	15	4630 120000
125	1,3	0,31	1,630	15	4630 125000
150	1,0	0,25	1,920	10	4630 150000
200	0,7	0,19	2,890	10	4630 200000

Cutted length possible

Purflex / HX

Heavy-duty Polyurethane suction/dischargehose

for transport of sand, rock, glas, grains, gravel, fly-ash, powders, wood-chips, granulates and other abrasives.
Flexible and kink-proof, also oil-petrol and solvent resistant.

Temperature range : -40°C / +90°C
intermittant till + 125°C
Structure : Polyurethane, transparent with embedded steel wire helix, inside smooth, outside corrugated
Wallthickness : 1,9 mm inbetween the spiral
Bending radius : 2,5 x Inner diameter

ø Inner mm	PN/bar at 20°C	Vacuum bar	kg/mtr	Length mtr	Art.-No.
50	4,0	0,96	0,950	10/15	4645 050000
75	2,9	0,91	1,680	10/15	4645 075000
100	2,1	0,89	2,320	10/15	4645 100000
125	1,6	0,89	3,010	10/15	4645 125000
150	1,5	0,84	4,150	10/15	4645 150000

Cutted length possible

Antiabrasivo® / AS

Marking: **ANTIABRASIVO®-AS - DIAMETER**

Abrasive-resistant Polyurethane-lined suction/dischargehose

for transport of fly ash, crushed rock, silica sand, pea gravel, cement powder, dry fertilizers, slurry, powders, iron ore, grain, woodchips, plastics, coal dust a.o. Hose is used under heavy duty circumstances, where kinkproof and relativily light-weight applications are requested.

Vacuum : 0,9 bar
Temperature range : -15°C / +60°C
Tube : Polyurethane, red, seamless smooth
Cover : PVC, green, with copper-wire and rigid PVC spiral, cover slightly corrugated.

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
76	7	90	6,5	2,000	50	4660 075000
102	8	118	4	3,100	30	4660 100000
127	9	145	3,5	4,200	30	4660 125000
152	10,5	173	3	6,400	20	4660 150000

Cutted length possible

Kehrflex

Road sweeper streetcleaning vacuum hose

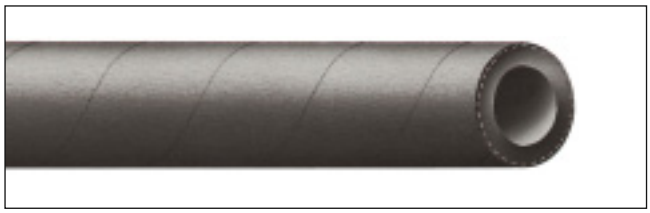
with both sides spiralfree cuffs, suitable for a.o.
FAUN, FRIES, KUKA, SCHÖRLING, STREICHER, JOHNSON etc.

Working pressure : 1 bar
Burst pressure : 3 bar
Vacuum : 0,3 bar
Tube : highly abrasive, corrugated NR-tube, green
Cover : weather- and ageing-resistant, corrugated NR/SBR-cover

ø Inner mm	Length mtr	Art.-No.
203	variable	3612 200***
254	variable	3612 250***

Other inner diameters available on demand

Turbocord®



Marking: **TURBOCORD® Size PN 12 BAR ABRIEB 60/70 mm³**

Sandblasthose
with highly abrasive resistant innertube, extruded quality

Working pressure	:	12 bar
Burst pressure	:	36 bar
Temperature range	:	-30°C / +80°C
Electrical resistance	:	< 10^6 Ω
Abrasion resistance	:	60 - 70 mm³ acc. DIN 53516
Tube	:	NR, black, smooth extruded quality
Cover	:	NR/SBR, black, smooth fabric finish

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
13	7	27	40	3500 013027
19	7	33	40	3500 019033
25	7	39	40	3500 025039
32	8	48	40	3500 032048
38	8,5	55	40	3500 038054
42	9	60	40	3500 042060
50	10	70	40	3500 050070

Cutted length possible

Turboflex®

Marking: **TURBOFLEX® S/D PN 4 BAR**

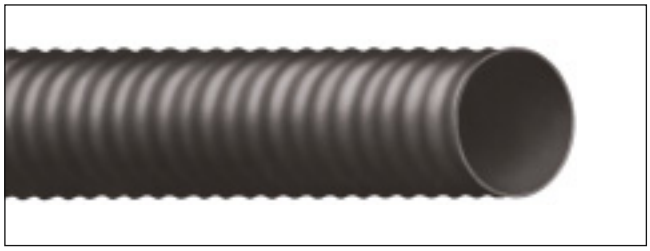
Suctionhose for shotblast-materials
also for suction/discharge of other abrasives, pebbles, mud, sand etc.
Very abrasive resistant tube of PARA.

Working pressure	:	4 bar
Burst pressure	:	12 bar
Vacuum	:	0,8 bar
Temperature range	:	-30°C / +80°C
Tube	:	PARA rubber, tangum, smooth
Cover	:	SBR/NR black, smooth fabric finish
Reinforcements	:	textile plies, steel wire helix static-wire

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
51	6,5	64	40	3505 050000
63	6,5	76	40	3505 063000
76	7,5	91	40	3505 075000
102	8	118	20	3505 100000
125	8	141	20	3505 125000
152	10,5	173	20	3505 150000

Cutted length possible

Turboflex® / U.L.



Suctionhose for shot-blast, pebbles, mud, sand etc.
Very abrasive resistant tube of PARA. Light and flexible construction.

Working pressure	:	1 bar
Burst pressure	:	2,5 bar
Vacuum	:	0,9 bar
Temperature range	:	-25°C / +70°C
Abrasion resistance	:	75 mm³ acc. DIN 53516
Tube	:	NR/SBR, smooth
Cover	:	SBR/NR, black corrugated, fabric finish
Reinforcements	:	textile plies, static-wire steel spiral
Bending radius	:	2,5 x inside diameter

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
51	4,5	60	0,950	20	3506 050000
63	4,5	72	1,250	20	3506 063000
76	4,5	85	1,500	20	3506 075000
102	5	112	2,250	20	3506 100000
127	5	137	2,600	20	3506 125000
152	6	164	3,750	20	3506 150000

Cutted length possible

Betoncord® / 10

Concrete hose
for wet cement, concrete, plaster, other abrasives.

Working pressure	:	10 bar
Burst pressure	:	30 bar
Electrical resistance	:	< 10^6 Ω
Wear resistance	:	100 mm^3 according DIN 53516
Temperature range	:	-30°C / +80°C
Tube	:	NR/SBR, black,smooth
Insertions	:	textile braids
Cover	:	NR/SBR, black, fabric finish

Marking: **BETONCORD® CONCRETE / BETON PN 10 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
60	10	80	20 / 40	3521 060000
63	13,5	90	40	3521 063090

Cutted length possible

Betoncord® / 40

Concrete hose
for wet concrete, cement, plaster and other abrasives.

Working pressure	:	40 bar
Burst pressure	:	120 bar
Electrical resistance	:	< 10^6 Ω
Wear resistance	:	100 mm^3 according DIN 53516
Temperature range	:	-30°C / +80°C
Tube	:	NR, black smooth,
Insertions		textile braids
Cover	:	NR/SBR, black, smooth fabric finish

Marking: **BETONCORD® CONCRETE / BETON PN 40 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	7	39	40	3520 025000
35	7	49	40	3520 035000
38	8	54	40	3520 038000
50	9	68	40	3520 050000
63	11	85	40	3520 063000

Cutted length possible

Silocord®

Marking: SILOCORD® ZEMENT/DRY-CARGO PN ... BAR

Dry-cargo dischargehose
for cement, dry plaster, cattle-food, and other abrasives.

Working pressure	:	8 bar (90 and 102 mm 6 bar)
Temperature range	:	-30°C / +80°C
Electrical resistance	:	< 10^6 Ω
Tube resistance	:	90 - 110 mm3 acc.DIN 53516
Tube	:	NR/SBR, black, smooth
Cover	:	SBR, black, smooth fabric finish
Reinforcements	:	textile plies, static-wire

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	9	94	20/40	3530 075000
76	11	98	40	3530 076098
80	10	100	40	3530 080000
90	10	110	20/40	3530 090000
102	10	122	20/40	3530 100000

Cutted length possible

Silocord® / Special

Marking: SILOCORD®/SPEZIAL FÜR SPLITT-SODA-QUARZSAND

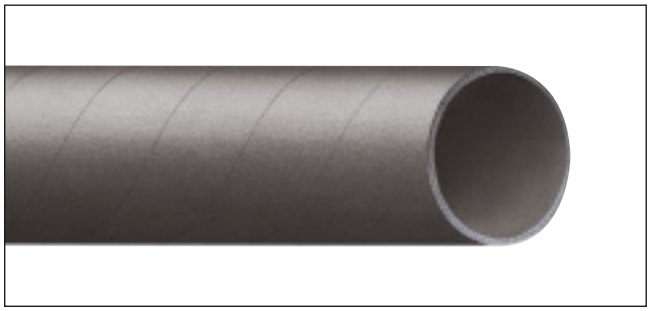
Dry cargo dischargehose heavy duty quality
For highly abrasive materials, silica sand, soda, a.o.
Tube extremely abrasive resistant.

Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-30°C / +80°C
Electrical resistance	:	< 10^6 Ω
Abrasion resistance	:	Tube 70 mm^3 acc. DIN 53516
		Cover 90 - 110 mm^3 acc. DIN 53516
Tube	:	NR, black, smooth
Cover	:	SBR,black, smooth fabric finish
Reinforcements	:	textile plies, 2 crossed static-wires

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	11	98	40	3542 076098
102	12	126	20	3542 102126

Cutted length possible

Siloflat



Marking:

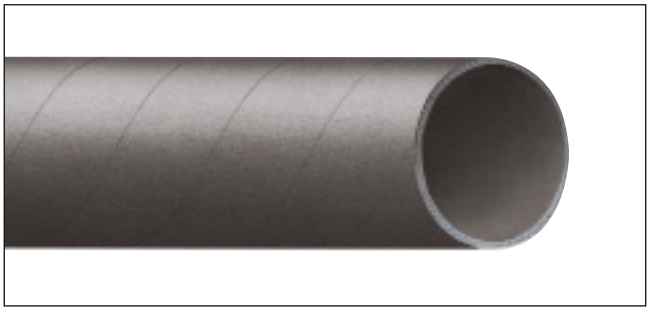
Dry-cargo dischargehose, layflat
for cement, dry plaster, cattlefood and other abrasives.

Working pressure	:	4 bar
Temperature range	:	-30°C / +80°C
Tube resistance	:	90 - 110 mm^3 acc. DIN 53516
Tube	:	NR, black, smooth
Cover	:	NR/SBR,black, smooth fabric finish
Reinforcements	:	textile plies, 2 crossed static-wires

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No
76	4,5	85	40	3540 075000
102	6	114	40	3540 100000

Cutted length possible

Siloflat® / discharge



Dry-cargo exhausthose
for pressureless discharge of grainsilos, dry cement a.o.

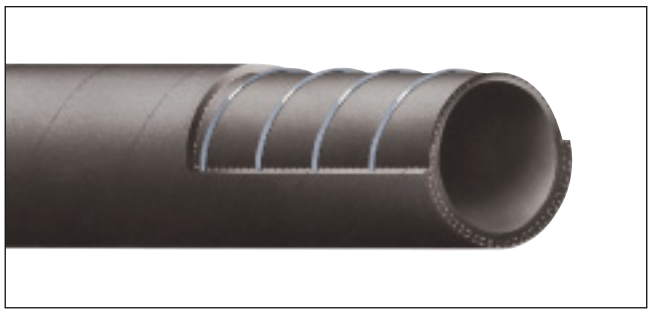
Temperature range	:	-30°C / +80°C
Tube resistance	:	70 - 80 mm³ acc.DIN 53516
Tube	:	NR, black, smooth, conductive
Cover	:	SBR, black smooth fabric finish
Reinforcements	:	textile plies

Marking:

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
152	7	166	20	3546 152166
203	7	217	20	3546 203217
254	8	270	20	3546 254270
305	9	323	10	3546 305323

Cutted length possible / no cutting costs

Silocord® / SP



Dry-cargo suction/dischargehose
for cement, dry plaster, cattlefood, other abrasives.

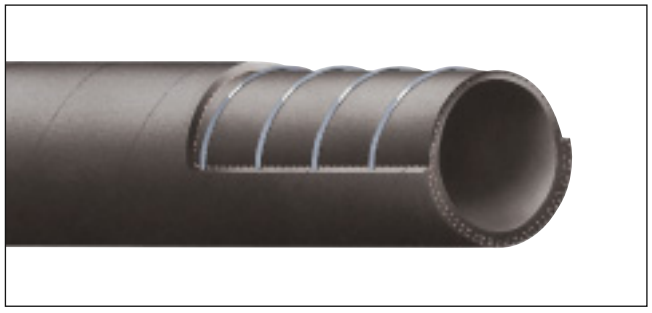
Working pressure	:	6 bar
Vacuum	:	0,8 bar
Temperature range	:	-30°C / +80°C
Electrical resistance	:	< 10^6 Ω
Tube resistance	:	90 - 110 mm3 acc. DIN 53516
Tube	:	NR/SBR, black,smooth
Cover	:	SBR, black, smooth fabric finish
Reinforcements	:	textile plies, static-wire

Marking: **SILOCORD® / SP ZEMENT / DRY-CARGO PN 6 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	10	96	40	3535 076096
102	10	122	20	3535 102122

Cutted length possible

Silocord® / Special / SP



Dry cargo suction/dischargehose, heavy duty
for highly abrasive materials, soda, silica sand a.o.
Tube extremely abrasive resistant.

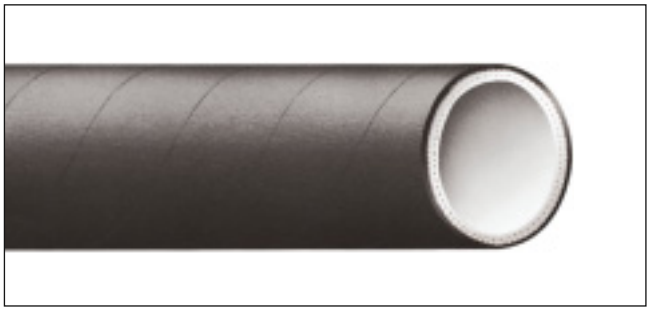
Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-30°C / +80°C
Electrical resistance	:	< 10^6 Ω
Abrasion resistance	:	Tube 70 mm³ acc. DIN 53516 Cover 90 - 100 mm³ acc. DIN 53516
Tube	:	NR, black, smooth,
Cover	:	SBR, black, smooth fabric finish
Reinforcements	:	textile plies, steel wire helix, 2 crossed static-wires

Marking: **SILOCORD®/SPEZIAL/SP**
FÜR SPLITT-SODA-QUARZSAND

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
76	11	98	40	3544 076098
102	12	126	20	3544 102126

Cutted length possible

Silocord® / Alim



Food quality material-handling hose

For transport of sugars, powders, granulates, grains and corn, cattlefood, dry-cargo, where the white tube assures a non-staining application.

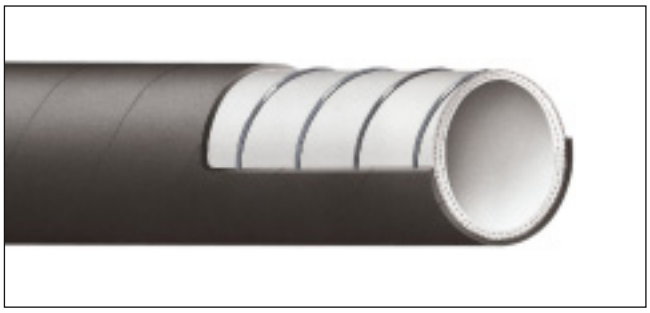
Working pressure	:	8 bar
Burst pressure	:	24 bar
Temperature range	:	-30°C / +80°C
Tube	:	NR/SBR, white, smooth, seamless, according to FDA regulations
Cover	:	SBR, black, smooth fabric finish
Reinforcements	:	textile plies, 2 crossed static-wires

Marking: **SILOCORD®/ALIM GRANULATE PN 8 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
75	9	93	40	3560 075000
102	10	122	40	3560 100000

Cutted length possible

Silocord® / Alim / SP



Food quality, material-handling suction/dischargehose

For transport of sugars, powders, granulates, grains and corn, cattle-food, dry cargo, where the white tube assures a non-staining application.

Working pressure	:	8 bar
Burst pressure	:	24 bar
Vacuum	:	0,8 bar
Temperature range	:	-30°C / +80°C
Tube	:	NR/SBR, white, smooth, seamless, according to FDA regulations
Cover	:	SBR, black smooth fabric finish
Reinforcements	:	textile plies, steel wires helix 2 crossed static-wires

Marking: **SILOCORD®/ALIM S/D GRANULATE PN 8 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
75	9	93	40	3565 075000
102	10	122	20	3565 100000

Cutted length possible

Naftrex / B

Marking: DIN 73379 SIZE GERMANY

Fuelhose acc. German norm DIN 73379 Type „NAFTREX/B“

Application and temperature range specifications

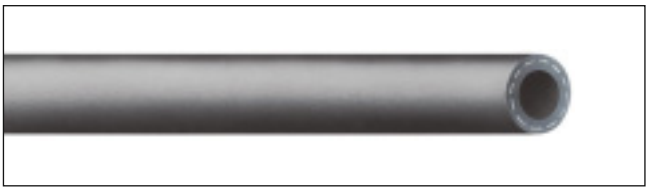
Fuel with max. aromatic content 50%		+40°C
High grade fuels	:	+40°C
Diesel fuels	:	+80°C
Kerosenes	:	+40°C
Cooling liquids (glycols, glysantine a.o.)	:	+90°C
Water	:	+90°C
Air	:	+80°C
Liquid detergents, non-oxydating	:	+80°C
Coldresistant till	:	-40°C
Maximum peak-temperature	:	+120°C

Norm	:	DIN 73379 march 1982 type B
Working pressure	:	15 bar
Burst pressure	:	60 bar
Tube	:	NBR, black, smooth
Cover	:	with black textile braids for heat-protection

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
3,2	1,9	7,0	10*/20	3370 032070
3,5	2,0	7,5	10*/20	3370 035075
4,0	2,5	9,0	10*/20	3370 040090
4,5	2,5	9,5	10*/20	3370 045095
5,0	2,5	10,0	10*/20	3370 050100
5,5	2,5	10,5	10*/20	3370 055105
6,0	2,5	11,0	10*/20	3370 060110
7,0	2,5	12,0	10*/20	3370 070120
7,5	2,5	12,5	10*/20	3370 075125
8,0	2,5	13,0	10*/20	3370 080130
9,0	2,5	14,0	10*/20	3370 090140
11,5	2,75	17,0	10*/20	3370 115170

*10 meter length if in stock

Carboform® / EN / ISO



Marking: **LOGO PRODUCER ITALY CARBOPOMP®**
MARINE FUEL SAE J1527:2004
USCG A1 – ISO 7840:2004 A1 CE-0474
RINA - LLOYD‘S REGISTER (Ø/YEAR)

Fuelhose according norm EN/ISO 7840

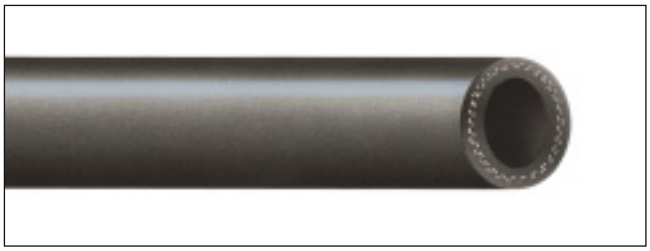
Fire resistant fuel hose for small craft of upto 24 meter length of hull. For fuels with an aromatic content not exceeding 50%, also suitable for unleaded petrol and biodiesel.

Norm	:	SAE J 1527 : 2004-A1 R1 and ISO 7840:2004-A1 CE DIP 128405/MI/1 0474 R.I.NA
Tube	:	Black, smooth synthetic rubber
Cover	:	Black, smooth, selfextinguishing
Temperature range	:	-20°C / +80°C

ø diameter	Workingpressure/ Burstpressure	kg/mtr	Length mtr	Art.-No.
6 x 15	8 bar / 14 bar	0,215	40	3305 006000
8 x 16	8 bar / 14 bar	0,220	40	3305 008000
10 x 18	8 bar / 14 bar	0,255	40	3305 010000
12 x 21	3,5 bar / 10 bar	0,340	40	3305 012000
16 x 26	3,5 bar / 10 bar	0,420	40	3305 016000
19 x 29	3,5 bar / 10 bar	0,550	40	3305 019000
25 x 35	3,5 bar / 10 bar	0,660	40	3305 025000

Cutted length possible

Carboform®



Aufdruck: CARBOFORM® PN 10 BAR Ω

Oil- and petrolhose

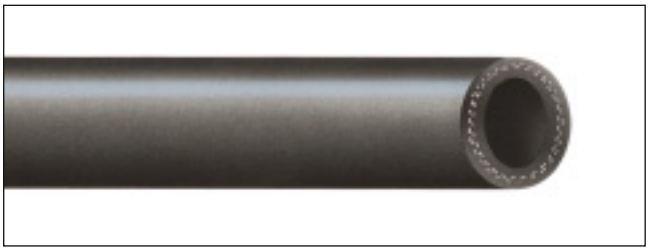
for delivery of domestic oils and fuels, with an aromatic content not exceeding 50%.

Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-25°C / +80°C
Electrical resistance	:	$<10^6$ Ω
Tube	:	NBR, black, smooth
Cover	:	NBR/PVC, black, smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	4	27	50	3300 019000
25	5	35	50	3300 025000

Cutted length possible

Carboform® / PD



Marking: CARBOPRESS D EN 1360 TYPE 1
DIAM-16 BAR-M-MADE IN ITALY-PARKER ITR Q/Y

Kerbsidepumphose

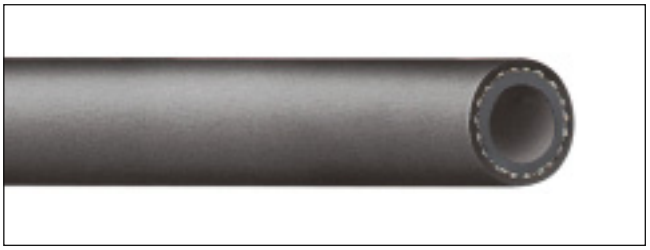
For fuel and petrol-delivery, for leaded and unleaded petrol, in commercial kerbsidepumps. For fuels with an aromatic content not exceeding 60%. Also suitable for biodiesel.

Norm	:	EN 1360
Working pressure	:	16 bar
Burst pressure	:	48 bar
Temperature range	:	-20°C / +55 °C
Electrical resistance	:	$<10^6$ Ω
Tube	:	NBR, black, smooth, antistatic
Cover	:	NBR, black, smooth, non-staining, antistatic

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
15	5	25	50	3330 015000
19	6	31	50	3330 019000
25	6	37	50	3330 025000

Cutted length possible

Petrol - Oil



Marking: PETROL- OIL HOSE PN 25 BAR Ω

Oil- and petrolhose

for fuelsupply to engines and motors. Excellent garagehose. For fuels with a maximum aromatic content of 40%. Suitable for Europetrol (unleaded) and kerosenes.

Working pressure	:	25 bar
Burst pressure	:	75 bar
Temperature range	:	-20°C / +80°C
Electrical resistance	:	$<10^6$ Ω
Tube	:	NBR, black smooth,
Cover	:	NBR/PVC, black smooth

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
6	3,5	13	50	3320 006000
8	**3,75**	**15,5**	**50**	**3320 008000**
10	4	18	50	3320 010000
13	**4,5**	**22**	**50**	**3320 013000**
15	5	25	50	3320 015000
19	**5**	**29**	**50**	**3320 019000**
25	5,5	36	50	3320 025000

Cutted length possible

Carbocord® / 10

Oil- and petrolhose

for delivery of domestic oils and fuels, with an aromatic content not exceeding 40%. Hose can be reeled for easy-handling supply.

Working pressure	:	10 bar
Burst pressure	:	30 bar
Temperature range	:	-25°C /+80°C
Tube	:	NBR, black, smooth
Cover	:	CR/NBR, black, smooth, fabric finish
Reinforcements	:	textile plies, „static-wire“

Marking: **CARBOCORD® NBR DRUCK/DISCHARGE PN 10 BAR**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	6	44	40	3310 032000
38	7,5	53	40	3310 038000
50	7	64	40	3310 050000
63	8	79	40	3310 063000
75	9	93	40	3310 075000

Cutted length possible

Carbocord® / EN

Oil-fuel dischargehose

for mineral oils, fuels with a maximium aromatic content not exceeding 50%. Also suitable for biodiesel.

Norm	:	EN 12115 and TRbF 131, Part 2 section 5.5
Working pressure	:	16 bar
Burst pressure	:	64 bar
Temperature range	:	-20°C / +65°C
Electrical resistance	:	$<10^6$ Ω
Wall through passing resistance	:	$<10^9$ Ω
Tube	:	NBR, black, smooth
Cover	:	NBR/SBR, black, smooth, fabric finish
Reinforcements	:	textile plies and „static wires“

Marking: **EN 12115:1995 NBR-1 ø Inner - Working pressure - Burst pressure - Ω TRbF 131/T2 - Quartal / Year MADE IN ITALY-ITR-TREG**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
32	6	44	40	3380 032000
38	6,5	51	40	3380 038000
45*	7	59	40	3380 045000
50	8	66	40	3380 050000
75	8	91	40	3380 075000
100	8	116	40	3380 100000

Cutted length possible
* according TÜV

Carboflat / 16

Flatcollapsable dischargehose

For mineral oils, fuels with a maximum aromatic content not exceeding 50%. Small coils for easy handling.

Working pressure	:	16 bar
Burst pressure	:	48 bar
Temperature range	:	-20°C / +80°C
Electrical resistance	:	$<10^6$ Ω
Tube	:	NBR, black, smooth
Cover	:	NBR/Neoprene, black, fabric finish
Reinforcements		textile plies, 2 static wires

Marking: **CARBOFLAT OIL-PETROL BUNKER-HOSE PN.. BP.. BAR Ω M**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
75	7,5	90	40	3360 075000
100	7,5	115	20/40	3360 100000
150	9,5	169	20/40	3360 150000
203	10,5	224	20	3360 200000

Cutted length possible

Armoflex® / OIL

Oil- and petrol resistant PVC suction/discharge hose
Resistant against oil, petrol, fuel, soft acids and lye´s. Good resistance against outdoor exposure, weather- and ageing proof.

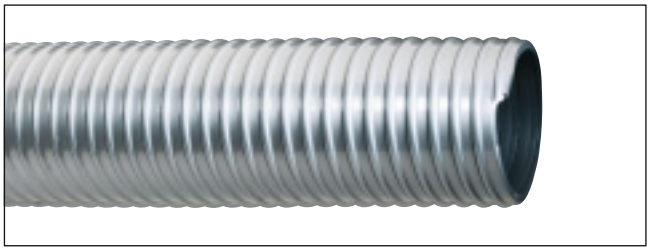
Vacuum	:	0,8 bar
Temperature range	:	-15°C / +65°C
Construction	:	flexible, black PVC with embedded steel spiral

Marking: **ARMOFLEX® / OIL**

ø Inner mm	Wall mm	ø Outer mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
25	4	33	8	0,520	30	4481 025000
32	4	40	7	0,660	30	4481 032000
38	4,5	47	7	0,800	30	4481 038000
51	5,5	62	5	1,350	30	4481 050000

Cutted length possible

Naftoil / Buna



PVC/NBR suction/dischargehose
for industrial water, waste-water, dung, mineral oils a.o. under medium duty conditions.
An extremely flexibel hose, also under cold conditions.

Vacuum	:	0,9 bar
Temperate range	:	-30°C / +65°C
Construction	:	PVC/NBR, grey, with grey PVC spiral

Marking: **NAFTOIL / BUNA - ø INNER - YEAR / WEEK**

ø Inner mm	PN/bar at 20°C	kg/mtr	Length mtr	Art.-No.
51	6	1,070	50	4465 050000
76	4,5	1,750	50	4465 075000
102	4	2,700	50	4465 100000
127	3,6	3,600	20	4465 125000
152	2,5	5,000	4/20	4465 150000

Cutted length possible

Carboflex® / Grecato

Oil- and petrol resistant suction / discharge hose
Extremely flexible hose for fuels, petrols and biodiesel with an aromatic content not exceeding 50%. Hose provided with special „GRECATO“ profile. Also suitable as hydraulic oil inversion hose.

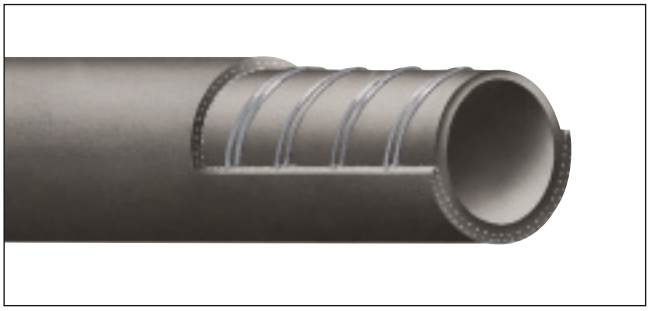
Vacuum	: 0,8 bar
Working pressure	: 10 bar
Burst pressure	: 30 bar
Temperature range	: -20°C up to +85°C, intermittent up to +110°C
Electrical resistance	: $<10^6$ Ω
Tube	: NBR, black, smooth
Cover	: CR, black with „grecato“ profile, fabric finish
Reinforcements	: Steel wire helix

Marking: **CARBOFLEX / GRECATO NBR OEL SAUG/DRUCK - OIL SUCTION/DISCHARGE - PN 10 BAR Ω**

ø Inner mm	Wall mm	ø Outer mm	Bending radius mm	kg / mtr	Length mtr	Art.-No.
25	5	35	+/- 75 mm	0,700	40	3353 025000
32	5	42	+/- 100 mm	0,900	40	3353 032000
38	5	48	+/- 115 mm	1,050	40	3353 038000
50	6	62	+/- 135 mm	1,550	40	3353 050000

Cutted length possible

Carboflex® / OHM



Marking: **MANUFACTURERS NAME PATENT MI2002A1311**
CARBOFLEX / NBR / OEL / OIL-SD
PN 10 BAR - Ω

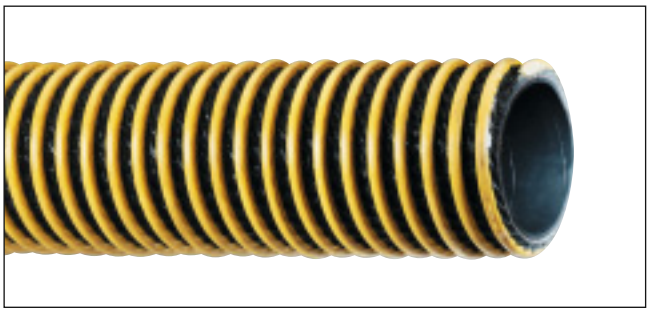
Oil- and petrol resistant suction/discharge hose
for oils, fuels and petrols with an aromatic content not exceeding 60%. Extremely flexible and in light-weight design. Perfectly suitable for vehicles in industrial cleaning and tank trucks.

Norm	: TRbF 131 Part 2, section 5.5
Working pressure	: 10 bar
Burst pressure	: 30 bar
Vacuum	: 0,9 bar
Electrical resistance	: $<10^6$ Ω
Wall through passing resistance	: $<10^9$ Ω
Temperature range	: -20°C / +80°C
Tube	: NBR, black, smooth
Cover	: CR, Neoprene, black, fabric finish
Reinforcements	: textile plies, twin spirals
Bending radius	: 4 x inner diameter

ø Inner mm	Wall mm	ø Outer mm	kg/mtr	Length mtr	Art.-No.
51	6,5	64	1,500	40	3351 050000
76	7	90	2,500	40	3351 075000
102	8	118	4,000	40	3351 100000

Cutted length possible

Carboflex® / HP



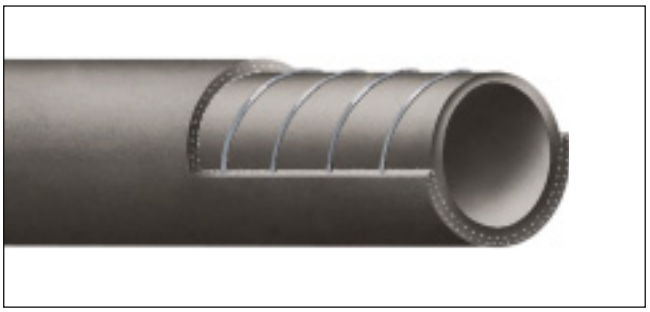
Oil- and petrol resistant suction/discharge hose
Suitable for hydrocarbons with a maximum aromatic content of 40%. Kink proof, and an ultra short bending radius.
Allows easy handling and pull- end drag safety.
Great advantages for fuel fluids handling.

Vacuum	: 0,9 bar
Temperature range	: from -30°C till +85°C
Electrical resistance	: Over entire innertube $<10^6$ Ω From innertube to cover $<10^9$ Ω
Innertube	: NBR, black, smooth
Cover	: NBR/PVC compound, with exterior rigid PVC spiral
Reinforcements	: Textile insertions, „static-wire“
Bending radius	: 2 x inside diameter

ø Inner mm	ø Outer mm	Working pressure at 20°C	Weight per mtr	Length mtr	Art.-No.
51	73	10 bar	1,70	20	3352 050000
76	99	7 bar	2,40	20	3352 075000
102	124	7 bar	3,20	20	3352 100000

Cutted length possible

Carboflex® / 10



Oil- and petrol suction/discharge hose
for oils and fuels, petrols with an aromatic content not exceeding 40%. Designed as tankwagon hose.

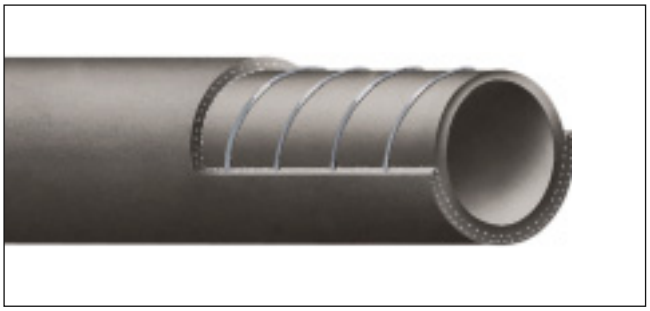
Working pressure	:	10 bar
Burst pressure	:	30 bar
Vacuum	:	0,8 bar
Temperature range	:	-25°C / +80°C
Tube	:	NBR, black, smooth
Cover	:	NBR/CR, black, smooth, fabric finish
Reinforcements		textile plies, steel wire helix and „static-wires“

Marking: **CARBOFLEX® NBR ÖL SAUG/DRUCK OIL SUCTION/DISCHARGE PN 10 BAR Ω**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	5,5	36	40	3350 025000
32	5,5	43	40	3350 032000
38	6,5	51	40	3350 038000
42	6,5	55	40	3350 042000
45	7	59	40	3350 045000
51	6,5	64	40	3350 050000
63	7,5	78	40	3350 063000
70	7	84	40	3350 070000
75	8	91	40	3350 075000
90	8	106	40	3350 090000
100	8	116	40	3350 100000
152	11	174	20	3350 150000

Cutted length possible

Carboflex® / EN



Oil and petrol suction/dischargehose
For mineral oils and fuels with an aromatic content not exceeding 50% According latest Norms. Also suitable for biodiesel.

Norm	:	EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	:	16 bar (100 mm 12 bar)
Burst pressure	:	64 bar (100 mm 48 bar)
Vacuum	:	0,9 bar (75 and 100 mm 0,8 bar)
Temperature range	:	-20°C / +80°C
Electrical resistance	:	$<10^6$ Ω
Wall through passing resistance	:	$<10^9$ Ω
Tube	:	NBR, black, smooth extruded quality
Cover	:	NBR/SBR, black, fabric finish
Reinforcements	:	textile plies, steel wire helix and static-wire
Bending radius	:	5 x inside diameter

Marking: **CARBOFLEX® Manufacturers name EN 12115 NBR-1 Ø inner-SD- working pressure- burst pressure-Ω TRbF 131/T2 - Quarter/Year**

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	6	37	40	3356 025000
32	6	44	40	3356 032000
38	6,5	51	40	3356 038000
50	8	66	40	3356 050000
63	7,5	78,5	40	3356 063000
75	8	91	40	3356 075000
100	8	116	20/40	3356 100000

Cutted length possible

Corrosiv® / EN

Aufdruck: **CORROSIV ® CHEMHOSE / CHEMIESCHLAUCH ITR EN 12115 EPDM D MM PN 16 PB 64 BAR Ω TRBF 131/T2 P.5.5 QUARTER/YEAR**

Dischargehose for chemicals.

for concentrated acids and chemicals. Not suitable for hydrocarbons. To be cleaned with hot water or steam of maximum 120°C.

Norm	:	EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	:	16 bar
Burst pressure	:	64 bar
Electrical resistance	:	$<10^6$ Ω
Wall through passing resistance	:	$<10^9$ Ω
Tube	:	EPDM, black, smooth
Cover	:	EPDM, black, smooth, fabric finish
Reinforcements	:	textile plies, „static-wires“
Remark	:	Please consult the chemical-resistance-table in our catalogue (pages 8-12). In case of doubt please contact us.

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	6	31	40	3815 019000
25	6	37	40	3815 025000
32	6	44	40	3815 032000
38	6,5	51	40	3815 038000
50	8	66	40	3815 050000

Cutted length possible

Corrosiv® / SP / EN

Marking: **CORROSIV® CHEMHOSE/ CHEMIESCHLAUCH ITR EN 12115 EPDM Ø S/D PN.. PB.. BAR Ω - TRBF 131/T2 P5.5 - QUARTER/YEAR**

Suction/dischargehose for chemicals.

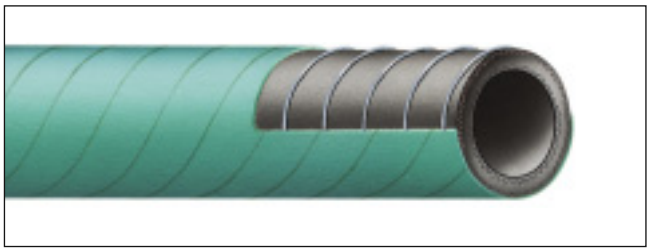
For a wide range of acids and chemicals. Suitability to be consulted in the chemical-resistance-tables. Not suitable for use of hydrocarbons. To be cleaned with hot water or steam with maximum temperature of 120°C. Highly qualified hose, kinkproof and flexible.

Norm	:	EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	:	16 bar (100 mm 12 bar)
Burst pressure	:	64 bar (100 mm 48 bar)
Vacuum	:	0,9 bar (75 and 100 mm 0,8 bar)
Electrical resistance	:	$<10^6$ Ω
Wall through passing resistance		$<10^9$ Ω
Tube	:	EPDM, black smooth, extruded
Cover	:	EPDM, black smooth, fabric finish
Reinforcements		textile plies, steel wire helix, „static-wire“
Remark	:	Please consult the chemical-resistance-tables in our catalogue (pages 8-12). In case of doubt please contact us.

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
25	6	37	40	3830 025000
32	6	44	40	3830 032000
38	6,5	51	40	3830 038000
50	8	66	40	3830 050000
63	8	79	40	3830 063000
75	8	91	40	3830 075000
100	8	116	40	3830 100000

Cutted length possible

Superchem® / XLPE



Marking: **SUPERCHEM® XLPE S/D PN 15 BAR PB 45 BAR R<1 M Ω**

Chemical suction/discharge hose

For a vast range of chemicals and acids. For use and security please consult our chemical resistance tabel.

Working pressure	:	15 bar
Burst pressure	:	45 bar
Vacuum	:	0,9 bar
Temperature range	:	max. +65°C (consult table)
Tube	:	Cross-linked Polyethelene
Cover	:	EPDM, green, smooth fabric finish
Reinforcements	:	textile plies, steel wire helix and static-wire
Remark	:	For use and safety please consult the chemical resistance tabels in our catalogue (pages 8-12).

ø Inner mm	Wall mm	ø Outer mm	Length mtr	Art.-No.
19	7,5	34	40	3800 019000
25	8	41	40	3800 025000
38	8	54	40	3800 038000
51	8	67	40	3800 050000
76	9,5	95	40	3800 075000

Cutted length possible

Superchem® / UPE / EN

Marking: **SUPERCHEM® UPE MANUFACTURERS´ LOGO EN 12115 - UPE SD - DIAMETER - PN 10 BAR PB 48 BAR Ω -quarter / year production**

Chemical suction/dischargehose

for a vast range of chemicals and acids.

Norm	:	EN 12115 and TRbF 131, part 2, par. 5.5.
Working pressure	:	16 bar (100 mm – 12 bar)
Burst pressure	:	64 bar (100 mm – 48 bar)
Vacuum	:	0,9 bar (75 and 100 mm 0,8 bar)
Temperature range	:	-15°C / +70°C, intermittent 120°C to sterilize
Electrical resistance	:	$<10^6$ Ω
Wall through passing resistance	:	$<10^9$ Ω
Tube	:	UPE, smooth, electrical conductive
Cover	:	EPDM, black, smooth fabric finish
Reinforcements	:	textile plies, steel wire helix, ”static-wire”
Remark	:	for use and safety please consult the chemical resistance chart for XLPE (p. 8-12)

ø Inner mm	Wall mm	ø Outer mm	Bending radius mm	Length mtr	Art.-No.
19	6	31	190	40	3805 019000
25	6	37	230	40	3805 025000
32	6	44	260	40	3805 032000
38	6,5	51	340	40	3805 038000
50	8	66	410	40	3805 050000
63	8	79	450	40	3805 063000
75	8	91	530	40	3805 075000
100	8	116	680	20	3805 100000

Cutted length possible

Fine ribbed rubber mats

without reinforcements
fabric-pattern backside

Material	: SBR, black
Tensile strength	: 40 kg/cm^2
Fracture elongation	: 180%
Hardness	: 60° +/- 5° Shore A
Specific weight	: 1,5 g/cm^3

Thick mm	Width mm	Length mtr	Art.-No.
3	1000	10	7300 003100
3	1200	10	7300 003120

No Cutted length

Hosetails System „GEKA“

Working pressure: 8 bar / Lug-distance : 40 mm
Brass polished, with rubber seal

for hose inner ø mm	Art.-No.
10	5310 010040
13	5310 013040
15	5310 016040
19	5310 019040
25	5310 025040
32	5310 032040
38	5310 038040

Female thread

Female thread size	Art.-No.
G 3/8“	5311 010040
G 1/2“	5311 013040
G 3/4“	5311 019040
G 1“	5311 025040
G 1.1/4“	5311 032040
G 1.1/2“	5311 038040

Male thread

Male thread size	Art.-No.
G 3/8“	5312 010040
G 1/2“	5312 013040
G 3/4“	5312 019040
G 1“	5312 025040
G 1.1/4“	5312 032040
G 1.1/2“	5312 038040

Blank caps

fitting to all sizes

Art.-No.
5313 000040

3-way pieces

Art.-No.
5314 000040

Spare seals

Art.-No.
5315 040000

Hosetails with securing ring

for high-pressure appliances, air max. 30 bar, water max. 40 bar, NBR-gasket

for hose inner ø mm	Art.-No.
19	5316 019040
25	5316 025040

Brass nozzles with hosetails

for hose inner ø mm	Art.-No.
13	5352 013000
19	5352 019000
25	5352 025000

Brass nozzles with quick-action connection

for hose inner ø mm	Art.-No.
13	5354 013040
19	5354 019040
25	5354 025040

Brass chromated nozzles with hosetails and valve

Handle manual operated for jet - fog and shut-off
Operating pressure: 3 - 5 bar

for hose inner ø mm	Art.-No.
13	5350 013000
19	5350 019000
25	5350 025000

Hosetails steel male threaded

for hoseclamp-assembly, zinc-plated steel

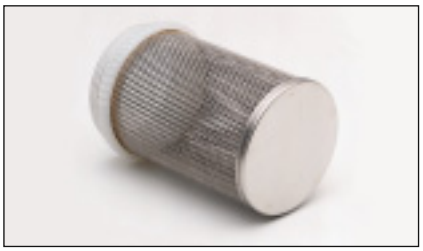
for hose inner ø mm	Male thread	Art.-No.
25	G 1“	5340 025025
32	G 1.1/4“	5340 032032
38	G 1.1/2“	5340 038038
51	G 2“	5340 050050
63	G 2.1/2“	5340 063063
75	G 3“	5340 075075
102	G 4“	5340 100100
127	G 5“	5340 125125
152	G 6“	5340 150150

Check valve Europa

suitable for horizontal, vertical and oblique position. Both sides female thread, equipped with longitudinal valve.

Materiaal:
- Valve body : Hot pressed brass
- Internal seat : Stainless steel
- Seal : NBR
- Spring : Stainless steel
- Temperature range : -20°C /+90°C

Female thread	build-in length mm	PN/ bar	Unit packing Number	Art.-No.
G 1/2“	57	25	10	5264 013000
G 3/4“	64	25	8	5264 019000
G 1“	75	25	6	5264 025000
G 1.1/4“	82	18	4	5264 032000
G 1.1/2“	93	18	4	5264 038000
G 2“	100	18	2	5264 050000



Stainless steel filter for check valve Europa

male thread BSP nylon

Female thread	Art.-No.
G 1/2“	5266 013000
G 3/4“	5266 019000
G 1“	5266 025000
G 1.1/4“	5266 032000
G 1.1/2“	5266 038000
G 2“	5266 050000

Brass hose coupling male with serrated tail, hexagon and male thread BSP

for hose inner ø mm	Male thread	Art.-No.
6	G 1/4“	5327 006006
10	G 3/8“	5327 010010
13	G 1/2“	5327 013013
19	G 3/4“	5327 019019
25	G 1“	5327 025025
32	G 1.1/4“	5327 032032
38	G 1.1/2“	5327 038038
51	G 2“	5327 050050

Threaded fittings

with serrated hosetails, swivelling nuts, flat seals

for hose inner ø mm	Female thread	Art.-No.
13	G 1/2“	5319 013013
13	G 3/4“	5319 013019
19	G 3/4“	5319 019019
25	G 1“	5319 025025
32	G 1.1/4“	5319 032032
38	G 1.1/2“	5319 038038
51	G 2“	5319 050050

Brass hosemenders

Both sides serrated tails. No collar.

for hose inner ø mm	Art.-No.
6	5330 006006
8	5330 008008
10	5330 010010
13	5330 013013
19	5330 019019
25	5330 025025

Quick couplings suction/discharge with long hosetails

System *„Storz“*, aluminium alloy. NBR-seals (oil- and petrol resistant), white.

DIN-Norm standard

D = Lugdistance 31
C = Lugdistance 66
B = Lugdistance 89
A = Lugdistance 133

NEN 3374-Norm standard

2“ = Lugdistance 81
2.1/2“ = Lugdistance 81
3“ = Lugdistance 81

Quality: Forged couplings - PN 16

Nominal size	for hose inner ø mm	Lugdistance mm	Art.-No.
D	19	31	5110 019031
D	25	31	5110 025031
	25	44	5110 025044
C	25	66	5110 025066
C	32	66	5110 032066
	38	52	5110 038052
C	38	66	5110 038066
	38	81	5110 038081
C	52	66	5110 050066
	52	81	5110 050081
	63	81	5110 063081
B	63	89	5110 063089
B	70	89	5110 070089
	75	81	5110 075081
B	75	89	5110 075089
B	80	89	5110 080089
	100	115	5110 100114
A	100	133	5110 100133
A	110	133	5110 110133
F 3 Lug‘s	150	160	5110 150159

Suction/discharge couplings for safety-clamp assembly

System *„Storz“*, aluminium alloy, with smooth hosetails and safety collar.
NBR-seals (oil- and petrolfluids resistant), white.

Quality: Forged couplings - PN 16

Nominal size	for hose inner ø mm	Lugdistance mm	Art.-No.
C	50	66	5123 066008
B	75	89	5123 075010
A	100	133	5123 100010

Quick couplings suction/discharge with serrated hose tails

System *„Storz“*, aluminium alloy, NBR seals (oil- and petrol resistant),white.

Quality: Forged couplings - PN 16

Nominal size	for hose inner ø mm	Lugdistance mm	Art.-No.
C	52	66	5124 050066
B	75	89	5124 075089
A	100	133	5124 100133
F 3 Lug‘s	150	160	5124 150160

Adapters female thread

System ***„Storz“***, aluminium alloy, NBR-seals, oil- and petrolfluids resistant, white.

Quality: Forged couplings - PN 16

Nominal size	Female thread	Lugdistance mm	Art.-No.
D	G 3/4“	31	5111 019031
D	G 1“	31	5111 025031
	G 1“	44	5111 025044
C	G 1“	66	5111 025066
	G 1.1/4“	52	5111 032052
C	G 1.1/4“	66	5111 032066
	G 1.1/2“	52	5111 038052
C	G 1.1/2“	66	5111 038066
C	G 2“	66	5111 050066
	G 2“	81	5111 050081
B	G 2“	89	5111 050089
C	G 2.1/2“	66	5111 063066
	G 2.1/2“	81	5111 063081
B	G 2.1/2“	89	5111 063089
	G 3“	81	5111 075081
B	G 3“	89	5111 075089
	G 4“	115	5111 100114
A	G 4“	133	5111 100133

Adapters male thread BSP

System ***„Storz“***, aluminium alloy. NBR-seals, oil- and petrolfluids resistant, white.

Quality: Forged couplings - PN 16

Nominal size	Male thread	Lugdistance mm	Art.-No.
D	G 1“	31	5112 025031
	G 1“	44	5112 025044
C	G 1“	66	5112 025066
	G 1.1/4“	44	5112 032044
	G 1.1/4“	52	5112 032052
C	G 1.1/4“	66	5112 032066
	G 1.1/2“	52	5112 038052
C	G 1.1/2“	66	5112 038066
C	G 2“	66	5112 050066
	G 2“	81	5112 050081
	G 2.1/2“	81	5112 063081
	G 3“	81	5112 075081
B	G 3“	89	5112 075089
	G 4“	115	5112 100114
A	G 4“	133	5112 100133

Swivelling adaptors female threaded

System ***„Storz“***, aluminium alloy, NBR-seals (oil- and petrolresistant), white

Quality: Forged couplings - PN 16

Nom. size	Inner thread	Lugdistance mm	Art.-No.
B	G 3“	89	5119 075089
A	G 4“	133	5119 100133

Reducers

System *„Storz“*, aluminium alloy, NBR-seals (oil- and petrol resistant), white.

Quality: Forged couplings - PN 16

Nominal size	Lugdistance mm	Art.-No.
D - C	31 - 66	5113 031066
	52 - 66	5113 052066
	66 - 81	5113 066081
C - B	66 - 89	5113 066089
	81 - 89	5113 081089
B - A	89 - 133	5113 089133

Blank caps with chain

System *„Storz“*, aluminium alloy, NBR-rubber seals, white, oil- and petrol resistant.

Quality: Forged couplings - PN 16

Nominal size	Lugdistance mm	Art.-No.
D	31	5115 031000
C	66	5115 066000
	81	5115 081000
B	89	5115 089000
	115	5115 114000
A	133	5115 133000

Collapsible couplings handles

suitable for self-mounting

System *„Storz“*, aluminium alloy. For fast and safe assembling of Storz-couplings.

Nominal size	Lugdistance mm	Art.-No.
A	133	5114 133000

Discharge couplings with short hosetail

System *„Storz“*, aluminium alloy, NBR-seals, oil- and petrolfluids resistant, white.

Quality: Forged couplings - PN 16

Nominal size	for hose inner ø mm	Lugdistance mm	Art.-No.
C	52	66	5109 052066
B	75	89	5109 075089

Safety clamps for couplings system „Storz“

steel band with joint, rubber cover profile and adjustable locking.

Nominal size	Lugdistance mm	Art.-No.
C	66	8511 066000
B	89	8511 089000
A	133	8511 133000

Wrenches

for System ***„Storz“.***
Type BC = for Lugdistance 66 - 89 mm
Type ABC = for Lugdistance 66 - 133 mm

Typ	Material	Art.-No.
BC	Steel	5117 050075
ABC	Cast iron	5117 050100
ABC	Steel	5117 050102

Jet-spray branchpipes with adapter

System ***„Storz“***, aluminium alloy.
Handle for 3 way-purpose.
- shut-off
= full jet
-> spray jet

Ausführung: geschmiedete Knaggenteile - PN 16

Quality: Forged couplings - PN 16

Lugdistance mm	Nozzle diam. x tip diameter	Art.-No.
66	12 x 9	5118 050066
81	12 x 9	5118 063081

Suction/discharge seals

System ***„Storz“***, suction/discharge type (Type DS)
NBR : Food quality, oil- and petrolfluids resistant
Temperature range : -25°C / +100°C
Silicon : Chemicals- and food-products resistant
Temperature range : -50°C / +200°C

Nom. size	Material / colour	Lugdistance mm	Art.-No.
D	NBR / white	31	5120 025031
	NBR / white	44	5120 032044
	NBR / white	52	5120 038052
C	NBR / white	66	5120 050066
	NBR / white	81	5120 063081
B	NBR / white	89	5120 075089
	NBR / white	115	5120 100114
A	NBR / white	133	5120 115133
C	Silicon / transparent	66	5121 050066
B	Silicon / transparent	89	5121 075089
A	Silicon / transparent	133	5121 100133

symmetrical half-couplings
french coupling system
System ***„Guillemin“***, aluminium alloy,
NBR-seal oil- and petrolfluids resistant, black. Working pressure: 16 bar PN 16

with serrated hosetails and locking ring

Nom. size	for hose inner ø mm	Art.-No.
50	51	5725 050050
80	76	5725 075075
100	102	5725 100100

with female thread and locking ring

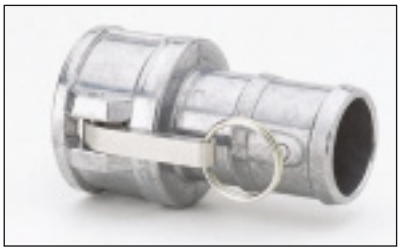
Nom. size	Female thread	Art.-No.
50	G 2“	5729 050050
80	G 3“	5729 075075
100	G 4“	5729 100100

with male thread and locking ring

Nom. size	Male thread	Art.-No.
50	G 2“	5730 050050
80	G 3“	5730 075075
100	G 4“	5730 100100

Blank caps with locking ring and chain

Nom. size	Art.-No.
50	5728 050050
80	5728 075075
100	5728 100100



Female coupler with hose stem, Part C

Norm: MIL-C-27487

NBR-gaskets oil- and petrol resistant max. 100°C

Light alloy			Stainless steel 1.4401 AISI 316	
Nom. size	PN/bar	Art.-No.	PN/bar	Art.-No.
1/2“			16	5520 013000
3/4“	16	5510 019000	16	5520 019000
1“	16	5510 025000	16	5520 025000
1.1/4“	16	5510 032000	16	5520 032000
1.1/2“	16	5510 038000	16	5520 038000
2“	16	5510 050000	16	5520 050000
2.1/2“	10	5510 063000	16	5520 063000
3“	9	5510 075000	14	5520 075000
4“	7	5510 100000	7	5520 100000

Male adapter hose stem, Part E

Norm: MIL-C-27487

Light alloy			Stainless steel 1.4401 AISI 316	
Nom. size	PN/bar	Art.-No.	PN/bar	Art.-No.
1/2“			16	5521 013000
3/4“	16	5511 019000	16	5521 019000
1“	16	5511 025000	16	5521 025000
1.1/4“	16	5511 032000	16	5521 032000
1.1/2“	16	5511 038000	16	5521 038000
2“	16	5511 050000	16	5521 050000
2.1/2“	10	5511 063000	16	5521 063000
3“	9	5511 075000	14	5521 075000
4“	7	5511 100000	7	5521 100000

Male adapter female threaded, Part A

Norm: MIL-C-27487

Light alloy			Stainless steel 1.4401 AISI 316	
Nom. size	PN/bar	Art.-No.	PN/bar	Art.-No.
G 1/2“			16	5522 013000
G 3/4“	16	5512 019000	16	5522 019000
G 1“	16	5512 025000	16	5522 025000
G 1.1/4“	16	5512 032000	16	5522 032000
G 1.1/2“	16	5512 038000	16	5522 038000
G 2“	16	5512 050000	16	5522 050000
G 2.1/2“	10	5512 063000	16	5522 063000
G 3“	9	5512 075000	14	5522 075000
G 4“	7	5512 100000	7	5522 100000

Male adapter male threaded, Part F

Norm: MIL-C-27487

Nom. size	Light alloy PN/bar	Light alloy Art.-No.	Stainless steel 1.4401 AISI 316 PN/bar	Stainless steel 1.4401 AISI 316 Art.-No.
R 1/2“			16	5523 013000
R 3/4“	16	5513 019000	16	5523 019000
R 1“	16	5513 025000	16	5523 025000
R 1.1/4“	16	5513 032000	16	5523 032000
R 1.1/2“	16	5513 038000	16	5523 038000
R 2“	16	5513 050000	16	5523 050000
R 2.1/2“	10	5513 063000	16	5523 063000
R 3“	9	5513 075000	14	5523 075000
R 4“	7	5513 100000	7	5523 100000

Female coupler male threaded, Part B

Norm: MIL-C-27487

NBR-Gaskets oil- and petrol resistant max. 100°C.

Nom. size	Light alloy PN/bar	Light alloy Art.-No.	Stainless steel 1.4401 AISI 316 PN/bar	Stainless steel 1.4401 AISI 316 Art.-No.
R 1/2“			16	5524 013000
R 3/4“	16	5514 019000	16	5524 019000
R 1“	16	5514 025000	16	5524 025000
R 1.1/4“	16	5514 032000	16	5524 032000
R 1.1/2“	16	5514 038000	16	5524 038000
R 2“	16	5514 050000	16	5524 050000
R 2.1/2“	10	5514 063000	16	5524 063000
R 3“	9	5514 075000	14	5524 075000
R 4“	7	5514 100000	7	5524 100000

Female coupler female threaded, Part D

Norm: MIL-C-27487

NBR-Gasket oil- and petrol resistant max. 100°C

Nom. size	Light alloy PN/bar	Light alloy Art.-No.	Stainless steel 1.4401 AISI 316 PN/bar	Stainless steel 1.4401 AISI 316 Art.-No.
G 1/2“			16	5525 013000
G 3/4“	16	5515 019000	16	5525 019000
G 1“	16	5515 025000	16	5525 025000
G 1.1/4“	16	5515 032000	16	5525 032000
G 1.1/2“	16	5515 038000	16	5525 038000
G 2“	16	5515 050000	16	5525 050000
G 2.1/2“	10	5515 063000	16	5525 063000
G 3“	9	5515 075000	14	5525 075000
G 4“	7	5515 100000	7	5525 100000

Male dust plugs, Part DP

Norm: MIL - C - 27487

Light alloy

Nom. size	PN/bar	Art.-No.
1/2“		
3/4“	16	5516 019000
1“	16	5516 025000
1.1/4“	16	5516 032000
1.1/2“	16	5516 038000
2“	16	5516 050000
2.1/2“	10	5516 063000
3“	9	5516 075000
4“	7	5516 100000

Stainless steel 1.4401 AISI 316

PN/bar	Art.-No.
16	5526 013000
16	5526 019000
16	5526 025000
16	5526 032000
16	5526 038000
16	5526 050000
16	5526 063000
14	5526 075000
7	5526 100000

Female dust caps, Part DC

Norm: MIL - C - 27487

NBR-Gaskets oil- and petrol resistant - max. 100°C

Light alloy

Nom. size	PN/bar	Art.-No.
1/2“		
3/4“	16	5517 019000
1“	16	5517 025000
1.1/4“	16	5517 032000
1.1/2“	16	5517 038000
2“	16	5517 050000
2.1/2“	10	5517 063000
3“	9	5517 075000
4“	7	5517 100000

Stainless steel 1.4401 AISI 316

PN/bar	Art.-No.
16	5527 013000
16	5527 019000
16	5527 025000
16	5527 032000
16	5527 038000
16	5527 050000
16	5527 063000
14	5527 075000
7	5527 100000

Also available in brass

NBR-Gaskets for female couplers

NBR-Gaskets oil- and petrol resistant - max. 100°C

Nom. size	PN/bar	Art.-No.
1/2“	16	5518 013000
3/4“	16	5518 019000
1“	16	5518 025000
1.1/4“	16	5518 032000
1.1/2“	16	5518 038000
2“	16	5518 050000
2.1/2“	10	5518 063000
3“	9	5518 075000
4“	7	5518 100000

Flanged couplings DIN

smooth hosetail with safety-collar and fixed flange

steel, for safety-clamp assembly

for hosebore ø mm	ø Flange outer mm	ø Pitch-circel mm	ø Sealing area mm	PN	Art.-No.
75	200	160	138	10/16	5612 075075
102	220	180	158	10/16	5612 100100
152	285	240	212	10/16	5612 150150
203	340	295	268	10	5612 200200

Flanged couplings DIN

smooth hosetail and safety-collar and swivelling flange

steel, for safety-clamp assembly

for hosebore ø mm	ø Flange outer mm	ø Pitch-circel mm	ø Sealing area mm	PN	Art.-No.
75	200	160	138	10/16	5613 075075
102	220	180	158	10/16	5613 100100
152	285	240	212	10/16	5613 150150
203	340	295	268	10	5613 200200

Flange couplings PN 10 / 16

with serrated hosetail and fixed flange

serrated hosetail and fixed flange, steel for normal hoseclamp-assembly

for hosebore ø mm	ø Flange outer mm	ø Pitch-circel mm	ø Sealing area mm	Art.-No.
102	220	180	158	5610 100100
152	285	240	212	5610 150150

Flange couplings PN 10 / 16

with serrated hosetail and swiveling flange

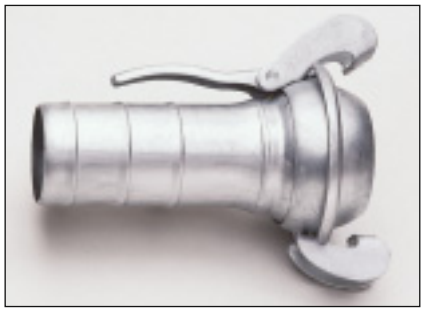
serrated hosetail and fixed flange, steel, for normal hoseclamp-assembly

for hosebore ø mm	ø Flange outer mm	ø Pitch-circel mm	ø Sealing area mm	Art.-No.
102	220	180	158	5611 100100
152	285	240	212	5611 150150

Couplings female, for hoseclamp assembly S 78

System ***„Bauer“***, hot dip galvanised steel. With hosetail, socket, sealing ring SBR.

Size	for hose inner ø mm	Art.-No..
50 / 50	51	5711 050050
89 / 75	76	5711 075075
108 / 100	102	5711 100100
133 / 125	127	5711 125125
159 / 150	152	5711 150150



Coupling male, for hoseclamp assembly S 77

System ***„Bauer“***, hot dip galvanised steel. With hosetail, ball and lever closure ring.

Size	for hose inner ø mm	Art.-No..
50 / 50	51	5710 050050
89 / 75	76	5710 075075
108 / 100	102	5710 100100
133 / 125	127	5710 125125
159 / 150	152	5710 150150

SBR O-sealing rings,

System ***„Bauer“,*** black

Size	Art.-No.
50	5714 050050
89	5714 075075
108	5714 100100
133	5714 125125
159	5714 150150

Quick connect couplings female Part C 78

for hoseclamp assembly

System ***„Perrot“***, hot dip galvanised steel.

Nom. size	for hose inner ø mm	Art.-No.
50 / 50	50	5721 050050
70 / 63	63	5721 070063
89 / 75	76	5721 089075
89 / 90	90	5721 089090
108 / 100	102	5721 108100
133 / 125	127	5721 133125
159 / 150	152	5721 159150
216 / 200	203	5721 216200

Quick connect coupling male Part C 77

for hoseclamp assembly

System ***„Perrot“***, hot dip galvanised steel. With hosetail and male cone.

Nom. size	for hose inner ø mm	Art.-No.
50 / 50	50	5720 050050
70 / 63	63	5720 070063
89 / 75	76	5720 089075
89 / 90	90	5720 089090
108 / 100	102	5720 108100
133 / 125	127	5720 133125
159 / 150	152	5720 159150
216 / 200	203	5720 216200

Rubber-O-seals

System ***„Perrot“,*** SBR, black

Nom. size	Art.-No.
50	5722 050000
70	5722 063000
89	5722 089000
108	5722 108000
133	5722 133000
159	5722 159000

High-pressure steamhose couplings

Stem with wing nut and female spud

System ***„Boss“***, plated steel or malleable iron. With safety-collar, NPT-female thread.

for hose inner ø mm	Female thread	Art.-No.
19	3/4“ NPT	5410 019000
25	1“ NPT	5410 025000
32	1.1/4“ NPT	5410 032000
38	1.1/2“ NPT	5410 038000
51	2“ NPT	5410 050000

High-pressure steamhose couplings

Male stem

System ***„Boss“***, plated steel or malleable iron with safety-collar, NPT male thread.

for hose inner ø mm	Male thread	Art.-No.
19	3/4“ NPT	5411 019000
25	1“ NPT	5411 025000
32	1.1/4“ NPT	5411 032000
38	1.1/2“ NPT	5411 038000
51	2“ NPT	5411 050000

High-pressure steamhose clamps

with gripping fingers

System ***„Boss“***, plated malleable iron.

for hose inner ø mm	for hose outer ø mm	Number bolts/ Number finger	Art.-No.
19	33 - 38	2 / 2	5420 031034
25	39 - 43,5	4 / 2	5420 039042
32	49 - 54	4 / 2	5420 045048
38	54 - 60	4 / 2	5420 054060
51	63,5 - 71	4 / 2	5420 064071

Female thread safety clamp screwings acc. DIN EN 14423

Female swivelling, flatsealing nut. Heavy duty couplings in steel, completed with brass forged safety clamps. To be used for saturated steam up to +210°C or hot water up to +120°C at max. 18 bar working pressure.
Please re-tighten bolts/screws after first use. (Fix over cross)

Working pressure: 100 bar at 20°C
18 bar at 210°C

for hose mm	female thread	Art.-No.
19 x 7	G 3/4“	5430 019070
25 x 7,5	G 1“	5430 025075

Male thread safety clamp screwings acc. DIN EN 14423

Zinc-steel with brass forged safety clamps. Please re-tighten bolts/screws after first use.
(Fix over cross)

Working pressure: 100 bar at 20°C
18 bar at 210°C

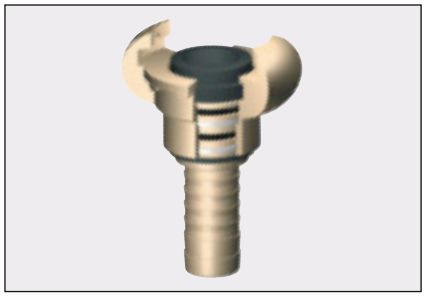
for hose mm	Male thread	Art.-No.
19 x 7	R 3/4“	5431 019070
25 x 7,5	R 1“	5431 025075

Claw coupling for compressors DIN 3489

Hosetail

Malleable iron, zinc plated.
Safety double lock, oilresistant gasket.
Lugdistance: 42 mm

for hose inner ø mm	Art.-No.
10	5210 010000
13	5210 013000
16	5210 015000
19	5210 019000
25	5210 025000
32	5210 032000



Claw coupling for compressors / DRB

with swivelling hose-tail

malleable iron, zinc plated. Safety double lock, oilresistant gasket. 360° swivelling, easy turning under pressure, therefore no hose twist.
Lugdistance: 42 mm
Workingpressure: 10 bar

for hose inner ø mm	Art.-No.
19	5218 019000
25	5218 025000

Claw coupling for compressors

with hosetail and collar

Malleable iron, zinc plated. Safety double lock, oilresistant gasket.
Lugdistance: 42 mm
Workingpressure: 10 bar

for hose inner ø mm	Art.-No.
13	5219 013000
19	5219 019000
25	5219 025000

Claw couplings adjustable

with hosetails and holding screw for extra security.
Working pressure: 16 bar

for hose inner ø mm	Art.-No.
10	5213 010000
13	5213 013000
16	5213 015000
19	5213 019000
25	5213 025000

Claw couplings DIN 3489
with male thread

Male thread		Art.-No.
G 3/8“		5212 010000
G 1/2“		5212 013000
G 3/4“		5212 019000
G 3/4“	Brass gasket	5212 019001
G 1“		5212 025000
G 1“	Brass gasket	5212 025001
G 1.1/4“		5212 032000

Claw couplings DIN 3489
Female threaded

Female thread		Art.-No.
G 3/8“		5211 010000
G 1/2“		5211 013000
G 3/4“		5211 019000
G 3/4“	Brass gasket	5211 019001
G 1“		5211 025000
G 1“	Brass gasket	5211 025001
G 1.1/4“		5211 032000

Claw couplings blank cap

	Art.-No.
no chain	5212 424242
with chain	5212 444444

Oilresistant rubber gasket

	Art.-No.
for clawcoupling	5214 042000
for clawcoupling with screw	5215 042001

Single valves for air

Inlet female, with screwed-on coupling
with lever stop, with vent hole

Lugdistance: 42 mm
Working pressure: 10 bar

Inlet Female thread	Art.-No.
G 3/4“	5220 019000
G 1“	5220 025000

Double valves for air

Inlet female, both sides screwed-on couplings
with lever stop, with vent hole

Lugdistance: 42 mm
Working pressure: 10 bar

Nominal bore	Art.-No.
G 3/4“	5221 019000
G 1“	5221 025000

Sandblast couplings

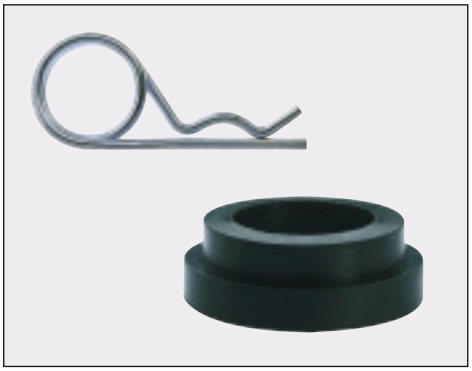
Couplings of malleable iron. NBR-rubber gasket (oil- and gasolineresistant).
Including screws.
Maximum workingpressure 12 bar.
Luigdistance 58 mm

for hose	Length coupling	Art.-No.
25 x 7 mm	93 mm	5900 025000
32 x 8 mm	92 mm	5900 032000

Sandblast couplings with female thread

Couplings of malleable iron with BSP-female thread.
NBR-rubber gasket (oil- and gasolineresistant).
Maximum workingpressure 12 bar.
Lugdistance 58 mm.

Thread	Length coupling	Art.-No.
1.1/4"	55 mm	5910 032000
1.1/2"	55 mm	5910 038000



Spare parts

for Sandblast Couplings

	Art.-No.
Rubber ring (per 10 pieces)	5911 000000
Screws (per 10 pieces)	5912 000000
Safety Clip (per 50 pieces)	5913 000000

Female hosecoupling for tank-truck adaptors

one end swivel nut, for safety-clamp assembly, with Polyuretane seals.
Material: Brass

for hose inner ø mm	Female thread	Art.-No..
25	G 1“	5538 025025
32	G 1.1/4“	5538 032032
38	G 1.1/2“	5538 038038
50	G 2“	5538 050050
63	G 2.1/2“	5538 063063
75	G 3“	5538 075075

Male hosecoupling, for tank-truck adaptors,

one end male thread, for safety-clamp assembly, smooth hosetails, with safety-collar.

for hose inner ø mm	Male thread	Material	Art.-No.
25	G 1“	Brass	5537 025038
32	G 1.1/4“	Brass	5537 032032
38	G 1.1/2“	Brass	5537 038038
50	G 2“	Brass	5537 050050
50	G 2“	Stainless steel	5533 050050
63	G 2.1/2“	Brass	5537 063063
75	G 3“	Brass	5537 075075
75	G 3“	Stainless steel	5533 075075
100	G 4“	Brass	5537 100100
100	G 4“	Stainless steel	5533 100100

Hosetails, male threaded hosetail for hoseclamp-assembly

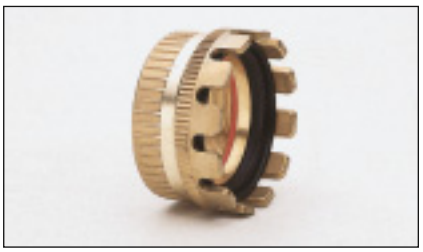
with serrated tail, no safety-collar.

for hose inner ø mm	Male thread	Art.-No.
50	G 2“	5536 050050
75	G 3“	5536 075075
80	G 3“	5536 080075
100	G 4“	5536 100100

Couplings female threaded adaptor, Type VK

Available in brass and stainless steel with polyurethane seal for brass types,
with P.T.F.E. seal for stainless steel type.

Nominal size	Innerthread	Material	Art.-No.
VK 50	G 2“	Brass	5573 050050
VK 50	G 2“	Stainless steel	5562 050050
VK 80	G 3“	Brass	5573 075075
VK 80	G 3“	Stainless steel	5562 075075
VK 100	G 4“	Brass	5573 100100
VK 100	G 4“	Stainless steel	5562 100100



Tank truck sealing rings
with female thread, Type MKV
Brass with Polyurethane-thread seals and NBR-form-shaped seals.
Stainless steel: with PTFE/Teflon-thread seals and Hypalon-form-shaped seals

Nominal size	Female thread	Material	Art.-No.
TW 1502	G 2“	Brass	5581 050000
TW 1502	G 2“	Stainless steel	5584 050000
TW 502	G 3“	Brass	5581 075000
TW 502	G 3“	Stainless steel	5584 075000

Clamping rings with handle, Type MKH
for sealingring, type MKV

Nominal size	Material	Art.-No.
TW 1503/4	Brass	5580 050000
TW 1503/4	Stainless steel	5577 050000
TW 503/4	Brass	5580 075000
TW 503/4	Stainless steel	5577 075000

Union couplings for tank-truck couplings
female threaded, Type MK
assembly of sealing ring and clamping ring with Polyurethane seal and NBR O-seal.

Nominal size	Innerthread	Material	Art.-No.
MK 100	G 4“	Brass	5572 100100
MK 100	G 4“	Stainless steel	5563 100100

Tank truck caps
Type MB
for couplings Type VK. With eye for chains.

Nominal size	Gasket	Material	Art.-No.
MB 50	NBR	Alum. alloy	5576 050000
MB 50	NBR	Brass	5575 050000
MB 50	Hypalon	Stainless steel	5568 050000
MB 80	NBR	Alum. alloy	5576 075000
MB 80	NBR	Brass	5575 075000
MB 80	Hypalon	Stainless steel	5568 075000
MB 100	NBR	Alum. alloy	5576 100000

Plugs with hole for chain, Type VB
for sealingrings, Type MKV

Nominal size	Material	Art.-No.
VB 50	Alum. alloy	5574 050000
VB 50	Polyamide	5565 050000
VB 50	Stainless steel	5564 050000
VB 80	Alum. alloy	5574 075000
VB 80	Polyamide	5565 075000
VB 80	Stainless steel	5564 075000
VB 100	Alum. alloy	5574 100000

Steel spanners for tank-truck slotted nuts

Material: Steel

Outer ø coupling mm	Art.-No.
90 - 155	5566 090155

Chains

with S-Hooks

for Caps Type MB and Plugs Type VB

Length	Material	Art.-No.
300	Stainless steel	8553 000000

Tank truck seals flat

for couplings Type VK, MK and MKV

Nominal size	Material	Colour	Art.-No.
50	Vulkollan	brown	5582 050000
50	Teflon	white	5582 050008
80	Vulkollan	brown	5582 075000
80	Teflon	white	5582 075008
100	Vulkollan	brown	5582 100000

Tank truck seals flat

for sealingrings Type MKV

Nominal size	Material	Colour	Art.-No.
50	NBR	black	5582 050001
50	Vulkollan	brown	5582 050002
80	NBR	black	5582 075001
80	Vulkollan	brown	5582 075002
80	Hypalon	green	5582 075003
80	Teflon	white	5582 075004

Tank truck seals form-shaped

for sealingrings Type MKV

Nominal size	Material	Colour	Art.-No.
50	NBR	black	5583 050001
50	Vulkollan	blue	5583 050002
50	Hypalon	green	5583 050003
50	Viton	black	5583 050004
80	NBR	black	5583 075001
80	Vulkollan	blue	5583 075002
80	Hypalon	green	5583 075003
80	Viton	black	5583 075004

Tank truck seal-O-shaped

for unioncoupling Type MK

Nominal size	Material	Colour	Art.-No.
100	NBR	black	5582 100100

Threaded ferrules hosecouplings

with NPT-male thread

hose couplings for petrol-pump hoses. Chrome plated brass.

for hose inner ø mm	for hose outer ø mm	Male thread	Art.-No.
15	25	3/4“ NPT	5540 016019
19	31	3/4“ NPT	5541 019019
25	37	1“ NPT	5540 025025

Threaded ferrules hosecouplings

with BSP-female thread

hosecouplings for petrol-pump hoses. Chrome plated brass.

for hose inner ø mm	for hose outer ø mm	Female thread	Art.-No.
15	25	G 3/4“	5550 016019
15	25	G 1“	5550 016025
19	31	G 1“	5550 019025
25	37	G 1“	5550 025025

G=BSP=DIN ISO 228

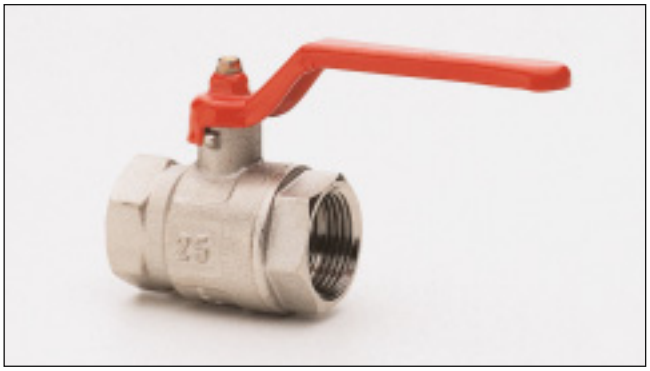
Ball valves

with standard flow, type 21600

both sides female thread

Valve	:	hot pressed brass
Ball	:	chromeplated hot pressed brass
Seal	:	Teflon/PTFE
Handle	:	Steel, red with plastic cover
Temperature range	:	-20°C / +150°C (depending on working pressure)

Female thread	Full flow mm	Build-in length mm	PN/bar	Unit packing Number	Art.-No.
G 1/4“	10	44,4	50	12	5241 006216
G 3/8“	10	44,4	50	12	5241 010216
G 1/2“	14	48	30	15	5241 013216
G 3/4“	18,5	53	30	8	5241 019216
G 1“	23,5	66	30	8	5241 025216
G 1.1/4“	30	76	25	4	5241 032216
G 1.1/2“	37	88	25	4	5241 038216
G 2“	47	103	20	2	5241 050216



Ball valves

with full flow, Type 9000

both sides female thread

Material: Valve : hot pressed brass
Ball : chromeplated hot pressed brass
Seal : Teflon/PTFE
Handle : Steel, red vernished
Temperature range : -15°C / +150°C
(depending on working pressure)

Female thread	full flow mm	build- in length mm	PN/bar	Unit packing Number	Art.-No.
G 1/4“	10	44,4	50	12	5240 006900
G 3/8“	10	44,4	50	12	5240 010900
G 1/2“	15	50,5	50	12	5240 013900
G 3/4“	20	57,5	40	8	5240 019900
G 1“	25	70	40	8	5240 025900
G 1.1/4“	32	80,5	30	4	5240 032900
G 1.1/2“	40	94	30	2	5240 038900
G 2“	50	112,5	25	2	5240 050900
G 2.1/2“	65	134,5	18	1	5240 063900
G 3“	80	157	16	1	5240 075900
G 4“	100	190	14	1	5240 100900

Ball valves

full flow, Type 9100

one side female thread, one side male thread

Material: Valve body : hot pressed brass
Ball : hard chromeplated brass
Seal : Teflon/PTFE
Handle : Steel, red vernished
Temperature range : -15°C / +150°C
(depending on working pressure)

Male/Female thread	full flow mm	build- in length mm	PN/bar	Unit packing Number	Art.-No.
G 1/4“	10	54	50	12	5245 006910
G 3/8“	10	54	50	12	5245 010910
G 1/2“	15	58,5	50	12	5245 013910
G 3/4“	20	66,5	40	8	5245 019910
G 1“	25	76,5	40	8	5245 025910
G 1.1/4“	32	91,5	30	4	5245 032910
G 1.1/2“	40	105	30	2	5245 038910
G 2“	50	122	25	2	5245 050910

3-way ball valves

with T-position, Type 12800
with L-position, Type 12900

3 inlets female thread

Material : valve ball : nickelplated brass
Ball : hard chromated brass
Seats : Teflon/PTFE
Handle : Aluminium red colour
Temperature range : -15°C / +150°C
(depending on working pressure)

T-position

Female thread	full flow mm	build in length mm	build in width mm	PN/ bar	Unit packing Number	Art.-No.
G 1/4“	10	77	58	25	4	5280 006128
G 3/8“	12	77	58	25	4	5280 010128
G 1/2“	14	77	58	25	4	5280 013128
G 3/4“	18	92	70	25	2	5280 019128
G 1“	23	104	80	25	2	5280 025128

L-position

Female thread	full flow mm	build in length mm	build in width mm	PN/ bar	Unit packing Number	Art.-No.
G 1/4“	10	77	58	25	4	5281 006129
G 3/8“	12	77	58	25	4	5281 010129
G 1/2“	14	77	58	25	4	5281 013129
G 3/4“	18	92	70	25	2	5281 019129
G 1“	23	104	80	25	2	5281 025129

Mini Ball valves

Material: valve body : chromeplated brass
Ball : hard chromeplated brass
Seats : Teflon/PTFE
Handle : Nylon, red
Temperature range : -30°C / +90°C

Type 77000 both sides female thread

Female thread	Bore flow mm	build- in length mm	PN/bar	Unit packing Number	Art.-No.
G 1/4“	8	40	15	20	5290 006770
G 3/8“	8	40	15	20	5290 010770
G 1/2“	10	46	15	20	5290 013770

Type 12600 male / female thread

Male/female thread	Bevor flow mm	build- in length mm	PN/ bar	Unit packing Number	Art.-No.
G 1/4“	8	39	15	20	5290 006126
G 3/8“	8	40	15	20	5290 010126
G 1/2“	10	48	15	20	5290 013126

Ball valves for gas
according DIN 3537

for industrial, pneumatic, domestic and hydraulic installations, hot-water, steam, gasoline, fuel, oils, gas-oil, kerosene, gas, acids, compressed air etc. For domestic applications of gas max. PN 1 bar. With both side female thread according DIN 2999

DVGW-admission number	:	94/122/85/668
Material: valve body	:	hotpressed brass
Ball	:	hard chromeplated brass
Seal	:	Teflon/PTFE
- O-rings	:	2 x Viton, 1x NBR
Handle	:	Steel, yellow vernished
Temperature range	:	-20°C / +60°C

Marking: **070 - DIN DVGW ADMISSION NO.. - G PN1**

Female thread	full flow mm	build- in length mm	PN/bar	Unit packing Number	Art.-No.
R 1/4“	10	49,5	50	12	5270 006001
R 3/8“	10	52,4	50	12	5270 010002
R 1/2“	15	75	50	12	5270 013003
R 3/4“	20	80	40	8	5270 019004
R 1“	25	90	40	6	5270 025005

Brass gate valves
Type 15700

both side female thread.
Handwheel in steel, red painted.

Female thread	Bore mm	build- in length mm	ø Hand-wheel mm	PN/bar	Unit packing Number	Art.-No.
G 1/4“	11,5	33	45	10	20	5230 006157
G 3/8“	13	33	45	10	20	5230 010157
G 1/2“	15	43	45	20	20	5230 013157
G 3/4“	19	46	45	20	20	5230 019157
G 1“	24	52	50	20	10	5230 025157
G 1.1/4“	32	58	55	20	10	5230 032157
G 1.1/2“	37,5	59	60	20	5	5230 038157
G 2“	48	67	70	20	5	5230 050157
G 2.1/2“	58	73	100	20	1	5230 063157
G 3“	72	84	100	20	1	5230 075157
G 4“	91	98	120	20	1	5230 100157

Type ABA standard

Norm: DIN 3017
Electro zinc plated screw and pre-electro
zinc plated steel band.
Painted housing. Material ensuring 3x better anti-corrosion
smooth edges to assure best protection for hose cover.

Spanner size: 7 mm

Diameter range mm	Bandwidth mm	Unit packing Number	Art.-No.
8 - 12	9	50	6060 008012
10 - 16	9	50	6060 010016
12 - 20	9	50	6060 012020
16 - 25	12	50	6060 016025
20 - 32	12	50	6060 020032
25 - 40	12	50	6060 025040
32 - 50	12	50	6060 032050
40 - 60	12	50	6060 040060
50 - 70	12		6060 050070
60 - 80	12		6060 060080
70 - 90	12		6060 070090
80 - 100	12		6060 080100
90 - 110	12		6060 090110
100 - 120	12		6060 100120
110 - 130	12		6060 110130
120 - 140	12		6060 120140
130 - 150	12		6060 130150
140 - 160	12		6060 140160
150 - 170	12		6060 150170
160 - 180	12		6060 160180
170 - 190	12		6060 170190
180 - 200	12		6060 180200
190 - 210	12		6060 190210
200 - 220	12		6060 200220
210 - 230	12		6060 210230
220 - 240	12		6060 220240
230 - 250	12		6060 230250
240 - 260	12		6060 240260
250 - 270	12		6060 250270
260 - 280	12		6060 260280
270 - 290	12		6060 270290
280 - 300	12		6060 280300
290 - 310	12		6060 290310

Type ABA acid clamps

Norm: SMS 2298
Smooth band inside and edged shoulders to protect hose cover. Band, house and hexagonal screw in stainless steel.

Material : 1.4436 - AISI 316
Spanner size : 7 mm

Diameter range mm	Bandwidth mm	Unit packing Number	Art.-No.
8 - 14	9	50	6061 008014
11 - 17	9	50	6061 011017
13 - 20	9	50	6061 013020

Type ABA stainless steel

Norm: SMS 2298
Smooth band inside, edged shoulders to protect hose cover.

Band and house in stainless steel: 1.4301 - AISI 304
Hexagonal screw in stainless steel: 1.4436 - AISI 316

Spanner size: 7 mm

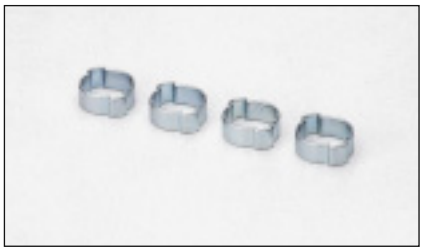
Diameter range mm	Bandwidth mm	Unit packing Number	Art.-No.
15 - 24	12	50	6062 015024
19 - 28	12	50	6062 019028
22 - 32	12	50	6062 022032
26 - 38	12	50	6062 026038
32 - 44	12	50	6062 032044
38 - 50	12	50	6062 038050
44 - 56	12	50	6062 044056
50 - 65	12		6062 050065
58 - 75	12		6062 058075
68 - 85	12		6062 068085
77 - 95	12		6062 077095
87 - 112	12		6062 087112
104 - 138	12		6062 104138
130 - 165	12		6062 130165
150 - 180	12		6062 150180
175 - 205	12		6062 175205
200 - 231	12		6062 200231
226 - 256	12		6062 226256
251 - 282	12		6062 251282
277 - 307	12		6062 277307

Worm drive hose clamps

Typ MIKALOR stainless steel

Norm : DIN 3017. Stainless steel AISI302/304.
Bandwith : 9 mm (ever since size 16-27 bandwidth 12 mm)
Spanner size : 7 mm

Diameter range mm	Unit packing Number	Art.-No.
8 - 16	200	6071 008016
12 - 22	200	6071 012022
16 - 27	50	6071 016027
20 - 32	50	6071 020032
25 - 40	50	6071 025040
32 - 50	50	6071 032050
40 - 60	50	6071 040060
50 - 70	50	6071 050070
60 - 80	50	6071 060080
70 - 90	50	6071 070090



Pincher clamps

Steel clamps, easy to fit with a pair of pinchers.

Range mm	Art.-No.
7 - 9	6030 007009
9 - 11	6030 009011
11 - 13	6030 011013
13 - 15	6030 013015
15 - 17	6030 015017
15 - 18	6030 015018
17 - 20	6030 017020
20 - 23	6030 020023
23 - 27	6030 023027
27 - 31	6030 027031
31 - 34	6030 031034
34 - 37	6030 034037

Malleable iron hoseclamps to DIN 20039 A

Plated malleable iron, two-bolted, dual gripping ridges.

Range mm	Art.-No.
20 - 29	6300 020029
28 - 34	6300 028035
32 - 40	6300 032040
39 - 49	6300 039049
48 - 60	6300 048060
60 - 76	6300 060076
77 - 94	6300 077094
94 - 115	6300 094115
113 - 127	6300 113127

Malleable iron hoseclamps

with safety claws DIN 20039 B

plated malleable iron, two-bolted, dual gripping ridges and safety claws

Range mm	Art.-No.
22 - 29	6305 022029
28 - 32	6305 028032
35 - 42	6305 035042

Safety clamps

Dropforged aluminium

Bolted safety clamps for assembling couplings with smooth hosetails and safety-collars. Complete with socket screws and nuts.

for hose inner ø mm	for hose wallthickness mm	Clamp reach mm	Art.-No.
19	6	30 - 33	5560 019006
25	6	36 - 39	5560 025006
32	6	43 - 46	5560 032006
38	6,5	50 - 52	5560 038065
38	8	53 - 56	5560 038008
50	8	64 - 67	5560 050008
50	10	69 - 71	5560 050010
63	8	78 - 82	5560 063008
75	8	89 - 93	5560 075008
75	10	94 - 97	5560 075010
100	8	114 - 119	5560 100008
100	10	118 - 122	5560 100010
100	12	122 - 126	5560 100012
150	10	168 - 174	5560 150010
150	13	174 - 180	5560 150013
200	12	222 - 229	5560 200012

Super-Clamps

Super hoseclamps

One bolt clamp, steel, with finished side to protect hose.
Zinc plate, chromated and passivated, steel bolt and nut.

Range-size mm	Bandwidth mm	Bandthickness mm	Unit packing Number	Art.-No.
26 - 28	18	0,6	100	6200 026028
29 - 31	20	0,8	50	6200 029031
32 - 35	20	0,8	50	6200 032035
36 - 39	20	0,8	50	6200 036039
40 - 43	20	0,8	50	6200 040043
44 - 47	22	1,2	50	6200 044047
48 - 51	22	1,2	50	6200 048051
52 - 55	22	1,2	50	6200 052055
56 - 59	22	1,2	50	6200 056059
60 - 63	22	1,2	50	6200 060063
64 - 67	22	1,2	50	6200 064067
68 - 73	24	1,5	50	6200 068073
74 - 79	24	1,5	25	6200 074079
80 - 85	24	1,5	25	6200 080085
86 - 91	24	1,5	25	6200 086091
92 - 97	24	1,5	25	6200 092097
98 - 103	24	1,5	25	6200 098103
104 - 112	24	1,5	25	6200 104112
113 - 121	24	1,5	25	6200 113121
122 - 130	24	1,5	25	6200 122130
131 - 139	26	1,7	25	6200 131139
140 - 148	26	1,7	25	6200 140148
149 - 161	26	1,7	20	6200 149161
162 - 174	26	1,7	20	6200 162174
175 - 187	26	1,7	15	6200 175187
188 - 200	26	1,7	15	6200 188200
201 - 213	26	1,7	15	6200 201213
214 - 226	26	1,7	15	6200 214226
227 - 239	26	1,7	15	6200 227239
240 - 252	26	1,7	15	6200 240252

Mikalor Supra

Super hoseclamps

One screw clamp with bevel-edged band and swivel band arch for easy assemblage. Band and housing in stainless steel (AISI 430) Screw in zinc plated steel.

Range-size mm	Bandwidth mm	Torque Nm	Unit packing Number	Art.-No.
17 - 19	18	7	50	6202 017019
19 - 21	18	7	50	6202 019021
21 - 23	18	7	50	6202 021023
23 - 25	18	7	50	6202 023025
25 - 27	18	7	50	6202 025027
27 - 29	18	7	50	6202 027029
29 - 31	20	9	50	6202 029031
31 - 34	20	9	50	6202 031034
34 - 37	20	9	50	6202 034037
37 - 40	20	9	50	6202 037040
40 - 43	20	9	50	6202 040043
43 - 47	20	9	50	6202 043047
47 - 51	20	12	50	6202 047051
51 - 55	20	12	25	6202 051055
55 - 59	20	12	25	6202 055059
59 - 63	20	12	25	6202 059063
63 - 68	20	12	25	6202 063068
68 - 73	25	22	25	6202 068073
73 - 79	25	22	25	6202 073079
79 - 85	25	22	25	6202 079085
85 - 91	25	22	25	6202 085091
91 - 97	25	22	25	6202 091097
97 - 104	25	22	25	6202 097104
104 - 112	25	22	25	6202 104112
112 - 121	25	22	25	6202 112121
121 - 130	25	22	25	6202 121130
130 - 140	28	34	10	6202 130140
140 - 150	28	34	10	6202 140150
150 - 162	28	34	10	6202 150162
162 - 174	28	34	10	6202 162174
174 - 187	28	34	10	6202 174187
187 - 200	28	34	10	6202 187200
200 - 213	28	34	10	6202 200213
213 - 226	28	34	10	6202 213226
226 - 239	28	34	10	6202 226239
239 - 252	28	34	10	6202 239252

Steel band clamps
Type 1, 1 - bolted
System Pa-Ri

Zinc-plated steel
Steel band: Width 20 mm x thickness 1 mm
Socket screw: M 6 x 45 / 8.8 G

Nominal size mm	Clamp reach mm	Art.-No.
35	31 - 35	6100 030036
40	35 - 40	6100 035041
45	40 - 45	6100 040046
50	44 - 50	6100 045051
55	49 - 55	6100 050056
58	53 - 59	6100 053059
60	54 - 60	6100 055061
65	59 - 65	6100 060067
70	64 - 70	6100 065072
75	69 - 75	6100 070077
80	74 - 80	6100 075082
85	79 - 85	6100 080087
90	84 - 90	6100 085092
95	89 - 95	6100 090097
100	94 - 100	6100 095102
105	99 - 105	6100 098109
110	104 - 110	6100 105112
115	109 - 115	6100 110117
125	119 - 125	6100 120127
145	140 - 147	6100 140147
155	150 - 157	6100 150157

Pa-Ri steel band clamps
Type 1A, 2 - bolted

zinc-plated steel
Steel band: Width 20 mm x thickness 1 mm
Socket screw M 6 x 45 / 8.8 G

Nominal size mm	Clamp reach mm	Art.-No.
65	57 - 69	6110 057067
70	62 - 74	6110 062074
75	67 - 79	6110 067079
80	72 - 84	6110 072084
85	77 - 89	6110 077089
90	82 - 94	6110 082094
95	87 - 99	6110 087099
100	92 - 104	6110 092104
105	97 - 109	6110 097109
110	102 - 114	6110 102114
115	107 - 119	6110 107119
120	112 - 124	6110 112124
125	117 - 129	6110 117129
130	122 - 134	6110 122134
135	127 - 139	6110 127139
140	132 - 144	6110 132144
145	137 - 149	6110 137149
150	142 - 154	6110 142154
155	147 - 159	6110 147159
160	152 - 164	6110 152164
170	162 - 174	6110 162174

Pa-Ri steel band clamps with socket screws Type 2A, 2 bolted

Zinc-plated steel
Steel band: Width 25 mm x thickness 1 mm
Socket screw M 8 x 60 / 8.8 G

Nominal size mm	Clamp reach mm	Art.-No.
90	82 - 98	6120 082098
95	87 - 103	6120 087103
100	92 - 108	6120 092108
105	96 - 113	6120 096113
110	100 - 118	6120 100118
115	105 - 123	6120 105123
120	110 - 128	6120 110128
125	115 - 133	6120 115133
130	120 - 138	6120 120138
135	125 - 143	6120 125143
140	130 - 148	6120 130148
145	135 - 153	6120 135153
150	140 - 158	6120 140158
155	144 - 163	6120 144163
160	148 - 168	6120 148168
165	155 - 173	6120 155173
170	160 - 178	6120 160178
175	165 - 183	6120 165183
180	170 - 188	6120 170188
185	175 - 193	6120 175193
190	180 - 198	6120 180198
195	185 - 203	6120 185203
200	190 - 208	6120 190208
210	200 - 218	6120 200218
215	205 - 223	6120 205223
220	210 - 228	6120 210228
227	217 - 235	6120 217235
230	220 - 238	6120 220238
235	225 - 243	6120 225243
240	230 - 248	6120 230248
250	240 - 258	6120 240258
255	245 - 263	6120 245263
260	250 - 268	6120 250268
270	260 - 278	6120 260278
275	265 - 283	6120 265283
290	280 - 298	6120 280298
300	290 - 308	6120 290308
310	300 - 318	6120 300318
315	305 - 323	6120 305323

Pa-ri stainless steel band clamps with socket screws Type 1, 1 bolted, V2A

In stainless steel, Material 1.4301 (AISI 304)
Steel band: Width 20 mm x thickness 1 mm.
Socket screw M 6 x 45

Nominal size mm	Clamp reach mm	Art.-No.
33	28 - 34	6170 025031
35	30 - 36	6170 030036
40	35 - 41	6170 035041
45	40 - 46	6170 040046
50	45 - 51	6170 045051
55	50 - 56	6170 050056
60	55 - 61	6170 055061
65	60 - 66	6170 060066
70	65 - 72	6170 065072
75	70 - 77	6170 070077
80	75 - 82	6170 075082
85	80 - 87	6170 080087
90	85 - 92	6170 085092
95	90 - 97	6170 090097
100	95 - 102	6170 095102
110	105 - 112	6170 105112
120	115 - 122	6170 115122
130	125 - 132	6170 125132
135	130 - 137	6170 130137
140	135 - 142	6170 135142
150	145 - 152	6170 145152
160	155 - 162	6170 155162
170	165 - 172	6170 165172
180	175 - 182	6170 175182
190	185 - 192	6170 185192
200	195 - 203	6170 195203

Other clamp reaches and/or in V4A Material 1.4571 (AISI 316) upon request available.

Pa-Ri stainless steel band clamps with socket screws Type 1A, 2 bolted, V2A

In stainless steel, Material 1.4301 (AISI 304)
Steel band: Width 20 mm x thickness 1 mm
Socket screws M 6 x 45

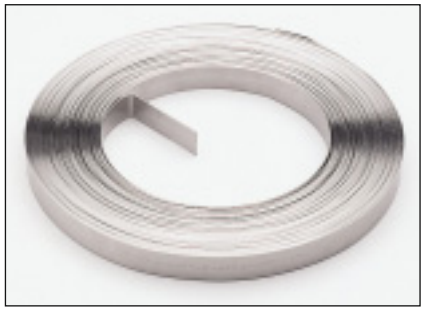
Nominal size mm	for hose outer ø mm	Art.-No.
50	42 - 54	6180 042054
55	47 - 57	6180 047057
60	52 - 64	6180 052064
65	57 - 69	6180 057069
70	62 - 74	6180 062074
75	67 - 79	6180 067079
80	72 - 84	6180 072084
85	77 - 89	6180 077089
90	82 - 94	6180 082094
95	87 - 99	6180 087099
100	92 - 104	6180 092104
110	102 - 114	6180 102114
115	107 - 119	6180 107119
120	112 - 124	6180 112124
130	122 - 134	6180 122134
140	132 - 144	6180 132144
150	142 - 154	6180 142154
160	152 - 164	6180 152164
170	162 - 174	6180 162174
175	167 - 179	6180 167179
180	172 - 184	6180 172184
190	182 - 194	6180 182194
200	192 - 204	6180 192204
225	217 - 229	6180 217229
270	262 - 274	6180 262274

Other clamp reaches (till 2000 mm) and/or in V4A Material 1.4571 (AISI 316) upon request available.

Assembly tool for strap-assemblies

for strapping-width from 1/4“ till 3/4“

	Art.-No.
	6035 000000



Strapping stainless steel

for hand-held screw action tools

Standard coils: 30,5 mtr.

Width	Width mm	Art.-No.
1/4“	6,3	6035 006000
3/8“	9,5	6035 010000
1/2“	12,7	6035 013000
5/8“	15,9	6035 015000
3/4“	19	6035 019000

Buckles stainless steel

Standard unit: 100 pieces

for Bandwidth	Art.-No.
1/4“	6040 006000
3/8“	6040 010000
1/2“	6040 013000
5/8“	6040 015000
3/4“	6040 019000

Teflon Tape

for threaded-sealings

Width: 12 mm Thickness: 0,1 mm

	Art.-No.
	7500 001008

Hosecutter Victor VC 28

for cutting hoses upto 38 mm outside diameter.

With reusable blades.

	Art.-No.
Hosecutter	5001 028000
Spare blades	5002 028000

A

Agriflat 18
Airbrake 34
Airflex 39
Airflex/PU 40
Airflex/PU/AS 40
Alimentari 28
Antiabrasivo/AS 43
Aquafit 28
Aquafit/Extra 28
Aquapal 29
Ariacord/DIN 34
Ariacord/Yellow 34
Ariaform 33
Ariaform/DIN 33
Ariaform/TPU 32
Ariaform/Yellow 33
Armoflex 22
Armoflex/Food 29
Armoflex/HP 21
Armoflex/Oil 52
Armoflex/PU 41

B

Betoncord/10 45
Betoncord/40 45

C

Calorform 15
Carbocord/10 51
Carbocord/EN 51
Carboflat/16 51
Carboflex/10 54
Carboflex/EN 54
Carboflex/Grecato 52
Carboflex/HP 53
Carboflex/Ohm 53
Carboform 50
Carboform/EN/ISO 49
Carboform/PD 50
Cavocord 37
Corrosiv/EN 55
Corrosiv/SP/EN 55
Cosmo 20
Cosmo/Elastico 20

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Dehatherm 19
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F

Feinriefenmatten 57

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Saldaform/Rot 35/36
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Sciroppo/PU/AS 41
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Silocord/Alim 48
Silocord/Alim/SP 48
Silocord/SP 47
Silocord/Spezial 46
Silocord/Spezial/SP 47
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Siloflat/Auslauf 47
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Superchem/XLPE 56
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Ventilazione/LDA 38

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