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General terms and conditions

I. Validity/Offers

1. These General Conditions of Sale (“Conditions”) shall apply to all present and future contracts with entrepreneurs, governmental entities, or special governmental estates in the meaning of sec. 310 para. 1 BGB (German Civil Code) in regard to deliveries and other services rendered. Buyer’s pur-chase conditions shall not be binding, even if we do not expressly object to them again after their receipt.
2. Our offers are subject to change without notice. Any agreements, especially oral collateral agreements, promises, guaranties and other assurances given by our sales staff before or at con-clusion of the contract shall be binding only once they have been confirmed by us in text form.
3. Commercial terms such as „EXW“, „FOB“ and „CIF“ shall be interpreted in accordance with the INCOTERMS in their current version.

II. Prices

1. Our prices are free our business, excluding packaging, unless something else is agreed upon. Statutory Value Added Tax will be added.
2. If the items are to be delivered packaged, we will charge the packaging at cost price. We will take back the packaging delivered according to statutory provisions if it is returned to us freight free with-in a reasonable period of time.

III. Payment and Set-Off

1. Payment shall be made immediately without cash discounts so that we can dispose of the sum on the due date. Unless otherwise agreed, our invoices are due 14 days from date of invoice. . The payment must take place so that the amount invoiced is available to us at the latest on the due date. The Buyer will be in default at the latest 10 days after payment is due and without the need for a re-minder.
2. Cash discount periods granted shall begin with the invoice date. Any cash discount agreed to al-ways applies to the value of the invoice excluding freight and has a prerequisite that all amounts due by the Buyer have been paid at the time of the discount.
3. Invoices for amounts under EUR 50.00 as well as for assembly, repairs, forms and tooling costs are due immediately without deductions.
4. Counterclaims which we have contested or which have not yet been legally determined to be final and conclusive do not entitle Buyer to withhold or offset payments. This shall not apply if the coun-terclaims result from the same contractual relation and/or would entitle the Buyer to refuse the ful-filment of his contractual obligations under Section 320 of the German Civil Code.
5. When payment is not on time, at the latest by default, we are authorized to invoice interest at the level of the appro-priate bank rate for overdraft credits, at a minimum, however, at the statutory de-fault interest. Additionally, we charge a default allowance of EUR 40.00. A claim for further damages due to this delay remains reserved.
6. Should it become evident after the conclusion of the contract, that payment is jeopardised by the Buyer’s ability to perform, or should other circumstances arise which show a material deterioration in the Buyer’s ability to perform we are entitled to refrain from any further performance and exercise the rights of Sec. 321 of the German Civil Code. This also applies in case the performance of our con-tractual obligation is not yet due. In such cases, we are also authorised to make due any and all of our accounts receivable resulting from the same legal relationship. Buyer’s ability to perform shall be deemed jeopardised also if the Buyer is for at least three weeks in default with a considerable portion (10% or more) of the amounts due; further, in case of a considerable downgrading of his existing credit limit by our credit insurance.

IV. Delivery Deadlines

1. Delivery deadlines and dates are considered to have been met when the goods have left our plant by the time due.
2. Our commitment to deliver is subject to our correct and timely self-delivery unless we are respon-sible for the deficient or late self-delivery.
3. Force majeure events entitle us to postpone the deliveries for the period of the hold-up and an appropriate start-up time. This also applies if such events occur during a present default. Force majeure is the equivalent of monetary or trade measures or other acts of sovereignty, strikes, lock-outs, breakdowns not caused by us, obstruction of transport routes, delays in clearing the goods for import and in customs clearance as well as of all other circumstances, that essentially impede or render the deliveries and performances impossible, without being caused by us. Thereby, it is irrele-vant if the circumstances occur at our place, the delivering plant or at another presupplier. If perfor-mance becomes unacceptable for one of the parties due to the abovementioned events, this party shall be able to withdraw from the contract by instant declaration in text form.

V. Retention of Title

1. All goods delivered by us remain our property (Reserved Property) until all claims arising from our business contacts have been settled, regardless of the origin of the claims and including future or conditional claims (current account reservation). The current account reservation is not applicable in in prepayment or delivery vs payment cases.In these cases, the goods remain our property until the purchase price for these goods has been paid in full.
2. With regard to processing or manufacturing of the Reserved Property, we shall be deemed to be manufacturer within the meaning of § 950 BGB (German Civil Code) without committing us in any way. The processed or manufactured goods shall be regarded as Reserved Property within the meaning of clause V/1 of these Conditions. When the Buyer processes, combines or mixes the re-served goods with other goods, we retain co-ownership in the new product in the relation of the in-voice value of the reserved goods to the invoice value of the other goods produced. If our property disappears due to combination or mixture, the Buyer transfers to us already his property rights in the new goods or items in relationship to the invoice value of the reserved goods and will retain them for us without cost. The resulting co-owner-ship counts as Reserved Property in the meaning of Section V/1 of these Conditions.
3. The Buyer may re-sell the Reserved Property only in his normal business relations and to normal business conditions as long as he is not in arrears and only on the condition that the claims from the related sale are transferred to us accor-ding to Sections V/4 to V/6 of these Conditions. He is not authorized to use the Reserved Property for any other purpose.
4. The claims of the Buyer from the further sale of the Reserved Property count already as trans-ferred to us. They count, in the same relationship, as security as does the Reserved Property. If the Reserved Property is sold by the Buyer together with other goods not sold by us, the assignment of the claim from the further sale is only in the amount of the sales value of the Reserved Property. With the sale of goods on which we have co-ownership according to Section V/2 of these Conditions, the assignment of the claim is in the amount of this co-ownership.
5. The Buyer is authorized to collect claims from the further sale until we exercise our rights of revo-cation at any time. In addition, when Buyer defaults in payment we are entitled, after expiration of an appropriate extension period, to take back the goods delivered and to request that they not be sold or processed. This taking back shall not constitute a withdrawal from the contract. At our request, the Buyer is required to inform his customers immediately about the assignment to us – as far as we do not do it ourselves – and to provide us with the necessary information and details to accomplish col-lection.
6. The Buyer must inform us immediately about any seizure or other adverse actions on the part of third parties.
7. Should the value of the existing securities exceed the value of the secured claims by more than 50 %, we are required to release securities of our choice upon demand of the Buyer.

VI. Carrying out Deliveries

1. When the goods are handed over to a forwarding agent or a carrier, at the latest, however, when the goods leave the warehouse or – with direct sales – the supplying plant, the risk is transferred to the Buyer in all cases, even those which are prepaid or free house deliveries. The Buyer must bear the responsibilities and costs of unloading. We shall obtain insurance only at the instruction of and at the cost of the Buyer.
2. We are permitted to make partial deliveries in reasonable amounts. With goods we produce, deliv-eries are permitted which are up to 10 % more or less than the quantity ordered.
3. With call contracts, we are permitted to produce or have the total quantity produced at one time. Any changes desired cannot be considered after the order has been given unless this has been spe-cifically agreed to. Unless there is a firm agreement, call up times and quantities can only take place according to our supply or manufacturing capabilities. Should the goods not be called according to the contract, after a reasonable additional period of time we are authorized to invoice them as having been delivered.
4. For business with continuous deliveries we must receive release orders and type categories for roughly the same amount per month. If the release orders or type categories are not given on time, we are entitled after the expiry of a fixed period to make the type categories and deliver the goods or to cancel the outstanding part of the contract and demand compensation instead of payment. At the end of the contract, Buyer has to accept and pay for the remaining goods on stock.

VII. Liability for Defects

1. Any of properties of the goods, in particular to their quality, grade and measures will follow the agreed standards and, in default of such an agreement, any DIN and EN-standards which may be applicable at the time of the conclusion of the contract, and in absence of such standards the trade use and practice. Any reference to standards and to similar guidelines as well as to quality, grade, measure, weight and usage of the goods, any information given in drawings and illustrations as well as any predictions given in our advertising material shall not be regarded as representations or guaranties, unless we have expressly referred to them in text form. The same shall apply to declara-tions of conformity and to similar characteristics such as CE and GS signs. The Buyer shall bare any risks as to the suitability and usage of the goods.
2. As to the Buyer’s obligations to examine the goods and to notify us of any defects, the statutory provisions of the German HGB (Commercial Code) shall apply, subject to the following conditions:
- The Buyer shall examine the goods immediately after delivery with regard to the properties relevant for the use of the goods and shall notify us in text form of any defects of the goods immediately thereafter. In case the Buyer intends to install the goods into another object or attach the goods to another object, the properties relevant for the installation or the attach-ment include the inner properties of the goods. The Buyer’s obligation to examine the goods exists even in cases where an inspection certificate or any other material certificate is pro-vided. Defects which, even upon most careful inspection, cannot be discovered immediately after delivery must be notified to us in text form immediately after their discovery.
- In case the Buyer, in the event of an installation of the goods into another object or attach-ment of the goods to another object, fails to inspect the properties of the goods relevant for the designated end use at least at random prior to installation resp. attachment (e.g. by func-tion tests or a trial installation), this represents a particularly grave disregard of the care re-quired in the ordinary course of business (gross negligence) in relation to us. In such a case, the Buyer may assert any rights in relation to these properties only if the defect had been deliberately concealed or in case of a guarantee for the respective quality of the goods.
3. In case the Buyer discovers defects of the goods when inspecting the goods or thereafter, he shall make the defective goods or samples thereof available to us in order to give us the possibility to convince ourselves of the defect within a reasonable period of time. Otherwise, the Buyer cannot claim that the goods are defective.
4. In case the goods are deficient, the Buyer shall be entitled to his statutory rights under the Ger-man BGB (Civil Code) - subject to the conditions that we shall be entitled to choose between repair and delivery of substitute goods and that minor (insignificant) defects shall limit the Buyer’s rights only to reduce the purchase price (reduction).
5. In case the Buyer has installed the goods, in accordance with the goods’ type and designated use, into another object or attached the goods to another object, he may claim reimbursement of his nec-essary costs for the dismantling of the defective goods and the installation or attachment of goods free from defects (“dismantling and installation costs”) only in accordance with the following provi-sions:
- Necessary dismantling and installation costs are only those, which directly result from the dismantling resp. removal of the defective goods and the installation resp. attachment of identical goods, have accrued on the basis of competitive market prices and have been proven by the Buyer by appropriate documents in text form.
- Additional costs of the Buyer for consequential damages such as e.g. loss of profit, down time costs or additional costs for cover purchases are no dismantling and installation costs and therefore not recoverable under Sect. 439 para. 3 of the German Civil Code. The same applies for sorting costs and for supplementary costs resulting from the fact that the sold and delivered goods are at a place other than the agreed place of delivery.
- The Buyer is not entitled to request advance payments for dismantling and installations cost or other expenses required for the remedy of the defective delivery.
6. In case, on an individual basis, the costs incurred by the Buyer for the remedy of the defective delivery are disproportionate, namely with regard to the purchase price of the goods being free from defects and under consideration of the importance of the infringement of the contract, we are entitled to refuse the reimbursement of such costs. Disproportionate costs are especially given in case the costs requested by the Buyer, in particular dismantling and installation costs, exceed 150 % of the purchase price of the goods invoiced by us or 200 % of the value of the defective merchandise.
7. In accordance with Section VIII of these Conditions, additional claims are not acceptable. This applies in particular to claims for
- damages which did not occur to the goods themselves (consequential damages),
- costs of the Buyer related to the self-remedy of defects without the legal requirements being fulfilled and
- dismantling and installation costs, in case due to a transformation undertaken by the buyer before the installation of the goods into another object or before attachment of the goods to another object, the installed or attached goods provide substantially different features than the original goods delivered by us or have been transformed to new products.
8. An unjustified request to remedy an alleged defect entitles us to claim compensation for damages or costs incurred if the Buyer could have recognized upon careful inspection that the goods were not defective.

VIII. General Limitations of Liability and Statute of Limitations

1. We are liable for breach of contractual and non-contractual duties, especially those due to impos-sibility, delay, false advice, culpa in contrahendo and tortuous acts – also those of our managerial staff and other personnel – only in cases of intent or gross negligence and shall in case of gross negligence be limited to forseeable losses and damages characteristic for the type of contract in question.
2. The restrictions in VIII.1 shall not apply to such cases where we breach our essential contractual obligations. Considered essential to the contract are the obligations for prompt supply free of defects and duties of consultation, protection and care which serve the
purpose of protecting Buyer or its personnel against considerable damages. The restrictions shall neither pertain to damages to life, to the body or to health caused by our fault nor to any cases where we have guaranteed certain characteristics of the goods. Nor shall such clause affect our statutory liability laid down in the Product Liability Act. Any statutory rules regarding the burden of proof shall remain unaffected by the aforesaid.
3. Should we default on a delivery of performance, the Buyer shall be entitled to damages due to this delay; in case of slight negligence, however, the claim of the Buyer is restricted to maximum 10 % of the agreed purchase price for the performance in default. The rights of the Buyer for damages in-stead of performance in accordance with No. VIII.1 and VIII.3 remain unaffected by the aforesaid.
4. Unless otherwise agreed to, any contractual claims which the Buyer is entitled to in connection with the delivery of the goods shall fall under the statute of limitations within a period of one year after the goods have been delivered to the Buyer. This shall not apply insofar as Section 438 para. 1 No. 2, Section 478, 479 or Section 634 lit a) para. 1 No. 2 of the German Civil Code BGB require longer limitation periods, in cases of injuries to life, body and health, breaches of contract caused by our wrongful intent or by our gross negligence or in cases where a defect is fraudulently concealed. Our substitute deliveries shall not cause the renewal of the initial limitation period.

IX. Copyrights

1. We reserve our property and our copyrights of all cost estimates, drafts, drawings and other sup-porting papers. They may be made available to third parties only after our agreement. Drawings and other supporting documents relating to offers must be returned at our request.
2. So far as we have delivered items according to drawings, models, samples or other supporting documents supplied by the Buyer, he takes over the liability that protected rights of third parties have not been damaged. If third parties, with reference to protected rights, do not permit the manufacture and delivery of those types of items, we are permitted – without being required to check the legal situation – to stop all further activities and to request damages when the Buyer is liable. In addition, the Buyer is responsible to immediately hold us free from all claims of third parties in this connec-tion.

X. Test Parts, Forms, Tooling

1. If the Buyer is required to provide parts to complete the order, they must be delivered free of cost to the place of production in the required quantity, or with an additional quantity to cover any scrap, on time, without cost and free of any defects. If this does not occur, any resulting costs and other consequences will be for his account.
2. The construction of experimental parts, including the costs for forms and tools are for the account of the Buyer.
3. Our liability for tools, forms and other manufacturing devices provided by the Buyer is limited to the care which we would normally apply in our own affairs. The Buyer takes over the cost for maintenance and repair. Our safekeeping responsibility ends – independently of the ownership rights of the Buyer – at the latest two years after the last manufacturing using the form or tool.

XI. Place of Performance, Jurisdiction and Applicable Law

1. The place of performance for our deliveries, for subsequent performance and for payments of the Buyer is the place of our warehouse. The place of jurisdiction is the location of our main place of business. We may also sue the Buyer at his domicile.
2. In addition to these Conditions, German law shall apply for the legal relationships between us and the Buyer, excluding the provisions of the United Nations Convention on Contracts for the Interna-tional Sale of Goods from 11.04.1980 (CISG).

XII. Authoritative Version

In case of doubt, the German version of these General Conditions of Sale shall prevail.

Operating instructions for hose assemblies

General information

Note: In accordance with the law regarding safety and health protection when using work equipment, the hose assembly can be both work equipment and a system part requiring monitoring (German Ordinance on Industrial Safety and Health, the Betriebssicherheitsverordnung or BetrSichV). The guidelines of the BetrSichV must be observed by the owner/operator and the employer and a risk assessment must be created for the hose assembly in use.

Proper use

- Pressure: Do not allow the pressure to exceed the maximum permitted positive operating pressure of the hose assembly.
- Vacuum: Do not allow the pressure to drop below the maximum permitted negative operating pressure of the hose assembly.
- Temperature: Do not allow the temperature to exceed the maximum permitted operating temperature of the hose assembly based on the medium. This must be checked for all hose assembly components using the available list of resistance characteristics.
- Resistance: Hose assembly materials must be resistant to the flowing media under operating conditions. This must be checked using the available list of resistance characteristics. Changes to the medium concentration, the duration of operation and on the temperatures affect the safe operation of the hose assembly. This absolutely must be taken into account during operation.
- In the event of any abrasion, the wear on the hose assembly must be taken into account and checked regularly.
- If the ordering party has not provided any specific operating parameters that can be used by the manufacturer to perform a conformity assessment in accordance with the Pressure Equipment Directive (2014/68/EU), then the classification from the manufacturer shall apply.
- So that hose assemblies can be operated safely, technical, organizational and personal protective measures must be taken. Technical and organizational measures are always take priority. If this does not make it possible to avoid all dangers, effective personal protective equipment must be provided and used.

Responsibility of the employer (owner/operator)

Hose assemblies are considured to be work equipment where the testing requirements and inspection intervals must be determined by the employer (owner/operator) in a risk assessment (see BetrSichV).

The hose assembly and fittings must fit together in a functional way and functional safety must be confirmed with a suitable test procedure (e.g. hydrostatic requirements in accordance with DIN EN ISO 1402).

Observe the trade association data sheet T002 (= DGUV information 213-053) of the Raw Material and Chemical Industry Trade Association (BG RCI), issued 9/2014.

Transport and storage

Hose assemblies must not be damaged during transport or because of storage. It is particularly important to make sure that:

- **they are stored in a cool, dry and dust-free place out of direct sunlight or UV light and shielded from nearby heat sources. Hose assemblies must not come into contact with substances that could cause a damaging effect.**
- **Hose assemblies are stored lying down at all times without tension or kinks. If stored in coils, the radius of the hose must not be less than the minimum bending radius specified by the hose manufacturer.**
- **Hose ends are sealed with protective caps to protect the inside of the hose from contamination, the effects of ozone and corrosion (after complete discharge or cleaning and after the hose assembly has cooled down).**
- **Influencing factors that could damage the hose assemblies (e.g. effects of halides, extraneous rust or flash rust, mechanical stress) are eliminated.**
- **Appropriate transport packaging is used.**

DIN 7716, T002 (DGUV Information 213-053) and DGUV regulation 113-015 (formerly BGR 237) are among the regulations to be observed.

Installation and commissioning

In order to ensure the functional capability of the hose assemblies and to avoid reducing their operating life through excessive stress, the following is to be observed:

- Perform „testing before commissioning“ (in accordance with T002, §§ 14 and 15 BetrSichV).
- Do not operate the hose assembly if there is visible damage.
- Do not operate hose assemblies that have exceeded their inspection intervals.
- Hose assemblies must be installed in such a way that their natural positioning and movement are not impaired.
- Hose assemblies must never be subjected to tension, torsion or compression unless they were specifically designed for such use.
- The radius of the hose must not be less than the minimum bending radius specified by the hose manufacturer.
- Hose assemblies must be protected against damage due to mechanical, thermal or chemical effects.
- All separable connections must be checked to ensure that they are firmly seated.
- Before commissioning, hose assemblies must be cleaned in an appropriate manner if necessary.
- TRBS 2153, regarding electrostatic hazards, „Avoiding danger of ignition from the build-up of electrostatic charges“ is to be observed and followed.

Maintenance, repair and inspection

Cleaning: The hose assembly is to be cleaned properly after each use and before every inspection. In the event of cleaning with steam or chemical additives, the resistance characteristics of the hose assembly components must be observed. Note: The use of steam lances is prohibited.

Inspection intervals: The inspection intervals for hose assemblies with mandatory inspections are to be set by the employer (owner/operator) in accordance with BetrSichV guidelines as part of the risk assessment in accordance with § 3 BetrSichV. The work-safe condition of hose assemblies with mandatory testing is to be checked on a recurring basis by an individual qualified to perform the tests in accordance with BetrSichV § 2, Paragraph 6:

- At regular intervals after the initial commissioning: The inspection interval is determined by the risk assessment of the employer, e.g. at least once per year for thermoplastic and elastomer hose assemblies, at least twice per year for steam hoses. Higher use (e.g. mechanical, dynamic, thermal, and chemical) requires shorter inspection intervals.
- Regardless of inspection intervals, the hose assembly is always to be inspected after any repair.

Testing pressures for the strength test (medium: cold water):

- Hose assemblies (excluding steam hose assemblies): max. permissible pressure (PS) x 1.5
- Steam hose assemblies made of elastomers: max. permissible pressure (PS) x 5

In the case of metal corrugated tubes, the chlorine content of the test water must not exceed the level specified by DIN EN ISO 10380.
Scope of testing: Type and scope of testing (strength test, visual check, test of electric conductivity, etc.) are regulated in BetrSichV, TRBS 1201 and T002 (DGUV Information 213-053). The test is to be performed in accordance with BetrSichV § 14, Paragraph 2, by an individual qualified to perform the test in accordance with TRBS 1203. The result of the test is to be documented.
Repairs: In the event of damage (leaks, cracks in the cover, kinks, abrasion points, etc.), the hose assembly must be taken out of operation immediately and further use must be prevented. Repairs to hose assemblies must be performed only using original replacement parts from the hose assembly manufacturer and performed by qualified personnel, and must be followed by testing by an individual qualified to perform the testing in accordance with the BetrSichV. The result of the test is to be documented.

Expected useful life

Hose assemblies are wearing parts with a limited service life. The expected useful life is influenced by storage conditions, the amount of strain placed on each hose assembly and the operating factors. It is impossible to make a general statement regarding the expected useful life. Depending on the hazard potential, load and economic relevance, the determination of fixed recurrent testing and replacement intervals is strongly recommended.

The extent to which a hose assembly is still usable under given operating conditions is decided as part of recurrent testing performed by an individual qualified to perform such testing. If damage is detected on a hose assembly between testing intervals, the hose assembly must be taken out of operation immediately and further use must be prevented.

Damage prevention

- Hose assemblies may be used only in accordance with their intended purpose and must not be abused (e.g. used as pulling cables, climbing aids, etc.).
- Hose assemblies must not be disconnected whilst under pressure (exception: coupling systems intended for this use, e.g. dry-break-couplings).
- Heat sources must be kept away from hose assemblies.
- Hose assemblies must be properly cleaned before a change of medium to avoid cross-contamination.
- Do not place hose assemblies in the path of vehicles (protect them from being driven over).
- Movable loading and tanks must be fixed and secured for the loading process (e.g. tank cars, ships, tanker vehicles).
- Only valves permitted by the DIN EN 14423 are to be used for steam hose assemblies made of elastomers.
- Classification systems can be used to eliminate any confusion of hose assemblies (e.g. lock-and-key principle, encoding, color-coding, engravings).
- Hose assemblies due to be subjected to recurring testing at regular intervals in accordance with their risk assessments.

Disposal

Hose materials and valves that are no longer usable must be disposed of properly in accordance with the regulations of the respective municipality.

The follow hose assembly types are a selection of hose assemblies requiring special considerations:

Steam hose assemblies

- Ensure complete emptying of condensation in order to prevent structural damage to the elastomer hose (popcorning), which is caused by water penetrating into the inner layer and evaporating when steam is applied to the hose assembly again.
- Do not use steam hose assemblies for other products.
- Avoid negative pressure, occured from the cooling of a hose hose assembly which is closed on both ends.
- Take protective measures with respect to surface temperatures (risk of burns).
- Narrowing cross-sections are to be avoided (risk of overheated steam).

Metal corrugated hoses

- For metal corrugated tubes that are not furnished with a heat-insulating exterior shell, there is an increased risk of injury at higher temperatures due to heat conductivity.
- Metal corrugated hoses are sufficiently conductive without additional measures.
- Pay particular attention to damage to the wire braid and to deformation of the hose, e.g. kinks.
- Make sure to avoid any exposure to halogens, extraneous rust or flash rust at any time.

Food hose assemblies

- Food hose assemblies must always be properly cleaned before use.
- Only cleaning agents suitable for both the inside and outside of the hose assemblies may be used (pay attention to resistance characteristic, temperature and cleaning duration). The provisions of the hose assembly component manufacturer must be observed.
- Food hose assemblies must be steamed exclusively in open systems.

For the proper use of hose assemblies, the comprehensive notes in the trade association data sheet T002 (DGUV Information 213-053), the Pressure Equipment Directive (PED), the German Ordinance on Industrial Safety and Health (BetrSichV) and the TRBS 1201 „Tests of work equipment and systems requiring monitoring“ due be observed all the time.

For hose assemblies of special construction or for intended uses that could not be covered here, the separate manufacturer provisions must be observed (e.g. sandblasting, liquid gas, heating hose assemblies).

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Hoses

Bulk Material Delivery Hoses, black

Delivery hose for cement, grain, animal food and other abrasive products.
Cover: SBR, black, resistant against abrasion, ozone and ageing.
Reinforcements: textile wrapped.
Tube: NR/SBR/BR, black, smooth, highly resistant against abrasion, electrically conductive.
Temperature range: -35°C to +80°C.
Coil length: 40 m, cut lengths available.

Size	Wall thickness	Nominal pressure	Abrasion, ISO	Remark	Part number
DN 50	8 mm	10 bar	< 50 mm³	with reinforced copper wire	010 010009
DN 75	9 mm	6 bar	< 70 mm³		010 010022
DN 75	9 mm	6 bar	< 55 mm³	with reinforced copper wire	010 010015
DN 75	9 mm	4 bar	< 50 mm³	with reinforced copper wire	010 010010
DN 75	9 mm	6 bar	< 40 mm³	type SOSH	010 150000
DN 75	11 mm	6 bar	< 55 mm³		010 158276
DN 75	11 mm	6 bar	< 55 mm³		010 010113
DN 75	11 mm	4 bar	< 50 mm³		010 010100
DN 75	11 mm	6 bar	< 40 mm³	with reinforced copper wire	010 150003
DN 80	9 mm	4 bar	< 50 mm³	with reinforced copper wire	010 010030
DN 90	10 mm	4 bar	< 50 mm³	with reinforced copper wire	010 010040
DN 100	10 mm	3 bar	< 70 mm³	with reinforced copper wire	010 010061
DN 100	12 mm	6 bar	< 55 mm³	especially recomended for roof greening	010 150015
DN 100	11 mm	6 bar	< 50 mm³	especilally recommended for coal (powdery)	010 010060
DN 100	11 mm	6 bar	< 40 mm³	with reinforced copper wire, type SOSH	010 150010
DN 110	11 mm	3 bar	< 50 mm³	with reinforced copper wire	010 010070

Other dimensions and versions available

Bulk Material Delivery Hoses, Layflat, black

Extention hose, rollable, for cement, grain, animal food and other abrasive products.
Cover: SBR, black, resistant against abrasion, ozone and aging.
Reinforcements: textile wrapped.
Tube: NR/SBR/BR, black, smooth, highly resistant against abrasion, electrically conductive.
Temperature range: -35°C to +80°C.
Coil length: 30 and 40 m, cut lengths available.

Size	Wall thickness	Nominal pressure	Abrasion, ISO 4649	Remark	Part no.
DN 52	2,5 mm	15 bar		cover with wear protection, up to 100°C	010 010925
DN 75	2,5 mm	15 bar		cover with wear protection, up to 100° C	010 010927
DN 75	4,5 mm	7 bar	< 50 mm³	with reinforced copper wire	010 010083
DN 75	4 mm	6 bar	< 40 mm³	type SOSH	010 158274
DN 90	6 mm	3 bar	< 50 mm³	with reinforced copper wire	010 010084
DN 110	6 mm	3 bar	< 50 mm³	with reinforced copper wire	010 010086

Other dimensions and versions available

Remark for part no. 010 010925, 010 010927, 010 010083 und 010 158274: cut lengths in a minimum of 10 m and in lengths dividable by 5.

Bulk Material Delivery Hoses with Steel Helix, black

Delivery hose with embedded steel helix, for cement, grain, animal food and other abrasive products.
Vacuum: 0,8 bar.
Cover: SBR, black, resistant against abrasion, ozone and ageing.
Reinforcements: textile wrapped, galvanised steel helix, copper wire.
Liner: NR/SBR/BR, black, smooth, highly resistant against abrasion, electrically conductive.
Temperature range: -35°C to +80°C.
Coil length: 40 m, cut lengths available.

Size	Wall thickness	Nominal pressure	Abrasion, ISO 4946	Remark	Part no.
DN 75	9 mm	7 bar	< 50 mm³	minimum bending diam.: 750 mm	010 010120
DN 100	10 mm	7 bar	< 50 mm³	minimum bending diam.: 800 mm	010 010130

Other dimensions and versions available

Bulk Material Delivery Hoses, white Tube

Delivery hose for PVC-granulates and non-fatty, powdered foodstuffs.
Cover: SBR, black, resistant against abrasion, ozone and ageing, electrically conductive.
Reinforcements: textile embedded, 2 copper wires.
Tube: NR/SBR/BR, white, smooth, abrasive resistant, in compliance with FDA and EG 1935/2004.
Temperature range: -40°C to +80°C.
When assembling connect the static wires !
Coil length: 40 m, cut lengths available.

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 75	9 mm	7 bar		010 010141
DN 75	10 mm	6 bar	antistatic liner	010 158279
DN 75	9 mm	6 bar	made in Germany by ContiTech	010 010140
DN 100	11 mm	4 bar		010 010179
DN 100	11 mm	6 bar	made in Germany by ContiTech	010 010180

Other dimensions and versions available

Bulk Material Delivery Hoses, Layflat, white Tube

Extension hose, rollable, for PVC-granulates and non-fatty, powdered foodstuffs.
Cover: resistant against abrasion, ozone and ageing.
Reinforcements: textile embedded, copper wire.
Lining: NR/SBR/BR, white, smooth, resistant against abrasion.
Temperature range: -40°C to +80°C.
Coil length: 30, 40, 60 m, cut lengths available.

Size	Wall thickness	Nominal Pressure	Remark	Part no.
DN 75	2,5	12 bar	cover: white	010 010939
DN 77	2	12 bar	three copper wires, cover: synthetic rubber, yellow	010 150269
DN 75	5	7 bar	cover: NBR/SBR, black, FDA tube	010 010191
DN 90	2,5	12 bar	cover: uncoated, white	010 010931
DN 90	6	3 bar	cover: NBR/SBR, black, FDA tube	010 010194
DN 102	2,5	8 bar	cover: synthetic rubber, blue	010 010933
DN 110	6	3 bar	cover: NBR/SBR, black, FDA tube	010 010196

Other dimensions and versions available

Remark: cut lengths in a minimum of 10 m and in lengths dividable by 5.

Bulk Material Delivery Hoses, Steel Helix, white Tube

Suction and delivery hose with embedded steel helix, for PVC-granulates and non-fatty, powdery foodstuffs.
Vacuum: 0,8 bar
Cover: SBR, black, resistant against abrasion, ozone and weathering, electrically conductive.
Reinforcements: textile braids, galvanised steel helix, 2 copper wires.
Tube: CR/NBR/SBR/, white, smooth, highly resistant against abrasion, comliant with FDA.
Temperature range: -40°C to +80°C.
Coil length: 20, 40 m, cutted lengths available

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 50	7 mm	16 bar	blue cover	010 010200
DN 75	8,5 mm	6 bar		010 010213
DN 102	10 mm	8 bar	coil length: 20 m	010 150280

Other dimensions and versions available

Bulk Material Delivery Hoses, Stainless Steel

Stainless steel hose of 1.4571 with smooth internal Agraff-liner for PVC-granulates and non-fatty, powderd foodstuffs.
Both sides fitted with welded stainless steel ferrules of 1.4541

Size	Overall length	Remark	Nominal press.	Part no.
DN 80	3,20 m	3“ male threaded, vulcanized blue cover, assembled with Band-It	2 bar	210 150493
DN 80	4,70 m	3“ male threaded, vulcanized blue cover, assembled with Band-it	2 bar	210 150500
DN 80	4,70 m	4“ male threaded, with PVC protection hose, hose cleaned - free of any residues	10 bar	210 211200
DN 100	3,70 m	4“ male threaded, with PVC protection hose, hose cleaned - free of any residues	10 bar	210 211210
DN 100	3,50 m	3" male threaded, without protection hose	10 bar	210 211300

Other dimensions and versions available

Accessories for Stainless Steel Hoses

Accessories for stainless steel hose

Size	Remark	Part no.
DN 80	helix of PVC (for part no. 210 150493 + 210 150500), to prevent bending the hose	210 150384
DN 127	PVC-protection hose for DN 75 (for part no. 210 211200)	010 150935
DN 152	PVC-protection hose for DN 100 (for part no. 210 211210 + 210 211300)	010 150936

Air / Water - Hoses

Air supply hose, suitable for manifolds, secundary air supply, top air supply.
Cover: SBR, black.
Reinforcements: textile wrapped.
Tube: SBR, black, smooth, limited resistance against oil.
Temperature range: -15°C to +80°C.
Coil length: 40 m, cut lengths available.

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 42	7 mm	10 bar		010 010676
DN 48	8 mm	10 bar		010 010680
DN 50	8 mm	10 bar		010 010690
DN 50	8 mm	10 bar	type ZICO 130	010 158297
DN 60	8 mm	10 bar		010 010700
DN 60	8 mm	10 bar	type ZICO 130	010 158298

Other dimensions and versions available

Hot Air / Water - Hoses

Air supply hose, suitable for manifolds, secoundary air supply, top air supply.
Cover: EPDM, black.
Reinforcements: textile wrapped.
Tube: EPDM, smooth.
Temperature range: -15°C to + 110/120°C.
Coil length: 40 m, cut lengths available.

Size	Wall thickness	Nominalpressure	Temperature	Remark	Part no.
DN 32	6 mm	10 bar	max. + 110°C	black tube	010 010630
DN 38	8 mm	10 bar	max. + 120°C	white tube	010 010692
DN 48	8 mm	10 bar	max. + 110°C	black tube	010 010655
DN 50	8 mm	10 bar	max. + 110°C	black tube	010 010660
DN 50	8 mm	3 bar	max. + 120°C	white tube	010 010694
DN 60	8 mm	10 bar	max. + 110°C	black tube	010 010670
DN 60	8 mm	7 bar	max. + 120°C	white tube	010 010696

Other dimensions and versions available

Hot-Air Hoses, with outside Rubber Cover

Hot-air hose (compressed air hose) especially for use with tank- and silo trailers.
GONDROM PREMIUM PRODUCT, MADE IN GERMANY BY ContiTech
optionally with black or white tube
Cover: EPDM, black with rubberized **external mesh.**
Reinforcements: textile wrapped, protected by a EPDM coating.
Tube: EPDM, smooth.
Temperatur range: -40 / +160°C , permanent.
Coil length: 20, 40 m, cut lengths available.

Size	Wall thickness	Nominal pressure	Tube	Remark	Part no.
DN 50	8 mm	6 bar	black		010 010720
DN 50	8 mm	6 bar	white		010 010725
DN 50	8 mm	6 bar	white	with steel helix	010 010727
DN 60	8 mm	6 bar	black		010 010730
DN 65	9 mm	6 bar	black		010 010740
DN 65	9 mm	6 bar	white		010 010728
DN 75	9 mm	6 bar	black		010 010750
DN 75	9 mm	6 bar	black	with steel helix	010 010755
DN 75	9 mm	6 bar	white		010 010729
DN 75	9 mm	6 bar	white	with steel helix	010 010757

Other dimensions and versions available

Hot-Air Hoses, with outside braided cover

Hot-air hose (compressed air hose) especially for the use with tank- and silo trailers,
optionally with black or white tube
Cover: EPDM, black, braided.
Reinforcements: textile wrapped.
Tube: EPDM, white, smooth.
Temperatur range: -40 / +180°C permanent heat.
Coil length: 40, 61 m, cutlengths available.

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 50	7 mm	3 bar		010 010718
DN 51	8 mm	10 bar	black liner, red cover, length of coil: 61 m	010 150410
DN 60	8 mm	3 bar	up to +160° C	010 150411
DN 65	8 mm	3 bar		010 010746
DN 75	8 mm	3 bar		010 010748

Hot-Air Hoses with Steel Helix

Hot-air hose (compressed air hose) especially for use with tank- and silo trailers
Cover: EPDM, black
Reinforcements: textile wrapped, steel wire helix
Tube: EPDM, white, smooth
Temperatur range: -40 / +180°C, permanent (peaks up to +240° C)
Coil length: 20, 40 m, cut lengths available

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 50	7 mm	3 bar		010 010715
DN 65	7 mm	3 bar		010 010716
DN 75	7,5 mm	3 bar		010 010717
DN 89	7 mm	3 bar		010 010713
DN 102	6 mm	7 bar	cover corrugated, temperature up to 160°C, peaks up to 190°C	010 010763

Other dimensions and versions available

Liquid, Fatty Foodstuffs Hoses with Steel Helix

Multi-purpose pressure and suction hose with steel helix for the food, pharmaceutical and cosmetic industry.
Cover: NK, blue resistant against fat, abrasion, ozone and ageing.
Reinforcements: textile wrapped, steel helix.
Tube: NBR, white, smooth, resistant to fluid, fatty goods, in compliance with FDA and EG 1935/2004.
Temperature range: -40°C to +95°C, steam cleaning up to 130° C/30 min. possible.
Vacuum: 0,8 bar.
Coil length: 40, 61 m, cut lengths availble.

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 32	6 mm	10 bar	Type SF1500	010 150344
DN 38	6,5 mm	10 bar	Type SF1500	010 150347
DN 50	7 mm	10 bar	Type SF1500	010 158286
DN 65	7 mm	10 bar	Type SF1500	010 150356
DN 75	7,5 mm	10 bar	Type SF1500	010 158289
DN 75	8 mm	10 bar	Type Alikler	010 010209
DN 75	7,5 mm	15 bar	Type ContiTech	010 010216
DN 102	8 mm	10 bar		010 010221

Other dimensions and versions available

Fueling Hoses

High pressure fueling hose without helix, in compliance with EN 12115
Suitable for all petroleum based products, electrical conductivity <10^6 Ohm
Cover: CR, black, conductive
Reinforcements: textile wrapped
Tube: NBR, black, smooth
Temperatur range: -30 / +90°C (peaks up to +110° C)
Branding: yellow
Coil length: 40 m, cut lengths available (size DN 25 - DN 50 also available in coils of 30, 50, 60, 80 m)
Producer: ContiTech/Elaflex, Made in Germany

Size	Wall thickness	Nominal pressure	Min. reel diameter	Remark	Part no.
DN 25	6 mm	25 bar	200 mm	Type HD	010 010250
DN 25	6 mm	20 bar	200 mm	Type XHD, max. 65°C, Cover: NBR/PVC	010 010251
DN 32	6 mm	25 bar	225 mm	Type HD	010 010260
DN 32	6 mm	20 bar	200 mm	Type XHD, max. 65°C, Cover: NBR/PVC	010 010261
DN 38	6,5 mm	25 bar	270 mm	Type HD	010 010270
DN 38	6,5 mm	20 bar	270 mm	Type XHD, max. 65°C, Cover: NBR/PVC	010 010271
DN 40	7 mm	25 bar	270 mm	Type HD	010 010280
DN 50	7 mm	20 bar	400 mm	Type XHD, max. 65°C, Cover: NBR/PVC	010 010291
DN 50	8 mm	20 bar	400 mm	Type HD-C, max. 70°C	010 010292
DN 75	8 mm	25 bar	600 mm	Type HD	010 010320

Other dimensions and versions available

Fueling Hoses, with Steel Helix

High pressure and suction tank truck hose with steel helix, in compliance withEN 12115, Vaccum: 0,8 bar
Suitable for all petroleum based products, electrical conductivity <10^6 Ohm
Cover: CR, black, conductive
Reinforcements: textile wrapped, galvanised steel helix
Liner: NBR, black, smooth
Temperature range: -30 / +90°C (peaks up to +110° C)
Branding: yellow
Coil length: 40 m, cut lengths available

Size	Wall thickness	Nominal pressure	Temperature	Remark	Part no.
DN 25	5,5 mm	10 bar			010 150556
DN 32	6 mm	16 bar			010 010340
DN 38	6,5 mm	16 bar			010 010350
DN 50	8 mm	16 bar	max. 90°C	Type Flexi Oil	010 158290
DN 50	8 mm	20 bar		Type Elaflex/ContiTech	010 010407
DN 63	8 mm	20 bar		Type Elaflex/ContiTech	010 010380
DN 75	8 mm	16 bar	max. 90°C	Type Flexi Oil	010 158127
DN 75	8 mm	20 bar		Type Elaflex/ContiTech	010 010408
DN 75	7,5 mm	16 bar	max. 65°C	Type XTW	010 010391

Other dimensions and versions available

Light Weight Fueling Hoses

Leight weight pressure and suction tank truck hose with steel helix, vaccum: 0,5 bar
Suitable for all petroleum based products, electrical conductivity <10^6 Ohm
Cover: CR, black, conductive
Reinforcements: textile wrapped, galvanised steel helix
Liner: NBR, black, smooth
Temperature range: -30 / +90°C (peaks up to +110° C)
Branding: yellow
Coil length: 40 m, cut lengths available

Size	Wall thickness	Nominal pressure	Temperature	Remark	Part no.
DN 50	7 mm	10 bar		Type LTW	010 010404
DN 75	7,5 mm	10 bar		Type LTW	010 010402
DN 80	6,5 mm	4 bar	max. 65°C	Type LTX, for gravity discharge, Hose fitting: 030 030180	010 010411
DN 100	7,5 mm	10 bar		Type LTW	010 010403

Other dimensions and versions available

Multi Purpose Chemical Hoses

Multi purpose hose with steel helix, for chemicals, acids, alkalis, alcohols, acetates, etc. (in compliance with resistance chart)
Cover: EPDM, black, conductive
Reinforcements: textile wrapped, galvanised steel helix
Tube: EPDM, black, smooth, electrically conductive
Temperature range: -40 / +100°C, short time steaming up to 150° C possible (max. 30 min.)
Branding: lilac
Coil length: 40 m, cut lengths available

Size	Wall thickn.	Nominal press	Remark	Vacuum	Part no.
DN 13	4,5 mm	16 bar	without helix, Type CHD, made by ContiTech/Elaflex		010 010435
DN 19	6 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010601
DN 25	6 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010602
DN 32	6 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010603
DN 38	6,5 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010604
DN 50	8 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010605
DN 50	8 mm	16 bar	type CHS, made by ContiTech/Elaflex	0,9 bar	010 010515
DN 63	8 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010606
DN 75	8 mm	16 bar	type Flexichem, with copper wire	0,9 bar	010 010607
DN 75	8 mm	16 bar	type CH, made by ContiTech/Elaflex	0,8 bar	010 010520
DN 100	8 mm	10 bar	type Flexichem, with copper wire	0,9 bar	010 010608

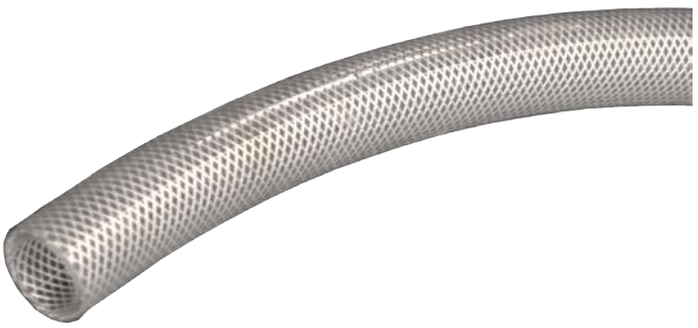
Other dimensions and versions available

Universal Purpose Chemical Hoses

Universal cpurpose hemical hose with steel helix, for almost all liquid and pasty chemicals and petroleum based products (in compliance with resistance chart) and with EN 12115, Vacuum: 0,9 bar
Cover: EPDM, black, smooth, conductive
Reinforcements: thermoplast braids, galvanised steel helix
Tube: UPE, black, smooth, electrically conductive
Temperature range: -30 / +100°C, short time steaming up to 130° C possible (max. 30 min.)
Branding: blue/white
Coil length: 40 m, cut lengths available

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 19	6	16 bar	type Flexichem, with copper wire	010 010611
DN 25	6	16 bar	type Flexichem, with copper wire	010 010612
DN 32	6	16 bar	type Flexichem, with copper wire	010 010613
DN 38	6,5	16 bar	type Flexichem, with copper wire	010 010614
DN 50	8	16 bar	type Flexichem, with copper wire	010 010623
DN 50	8	10 bar	type Flexichem mobil, cover corrugated, with copper wire	010 010523
DN 50	8	16 bar	type UTS, liner with conductive stripe, made by ContiTech/Elaflex	010 010524
DN 50	7,5	10 bar / -0,8 bar	type UTL, liner with conductive stripe, corrugated, made by ContiTech/Elaflex	010 010538
DN 63	8	16 bar	type Flexichem, with copper wire	010 010625
DN 63	7,5	10 bar / -0,8 bar	type UTL, liner with conductive stripe, corrugated, made by ContiTech/Elaflex	010 010537
DN 75	8	16 bar	type Flexichem, with copper wire	010 158336
DN 75	8	10 bar	type Flexichem mobil, cover corrugated, with copper wire	010 158292
DN 75	8	16 bar	type UTS, liner with conductive stripe, made by ContiTech/Elaflex	010 010525
DN 75	7,5	10 bar / -0,8 bar	type UTL, liner with conductive stripe, corrugated, made by ContiTech/Elaflex	010 010539
DN 100	8	10 bar	type Flexichem, with copper wire	010 010629

Other dimensions and versions available



PVC Hoses with Textile-fabrics

Transparent PVC hose with braided fabrics reinforcment,
for non-agressive gases and fluids, EU 10/2011 - cat. A,B,C
Temperature range: -20°C / +60°C
Coil length: 25 m

Size	Wall thickness	Nominal pressure (20° C)	Remark	Part no.
DN 6	3 mm	23 bar	coil length: 50 m	010 010934
DN 9	3 mm	19 bar	coil length: 50 m	010 010935
DN 13	3,5 mm	13 bar	coil length: 50 m	010 010937
DN 19	4 mm	12 bar		010 010938
DN 25	4,5 mm	9 bar		010 010940
DN 32	5 mm	9 bar	coil length: 50 m	010 150960
DN 38	5 mm	6 bar		010 010950
DN 45	5 mm	5 bar		010 010951
DN 50	5 mm	4 bar		010 010955

other dimensions and versions available

PU/PVC - Hoses for Wood Pellets

Two-layer plasticized PU/PVC hose with embedded PVC helix, especially for suction and delivery of wood pelletws.
Electrically conductive by copper wire (to be connected while assembling !!)
Cover: PVC, grey, corrugated
Reinforcement: copper wire, PVC helix
Liner: PU, red, smooth, abrasive resistant
Temperature range: -25 / +60°C
Coil length: 30 m, cut lengths available

Size	Wall thickness	Nominal pressure	Remark	Part no.
DN 102	6,5 mm	3 bar	Storz hose coupling for wood pellets: part no. 020020166	010 010166

Other dimensions and versions available

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Storz Couplings

Storz Hose Fittings, for Hose Clamps

Aluminium Storz Hose Fitting, for hose clamps, nominal pressure: 16 bar (PN16) with pressure- and suction-gasket

Size	Diameter	Lug	Seal	Remark	Part no.
D	DN 25	31 mm	Silicone, transparent		020 020010
C	DN 25	66 mm	NBR, white		020 020018
C	DN 32	66 mm	NBR, white		020 020020
C	DN 38	66 mm	NBR, white		020 020030
C	DN 40	66 mm	NBR, white		020 020040
C	DN 42	66 mm	NBR, white		020 020042
C	DN 45	66 mm	NBR, white		020 020050
C	DN 52	66 mm	NBR, white		020 020060
C	DN 52	66 mm	Silicone, transparent		020 020065
C	DN 60	66 mm	NBR, white		020 020066
65	DN 52	81 mm	NBR, white		020 020070
65	DN 65	81 mm	NBR, white		020 020080
65	DN 75	81 mm	NBR, white		020 020085
B	DN 52	89 mm	NBR, white		020 020095
B	DN 52	89 mm	Silicone, transparent		020 151172
B	DN 60	89 mm	Silicone, transparent		020 151173
B	DN 65	89 mm	NBR, white		020 151174
B	DN 65	89 mm	Silicone, transparent		020 020090
B	DN 75	89 mm	NBR, white	with saw shank	020 020098
B	DN 75	89 mm	NBR, white		020 020100
B	DN 75	89 mm	NBR, white		020 020103
B	DN 75	89 mm	NBR, black		020 020099
B	DN 75	89 mm	NBR, white	with slim shank, for fire fighting hoses	020 020106
B	DN 80	89 mm	NBR, white		020 020110
B	DN 80	89 mm	NBR, black		020 151178
90	DN 75	105 mm	NBR, white		020 020120
90	DN 90	105 mm	NBR, white		020 020130
100	DN 100	115 mm	NBR, white		020 020140
A	DN 90	133 mm	NBR, white		020 020150
A	DN 100	133 mm	NBR, white		020 020160
A	DN 100	133 mm	Silicone, transparent		020 151179
A	DN 101	133 mm	NBR, white	for wood pellets	020 020166
A	DN 110	133 mm	NBR, white		020 020170
125	DN 125	148 mm	NBR, white		020 020180
150/F	DN 150	160 mm	NBR, white	3 lugs	020 020190
165	DN 150	188 mm	NBR, white	PN10	020 020200

other dimensions and versions available

Steel-Storz Hose Fittings for Hose Clamps

Aluminium Storz hose fitting (shank of steel), for hose clamps, nominal pressure: 16 bar (PN16), with pressure- and suction-gasket

Size	Diameter	Lug	Seal	Remark	Part no.
B	DN 75	89 mm	NBR, black		020 020245
B	DN 80	89 mm	NBR, black		020 020247
A	DN 100	133 mm	NBR, black		020 020255
A	DN 110	133 mm	NBR, black		020 151196

Other dimensions and versions available

Storz Hose Fittings with Handle

Aluminium Storz hose fitting, for hose clamps, with folding handle. Nominal pressure: 16 bar (PN16), with pressure- and suction-gasket

Size	Diameter	Lug	Seal	Remark	Part no.
B	DN 65	89 mm	Silicone, transparent		020 151226
B	DN 75	89 mm	NBR, white		020 020260
B	DN 75	89 mm	NBR, white	type SILGON, PN2	020 020267
B	DN 75	89 mm	NBR, white	shank of steel	020 020262
B	DN 75	89 mm	NBR, white	type SILGON, PN2, shank of steel	020 020268
B	DN 75	89 mm	NBR, white	for safety hose clamps	020 020265
B	DN 80	89 mm	NBR, white		020 020261
A	DN 100	133 mm	NBR, white	2 handles	020 020275

Other dimensions and versions available

Stainless Storz Hose Fittings for Hose Clamp

Stainless steel Storz hose fitting, for hose clamps, nominal pressure: 16 bar (PN16) with pressure- and suction-gasket

Size	Diameter	Lug	Seal	Remark	Part no.
C	DN 52	66 mm	Viton, green		020 020062
B	DN 75	89 mm	Viton, green		020 020105
A	DN 110	133 mm	Viton, green		020 020175

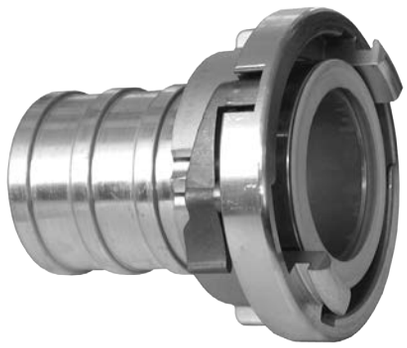
Other dimensions and versions available

Storz Hose Fittings for Safety Shells

Aluminium Storz Hose Fitting, for safety shells, nominal pressure: 16 bar (PN16), with pressure- and suction-gasket

Size	Diameter	Lug	Seal	Remark	Part no.
C	DN 38	66 mm	NBR white		020 020224
C	DN 50	66 mm	NBR, white		020 020227
C	DN 50	66 mm	Silicone, transparent		020 020226
B	DN 65	89 mm	NBR, white		020 020228
B	DN 75	89 mm	NBR, white	shortened, conical shank	020 020230
B	DN 75	89 mm	Silicone, transparent	shortened, conical shank	020 020231
B	DN 75	89 mm	NBR, white	stainless steel shank	020 151212
A	DN 100	133 mm	NBR, white	conical shank	020 020237

Other dimensions and versions available, safety clamps: see pages 66 -67.



Storz Hose Fittings with Locking Device

Storz hose fitting with additional locking device,
shank of alloy or steel, nominal pressure: 16 bar (PN16)

Size	Diameter	Lug	Seal	Remark	Part no.
C	DN 52	66 mm	Silicone, transparent	for hose clamps	020 151230
C	DN 50	66 mm	Silicone, transparent	for hose clamps	020 151219
B	DN 65	89 mm	Silicone, transparent	for hose clamps	020 151231
B	DN 75	89 mm	NBR, white	for hose clamps	020 020102
B	DN 75	89 mm	NBR, black	steel shank, for hose clamps	020 151235
B	DN 75	89 mm	Slicone, transparent	for hose safety shells	020 020235
A	DN 100	133 mm	NBR, white	for hose clamps	020 020165
A	DN 100	133 mm	NBR, black	steel shank, for hose clamps	020 151236
A	DN 100	133 mm	NBR, white	for hose clamps	020 020236

Other dimensions and versions available

Aluminium Storz Adapters, Female Threaded

Female threaded Storz adapter of alloy, working pressure: 16 bar (PN16)

Size	Thread	Lug	Seal	Remark	Part no.
D	BSP 3/4"	31 mm	Silicone, transparent		020 151240
D	BSP 1“	31 mm	Silicone, transparent		020 020298
C	BSP 1"	66 mm	NBR, white		020 020300
C	BSP 1 1/4"	66 mm	NBR, white		020 020310
C	BSP 1 1/2"	66 mm	NBR, white		020 020320
C	BSP 2"	66 mm	NBR, white		020 020330
C	BSP 2"	66 mm	Silicone, transparent		020 020333
C	BSP 2 1/2"	66 mm	NBR, white		020 020340
C	BSP 2 1/2"	66 mm	Silicon, transparent		020 158109
65	BSP 2"	81 mm	NBR, white		020 020350
65	BSP 2 1/2"	81 mm	NBR, white		020 020360
65	BSP 3"	81 mm	NBR, white		020 020370
B	BSP 2"	89 mm	NBR, white		020 020380
B	BSP 2 1/2"	89 mm	NBR, white		020 020390
B	BSP 2 1/2“	89 mm	Silicone, transparent		020 020398
B	BSP 3"	89 mm	NBR, white		020 020400
B	BSP 3"	89 mm	Silicone, transparent	without thread seal	020 020408
90	BSP 3"	105 mm	NBR, white		020 020410
100	BSP 4"	115 mm	NBR, white		020 020420
A	BSP 4"	133 mm	NBR, white		020 020430
A	BSP 4"	133 mm	Silicone, transparent	without thread seal	020 020438
125	BSP 5"	148 mm	NBR, white		020 020450
150/F	BSP 6"	160 mm	NBR, white	3 lugs	020 020460
165	BSP 6"	188 mm	NBR, white	PN10	020 020470

Other dimensions and versions available

Stainless Steel Storz Adapters, Female Threaded

Female threaded Storz adapter of stainless steel, nominal pressure: 16 bar (PN16)
thread seal of PTFE

Size	Thread	Lug	Seal	Remark	Part no.
C	BSP 2"	66 mm	Viton, green		020 020335
B	BSP 3"	89 mm	Viton, green		020 020405
A	BSP 4"	133 mm	Viton, green		020 020432

Other dimensions and versions available

Storz Adapters with Insert, Female Threaded

Female threaded Storz adapter out of aluminium alloy, nominal pressure: 16 bar (PN16)
thread seal of NBR, with steel or stainless steel insert

Size	Thread	Lug	Seal	Insert	Part no.
B	BSP 2 1/2"	89 mm	NBR, black	Steel	020 151264
B	BSP 3"	89 mm	NBR, black	Steel	020 020545
A	BSP 4"	133 mm	NBR, black	Steel	020 020570
A	BSP 4"	133 mm	NBR, black	Stainless Steel	020 020575

Other dimensions and versions available

Aluminium Storz Adapters

Aluminium alloy male threaded Storz adapter, nominal pressure: 16 bar (PN16)

Size	Lug	Thread	Seal	Remark	Part no.
D	31 mm	BSP 3/4"	Silicone, transparent		020 151294
D	31 mm	BSP 1"	Silicone, transparent		020 020598
C	66 mm	BSP 1"	NBR, white		020 020600
C	66 mm	BSP 1 1/4"	NBR, white		020 020610
C	66 mm	BSP 1 1/2"	NBR, white		020 020620
C	66 mm	BSP 2"	NBR, white		020 020630
C	66 mm	BSP 2"	Silicone, transparent		020 020638
C	66 mm	BSP 2 1/2"	NBR, white		020 020640
C	66 mm	BSP 2 1/2"	Silicone, transparent		020 151297
65	81 mm	BSP 2"	NBR, white		020 020650
65	81 mm	BSP 2 1/2"	NBR, white		020 020660
65	81 mm	BSP 3"	NBR, white		020 020670
B	89 mm	BSP 2"	NBR, white		020 020675
B	89 mm	BSP 2 1/2"	NBR, white		020 020680
B	89 mm	BSP 2 1/2"	Silicone, transparent		020 020688
B	89 mm	BSP 3"	NBR, white		020 020690
B	89 mm	BSP 3"	Silicone, transparent		020 020698
90	105 mm	BSP 3"	NBR, white		020 020700
100	115 mm	BSP 4"	CR, white		020 020710
A	133 mm	BSP 4"	CR, white		020 020720
A	133 mm	BSP 4"	Silicone, transparent		020 020721

Other dimensions and versions available

Stainless Steel Storz Adapters, Male Threaded

Stainless steel (V4A) male threaded Storz adapter, nominal pressure: 16 bar (PN16)

Size	Thread	Lug	Seal	Remark	Part no.
C	BSP 2"	66 mm	Viton, green		020 020635
B	BSP 3"	89 mm	Viton, green		020 020695
A	BSP 4"	133 mm	Viton, green		020 151311

Other dimensions and versions available

Storz Blank Caps out of Alloy

Storz blank cap out of alloy, nominal pressure: 16 bar (PN16), with chain

Size	Lug	Seal	Remark	Part no
D	33 mm	NBR, white		020 020732
C	66 mm	NBR, white		020 020740
C	66 mm	Silicone, transparent		020 020748
65	81 mm	NBR, white		020 020750
B	89 mm	NBR, white		020 020760
B	89 mm	NBR, white	with inspection glass, not suitable for pressure	020 020767
B	89 mm	Silicone, transparent		020 020768
90	105 mm	NBR, white		020 020770
100	115 mm	NBR, white		020 020780
A	133 mm	NBR, white		020 020790
A	133 mm	Silicone, transparent		020 020791
125	148 mm	NBR, white		020 020800
150	160 mm	NBR, white		020 020810
165	188 mm	NBR, white	PN10	020 020820
205	220 mm	NBR, white	PN10	020 020830

Other dimensions and versions available

Storz Blank caps out of Alloy, lockable

Storz blank cap out of alloy, nominal pressure: 16 bar (PN16), with chain lockable, to prevent unauthorized opening, coupling and uncoupling (available with different or universal keys)

Size	Lug	Seal	Remark	Part no.
C	66 mm	NBR, white	with cylinder lock	020 151329
B	89 mm	NBR, white	with cylinder lock	020 151330
A	133 mm	NBR, white	with cylinder lock	020 151331

Other dimensions and versions available

Storz Blank caps out of Stainless Steel

Storz blank cap out of stainless steel (V4A) nominal pressure: 16 bar (PN16), with cink plated steel chain

Size	Lug	Seal	Remark	Part no.
C	66 mm	Viton, green		020 020745
B	89 mm	Viton, green		020 020765
A	133 mm	Viton, green		020 151328

Other dimensions and versions available

Storz Blank Discs out of Plastic

Blank discs out of plastic for Storz couplings, working pressure: 10 bar (PN 10)

Size	Lug	Remark	Part no.
C	66 mm		020 020739
B	89 mm		020 020759
A	133 mm		020 020789

Alloy Storz Blank Caps, with threaded Connection

Storz blank cap out of alloy, nominal pressure: 3 bar (PN 3)
with centric thread for vent cock

Size	Lug	Seal	Thread	Part no.
C	66 mm	NBR, white	BSP 1" male	020 020766
C	66 mm	NBR, white	BSP 3/4" female	020 151332
B	89 mm	NBR, white	BSP 3/4" female	020 151333
A	133 mm	NBR, white	BSP 3/4" female	020 151336

Storz Adapters with swiveling Air Diffuser,

Storz adapter out of alloy with swiveling 90° elbow for air diffusion pipe, working pressure: 3 bar (PN 3)

Size	Lug	Seal	male thread, elbow	Remark	Part no.
A	133 mm	NBR, white	BSP 2 1/2"		020 020795

Storz Safety Couplings with Blank Cap

Storz safety coupling out of alloy, complete with blank cap and pressure alarm. Nominal pressure: 6 bars (PN 6)
the pressure alarm device only allows the couplings to open only when the pressure is released.
Approved by TÜV

Size	Lug	Seal	Female Thread	Remark	Part no.
B	89 mm	NBR, white	BSP 3"		020 020793
A	133 mm	NBR, white	BSP 4"		020 151342

Storz Vent Cocks, Type „Weber“

Vent cock for Storz safety coupling
type „Weber“

Female thread	Male thread	Remark	Part no.
BSP 1/4"	BSP 1/4"	for part no. 020 020796	020 020797

Chains

Chain for Storz blank caps

Material	Length	Remark	Part no.
zink-plated steel	250 mm		020 021100
zink-plated steel	400 mm		020 021120
stainless steel	290 mm		020 021115
stainless steel	360 mm		020 021116

Other dimensions and versions available

Storz Reducers

Storz reducer, nominal pressure: 16 bar (PN16)
material: aluminium alloy (unless stated otherwise)

Size	Lug	Seal	length	Remark	Part no.
C/D	66 mm/31 mm	NBR, white	33 mm	DIN 14341	020 020840
B/C	89 mm/66 mm	NBR, white	39 mm	DIN 14342	020 020850
B/C	89 mm/66 mm	Viton, green	39 mm	Stainless steel	020 020855
B/C	89 mm/66 mm	Silicone, transparent	39 mm		020 020858
90/B	105 mm/89 mm	NBR, white	62 mm		020 151353
100/B	115 mm/89 mm	NBR, white	47 mm		020 020860
A/B	133 mm/89 mm	Silicone, transparent	50 mm		020 020869
A/B	133 mm/89 mm	NBR, white	50 mm	DIN 14343	020 020870
A/B	133 mm/89 mm	Viton, green	50 mm	Stainless steel	020 020872
A/B	133 mm/89 mm	NBR, white	50 mm	with steel insert	020 020876
A/B	133 mm/89 mm	NBR, white	80 mm	with conical steel insert, swiveling	020 020877
A/B	133 mm/89 mm	NBR, white	80 mm	with conical steel insert, swiveling	020 020878
A/100	133 mm/115 mm	NBR, white	68 mm		020 020880
125/A	148 mm/133 mm	NBR, white	102 mm		020 020879
150/A	160 mm/133 mm	NBR, white	102 mm	3 lugs	020 020866
165/A	188 mm/133 mm	NBR, white	122 mm	PN10	020 020875

Other dimensions and versions available

Storz Reducers, long Model

Aluminium alloy Storz reducer, long model, for extremly abrasive goods, nominal pressure: 16 bar (PN16)

Size	Lug	Seal	Length	Remark	Part no.
A/B	133 mm/89 mm	CR	160 mm		020 158332
A/B	133 mm/89 mm	CR	160 mm	with steel inlet	020 151358

Inlets for Storz Reducers

Spare inlet for Storz reducer

Size	Remark	Material	Part no.
A/B	short model	aluminium alloy	020 021060
A/B	short model	steel	020 021070
A/B	long model, conical	steel	020 021071

Adapters: Storz-Guillemin

Adapter from Storz to French coupling type Guillemin, material: aluminium alloy
nominal pressure: 16 bar (PN16)

Size Storz	Size Guillemin	Seal	Remark	Part no.
C	DN 50	NBR, white		040 041600
C	DN 65	NBR, white		040 041605
C	DN 80	NBR, white		040 041610
B	DN 80	NBR, white		040 041625
A	DN 100	NBR, white		040 041640
A	DN 100	NBR, white	swiveling	040 041645

Other dimensions and versions available

Storz Spanners

Spanner for couplings Storz system

Size	Material	Remark	Part no.
B/C	steel		020 021130
B/C	steel	with 19 mm inside square	020 021131
B/C	steel	handle with against cold protection	020 021132
A/B/C	steel		020 021140
A/B/C	steel	handle with against cold protection	020 021141
100/125	cast Iron		020 021145
125/135/150	cast Iron		020 021146
135/250	cast Iron		020 021147

Storz Safety Straps, SILGON

Safety strap, type SILGON, with black rubber profile, for Storz coupling

Size Storz coupling	Size / width	Part no.
C	97/25 mm	050 053052
B	125/25 mm	050 053075
100	155/25 mm	050 053100
A	181/25 mm	050 053110
125	195/25 mm	050 053125

Storz Safety Clamps, „FIXED and SAFE“

Safety clamp type „Fixed and Safe“ for Storz coupling
material: electrogalvanised steel (exclusive Gondrom version)

Size Storz coupling	Part no.
C + C	050 053151
B + C	050 053161
B + B	050 053171
A + B	050 053181
A + A	050 053191

Sturdy Storz Safety Clamps, ZICO

Sturdy safety clamp type ZICO, for Storz couplings

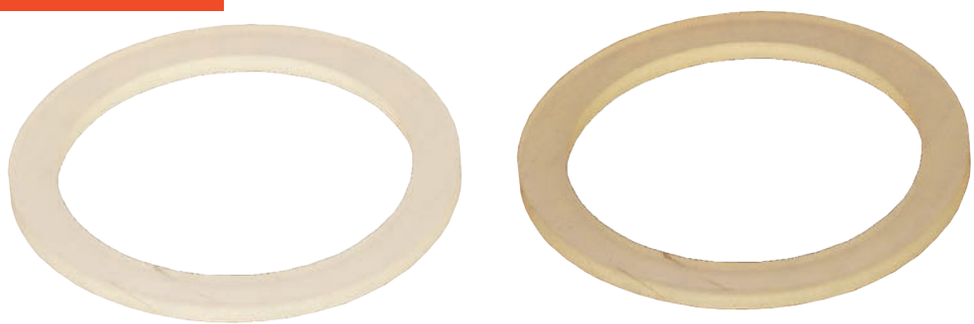
Size Storz coupling	Material	Part no.
B + B	stainless steel	050 053192
90 + 90	galvanized steel	050 053193
100 + 100	stainless steel	050 053197
A + B	stainless steel	050 053194
A + A	stainless steel	050 053195
125 + 125	galvanized steel	050 053196

Seals for Storz Couplings

Storz spare seals for suction and pressure usage

Size	Material	Part no.
D	NBR, white	020 021163
D	Silicone, transparent	020 021150
C	NBR, white	020 021170
C	Silicone, transparent	020 021151
C	NBR, black	020 021169
C	Viton, green	020 021168
65	NBR, white	020 021185
65	NBR, black	020 021180
B	NBR, white	020 021200
B	Slicone, transparent	020 021161
B	NBR, black	020 021190
B	natural rubber, black	020 021195
B	Viton, green	020 021198
90	NBR, white	020 021211
90	Silicone, transparent	020 151449
90	NBR, black	020 151448
100	NBR, white	020 021230
100	Silicone, transparent	020 021160
100	NBR, black	020 021220
A	NBR, white	020 021250
A	Silicone, transparent	020 021162
A	NBR, black	020 021240
A	Viton, green	020 151453
125	NBR, white	020 021253
125	NBR, black	020 151455
150	NBR, white	020 021245
165	NBR, white	020 021255
205	NBR, white	020 151459
205	NBR, black	020 151460

Other dimensions and versions available

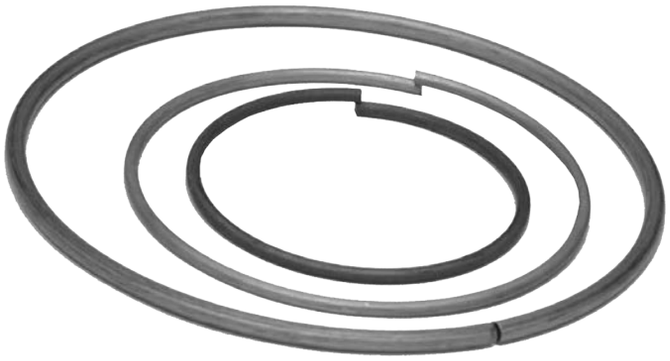


Storz Thread Seals

Storz Seal for female thread

Size	Material	Part no.
1"	NBR, white	020 021257
1 1/2 "	NBR, white	020 021259
2 "	NBR, white	020 021260
2"	Silicone, transparent	020 151464
2 1/2"	NBR, white	020 021261
2 1/2"	Silicone, transparent	020 151466
3"	NBR, white	020 021270
3"	Silicone, transparent	020 151468
4"	NBR, white	020 021280
4"	Silicone, transparent	020 151471
6"	NBR, white	020 021290

Other dimensions and versions available

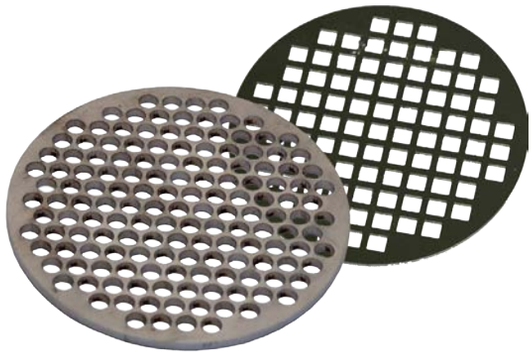


Storz Circlips

Steel circlip for Storz couplings

Size	Lug	Part no.
D	31	020 151408
C	66	020 021010
65	81	020 021015
B	89	020 021020
90	105	020 151410
100	115	020 021025
A	133	020 021030
125	148	020 151413
150	160	020 151414
165	188	020 151415

Other dimensions and versions available



Strainers, flat Design

Round sieve out of stainless steel (AISI 304) for use with female thread of adapter

Size	Perforation	Diameter	Width of rand	Part no.
B / 3“	5 mm, square	85 mm	2 mm	020 021341
B / 3“	5 mm, round	85 mm	1 mm	020 021342
B / 3“	10 mm, square	85 mm	2 mm	020 021344
A / 4“	5 mm, square	110 mm	2 mm	020 021346
A / 4“	5 mm, round	110 mm	2 mm	020 021347
A / 4“	10 mm, round	110 mm	2 mm	020 021349
A / 4“	15 mm, square	110 mm	2 mm	020 021351

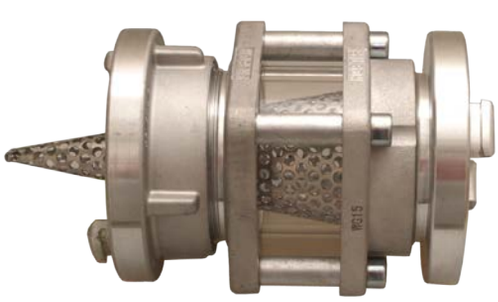
Other dimensions and versions available

Strainers for Flour

Strainer out of stainless steel for transportation of flour, sugar, cocoa, etc.
for insertion in sight glass (conveying direction: against the direction of flow)

Size	Perforation	Remark	Width of collar	Part no.
B	4 mm	material: 1.4404	2,3 mm	020 154423
B	5 mm	with welded collar, material: 1.4301	2,0 mm	020 021309
B	8 mm	with welded collar, material: 1.4404	2,0 mm	020 021310
B	5 mm	material: 1.4404	1,2 mm	020 021312
B	5 mm	with welded collar, material: 1.4301	2,0 mm	020 021308
A	4 mm	material: 1.4404	1,5 mm	020 154424
A	5 mm	material: 1.4301	2,0 mm	020 021300
A	5 mm	with welded collar, material: 1.4301	2,0 mm	020 021301
A	5 mm	material: 1.4404	1,0 mm	020 021314
A	8 mm	with welded collar, material: 1.4404	2,0 mm	020 021305

Installation:
the strainer must be installed with the tip against the direction of flow.
Before each conveying operation the strainer must be subjected to an optical test for mechanical damage, such as fractures, breaking points or similar.
We recommend cleaning the strainer after each transport.



Direction of conveying

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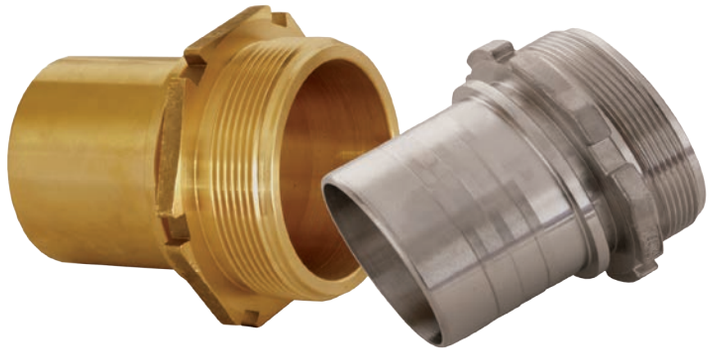
Tank Truck Fittings

Male Hose Couplings with pinned Safety Shells

Male threaded hose coupling out of brass, according to EN 14420-5. Complete assembly comprising pinned safety shell out of aluminium alloy; pins out of stainless steel.

Size	Thread	Remark	Working pressure	Part no.
DN 25 x 6	BSP 1"		PN 25	030 030390
DN 32 x 6	BSP 1 1/4"		PN 25	030 030400
DN 32 x 6	BSP 1 1/2"		PN 25	030 030410
DN 32 x 6	BSP 2"		PN 25	030 030420
DN 38 x 6,5	BSP 1 1/2"		PN 25	030 030430
DN 38 x 6,5	BSP 2"		PN 25	030 030440
DN 40 x 7	BSP 2"		PN 25	030 030450
DN 80 x 6,5	BSP 3"	for hose type LTX 80	PN 25	030 030180

DN 50 / 75 / 100: please see pages 66-67.



Male Hose Couplings for Safety Shell Integration

Male threaded hose coupling with collar for safety shells, according to EN 14420-5. Shells not included.
Nominal pressure: 25 bars (PN 25).

Size	Thread	Material	Remark	Part no.
DN 32	BSP 1 1/4"	brass		030 151483
DN 38	BSP 1 1/2"	brass		030 151489
DN 50	BSP 2"	brass		030 030907
DN 50	BSP 2"	polypropylene	PN 10	030 030912
DN 50	BSP 2"	stainless steel		030 030918
DN 65	BSP 2 1/2"	brass		030 030480
DN 65	BSP 3"	brass		030 030930
DN 75	BSP 3"	brass		030 030967
DN 75	BSP 3"	polypropylene	PN 10	030 030964
DN 75	BSP 3"	stainless steel		030 030968
DN 100	BSP 4"	brass		030 030980
DN 100	BSP 4"	sainless steel		030 030979

Safety shells: see page 67.

Female Hose Couplings for Safety Shells

Swiveling female threaded hose coupling with collar for safety shell integration, according to EN 14420-5.
Shells not included.

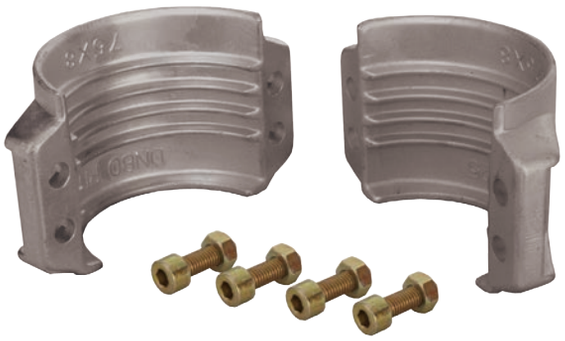
Site	Thread	Material	Seal	Working pressure	Part no.
DN 25	BSP 1"	brass	Vulkollan	PN 25	030 151536
DN 38	BSP 1 1/2	brass	Vulkollan	PN 25	030 151549
DN 50	BSP 2"	brass	Vulkollan	PN 25	030 030805
DN 63	BSP 2 1/2"	brass	Vulkollan	PN 25	030 030810
DN 63	BSP 3"	brass	Vulkollan	PN 25	030 030830
DN 75	BSP 3"	brass	Vulkollan	PN 25	030 030840
DN 100	BSP 4"	brass	Vulkollan	PN 25	030 030870

Safety shells: see pages 66-68

One-piece Hose Fittings for Safety Shells

One-piece hose fitting (no thread connection) with collar for safety shell integration. Shells not included.
Nominal pressure: 16 bars (PN 16).

Size	Coupling	Material	Remark	Part no.
DN 50	VK 50	stainless steel		030 151501
DN 50	MK 50	stainless steel	Hypalon seal, green	030 151503
DN 75	VK 80	brass		030 151513
DN 75	MK 80	brass	CR seal, black / without coupling nut	030 151510
DN 75	VK 80	stainless steel	shortened hose tail	030 030971
DN 75	VK 80	stainless steel		030 151515
DN 75	MK 80	stainless steel	shortened hose tail / without coupling nut	030 030972
DN 75	MK 80	stainless steel	Hypalon seal, green	030 151512



Aluminium screwed Safety Shells

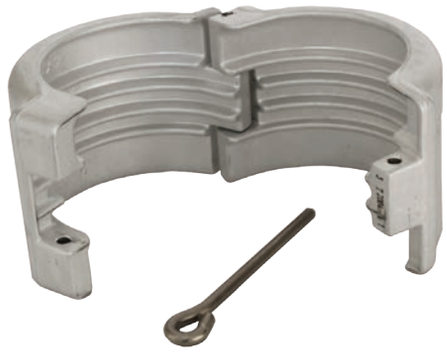
Screwed safety shell out of aluminium alloy, according to EN 14420-21-31-5 (DIN 2817), complete assembly comprising bolts and nuts out of galvanized steel

Size	Outside hose diam.	Remark	Working pressure	Part no.
DN 38 x 6,5	50-52 mm		PN 25	030 030987
DN 45 x 7	58-61 mm		PN 25	030 030988
DN 50 x 8	64-67 mm		PN 25	030 030990
DN 50 x 10	69-71 mm		PN 25	030 030989
DN 63/65 x 8	78-82 mm		PN 25	030 030991
DN 75 x 8	89-93 mm		PN 25	030 030993
DN 75 x 10	94-97 mm		PN 25	030 030994
DN 75 x 10	94-97 mm	with loop for mounting of chain	PN 25	030 030998
DN 75 x 12	98-101 mm		PN 25	030 030997
DN 100 x 8	114-119 mm		PN 25	030 030995
DN 100 x 10	118-122 mm		PN 25	030 030985
DN 100 x 12	122-126 mm		PN 25	030 030996

Stainless Steel screwed Safety Shells

Screwed safety shell out of stainless steel, according to EN 14420-21-31-5 (DIN 2817), complete assembly comprising bolts and nuts of stainless steel.

Size	outside hose diam.	Working pressure	Part no.
DN 50 x 8	64-67 mm	PN 25	030 030973
DN 75 x 8	89-93 mm	PN 25	030 030974



Aluminium Pinned Safety Shells

Pinned safety shell out of aluminium alloy, complete assembly comprising stainless steel pin. Nominal pressure: 25 bar (PN 25)

Size	Outside hose diam.	Remark	Part no.
DN 32 x 6	43-45 mm		030 030590
DN 38 x 6,5	50-52 mm		030 030592
DN 40 x 7	53-55 mm		030 030593
DN 50 x 7/8	64-66 mm		030 030600
DN 63/65 x 8	78-81 mm		030 030620
DN 75 x 8	89-92 mm		030 030630
DN 75 x 8/10	91-95 mm		030 030635
DN 100 x 8	115-118 mm		030 151605

Screws for Safety Shells

Screw and nut for safety shell.

For shell	Size	Material	Part no.
DN 50 to 75	M 8 x 25	Stainless Steel	030 030984

Pins for Safety Shells

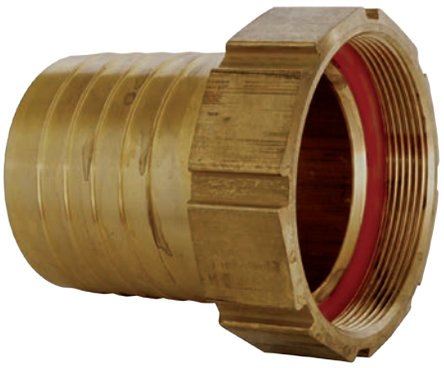
Stainless steel pin for safety shell.

for shell	Part no.
DN 38/40	030 030690
DN 50	030 030700
DN 63/65/75	030 030730

Male Hose Couplings for Clamps

Male threaded hose coupling, serrated hose tail, to be used with clamps.
Nominal pressure: 25 bar (PN 25).

Size	Thread	Material	Remark	Part no.
DN 10	BSP 1/4"	brass		030 031180
DN 13	BSP 1/2"	brass		030 031190
DN 15	BSP 1/2"	stainless steel		030 031195
DN 19	BSP 3/4"	brass		030 031200
DN 25	BSP 1"	brass		030 031210
DN 25	BSP 1"	stainless steel		030 031211
DN 32	BSP 1 1/4"	brass		030 031220
DN 38	BSP 1 1/2"	brass		030 031240
DN 38	BSP 2"	brass		030 031250
DN 48	BSP 1 1/2"	aluminium		030 031030
DN 50	BSP 2"	stainless steel		030 031286
DN 52	BSP 2"	brass		030 031285
DN 60	BSP 2"	aluminium		030 031035
DN 65	BSP 2 1/2"	brass		030 151703
DN 65	BSP 3"	brass		030 031330
DN 75	BSP 3"	brass		030 031340
DN 75	BSP 3"	brass	for rollable hose	030 031341
DN 75	BSP 3"	stainless steel		030 031350
DN 75	BSP 3"	steel		030 031351
DN 75	BSP 3"	steel	thick-walled, for highly abrasive products	030 031355
DN 80	BSP 3"	brass		030 031360
DN 100	BSP 4"	brass	PN 6	030 031380
DN 100	BSP 4"	steel	PN 6	030 031381
DN 110	BSP 4"	aluminium	PN 6	030 031383



Female Hose Couplings for Clamps

Female threaded hose coupling with swiveling nut, serrated hose tail to be used with clamps.
Nominal pressure: 25 bar (PN 25).

Size	Thread	Material	Seal	Remark	Part no.
DN 25	BSP 1"	brass	Vulkollan		030 151677
DN 32	BSP 1 1/4"	brass	Vulkollan		030 151680
DN 32	BSP 1 1/2"	brass	Vulkollan		030 151681
DN 38	BSP 1 1/2"	brass	Vulkollan		030 031020
DN 50	BSP 2"	brass	Vulkollan		030 031060
DN 63/65	BSP 2 1/2"	brass	Vulkollan		030 151684
DN 63/65	BSP 3"	brass	Vulkollan		030 031110
DN 75	BSP 3"	brass	Vulkollan		030 031120

Hose Couplings for Tank Wagon

Female threaded hose coupling of steel with swiveling nut out of aluminium. Hose tail with collar to be used with safety shells.
With female „Tank Wagon Thread“ according to former DIN 3799 / DIN 26017.

Size	Thread	Material	Seal	Remark	Part no.
DN 100	5 1/2" DIN 11	steel	Vulkollan	double-wing-nut	030 031150
DN 100	5 1/2" DIN 11	steel	Vulkollan	rip nut	030 031151

Flanged Hose Couplings

Steel flanged hose coupling, according to DIN PN 10/16. Suitable to be used with clamps and safety shells.

Size	Hole pattern	Remark	Part no.
DN 75	160 x 8 x 18	swiveling flange DN 80	030 151642
DN 100	180 x 8 x 18	swiveling flange DN 100	030 031377
DN 100	180 x 8 x 18	fixed flange DN 100	030 031378

TW Male Couplings, Type VK

TW coupling, male part, female threaded, according to EN 14420-6 (DIN 28450).
Nominal pressure: 16 bar (PN 16)

Size	Thread	Material	Seal	Type	Remark	Part no.
DN 50	BSP 2“	brass	Vulkollan	TW 1501		030 031510
DN 50	BSP 2"	brass	Silicone	TW 1501	for hot air	030 151729
DN 50	BSP 1 1/2"	brass	Vulkollan	TW 1508		030 031511
DN 50	BSP 2 1/2"	brass	Vulkollan	TW 1501		030 031512
DN 50	2 BSP"	stainless steel	PTFE	TW 1501		030 031413
DN 50	BSP 2"	stainless steel	PTFE	TW 1501	with black coating	030 031519
DN 50	BSP 2"	stainless steel	PTFE	TW 1501	with red PFA coating	030 031517
DN 50	BSP 2"	stainless steel	PTFE	TW 1501	with white PTFE insert	030 151735
DN 80	BSP 3"	brass	Vulkollan	TW 501		030 035010
DN 80	BSP 3"	brass	Silicone	TW 501	for hot air	030 151764
DN 80	BSP 3"	brass	Oilit	TW 501	for hot bitumen	030 151763
DN 80	BSP 2 1/2"	brass	Vulkollan	TW 518		030 035011
DN 80	BSP 3"	aluminium	Vulkollan	TW 501		030 035012
DN 80	BSP 3"	stainless steel	PTFE	TW 501		030 034013
DN 80	BSP 3"	stainless steel	PTFE	TW 501	with black coating	030 035017
DN 80	BSP 3"	stainless steel	PTFE	TW 501	with red PFA coating	030 035016
DN 80	BSP 3"	stainless steel	PTFE	TW 501	with white PTFE insert	030 151769
DN 100	BSP 4"	brass	Vulkollan	VK 100		030 035100
DN 100	BSP 4"	stainless steel	PTFE	VK 100		030 034105

Crown Pieces for TW Female Couplings, Type MK

Crown piece for female part of TW coupling, female threaded, according to EN 14420-6 (DIN 28450).
Nominal pressure: 16 bar (PN 16)

Size	Thread	Material	Thread seal	Coupling seal	Type	Remark	Part no.
DN 50	BSP 2"	brass	Vulkollan	CR, black	TW 1502		030 031520
DN 50	BSP 2"	brass	Vulkollan	Silicone, transparent	TW 1502	for hot air	030 031523
DN 50	BSP 2" male	brass	Vulkollan	CR, black	TW 1502		030 031521
DN 50	BSP 2"	ss	PTFE	Hypalon, green	TW 1502		030 031422
DN 50	BSP 2"	ss	PTFE	Hypalon, green	TW 1502	with black coating	030 031525
DN 50	BSP 2"	ss	PTFE	Hypalon, green	TW 1502	with red PFA coating	030 031527
DN 50	BSP 2"	ss	PTFE	Hypalon, green	TW 1502	with white PTFE insert	030 151748
DN 80	BSP 3"	brass	Vulkollan	CR, black	TW 502		030 035020
DN 80	BSP 3"	brass	Silicone	Silicone, transparent	TW 502	for hot air	030 151774
DN 80	BSP 3"	aluminium	Vulkollan	CR, black	TW 502		030 035021
DN 80	BSP 3"	brass	Oilit	Vamac, black	TW 502	for hot bitumen	030 035024
DN 80	BSP 3"	ss	PTFE	Hypalon, green	TW 502		030 034022
DN 80	BSP 3"	ss	PTFE		TW 502	with black coating	030 035027
DN 80	BSP 3"	ss	PTFE		TW 502	with red PFA coating	030 035026
DN 80	BSP 3"	ss	PTFE		TW 502	with white PTFE insert	030 151781
DN 100	BSP 4"	brass	Vulkollan	Perbunan-O-ring	MK 100		030 035110
DN 100	BSP 4"	brass	Vulkollan	Perbunan-O-ring	MK 100	handle angled at 45°	030 035115
DN 100	BSP 4"	ss	PTFE	Hypalon-O-ring	MK 100		030 034113

Coupling Nuts for TW Female Couplings, Type MK

Coupling nut with lever for female part of TW coupling, according to EN 14420-6 (DIN 28450).
Nominal pressure: 16 bar (PN 16)

Size	Material	Type	Remark	Part no.
DN 50	brass	TW 1503/4		030 031530
DN 50	brass	TW 1503/4	with integrated permanent magnet (for mineral oil)	030 031534
DN 50	stainless steel	TW 1503/4		030 031432
DN 80	brass	TW 503/4		030 035030
DN 80	brass	TW 503/4	with integrated permanent magnet (for mineral oil)	030 035034
DN 80	brass	TW 503/4	handle angled at 32°	030 035035
DN 80	aluminium	TW 503/4		030 035032
DN 80	stainless steel	TW 503/4		030 034033
DN 80	stainless steel	TW 503/4	with locking device	030 035039
DN 80	stainless steel	TW 503/4	handle angled at 90°	030 151793

Dust Caps, Type MB

Dust cap for female part of TW coupling, according to EN 14420-6 (DIN 28450) without chain
Nominal pressure: 16 bar (PN 16)

Size	Material	Seal	Type	Remark	Part no.
DN 50	aluminium	CR, black	TW 1506		030 031560
DN 50	brass	CR, black	TW 1506		030 031561
DN 50	stainless steel	Hypalon, green	TW 1506		030 031562
DN 50	aluminium	CR, black	TW 1506	with GEKA-connection	030 031565
DN 80	aluminium	CR, black	TW 506		030 035061
DN 80	brass	CR, black	TW 506		030 035060
DN 80	stainless steel	CR, black	TW 506		030 035062
DN 80	brass	CR, black	TW 506	lockable, compl. with VK 80 and 2 keys	030 035065
DN 80	aluminium	CR, black	TW 506	with GEKA-connection	030 035063
DN 80	aluminum	CR, black	TW 506	with eyelet for padlock	030 035066
DN 100	alloy	CR, black	MB 100		030 035130
DN 100	stainless steel	Hypalon, green	MB 100		030 035131

Dust Plugs, Type VB

Dust plug for male part of TW coupling, according to EN 14420-6 (DIN 28450) without chain.
Nominal pressure: 16 bar (PN 16) - ecept where otherwise noted.

Size	Material	Type	Remark	Part no.
DN 50	polyamid	TW 1507	PN 6	030 031570
DN 50	aluminium	TW 1507		030 031571
DN 50	brass	TW 1507		030 031572
DN 50	stainless steel	TW 1507		030 031573
DN 80	polyamid	TW 507	PN 6	030 035070
DN 80	aluminium	TW 507		030 035071
DN 80	brass	TW 507		030 035072
DN 80	stainless steel	TW 507		030 035073
DN 100	polyamid	VB 100	PN 2,5	030 035120
DN 100	aluminium	VB 100		030 035121
DN 100	stainless steel	VB 100		030 035123

Spanners

Spanner for TW-couplings

Size	width of spanner	Material	Remark	Part no.
DN 80	3" 95/100 mm	steel	hook spanner	030 035200
DN 50	2" 60/90 mm	galvanized steel	hinged hook spanner	030 035205
DN 50-100	2"-4" 90/155 mm	galvanized steel	hinged hook spanner	030 035210
DN 50-100	2-4“ 90/155 mm	stainless steel	fhinged hook spanner	030 035211
DN 125-150	5"-6" 155/230 mm	galvanized steel	hinged hook spanner	030 035215
DN 50	2"	steel	TW mounting spanner	030 035220
DN 80	3"	steel	TW mounting spanner	030 035230
DN 50	2"	stainless steel	TW mounting spanner	030 151882
DN 80	3"	stainless steel	TW mounting spanner	030 158134

Chains

Chain with hardened S-hook for TW-cap and plug

Size	Material	Remark	Part no.
DN 50/80	stainless steel	length: 300 mm	030 031700
DN 50/80	brass	length: 200 mm, hooks of stainless steel	030 031705

Protection Rings for VK

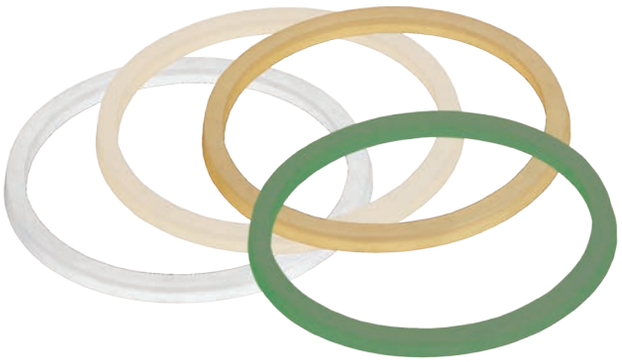
Protection ring for TW-male coupling

Size	Material	Remark	Part no.
DN 50	polyamid, yellow	for VK 50	030 151888
DN 80	polyamid, yellow	for VK 80	030 035370
DN 100	polyamid, yellow	for VK 100	030 151890

TW-Seals with profiled Section

Seal with profiled section for TW-MK crown piece, according to EN 14420-6 (DIN 28450)

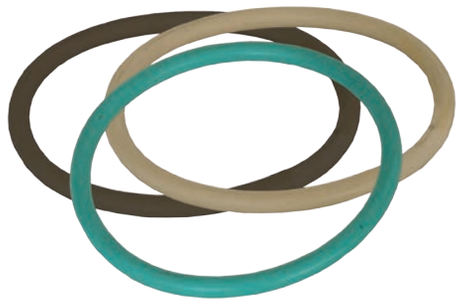
Size	Material	Type	Remark	Part no.
DN 50	CR, black	TW 1505	for mineral oils / bulky material	030 035470
DN 50	Vulkollan, blue	TW 1505	for solvents	030 035471
DN 50	Hypalon, green	TW 1505	for acids and alkalis	030 035472
DN 50	Viton, black	TW 1505	for acids and alkalis	030 035473
DN 50	Silicone, transparent	TW 1505	for hot air	030 035469
DN 80	CR, black	TW 505	for mineral oils / bulky material	030 035480
DN 80	Vulkollan, blue	TW 505	for solvents	030 035481
DN 80	Hypalon, green	TW 505	for acids and alkalis	030 035482
DN 80	Viton, black	TW 505	for acids and alkalis	030 035483
DN 80	Vamac, black	TW 505	for hot bitumen	030 035484
DN 80	Silicone, transparent	TW 505	for hot air	030 035494



TW-Seals with flat Section

Seal with flat section for TW-caps and MK-crownpieces, according to EN 14420-6 (DIN 28450)

Size	Material	Type	Remark	Part no.
DN 50	CR, white	TW 1505	for foodstuff, PVC-granulates	030 035462
DN 50	CR, black	TW 1505	for mineral oil / bulky material	030 035474
DN 50	Vulkollan, blue	TW 1505	for solvents	030 035475
DN 50	Hypalon, green	TW 1505	for acids and bases	030 035476
DN 50	Viton, black	TW 1505	for acids and bases	030 035477
DN 50	PTFE, white	TW 1505	for universal application	030 035478
DN 50	Silicone, transparent	TW 1505	for hot air	030 035479
DN 80	CR, white	TW 505	for foodstuff, PVC-granulates	030 035463
DN 80	CR, black	TW 505	for mineral oil / bulky material	030 035485
DN 80	Vulkollan, blue	TW 505	for solvents	030 035486
DN 80	Hypalon, green	TW 505	for acids and bases	030 035487
DN 80	Viton, black	TW 505	for acids and bases	030 035488
DN 80	PTFE, white	TW 505	for universal application	030 035489
DN 80	Silicone, transparent	TW 505	for hot air	030 035495



O-Rings for MK 100

O-ring seal for TW MK 100, according to EN 14420-6 (DIN 28450)

Size	Material	Remark	Part no.
DN 100	CR, black	for mineral oil / bulky material	030 035490
DN 100	CR, grey	for foodstuff, PVC-granulates	030 035493
DN 100	Silicone, transparent	for hot air	030 035500
DN 100	Hypalon, green	for acids and bases	030 035501

Thread Seals

Seal, suitable for BSP female threads

Size	Dimension	Material	Part no.
1/2"	20 x 13 x 2 mm	Vulkollan	030 035400
3/4"	26 x 19 x 2 mm	Vulkollan	030 035401
1"	33 x 23 x 2 mm	Vulkollan	030 035402
1 1/4"	42 x 34 x 2 mm	Vulkollan	030 035403
1 1/2"	48 x 39 x 2 mm	Vulkollan	030 035404
2"	60 x 49 x 2 mm	Vulkollan	030 035405
2 1/2"	76 x 63 x 3 mm	Vulkollan	030 035406
3"	88 x 75 x 3 mm	Vulkollan	030 035407
4"	114 x 100 x 3 mm	Vulkollan	030 035408
5 1/2" (DIN 11)	140 x 102 x 3 mm	Vulkollan	030 035409
1/2"	20 x 13 x 2 mm	PTFE	030 151856
3/4"	26 x 19 x 2 mm	PTFE	030 151857
1"	33 x 23 x 2 mm	PTFE	030 151858
1 1/4"	42 x 34 x 2 mm	PTFE	030 151859
1 1/2"	48 x 39 x 2 mm	PTFE	030 035425
2"	60 x 49 x 2 mm	PTFE	030 035420
2 1/2"	76 x 63 x 3 mm	PTFE	030 035421
3"	88 x 75 x 3 mm	PTFE	030 035422
4"	114 x 100 x 3 mm	PTFE	030 035423
5 1/2" (DIN 11)	140 x 102 x 3 mm	PTFE	030 035424
1/2"	20 x 13 x 2 mm	Oilit	030 151851
3/4"	26 x 19 x 2 mm	Oilit	030 181852
1"	33 x 23 x 2 mm	Oilit	030 151853
1 1/4"	42 x 34 x 2 mm	Oilit	030 151854
1 1/2"	48 x 39 x 2 mm	Oilit	030 151855
2"	60 x 49 x 2 mm	Oilit	030 035415
2 1/2"	76 x 63 x 3 mm	Oilit	030 035416
3"	88 x 75 x 3 mm	Oilit	030 035417
4"	114 x 100 x 3 mm	Oilit	030 035418
5 1/2" (DIN 11)	140 x 102 x 3 mm	Oilit	030 035419
2"	60 x 49 x 2 mm	Silicone	020 151464
2 1/2"	76 x 63 x 2 mm	Silicone	020 151466
3"	88 x 75 x 3 mm	Silicone	020 151468
4"	114 x 100 x 3 mm	Silicone	020 151471

PTFE Sealing Tape

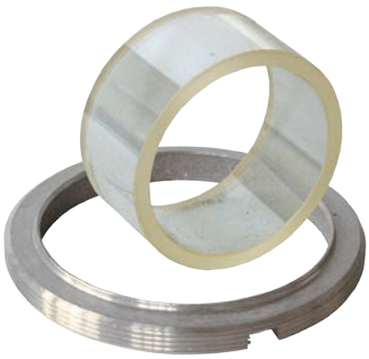
PTFE sealing tape for all kinds of threads

Dimensions	Remark	Part no.
12 x 0,1 mm	length of roll: 12 m	030 035499

Sight Glass Fittings

Sight glass fitting for tanktrucks, insert made of either glass or plastic (for foodstuff transportation), PN 10
seals of white Perbunan (CR)

Size	Connection 1	Connection 2	Material	Remark	Part no.
DN 80	BSP 3" female thread	BSP 3" male thread	aluminium		030 037080
DN 80	BSP 3" female thread	BSP 3" male thread	aluminium	glass out of plastic, PN 2,2	030 037083
DN 80	BSP 3" male thread	BSP 3" male thread	aluminium		030 037081
DN 80	3" female thread	3 BSP" male thread	brass	black Vulkollan gasket	030 152067
DN 80	Flange TW 1	BSP 3" male thread	aluminium		030 037180
DN 80	Flange TW 1	BSP 3" male thread	aluminium	single-piece item, TW 511	030 037181
DN 80	Flange TW 1	BSP 3" male thread	brass	single-piece item, black gasket	030 152057
DN 80	BSP 3" male thread	BSP 3" male thread	stainless steel	glass out of plastic, PN 2,2, with splinter guard	140 149510
DN 100	BSP 4" female thread	BSP 4" male thread	aluminium		030 037100
DN 100	BSP 4" female thread	BSP 4" male thread	aluminium	glass out of plastic, PN 1,8	030 037103
DN 100	Flange TW 3	BSP 4" male thread	aluminium	single-piece item	030 037200



Spare Parts for Sight Glasses

Spare parts for sight glasses, PN 10

Size	Designation	Remark	Part no.
DN 80	glass, TW 514	90 x 80 x 45 mm	030 037380
DN 80	plastic glass	90 x 80 x 45 mm, for foodstuffs ,PN 2,2	030 037381
DN 100	glass	120 x 102 x 76 mm	030 037400
DN 100	plastic glass	120 x 102 x 76 mm, for foodstuffs, PN 1,8	030 037401
DN 80	aluminium adapter	3" FT, for part no.: 030 037080	030 037402
DN 80	aluminium adapter	3" MT, for part no.: 030 037081	030 037403
DN 80	aluminium flange	TW1	030 037404
DN 80	aluminium adapter	3" MT, for part no.: 030 037180	030 037405
DN 100	alloy adapter	3" MT, for part no.: 030 037100	030 037406
DN 80	flat seal	CR, white	030 037410
DN 100	profilated seal	CR, white	030 037500
DN 80	brass threaded ring	for part no.: 030 037180	030 037580
DN 100	brass threaded ring	for part no.: 030 037200	030 037600

Tanktruck Welding Flanges, Aluminium

Aluminium tanktruck welding flang with pipe stop. Nominal pressure: 10 bar (up to +110° C).

Size	Inner diam.	Standard	Remark	Part no.
DN 50	59,0 mm, for pipe: 57,0 mm	TW 1	DIN 28460	030 036050
DN 50	60,3 mm	TW 1	DIN 28460	030 036051
DN 65	77,0 mm for pipe: 76,1 mm	TW 1	DIN 28460	030 036065
DN 80	91,0 mm for pipe: 88,9 mm	TW 1	DIN 28460	030 036080
DN 100	88,9 mm	TW 3	DIN 28461, without pipe stop	030 036090
DN 100	108 mm	TW 3	DIN 28461, without pipe stop	030 036091
DN 100	111,0 mm for pipe: 108 mm	TW 3	DIN 28460	030 036100
DN 100	115,0 mm	PN 10/16	without pipe stop	030 151932

Tanktruck Welding Flanges, Steel

Steel tanktruck welding flange, smooth surface. Nominal pressure: 10 bar (up to +110° C).

Size	Inner diam.	Standard	Remark	Part no.
DN 65	76,1 mm	TW 1	DIN 28461	030 036165
DN 80	88,9 mm	TW 1	DIN 28461	030 036180
DN 80	88,9 mm	PN 10/16	DIN 2576	030 036185
DN 80	108 mm	PN 10/16	DIN 2576	030 036190
DN 100	88,9 mm	TW 3		030 036192
DN 100	102 mm	TW 3		030 036195
DN 100	108 mm	TW 3	DIN 28461	030 036200
DN 150	150 mm	Spitzer	strength: 10 mm	030 151957
DN 150	150 mm	Spitzer	strength: 3 mm	030 036201
DN 150	160 mm	TW 7	DIN 28461	030 151959
DN 200	200 mm	Spitzer	strength: 3 mm	030 036205
DN 200	200 mm	Feldbinder	strength: 10 mm	030 151965

Tantruck Welding Flanges, Stainless Steel

Stainless steel tank truck welding flange, smooth surface. Nominal pressure: 10 bar (up to +110° C). Material: AISI 316

Size	Inner diam.	Standard	Remark	Part no.
DN 80	88,9 mm	TW 1		030 036210
DN 80	88,9 mm	PN 10/16		030 036241
DN 100	108 mm	TW 3		030 036220

Welding Flanges, Steel

Welding flange out of steel, stamped

Size	Inner diam	Standard	Remark	Part no.
DN 50	60,3 mm	PN 10/16	DIN 2633	030 151907
DN 80	88,9 mm	PN 10/16	DIN 2633	030 151948
DN 100	114,3 mm	PN 10/16	DIN 2633	030 151912

Tanktruck Blindflanges

Blindflange for tank truck

Size	Material	Standard	Part no.
DN 50-80	aluminium	TW 1	030 152044
DN 50-80	steel	TW 1	030 036280
DN 50-80	stainless steel	TW 1	030 152045
DN 100	aluminium	TW 3	030 152041
DN 100	steel	TW 3	030 036300
DN 100	stainless steel	TW 3	030 152052

Stub-End Flanges, male threaded

Male threaded flange with smooth surface.

Size	Thread	Standard	Material	Part no.
DN 50	BSP 2"	TW 1	aluminium	030 036350
DN 80	BSP 3"	TW 1	aluminium	030 036380
DN 80	BSP 3"	TW 1	steel	030 036382
DN 80	BSP 3"	TW 1	stainless steel	030 036230
DN 100	BSP 4"	TW 3	aluminium	030 036400
DN 100	BSP 4"	TW 3	steel	030 036401
DN 100	BSP 4"	PN 10/16	steel	030 036405
DN 100	BSP 4"	TW 3	stainless steel	030 036250

Stud-End Flanges, female threaded

Female threaded stud-flange with smooth surface.

Size	Thread	Standard	Material	Remark	Part no.
DN 80	BSP 3"	TW 1	aluminium		030 036480
DN 80	BSP 3"	TW 1	steel		030 036481
DN 100	BSP 4"	TW 3	aluminium		030 036500
DN 100	BSP 4"	TW 3	steel		030 036501

Dispensing Nozzles, Type ZH

Non-automatic high performance dispensing nozzle, type ZH. With checkvalve, for wet hose delivery.
Suitable for diesel, domestic oil, gasoil.
Working pressure: 10 bar (PN 10), max. 450 l/min.

Size	Connection 1	Connection 2	Type	Part no.
DN 50	MK 50, brass	BSP 2" male, swivel	ZH 50.2	030 038210

Dispensing Nozzles, Type ZV

Non-automatic high performance dispensing nozzle, type ZV. With checkvalve, for wet hose delivery.
Suitable for diesel, domestic oil, gasoil.
Working pressure: 10 bar (PN 10), max. 750 l/min.

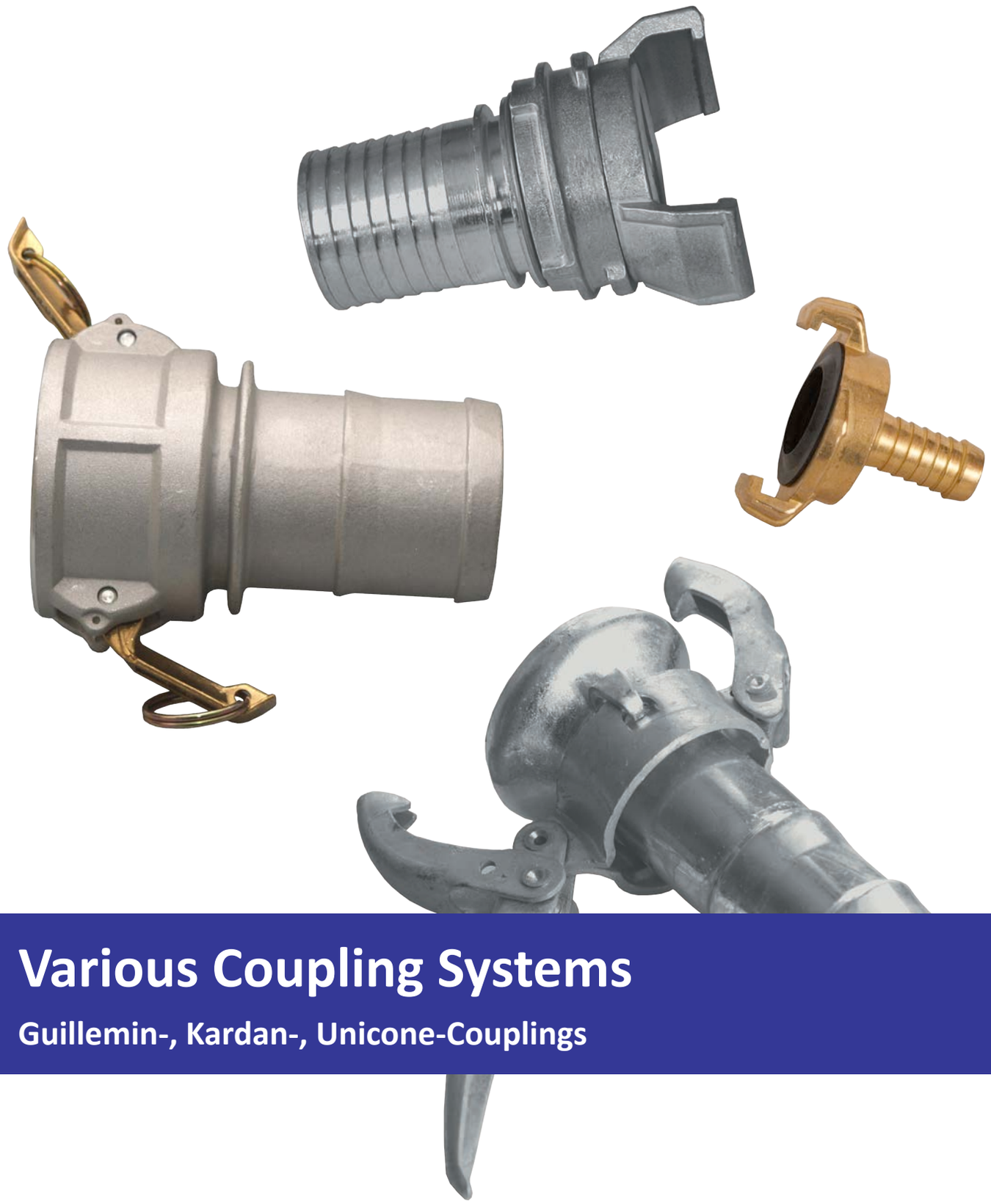
Size	Connection 1	Connection 2	Type	Part no.
DN 50	MK 50, brass	BSP 2“ male, swivel	ZV 500.2	030 038211

Kardan - Couplings 91 - 98

French - Couplings (Type Guillemin) 99 - 107

Unicone - Couplings 108

Italian - Couplings 109



Various Coupling Systems

Guillemin-, Kardan-, Unicone-Couplings

Kardan Hose Fittings, Male Part

Kardan coupling, male part, with hose tail, according to DIN 2444. Material: galvanized steel.
To be used with clamps, nominal pressure: 15 bar (PN 15)

Size	For hose diam.	Remark	Part no.
50	DN 50		040 040039
89	DN 75		040 040040
89	DN 80		040 040050
89	DN 90		040 040060
108	DN 90		040 152251
108	DN 100		040 040070
133	DN 100		040 152253
133	DN 127		040 152254
159	DN 152	PN 8	040 152255

Kardan Hose Fittings, Female Part

Kardan-coupling, female part, with hose tail, according to DIN 2444. Material: galvanized steel.
To be used with clamps, nominal pressure: 15 bar (PN 15),
Seal: CR, black

Size	For hose diam.	Remark	Part no.
50	DN 50		040 040075
89	DN 75		040 040080
89	DN 80		040 040090
89	DN 90		040 040100
108	DN 90		040 152257
108	DN 100		040 040110
133	DN 127		040 152260
159	DN 152	PN 8	040 152261

Kardan Adapters, Male Part

Kardan coupling, male part, with male threaded stud-end, according to DIN 2444. Material: galvanized steel.
Nominal pressure: 15 bar (PN 15). Long version.

Size	Thread	Remark	Part no.
50	BSP 2"		040 152198
50	BSP 2 1/2"		040 152199
89	BSP 2 1/2"		040 152202
89	BSP 3"		040 040001
108	BSP 3"		040 152203
108	BSP 4"		040 040005
133	BSP 5"		040 152206
159	BSP 6"	PN 8	040 152209

Kardan Adapters, Female Part

Kardan-coupling, female part, with male threaded stud-end, according to DIN 2444. Material: galvanized steel
Nominal pressure: 15 bar (PN 15),
long version, seal: CR, black

Size	Male thread	Remark	Part no.
DN 50	BSP 2"		040 152211
DN 50	BSP 2 1/2"		040 152212
DN 89	BSP 2 1/2“		040 152215
DN 89	BSP 3"		040 040015
DN 89	BSP 3"		040 040010
DN 108	BSP 3"		040 040025
DN 108	BSP 4"		040 040030
DN 133	BSP 5"		040 152221
DN 159	BSP 6"	PN 8	040 152222

Kardan Adapters, Female Part, Stainless Steel

Kardan-coupling, female part, with male threaded stud-end, according to DIN 2444. Material: stainless steel
Nominal pressure: 2 bar (PN 2)
long verson, seal: CR, white

Size	Male thread	Part no.
108	BSP 3"	040 040029

Welding Kardan Adapters, Male Part

Kardan-coupling, male part, with stud-end for welding, according to DIN 2444. Material: galvanized steel
Nominal pressure: 15 bar (PN 15).

Size	Remark	Part no.
50	short version	040 152225
50	long version	040 152231
89	long version	040 040031
89	short version	040 040035
108	long version	040 040032
108	short version	040 040036
133	short version	040 152229
159	long version, WP: 8 bar	040 152235

Welding Kardan Adapters, Female Part

Kardan-coupling, female part, with stud-end for welding, according to DIN 2444. Material: galvanized steel
Nominal pressure: 15 bar (PN 15), seal: CR, black

Size	Remark	Part no.
50	short version, not yet assembled	040 152236
50	long version	040 152242
89	long version	040 040033
89	short version, not yet assembled	040 040037
108	long version	040 040034
108	short version, not yet assembled	040 040038
133	long version	040 152246
133	short version, not yet assembled	040 152240
159	long version	040 152247
159	short version, not yet assembled, WP: 8 bar	040 152241

Kardan Blind-Plugs, Male Part

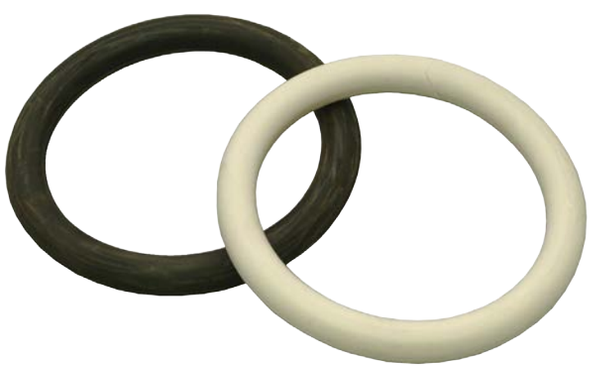
Kardan Blind-plug, male part, according to DIN 2444. Material: galvanized steel
Nominal pressure: 15 bar (PN 15)

Size	Remark	Part no.
89		040 152274
108		040 152276
159	PN 8	040 152277

Kardan Blind-Caps, Female Part

Kardan blind-cap, female part, according to DIN 2444. Material: galvanized steel
Seal: CR, black

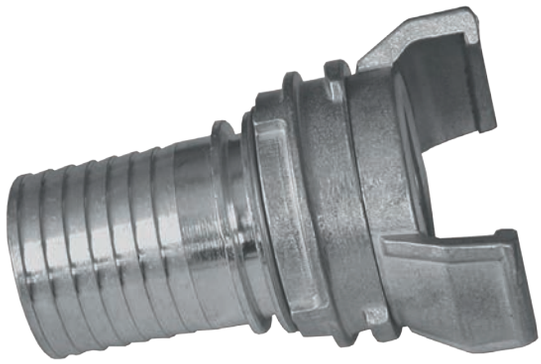
Size	Remark	Part no.
108	WP: 15 bar	040 040117
159	WP: 8 bar	040 152278



Kardan Seals

Seal for Kardan coupling

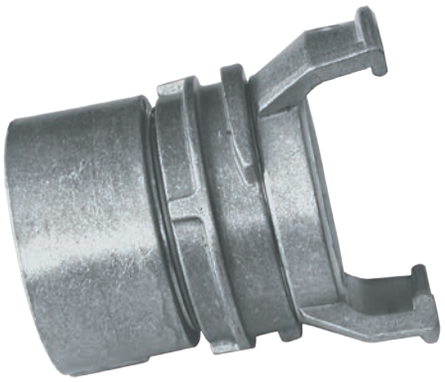
Size	Remark	Part no.
89	CR, black	040 040120
108	CR, black	040 040130
108	CR, white	040 040131
108	black, for hot bitumen	040 040150
159	CR, black	040 040135



Guillemin Hose Fittings

Guillemin hose fitting with locking device.
Suitable for assembles with either clamp or with safety shell.
Seal: CR, white

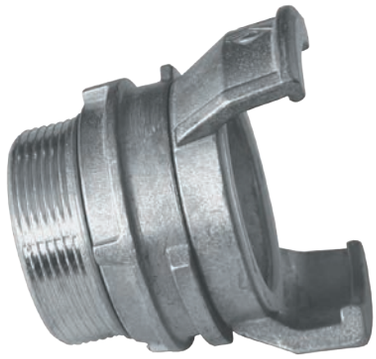
Size	For hose diam.	Material	Part no.
40	DN 40	aluminium	040 040990
40	DN 45	aluminium	040 040995
50	DN 50	aluminium	040 041000
50	DN 50	polypropylene	040 041001
50	DN 55	aluminium	040 041002
50	DN 50	stainless steel	040 041003
65	DN 65	aluminium	040 041005
65	DN 70	aluminium	040 041007
80	DN 76	aluminium	040 041421
80	DN 75	stainless steel	040 041011
80	DN 80	aluminium	040 041020
80	DN 90	aluminium	040 041025
100	DN 100	aluminium	040 041040



Guillemin Adapters, Female Threaded

Female threaded Guillemin adapter with locking device.
Seal: CR, white

Size	Thread	Material	Part no.
DN 25	BSP 1"	aluminium	040 152307
DN 40	BSP 1 1/2"	aluminium	040 041077
DN 40	BSP 1 1/2"	stainless steel	040 041075
DN 50	BSP 2"	aluminium	040 041080
DN 50	BSP 2"	stainless steel	040 041082
DN 50	BSP 2"	polypropylene	040 041081
DN 65	BSP 2"	aluminium	040 041084
DN 65	BSP 2 1/2"	aluminium	040 041085
DN 65	BSP 2 1/2"	stainless steel	040 041087
DN 80	BSP 2 1/2"	aluminium	040 041089
DN 80	BSP 3"	aluminium	040 041090
DN 80	BSP 3"	stainless steel	040 041092
DN 80	BSP 3"	polypropylene	040 041091
DN 80	BSP 3"	bronze	040 041210
DN 100	BSP 3"	aluminium	040 152311
DN 100	BSP 4"	aluminium	040 041100
DN 100	BSP 4"	stainless steel	040 041101
DN 100	BSP 4"	bronze	040 041220



Guillemin Adapters, Male Threaded

Male threaded Guillemin adapter with locking device.
Seal: CR, white

Size	Thread	Material	Part no.
DN 40	BSP 1 1/2"	alminium	040 041048
DN 40	BSP 1 1/2"	stainless steel	040 041045
DN 50	BSP 1 1/2"	aluminium	040 041049
DN 50	BSP 2"	alminium	040 041050
DN 50	BSP 2"	stainless steel	040 041237
DN 50	BSP 2"	polypropylene	040 041051
DN 65	BSP 2 1/2"	stainless steel	040 041086
DN 80	BSP 2 1/2"	aluminium	040 041055
DN 80	BSP 3"	aluminium	040 041060
DN 80	BSP 3"	stainless steel	040 041062
DN 80	BSP 3"	polypropylene	040 041061
DN 80	BSP 3"	bronze	040 041230
DN 100	BSP 4"	alminium	040 041070
DN 100	BSP 4"	stainless steel	040 041072
DN 100	BSP 4"	polypropylene	040 041071
DN 100	BSP 4"	bronze	040 041235

Guillemin Reducers

Guillemin reducer with locking device.
Seal: CR, white

Size	Remark	Part no.
DN 40/50	aluminium	040 041161
DN 40/80	aluminium	040 041163
DN 50/65	aluminium	040 041166
DN 50/80	aluminium	040 041165
DN 50/80	stainless steel	040 041300
DN 50/80	polypropylene	040 041164
DN 65/80	aluminium	040 041168
DN 80/100	aluminium, unsuitable for plastic granulates	040 041189
DN 80/100	aluminium, suitable for plastic granulates	040 041199
DN 80/100	stainless steel	040 041167

Guillemin Blind Caps

Guillemin blind cap with locking device, complete with chain.
Seal: CR, white

Size	Material	Part no.
DN 40	aluminium	040 041169
DN 50	aluminium	040 041170
DN 50	stainless steel	040 041171
DN 65	aluminium	040 041188
DN 80	aluminium	040 041180
DN 80	stainless steel	040 041181
DN 100	aluminium	040 041190
DN 100	bronze	040 041236

Guillemin Adapters, without Lugs, Female Threaded

Female threaded aluminium Guillemin adapter, with locking device, without lugs
(can be connected with the hose-coupling in any position).
Seal: CR, white

Size	Female thread	Remark	Part no.
50	BSP 2"		040 041375
65	BSP 2 1/2"		040 041380
80	BSP 3"		040 041390
100	BSP 4"		040 041395

Guillemin Adapters, without Lugs, Male Threaded

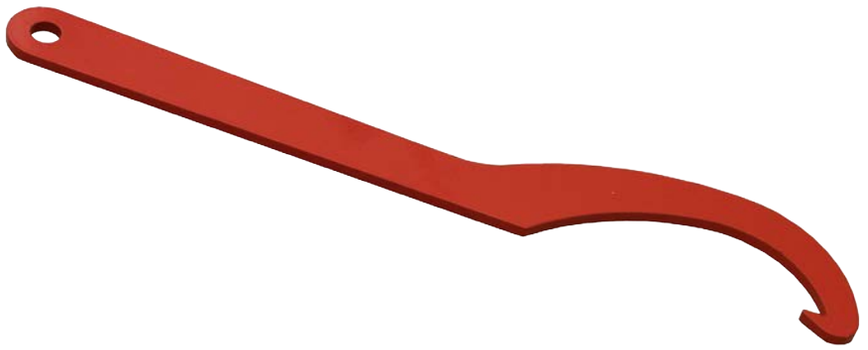
Male threaded aluminium Guillemin adapter, with locking device, without lugs
(can be connected with the hose coupling in any position).
Seal: CR, white

Size	Male thread	Remark	Part no.
50	BSP 2"		040 041340
65	BSP 2 1/2"		040 041350
80	BSP 3"		040 041360
100	BSP 4"		040 041365

Guillemin/Storz Adapters

Adapter, connecting Guillemin coupling with locking device to Storz coupling.
Material: aluminium, with white CR seal

Size Guillemin	Size Storz	Remark	Part no.
DN 50	C		040 041600
DN 65	C		040 041605
DN 80	C		040 041610
DN 80	B		040 041625
DN 100	A		040 041640
DN 100	A	swiveling	040 041645
DN 50	C	Storz with locking device	040 041650
DN 80	C	Storz with locking device	040 041650
DN 80	B	Storz with locking device	040 041660
DN 100	A	Storz with locking device	040 041670



Guillemin Spanners

Spanner for Guillemin couplings.
Material: steel

Size	Remark	Part no.
DN 20-65		040 152365
DN 50-100		040 041290
DN 50-100	heavy duty version	040 041291

Guillemin Locking Rings

Locking ring for Guillemin coupling

Size	Material	Part no.
80	aluminium	040 041408
80	galvanized steel	040 152329
100	aluminium	040 152335

Guillemin Seals

Seal for Guillemin-couplings

Size	Material	Part no.
40	CR, black	040 041242
40	CR, white	040 041243
50	CR, black	040 041240
50	CR, white	040 041241
50	Silicone, transparent	040 041285
50	Viton, black	040 041270
50	PTFE, white	040 041295
65	CR, black	040 041245
65	CR, white	040 041247
65	Silicone, transparent	040 041286
80	CR, black	040 041250
80	CR, white	040 041246
80	Silicone, transparent	040 041287
80	Viton, black	040 041280
80	PTFE, white	040 041297
100	CR, black	040 041260
100	CR, white	040 041261
100	Silicone, transparent	040 041288
100	PTFE, white	040 041298

Unicone-Couplings

British standard coupling, Unicone-type

Size	Remarks	Material	Part no.
DN 100	BSP 4" male threaded, long version	stainless steel	040 042400
DN 100	BSP 4" male threaded, short version	stainless steel	040 042403
DN 100	with hose shank DN 100, to be used for clamp	stainless steel	040 042420
DN 100	with weld-on stud	steel	040 042415

Unicone Accessories

Accessories for Unicone couplings

Description	Part no.
lever DN 100 cpl. with seal	040 042401
seal DN 100, white Perbunan	040 042402

Italian Adapters

Italian flange coupling DN 100, out of aluminium.
Flange pattern: 160 x 4 x 20, nominal pressure: 2 bar (PN 2)

Male thread	Remark	Part no.
BSP 3" AG		030 036600
BSP 4" AG, long	length of threaded nipple: 100 mm	030 036601
BSP 4" AG, short	length of threaded nipple: 45 mm	030 036602

Accessories for Italian Adapters

Accessories for Italian adapter

Description	Part no.
pin of galv. steel, complete with splint and chain	030 036603
flange seal out of Perbunan, white, 215 x 80 x 3 mm	030 039585
flange seal out of Perbunan, white, 215 x 80 x 10 mm	030 039586
flange seal out of Perbunan, white, 210 x 100 x 4 mm	060 153988
flange seal out of Perbunan, white, 210 x 100 x 10 mm	060 158220

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Pipe-Clamps for Manifolds	119

Hose-Clamps, Hose-Labeling

Hose Clamps, One-piece

One-piece hose clamp.
Material: galvanized steel

Size/Width	Part no.
14/12 mm	050 152790
18/12 mm	050 051018
20/12 mm	050 152792
24/12 mm	050 152793
25/15 mm	050 051025
28/12 mm	050 152795
32/12 mm	050 152796
35/20 mm	050 051035
37/20 mm	050 051037
39/20 mm	050 051039
42/20 mm	050 152798
44/20 mm	050 051044
48/20 mm	050 051048
50/20 mm	050 051050
52/20 mm	050 051052
54/20 mm	050 051054
56/20 mm	050 051056
58/20 mm	050 051058
60/20 mm	050 051060
76/20 mm	050 152802
80/20 mm	050 152804
92/20 mm	050 051092
108/20 mm	050 152806

Hose Clamps, Two-piece

Two-piece hose clamp, type NORMA
material: galvanized steel

Size/Width	Part no.
54/20 mm	050 052054
58/20 mm	050 052058
60/20 mm	050 052060
64/20 mm	050 052064
66/20 mm	050 052066
72/20 mm	050 052072
74/20 mm	050 152810
76/20 mm	050 052076
78/20 mm	050 052078
80/20 mm	050 052080
82/20 mm	050 052082
84/20 mm	050 052084
86/20 mm	050 052086
88/20 mm	050 052088
90/20 mm	050 052090
92/20 mm	050 052092
94/20 mm	050 052094
96/20 mm	050 052096
98/20 mm	050 052098
100/20 mm	050 052100
102/20 mm	050 052102
108/20 mm	050 052108
114/25 mm	050 052114
116/25 mm	050 052116
118/25 mm	050 052118
120/25 mm	050 052120
124/25 mm	050 052124
128/25 mm	050 052128
132/25 mm	050 152817

„Heavy Duty“ Hose Clamps, Steel

One-piece hose clamp „Heavy Duty“-version
Material: galvanized steel

Range	Width	Part no.
32-35 mm	20 mm	050 152881
36-39 mm	20 mm	050 152882
40-43 mm	20 mm	050 152883
44-47 mm	22 mm	050 152884
48-51 mm	22 mm	050 152885
51-55 mm	20 mm	050 054052
55-59 mm	20 mm	050 054055
59-63 mm	20 mm	050 054060
63-68 mm	20 mm	050 054065
68-73 mm	25 mm	050 054073
73-79 mm	25 mm	050 054074
79-85 mm	25 mm	050 054080
85-91 mm	25 mm	050 054086
91-97 mm	25 mm	050 054092
97-104 mm	25 mm	050 054098
104-112 mm	25 mm	050 054104
112-121 mm	25 mm	050 054105
121-130 mm	25 mm	050 054122

„Heavy Duty“ Hose Clamps, Stainless Steel

One-piece hose clamp „Heavy Duty“-version, W2.
Material of band: stainless steel
Material of screw: galvanized steel

Range	Width	Part no.
51-55 mm	20 mm	050 152897
55-59 mm	20 mm	050 152898
59-63 mm	20 mm	050 152899
63-68 mm	20 mm	050 050966
68-73 mm	25 mm	050 152900
73-79 mm	25 mm	050 050976
79-85 mm	25 mm	050 152902
85-91 mm	25 mm	050 152904
91-97 mm	25 mm	050 152905
97-104 mm	25 mm	050 050980
104-112 mm	25 mm	050 152907
121-130 mm	25 mm	050 152908
130-140 mm	28 mm	050 152909
140-150 mm	30 mm	050 050996
150-162 mm	30 mm	050 050997

Band-IT Straps

Stainless steel strap (1.4301); „BAND-IT“-brand
Length of coil: 30,5 m

Size	Width	Remark	Part no.
3/8"	9,5 mm	30,5 m	050 053501
1/2"	12,7 mm	30,5 m	050 053502
5/8"	16,0 mm	30,5 m	050 053503
3/4"	19,0 mm	30,5 m	050 053504

Band-IT Clamps

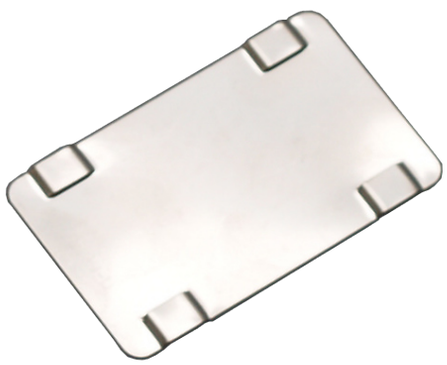
Clamp for strap, „BAND-IT“-brand.
Material: stainless steel; 1.4371

Size	Packing quantity	Part no.
3/8"	100 pieces	050 053511
1/2"	100 pieces	050 053512
5/8"	100 pieces	050 053513
3/4"	100 pieces	050 053514

Clamping Tools for „Band-it“

„Band-it“ clamping tool

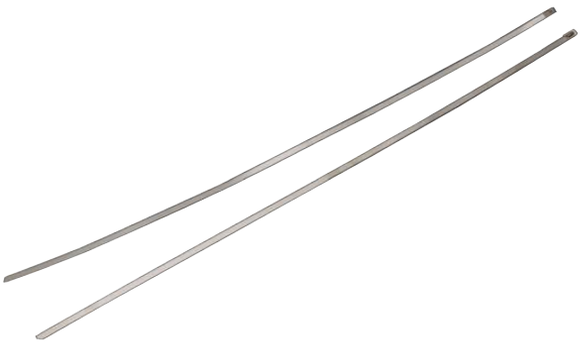
Description	Part no.
clamping tool	050 053520



Badges for Hose-Labeling

Badge for hose-labeling.
Material: stainless steel

Size	Packing quantity	Part no.
19,05 x 50 mm	100 pieces	050 053555
38,10 x 63 mm	100 pieces	050 053560



Tightening Straps for Hose-Labeling

Tightening strap for fixing of badges
Material: stainless steel

Length	Packing quantity	Part no.
520 mm	100 pieces	050 053565

Clamping Tools for Hose Labeling

Clamping tool for hose labeling, „Baby-Tool“ brand

Description	Part no.
clamping tool	050 053550

Pipe Clamps for Manifold

Pipe clamp for fixing of manifold
Material: stainless steel

Size	Remark	Part no.
DN 50	A64, similar to DIN 3570, thread: M 8	050 053305
DN 65	A82, similar to DIN 3570, thread: M 8	050 053306
DN 80	A94, DIN 3570, thread: M 12	050 053308

Threaded Ball Valves of Brass and Stainless Steel 122 - 125

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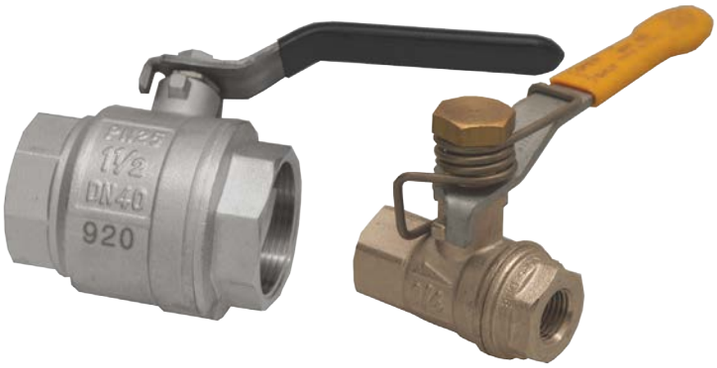
Butterfly valves, Non-return valves



Female Threaded Ball Valves out of Brass

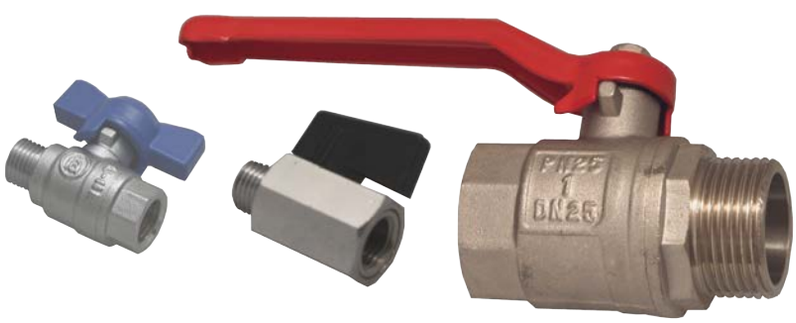
Ball valve, both sides female threaded
Full bore, complete with handle
Material: nickel plated brass

Female Thread	Length	Working pressure	Remark	Part no.
1/4" BSP	40 mm	16 bar	lever of steel	060 060205
3/8" BSP	41 mm	25 bar	lever of steel	060 060206
1/2" BSP	54 mm	20 bar	short steel lever	060 060000
1/2" BSP	50 mm	16 bar	lever of steel	060 060207
3/4" BSP	56 mm	25 bar	lever of steel	060 060208
3/4" BSP	58 mm	20 bar	short steel lever	060 060008
1" BSP	63 mm	25 bar	lever of steel	060 060210
1 1/4" BSP	78,5 mm	25 bar	lever of steel	060 060225
1 1/2" BSP	86 mm	20 bar	lever of steel	060 060230
2" BSP	107 mm	16 bar	lever of stainless steel	060 060241
2 1/2" BSP	132 mm	10 bar	lever of steel	060 060250
3" BSP	144 mm	10 bar	lever of steel	060 060300

Lever for Female Threaded Ball Valves

Operating lever for female threaded brass ball valve

for size	Material	for part no.	Part no.
1/2"	steel	060 060207	060 060311
3/4"	steel	060 060208	060 060311
1"	steel	060 060210	060 060312
1 1/4"	steel	060 060225	060 060313
1 1/2"	stainless steel	060 060230	060 060314
2"	stainless steel	060 060241	060 060316
2 1/2"	steel	060 060250	060 060315
3"	steel	060 060300	060 060315



Male/Female Threaded Ball Valves

Ball valves, male/female threaded
Full bore, material: nickel coated brass

Thread (female x male)	Length	Working pressure	Remark	Part no.
1/4" BSP	35 mm	10 bar	plastic lever	060 060005
1/4" BSP	35 mm	25 bar		060 060010
1/2" BSP	58 mm	25 bar		060 060019
3/4" BSP	65 mm	25 bar		060 060020
1" BSP	74 mm	25 bar		060 060021
1 1/4" BSP	72 mm	25 bar		060 060022
1 1/2" BSP	86 mm	20 bar		060 060023
2" BSP	117 mm	16 bar		060 060024

Brass Female Threaded Ball Valves, „Heavy Duty“

Ball valve, both sides female threaded
Full bore, complete with lever
Material: nickel plated brass
„Heavy duty“ version - with DVGW approval

Female thread	Length	Nominal pressure	Part no.
BSP 1/4"	50 mm	32 bar	060 060025
BSP 3/8"	60 mm	32 bar	060 060037
BSP 1/2"	75 mm	32 bar	060 060050
BSP 3/4"	80 mm	32 bar	060 060075
BSP 1"	90 mm	32 bar	060 060100
BSP 1 1/4"	110 mm	20 bar	060 060125
BSP 1 1/2"	120 mm	20 bar	060 060150
BSP 2"	140 mm	16 bar	060 060200

Levers for „Heavy Duty“ Ball Valves

Aluminium lever for „heavy duty“ ball valves, including mounting screw

For valve size	For part no.	Part no.
1/2"	060 060050	060 060305
3/4"	060 060075	060 060305
1"	060 060100	060 060306
1 1/4"	060 060125	060 060306
1 1/2"	060 060150	060 060307
2"	060 060200	060 060308

Female Threaded Stainless Steel Ball Valves

Ball valves, both side female threaded, full bore
Material: stainless steel
Gaskets: PTFE

Thread	Working press.	Type	Remark	Remark	Part no.
BSP 1/4"	40 bar	one-piece	reduced bore	lockable lever	060 061600
BSP 3/8"	40 bar	one-piece	reduced bore	lockable lever	060 061601
BSP 1/2"	40 bar	one-piece	reduced bore	lockable lever	060 061602
BSP 1/2"	40 bar	two-piece	full bore	lockable lever	060 061472
BSP 3/4"	40 bar	one-piece	reduced bore	lockable lever	060 061603
BSP 3/4"	40 bar	two-piece	full bore	lockable lever	060 061473
BSP 1"	20 bar	one-piece	reduced bore	lockable lever	060 061604
BSP 1"	20 bar	two-piece	full bore	lockable lever	060 061474
BSP 1"	20 bar	three-piece	full bore	heavy duty	060 063500
BSP 1 1/4"	20 bar	two-piece	full bore	lockable lever	060 061475
BSP 1 1/2"	20 bar	one-piece	reduced bore	lockable lever	060 061605
BSP 1 1/2"	20 bar	two-piece	full bore	lockable lever	060 061476
BSP 1 1/2"	20 bar	three-piece	full bore	heavy duty	060 063510
BSP 2"	16 bar	one-piece	reduced bore	lockable lever	060 061606
BSP 2"	16 bar	two-piece	full bore	lockable lever	060 061477
BSP 2"	16 bar	three-piece	full bore	heavy duty	060 063520

Female Threaded Air Disc Valves

SILGON disc valve out of stainless steel, for air pipes
BSP 2“ female threaded
Gasket: silicone, bright

Size	Remarks	Part no.
DN 50	handle with blue ball	140 149010
DN 50	with infinitely lockable lever	140 149020
DN 50	for clamping – version Spitzer/France	140 149030
DN 50	with 90°-elbow, BSP 1 ½“ male threaded	140 149040

Accessories for Air Disc Valves

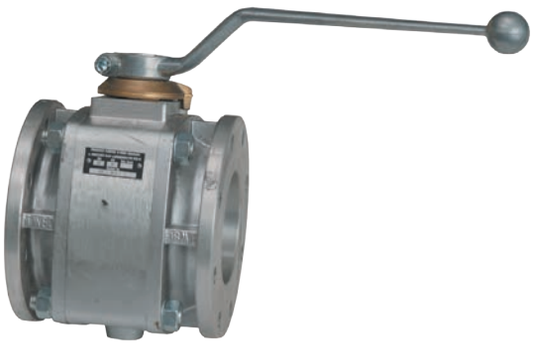
Spare parts for female threaded air disc valve DN 50

Description	Remarks	Part no.
silicone gasket, bright (FDA)	for all SILGON valves	140 153493
stainless steel handle	for 140 149010	140 148407
disc with shaft out of stainless steel	for 140 149010, 140 149020	140 148425
stainless steel lever with locking screw	for 140 149020	140 149027

Female Threaded Aluminium Ball Valves

Ball valves, both sides female threaded
Full bore, working pressure: 10 bar
Material: body of alloy, ball of stainless steel
Stub ending: 17 mm

Thread	Length	Gaskets	Part no.
1 1/2“	130 mm	PTFE/Viton	060 062140
2“	140 mm	PTFE/Viton	060 062208



Aluminium Ball Valves Type Prokosch

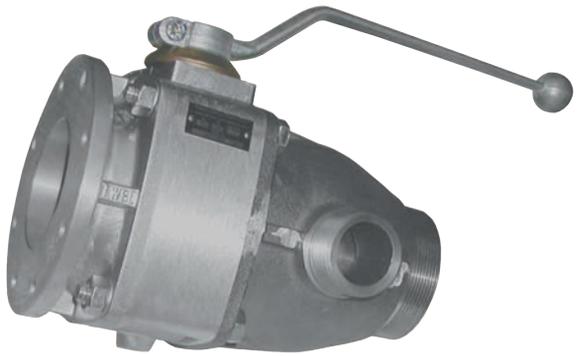
Double flanged aluminium ball valve, especially for bulk material, type Prokosch
Ball available either in stainless steel or galvanized cast iron;
with flexible PTFE gasket

Size	Length	Ball type	Flange pattern	Part no.
DN 80	140 mm	stainless steel	TW 1	060 153118
DN 80	140 mm	cast iron	TW 1	060 153122
DN 100	180 mm	stainless steel	TW 3	060 153126
DN 100	180 mm	cast iron	TW 3	060 153128

Cast Iron Ball Valves Type Prokosch

Double flanged cast iron ball valve, type Prokosch,
especially for highly abrasive bulk material
ball of galvanized cast iron
with Vulkollan seal and circlip ring

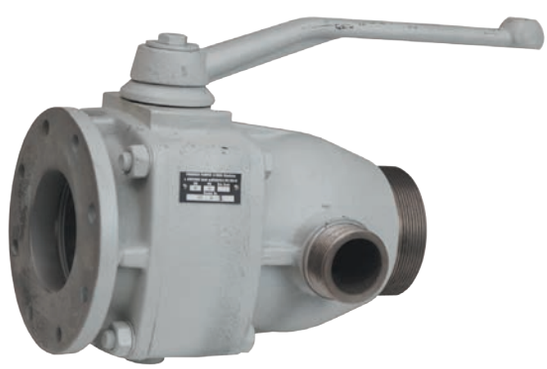
Size	Length	Flange pattern	Remark	Part no.
DN 80	140 mm	TW 1	with lever	060 153104
DN 80	140 mm	TW 1	without lever	060 153108
DN 100	180 mm	TW 3	with lever	060 153107
DN 100	180 mm	TW 3	without lever	060 153110



Aluminium Ball Valves with Accelerator

Prokosch brand ball valve out of aluminium, with accelerator out of cast iron, especially suitable for bulk material
One side flanged, other side BSP male threaded
Ball of galvanized cast iron
With flexible PTFE seal

Size	Length	Flange pattern	Thread	Air supply connection	Part no.
DN 80	245 mm	TW 1	BSP 3" male	BSP 1 1/2" male	060 153140
DN 100	283 mm	TW 3	BSP 4" male	BSP 2" male	060 158095



Cast Iron Ball Valves with Accelerator

Prokosch brand ball valve with accelerator out of cast iron
Especially suitable for highly abrasive bulk material
One side flanged, other side BSP male threaded
Ball of galvanized cast iron
With Vulkollan seal and circlip ring

Size	Length	Flange pattern	Thread	Air supply connection	Part no.
DN 80	245 mm	TW 1	BSP 3" male	BSP 1 1/2" male	060 153113
DN 100	283 mm	TW 3	BSP 4" male	BSP 2" male	060 158184

Spare Parts for Prokosch Ball Valves

Spare parts for Prokosch type ball valves

Description	Size	Dimension	Part no.
body out of cast iron	DN 80		060 153157
body out of cast iron	DN 100		060 153158
body out of alloy	DN 80		060 153159
body out of alloy	DN 100		060 153160
bushing out of brass	DN 80		060 153161
bushing out of brass	DN 100		060 153162
sealing kit for bushing	DN 80		060 153165
sealing kit for bushing	DN 100		060 153166
ball out of galvanized cast iron	DN 80		060 153168
ball out of galvanized cast iron	DN 80		060 153169
ball out of stainless steel	DN 80		060 153170
ball out of stainless steel	DN 100		060 153171
shaft	DN 80	WS 19	060 153172
shaft	DN 100	WS 27	060 153173
stopping-disc out of brass	DN 80	WS 19	060 153178
stopping-disc out of brass	DN 100	WS 27	060 153179
operating lever out of cast iron	DN 80	WS 19	060 153181
operating lever out of aluminium	DN 80	WS 19	060 153182
operating lever out of aluminium	DN 100	WS 27	060 153184
operating lever out of cast iron	DN 100	WS 27	060 153183
flange connection, cast iron, TW, Vulkollan seal	DN 80		060 153194
flange connection, aluminium, TW, PTFE seal	DN 80		060 064455
flange connection, cast iron, TW, Vulkollan seal	DN 100		060 153201
flange connection, aluminium, TW, PTFE seal	DN 100		060 153202
O-Ring for flange	DN 80	125 x 4 mm	060 064270
O-Ring for flange	DN 100	155 x 4 mm	060 064420
flexible PTFE seal	DN 80		060 064452
flexible PTFE seal	DN 100		060 064453
Vulkollan seal	DN 80		060 064200
Vulkollan seal	DN 100		060 064380
circlip ring for Vulkollan seal	DN 80		060 064210
circlip ring for Vulkollan seal	DN 100		060 064390
accelerator, 3“ male threaded, 1 1/2“ air supply	DN 80		060 153232
accelerator, 4“ male threaded, 2“ air supply	DN 100		060 064440
insert for accelerator	DN 80		060 158016
insert for accelerator	DN 100		060 064454

Accelerators out of Stainless Steel

Male / female threaded accelerator
Stainless steel body and insert

Thread	Air supply connection	Part no
BSP 3" female x male	BSP 1 1/2" male	060 064194
BSP 4" female x male	BSP 2" male	060 064346

SILGON Butterfly Valves, white Seal

Type SILGON butterfly valve for abrasive, bulk material
Locking device and stopping disc out of stainless steel (1.4301)
Liner: white Perbunan (FDA-approved)
Shaft, disc and connection components: stainless steel (1.4409/316)
Body powder coated, nominal pressure: 4 bar (PN 4)

Size	Description	Flange pattern	Shaft	Remark	Part no.
DN 100	TW, FFB	150 x 8 x 14 mm	WS 12	with aluminium lever	160 162106
DN 100	TW, Spitzer	150 x 8 x 14 mm	WS 15	with stainless steel lever	160 162100
DN 100	TW, FFB	150 x 8 x 14 mm	WS 12	without lever, for remote control	160 162107
DN 100	TW, Spitzer	150 x 8 x 14 mm	WS 15	without lever, for remote control	160 162105
DN 150	FFB	210 x 12 x 14 mm	WS 16	with stainless steel lever	160 162156
DN 150	FFB	210 x 12 x 14 mm	WS 16	without lever, for remote control	160 162157
DN 150	Spitzer	210 x 8 x 14 mm	WS 15	with stainless steel lever	160 162150
DN 150	Spitzer	210 x 8 x 14 mm	WS 15	without lever, for remote control	160 162155
DN 150	Spitzer	210 x 8 x 14 mm, 4 countersunk holes	WS 15	with stainless steel lever	160 162154
DN 150	FFB/Spitzer	210x8x14 / 210x12x14	WS 16	with stainless steel lever	160 162160
DN 150	FFB/Spitzer	210x8x14 / 210x12x14	WS 16	without lever, for romote control	160 162161
DN 150	FFB/Spitzer	210x8x14 / 210x12x14, 4 countersunk holes	WS 15	with stainless steel lever	160 162162
DN 200	FFB	248 x 6 x 13 mm	WS 16	with stainless steel lever	160 162206
DN 200	FFB	248 x 6 x 13 mm	WS 16	without lever, for remote control	160 162207
DN 200	Spitzer	250 x 8 x 14 mm	WS 15	with stainless steel lever	160 162200
DN 200	Spitzer	250 x 8 x 14 mm	WS 15	without lever, for remote control	160 162205
DN 200	Spitzer	250 x 8 x 14/19 mm	WS 15	with stainless steel lever	160 162204
DN 200	Kässbohrer	280 x 8 x 18 mm	WS 19	with stainless steel lever	160 162213

SILGON Butterfly Valves, black Seal

Type SILGON butterfly valve for abrasive, bulk material
Locking device and stopping disc out of stainless steel (1.4404/316)
Liner: black Perbunan
Shaft, disc and connection components: stainless steel (disc for valves >DN 100: steel, 1.0619)
Body powder coated, working pressure: 4 bar (PN 4)

Size	Description	Flange pattern	Shaft	Remark	Part no.
DN 100	TW, FFB	150 x 8 x 14 mm	WS 12	with aluminium lever	160 161106
DN 100	TW, FFB	150 x 8 x 14 mm	WS 12	without lever, for remote control	160 161107
DN 100	TW, Spitzer	150 x 8 x 14 mm	WS 15	without lever, for remote control	160 161105
DN 150	FFB	210 x 12 x 14 mm	WS 16	with stainless steel lever	160 161156
DN 150	FFB	210 x 12 x 14 mm	WS 16	without lever, for remote control	160 161157
DN 150	Spitzer	210 x 8 x 14 mm	WS 15	with stainless steel lever	160 161150
DN 150	Spitzer	210 x 8 x 14 mm	WS 15	without lever, for remote control	160 161155
DN 150	Spitzer	210 x 8 x 14 mm, 4 sunken drillings	WS 15	with stainless steel lever	160 161154
DN 150	FFB/Spitzer	210x8x14 / 210x12x14	WS 16	with stainless steel lever	160 161160
DN 150	FFB / Spitzer	210x8x14 / 210x12x14	WS 16	without lever, for remote control	160 161161
DN 150	FFB/Spitzer	210x8x14 / 210x12x14 4 countersunk holes	WS 15	with stainless steel lever	160 161162
DN 200	FFB	248 x 6 x 13 mm	WS 16	with stainless steel lever	160 161206
DN 200	FFB	248 x 6 x 13 mm	WS 16	without lever, for remote control	160 161207
DN 200	Spitzer	250 x 8 x 14 mm	WS 15	with stainless steel lever	160 161200
DN 200	Spitzer	250 x 8 x 14 mm	WS 15	without lever, for remote control	160 161205
DN 200	Spitzer	250 x 8 x 14/19 mm, 4 countersunk holes	WS 15	with stainless steel lever	160 161204
DN 200	Kässbohrer	280 x 8 x 18 mm	WS 19	with stainless steel lever	160 161213

Spare Parts for SILGON Butterfly Valves

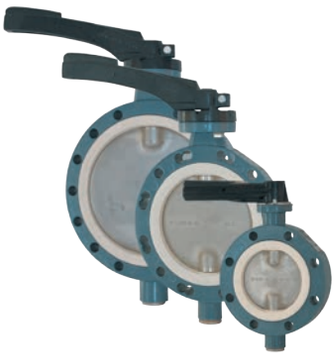
Spare parts for type SILGON butterfly valves.

Description	DN 100	DN 150	DN 200
liner, black	160 167101	160 167151	160 167201
liner, white	160 167102	160 167152	160 167202
upper shaft, Spitzer	160 168011	160 165154	160 165204
lower shaft, Spitzer	160 168013	160 165050	160 165200
upper shaft, FFB	160 168014	160 165157	160 165207
lower shaft, FFB	160 168013	160 165050	160 165200
sealing kit for shaft	160 168010	160 165159	160 165209
disc, stainless steel (1.4408)	160 166102	160 166152	160 166202
disc, steel (1.0619)		160 166150	160 166200
plate for locking device, Spitzer	160 168020	160 168026	160 168029
plate for locking device, FFB	160 168021	160 168027	160 168028
operating lever, FFB	160 168012	160 168016	160 168017
operating lever, Spitzer	160 168015	160 168015	160 168019
stopping-disc, stainless steel	160 168022	160 168024	160 168025

Ebro Butterfly Valves, black Seal

Type Ebro butterfly valve for abrasive, bulk material, with locking device
Liner: black Perbunan
Shaft: stainless steel
Disc: steel, C 35
Nominal pressure: 4 bar (PN 4)

Size	Description	Flange pattern	Shaft	Remark	Part no.
DN 80	TW	130 x 8 x 11 mm	WS 12	with lever	060 068010
DN 100	TW	150 x 8 x 14 mm	WS 12	with lever	060 068030
DN 100	TW	150 x 8 x 14 mm	WS 12	extended shaft, with lever	060 068040
DN 100	TW	150 x 8 x 14 mm	WS 12	without lever, for remote control	060 068041
DN 150	FFB/Spitzer	210 x 12 x 12 mm 210 x 8 x 14 mm	WS 16	with lever	060 068085
DN 150	FFB/Spitzer	210 x 12 x 12 mm 210 x 8 x 14 mm	WS 16	without lever, for remote control	060 153773
DN 150	Spitzer	210 x 8 x 14/19 mm	WS 16	4 countersunk holes, with lever	060 068079
DN 150	Briab	207 x 6 x 18 mm	WS 16	with lever	060 068070
DN 150	Kässbohrer	225 x 8 x 18 mm	WS 16	with lever	060 068081
DN 200	FFB/Spitzer	248 x 6 x 13 mm 250 x 8 x 14 mm	WS 16	with lever	060 068104
DN 200	FFB/Spitzer	248 x 6 x 13 mm 250 x 8 x 14 mm	WS 16	without lever, for remote control	060 068105
DN 200	Spitzer	250 x 8 x 14/19 mm	WS 16	4 countersunk holes, with lever	060 153778
DN 200	Kässbohrer	280 x 8 x 18 mm	WS 16	with lever	060 068110



Ebro Butterfly Valves, white Seal

Type Ebro butterfly valve for abrasive, bulk material, with locking device
Liner: white Perbunan (FDA approved)
Shaft and disc: stainless steel (non-polished)
Nominal pressure: 4 bar (PN 4)

Size	Description	Flange pattern	Shaft	Remark	Part no.
DN 50	Z 011	PN 6/10 (not drilled)	WS 10	with lever	060 068440
DN 80	TW	130 x 8 x 11 mm	WS 12	with lever	060 068210
DN 100	TW	150 x 8 x 14 mm	WS 12	with lever	060 068230
DN 150	FFB/Spitzer	210 x 12 x 14 mm 210 x 8 x 14 mm	WS 16	with lever	060 068280
DN 150	FFB	210 x 12 x 14 mm	WS 16	extended shaft, with lever	060 068282
DN 150	Briab	207 x 6 x 18 mm	WS 16	with lever	060 068270
DN 150	Spitzer	250 x 8 x 14/19 mm	WS 16	4 countersunk holes, with lever	060 068286
DN 200	FFB/Spitzer	248 x 6 x 13 mm 250 x 8 x 14 mm	WS 16	with lever	060 068306
DN 200	FFB/Spitzer	248 x 6 x 13 mm 250 x 8 x 14 mm	WS 16	without lever, for remote control	060 068307
DN 200	FFB/Spitzer	248 x 6 x 13 mm 250 x 8 x 14 mm	WS 16	4 countersunk holes, with lever	060 068308
DN 200	Spitzer	250 x 8 x 14/19 mm	WS 16	4 countersunk holes, with lever	060 068304
DN 200	Kässbohrer	280 x 8 x 18 mm	WS 16	with lever	060 068295
DN 200	Z 011	PN 6/10 (not drilled)	WS 16	with lever	060 156575

Ebro Butterfly Valves, Vulkollan Seal

Type Ebro butterfly valve for highly abrasive, bulk material, with locking device
Liner: green SBR
Shaft: stainless steel (316)
Disc: steel, C 35
Nominal pressure: 4 bar (PN 4)

Size	Description	Flange pattern	Shaft	Remark	Part no.
DN 80	TW	130 x 8 x 11 mm	WS 12	with lever	060 068150
DN 80	TW	130 x 8 x 11 mm	WS 12	with lever	060 068151
DN 100	TW	150 x 8 x 14 mm	WS 12	with lever	060 068155
DN 150	FFB/Spitzer	210 x 12 x 14 mm 210 x 8 x 14 mm	WS 16	with lever	060 068160
DN 150	Spitzer	250 x 8 x 14/19 mm	WS 16	4 countersunk holes, with lever	060 153799
DN 200	FFB/Spitzer	248 x 6 x 13 mm 250 x 8 x 14 mm	WS 16	with lever	060 153805
DN 200	Spitzer	250 x 8 x 14/19 mm		4 countersunk holes, with lever	060 153804
DN 200	Kässbohrer	280 x 8 x 18 mm	WS 16	with lever	060 153801

Ebro Butterfly Valves for Chemicals

Type Ebro butterfly valve for chemicals
Liner: PTFE/EPDM, up to 120° C or
Liner: PTFE/Silicone, up to 180° C
Shaft and disc: stainless steel (316)
Nominal pressure: 6 bar (PN 6)

Size	Flange pattern	Liner	Lever	Part no.
DN 80	130 x 8 x 11 mm	PTFE/EPDM	non-lockable	060 068405
DN 80	130 x 8 x 11 mm	PTFE/EPDM	lockable	060 068410
DN 80	130 x 8 x 11 mm	PTFE/Silicone	lockable	060 068455
DN 100	150 x 8 x 14 mm	PTFE/EPDM	non-lockable	060 068420
DN 100	150 x 8 x 14 mm	PTFE/EPDM	lockable	060 068425
DN 100	150 x 8 x 14 mm	PTFE/Silcone	lockable	060 068465

Ebro Butterfly Valves for Chemicals, T 211

Type Ebro butterfly valve for chemicals, type T 211
Without drilling, to be clamped between two flanges
Liner: PTFE/EPDM, up to 120° C or
Liner: PTFE/Silicone, up to 180° C
Shaft and disc: stainless steel (316); disc coated
Nominal pressure: 6 bar (PN 6)

Size	Disc	Liner	Shaft	Part no.
DN 50	PTFE coated	PTFE/silicone	WS 10	999 153832
DN 80	Halar coated	EPDM	WS 14	060 068446
DN 80	PTFE coated	PTFE/EPDM	WS 14	060 068417
DN 100	PTFE coated	PTFE/EPDM	WS 14	060 068418

Ebro Discs

Disc for type Ebro butterfly valve

Size	Material	Part no.
DN 80	steel, C35	060 068630
DN 80	stainless steel, polished	999 153841
DN 100	steel, C35	060 068635
DN 100	stainless steel, polished	060 068675
DN 150	steel, C35	060 068640
DN 150	stainless steel, polished	060 068660
DN 200	steel, C35	060 068645
DN 200	stainless steel, polished	060 153846

Ebro Liners

Liner with collar for type Ebro butterfly valve

Size	Description	Part no.
DN 80	Perbunan, black	060 068751
DN 80	Perbunan, white	060 068771
DN 80	SBR, green	999 153882
DN 100	Perbunan, black	060 068755
DN 100	Perbunan, white	060 068776
DN 100	SBR, green	060 068901
DN 150	Perbunan, black	060 068761
DN 150	Perbunan, white	060 068781
DN 150	SBR, green	060 068902
DN 200	Perbunan, black	060 068766
DN 200	Perbunan, white	060 068786
DN 200	SBR, green	060 153886

Ebro Levers

Lever for type Ebro TW butterfly valve

for size	Description	for axle	Part no.
DN 80-100	clamping lever	SW 12	060 068691
DN 80-100	lockable lever	SW 12	060 068700
DN 150-200	stainless steel clamping lever	SW 16	060 068695

Ebro Shafts

Shaft for type Ebro butterfly valve,
Perbunan o-ring

Size	Description	Remark	Length	Part no.
DN 80-100	upper shaft	WS 12	105 mm	060 068601
DN 80-100	lower shaft		53 mm	060 068610
DN 150	upper shaft	WS 16	141 mm	060 068606
DN 150	lower shaft		75 mm	060 068615
DN 200	lower shaft	WS 16	147,5 mm	060 068607
DN 150-200	upper shaft	WS 16	192 mm	060 068605
DN 80-100	O-ring for shaft			060 153852
DN 150-200	O-ring for shaft			060 153854

SILGON Butterfly valves with Stainless Steel Liner

Type SILGON butterfly valves with stainless steel liner (*not suitable for fluids*)
Lever, shaft and disc of stainless steel (V4A); not leakproof because of inflexible seal-face
Nominal pressure: 4 bar (PN 4), with customs locking device

Size	Type	Flange pattern	Remark	Part no.
DN 80	TW	130 x 8 x 11 mm		060 066410
DN 100	DIN	180 x 8 x 18 mm		160 166440
DN 100	TW	150 x 8 x 14 mm		160 166430
DN 150	FFB	210 x 12 x 12 mm		160 166469
DN 150	Kässbohrer	196 x 8 x 11,5 mm		060 066466
DN 150	Spitzer	210 x 8 x 14/19 mm	4 countersunk holes	160 166469
DN 300	Bayard			060 066495

AKO Pinch Valves

Type AKO pinch valve with aluminium body and cast iron flanges
Sleeve: black Perbunan (NBR)
Nominal pressure: up to 6 bar; test pressure: up to 8 bar;
Connection for operating air: BSP 1/4" female thread

Size	Connection	Flange pattern	Length	Part no.
DN 50	BSP 2" female thread		170 mm	060 065472
DN 80	flange PN 10/16	160 x 8 x 18 mm	228 mm	060 065475
DN 100	flange PN 10/16	180 x 8 x 18 mm	282 mm	060 065476
DN 100	flange TW 3	150 x 8 x 18 mm	282 mm	060 065473

Spare Parts for AKO Pinch Valves

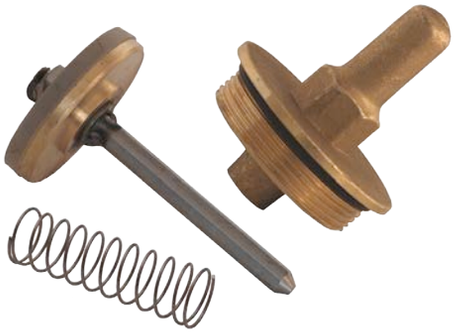
Spare parts for pinch valve, type AKO

Size	Description	Remarks	Part no.
DN 80	sleeve, black	80 x 9 mm	060 065477
DN 100	sleeve, black	100 x 15 mm	060 065478
DN 100	SILGON sleeve, black	100 x 15 mm	060 158327
DN 100	sleeve, white	100 x 15 mm	060 065488
DN 80	flange, aluminium	PN 10/16	060 065482
DN 100	flange, aluminium	PN 10/16	060 065483
DN 100	flange, aluminium	TW 3	060 065484

Brass Non Return Valves, Angle Seat

Brass non return valve with angled seat; produced exclusively by SILGON, especially for silo trailer.
Double female threaded, cone double secured, PN 16

Female thread	Remark	Part no.
BSP 1/2"		060 067500
BSP 3/4"		060 067510
BSP 1"	brass stem, silicone seal, up to+180°C	060 067520
BSP 1 1/4"	stainless steel stem, silicone seal, up to +180°C	060 067530
BSP 1 1/2"	stainless steel stem, silicone seal, up to +180°C	060 067540
BSP 2"	stainless steel stem, silicone seal, up to +180°C	060 067550
BSP 2"	stainless steel stem, PTFE seal, up to +200°C	060 067555
BSP 2 1/2"	stainless steel stem, silicone seal, up to +180°C, PN	060 067560
BSP 3"	stainless steel stem, silicone seal, up to +180°C, PN	060 067570



Spare Parts for Non Return Valves

Spare parts for brass non return valves.

Size	Plug	O-ring for plug	Spring
1"	060 067600	060 067664	060 067630
1 1/4"	060 067601	060 067665	060 067631
1 1/2"	060 067602	060 067666	060 067632
2"	060 067603	060 067667	060 067634
2 1/2"	060 067604	060 067668	060 067634
3"	060 067605	060 067669	060 067634

Stem, size	Material	Seal	Part no.
1"	brass	silicone	060 067610
1 1/4"	stainless steel	silicone	060 067611
1 1/2"	stainless steel	silicone	060 067617
2"	stainless steel	silicone	060 067618
2"	stainless steel	PTFE	060 067659
2 1/2"	stainless steel	silicone	060 067619
3"	stainless steel	silicone	060 067620

Stainless Steel Non Return Valves, Angle Seat

Stainless steel non return valve with angled seat, with PTFE seal.
dDuble female threaded, PN 16.

Thread	Part no.
BSP 1"	200 200623
BSP 1 1/2"	200 200625
BSP 2"	200 200626

Brass Non Return Valves

Brass non return valve; produced exclusively by SILGON, especially for silo trailer.
Double female threaded, PN 16.

Female Thread	Seal	Remark	Part no.
BSP 1"	NBR, black		060 067577
BSP 1 1/2“	NBR, black		060 067579
BSP 1 1/2"	Viton		060 154065
BSP 2"	silicone, up to 180°C	opening pressure: 0,15 bar	060 067581
BSP 2"	silicone, up to 180°C	opening pressure: 0,2 bar	060 067584
BSP 2"	metal sealing		060 067585
BSP 2"	silicone, up to 180°C	with forced ventilation	090 155126
BSP 2 1/2"	slicone, up to 180°C	opening pressure: 0,15 bar	060 067582
BSP 3"	NBR, black		060 067576

Stainless Steel Non Return Valves

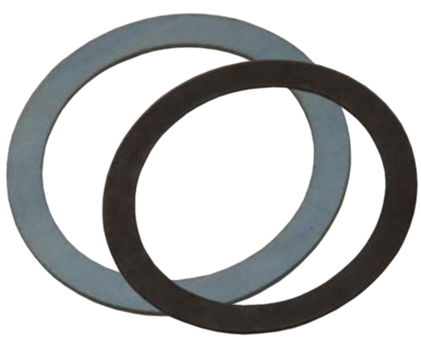
Stainless steel non return valve; double female threaded

Thread	Working pressure	Remark	Part no.
BSP 1/4"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067803
BSP 1/2"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067804
BSP 3/4"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 154120
BSP 1"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067805
BSP 1 1/4"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067806
BSP 1 1/2"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067807
BSP 2"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067808
BSP 2"	16 bar	type SILGON, metal sealing, heavy-duty version	060 067818
BSP 2"	16 bar	silicone seal (-80°C-300°C)	060 158333
BSP 2"	16 bar	silicone seal, with forced ventilation	060 155141
BSP 2 1/2"	16 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067809
BSP 3"	10 bar	type Cromax, with Viton seal (-25°C-240°C)	060 067810

Non Return Valves, RK 41 Type

„Disco“ non return valve, „Gestra“ RK 41 type, to be mounted between flanges
Body out of brass, inner parts out of stainless steel

Size	Length	Diameter	Nominal pressure	Part no.
DN 50	40 mm	95 mm	16 bar	060 067740
DN 65	46 mm	115 mm	16 bar	060 067750
DN 80	50 mm	132 mm	10 bar	060 067760
DN 100	60 mm	152 mm	8 bar	060 067770



Gaskets for Valves RK 41 Type

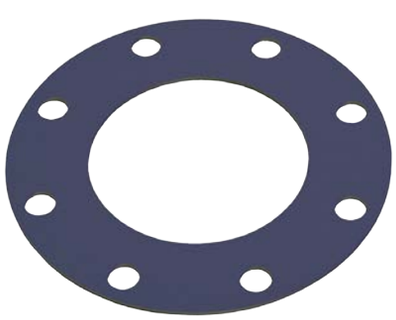
Gasket for „Disco“ pressure-relieve-valves

Size	Dimension	Remark	Part no.
DN 50	89 x 74 x 2 mm	intake side	060 067741
DN 50	95 x 75 x 2 mm	exit side	060 067742
DN 65	105 x 85 x 1 mm	intake side	060 067751
DN 65	115 x 97 x 2 mm	exit side	060 067752
DN 80	115 x 97 x 2 mm	intake side	060 067761
DN 80	131 x 104 x 2 mm	exit side	060 067762

Flange Gaskets, black

Black rubber flange gasket

Size	Norm	Flange pattern	Dimensions	Part no.
DN 80	TW 1	130 x 8 x 11,5 mm	154 x 80 x 3 mm	060 066800
DN 80	DIN	160 x 8 x 18 mm	200 x 80 x 3 mm	060 066804
DN 80	PN 10	160 x 4 x 18 mm	200 x 80 x 3 mm	060 066828
DN 100	TW 3	150 x 8 x 14 mm	175 x 100 x 3 mm	060 066801
DN 100	DIN	180 x 8 x 18 mm	220 x 100 x 3 mm	060 066802
DN 150	Spitzer	210 x 8 x 14 mm	230 x 150 x 3 mm	060 066816
DN 150		no drilling	230 x 150 x 3 mm	060 066803
DN 200	FFB	248 x 6 x 13 mm	270 x 200 x 3 mm	060 066806
DN 200		no drilling	270 x 200 x 3 mm	060 066805



Elapac Flange Gaskets, blue

Flange gasket, type Elapac FD type, blue,
especially for mineral oil

Size	Norm	Flange pattern	Dimensions	Part no.
DN 80	TW 1	130 x 8 x 11,5 mm	154 x 90 x 2 mm	060 066830
DN 80	TW 1	130 x 8 x 11,5 mm	154 x 105 x 2 mm	060 066831
DN 100	TW 3	150 x 8 x 18 mm	175 x 110 x 2 mm	060 066832

Flange Gaskets, white

White rubber flange gasket

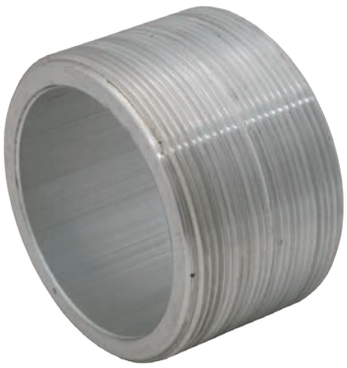
Size	Norm	Flange pattern	Dimensions	Part no.
DN 50	LAG	105 x 6 x 11 mm	124 x 50 x 3 mm	060 066810
DN 80	TW 1	130 x 8 x 11,5 mm	154 x 80 x 3 mm	060 066811
DN 80	PN 10/16	160 x 8 x 18 mm	200 x 80 x 3 mm	060 066825
DN 80	Italian	160 x 2 x 22 mm	215 x 80 x 3 mm	030 039585
DN 80	Italian	160 x 2 x 22 mm	210 x 80 x 10 mm	030 039586
DN 100	TW 3	150 x 8 x 18 mm	175 x 100 x 3 mm	060 066812
DN 100	PN 10/16	180 x 8 x 18 mm	220 x 115 x 10 mm	060 066826
DN 100	Italian	160 x 2 x 22 mm	210 x 100 x 10 mm	060 158220
DN 150	Spitzer	210 x 8 x 14 mm	230 x 150 x 3 mm	060 066817
DN 150	FFB	210 x 12 x 14 mm	230 x 150 x 3 mm	060 066818
DN 150	Interconsult	207 x 6 x 18 mm	230 x 150 x 3 mm	060 066824
DN 200	Spitzer	250 x 8 x 14 mm	270 x 200 x 3 mm	060 066809
DN 200	FFB	248 x 6 x 13 mm	270 x 200 x 3 mm	060 066814
DN 200	Kässbohrer	280 x 8 x 18 mm	320 x 200 x 3 mm	060 066819

Aluminium - Fittings 156 - 161

Brass - Fittings 162 - 166

Stainless Steel - Fittings 167 - 175

Threaded and Weld-on Fittings out of Alumium, Brass and Stainless Steel



Aluminium Nipples, threaded

Nipple out of aluminium with continuous male thread, inner smooth, flat sealing surface

Male thread	Part no.
BSP 1 1/4"	070 070005
BSP 1 1/2"	070 070006
BSP 2"	070 070010
BSP 2 1/2"	070 070020
BSP 3"	070 070030
BSP 4"	070 070040
5 1/2" DIN 11	070 070050

Aluminium Welding Nipples

Welding nipple out of aluminium

Male Thread	Length	Outside diameter	Part no.
1/4" BSP	30 mm	14 mm	070 072175
1/2" BSP	35 mm	21 mm	070 072180
3/4" BSP	35 mm	27 mm	070 072190
1" BSP	45 mm	33 mm	070 072200
1" BSP	60 mm	33 mm	070 072201
1 1/4" BSP	35 mm	42 mm	070 072210
1 1/4" BSP	60 mm	42 mm	070 072211
1 1/2" BSP	45 mm	48 mm	070 072220
1 1/2" BSP	60 mm	48 mm	070 072221
1 1/2" BSP	75 mm	48 mm	070 072265
2" BSP	45 mm	60 mm	070 072230
2" BSP	60 mm	60 mm	070 072231
2" BSP	75 mm	60 mm	070 072270
2" BSP	150 mm	60 mm	070 072272
2 1/2" BSP	45 mm	75 mm	070 072240
2 1/2" BSP	60 mm	75 mm	070 072241
2 1/2" BSP	90 mm	75 mm	070 072275
3" BSP	45 mm	89 mm	070 072250
3" BSP	60 mm	89 mm	070 072251
3" BSP	100 mm	89 mm	070 072280
4" BSP	45 mm	114 mm	070 072260
4" BSP	60 mm	114 mm	070 072262
5" BSP	45 mm	140 mm	070 072263

Aluminium Welding Sockets

Welding socket out of aluminium, with continuous female thread

Female Thread	Part no.
1/4" BSP	070 071564
1/2" BSP	070 071565
3/4" BSP	070 071566
1" BSP	070 071567
1 1/4" BSP	070 071568
1 1/2" BSP	070 071569
2" BSP	070 071570
2 1/2" BSP	070 071571
3" BSP	070 071572
4" BSP	070 071573

Aluminium Adapters

Adapter out of aluminium, double male threaded

Thread 1	Thread 2	Part no.
2" BSP	3" BSP	070 070300
3" BSP	4" BSP	070 070310
3" BSP	5 1/2", DIN 11	070 070320
4" BSP	5 1/2", DIN 11	070 070330

Aluminium Adapters

Male/female threaded adapters out of aluminium, flat sealing surface, female thread with Vulkollan seal

Female thread	Male thread	Part no.
BSP 3"	BSP 4"	070 070690
BSP 4"	5 1/2", DIN 11	070 070710
5 1/2", DIN 11	BSP 3"	070 070740
5 1/2" , DIN 11	BSP 4"	070 070750

Aluminium Blank Caps

Female threaded blank cap out of aluminium, thread according to DIN 11, with Vulkollan seal.

Female thread	Part no.
5 1/2", DIN 11	070 071800

Aluminium Blind Plugs

Blind plug out of aluminium with 5 1/2“ male thread according to (now obsoled) DIN 11.
Double-winged type.

Thread	Part.no.
5 1/2'' male	070 072000

Aluminium Welding Elbows

90° welding elbow out of aluminium, seamless, material: EN AW-5754 (AlMg3), norm 3S

Outside diam.	Wall thickness	Part no.
30 mm	3 mm	070 072970
35 mm	2,5 mm	070 072975
40 mm	5 mm	070 072980
50 mm	5 mm	070 072990
60 mm	3 mm	070 073001
60 mm	5 mm	070 073000
75 mm	5 mm	070 073010
90 mm	3 mm	070 073021
90 mm	5 mm	070 073020
108 mm	4 mm	070 073030
110 mm	5 mm	070 073033

Aluminium Pipereducers for Welding

Concentrical aluminium pipe reducer for welding.

Outside diam.	Wall thickness	Part no.
90 mm x 60 mm	5 mm	070 072290
90 mm x 75 mm	5 mm	070 072285
108 mm x 89 mm	4 mm	070 072295

Threaded Aluminium Elbows

Double threaded elbow out of alloy

Thread (male x male)	Angle	Remark	Part no.
BSP 2“	90°		070 073035
BSP 2“	90°		070 154227
BSP 2“	180°		070 073038
BSP 2“	180°	one side extended 300 mm	070 073039
BSP 3“	90°		070 073036
BSP 3“	90°		070 154229
BSP 3“	45°		070 073037
BSP 4“	90°		070 073040
BSP 4“	45°		070 073034

Brass Double Nipples

Male threaded douple nipple out of brass. Flat sealing; with hexagon or octagon to fayilitate assembly

Thread	Part no.
1/2" BSP	070 070100
3/4" BSP	070 070110
1" BSP	070 070120
1 1/4" BSP	070 070130
1 1/2" BSP	070 070140
2" BSP	070 070150
2 1/2" BSP	070 070160
3" BSP	070 070170
4" BSP	070 070180

Brass Reducing Nipples

Male threaded reducing nipples outof brass; with flat sealing

Thread 1	Thread 2	Part no.
1/2" BSP	3/4" BSP	070 070400
1/2" BSP	1" BSP	070 070405
3/4" BSP	1" BSP	070 070410
1" BSP	1 1/4" BSP	070 070420
1" BSP	1 1/2" BSP	070 070430
1" BSP	2" BSP	070 070440
1 1/4" BSP	1 1/2" BSP	070 070450
1 1/4" BSP	2" BSP	070 070460
1 1/2" BSP	2" BSP	070 070480
2" BSP	2 1/2" BSP	070 070510
2" BSP	3" BSP	070 070530
2 1/2" BSP	3" BSP	070 070540
3" BSP	4" BSP	070 070560

Brass Reducers

Female/male threaded reducer out of brass.
Flat sealing, with Vulkollan gasket (female thread side)

Female thread	Male thread	Part no.
1/4" BSP	3/8" BSP	070 070789
1/4" BSP	1/2" BSP	070 070790
3/8" BSP	1/2" BSP	070 070793
1/2" BSP	3/4" BSP	070 070794
1/2" BSP	1" BSP	070 070795
3/4" BSP	1/2" BSP	070 070798
3/4" BSP	1" BSP	070 070800
1" BSP	3/4" BSP	070 070810
1" BSP	1 1/4" BSP	070 070820
1" BSP	1 1/2" BSP	070 070830
1" BSP	2" BSP	070 070840
1 1/4" BSP	1" BSP	070 070860
1 1/4" BSP	1 1/2" BSP	070 070880
1 1/4" BSP	2" BSP	070 070890
1 1/2" BSP	1" BSP	070 070900
1 1/2" BSP	1 1/4" BSP	070 070910
1 1/2" BSP	1 1/2" BSP	070 070920
1 1/2" BSP	2" BSP	070 070930
2" BSP	1" BSP	070 070960
2" BSP	1 1/4" BSP	070 070970
2" BSP	1 1/2" BSP	070 070980
2" BSP	2" BSP	070 070990
2" BSP	2 1/2" BSP	070 071000
2" BSP	3" BSP	070 071010
2 1/2" BSP	2" BSP	070 071050
2 1/2" BSP	2 1/2" BSP	070 071060
2 1/2" BSP	3" BSP	070 071070
3" BSP	2" BSP	070 071090
3" BSP	2 1/2" BSP	070 071100
3" BSP	3" BSP	070 071110
3" BSP	4" BSP	070 071120
4" BSP	3" BSP	070 071140
5 1/2" DIN 11	3" BSP	070 071180
5 1/2" DIN 11	4" BSP	070 071190

Brass Reducing Sockets

Female/female threaded reducers out of brass, flat sealing, with Vulkollan gasket.

Female thread 1	Female thread 2	Part no.
1" BSP	1 1/2" BSP	070 071600
1 1/4" BSP	1 1/2" BSP	070 071615
1 1/2" BSP	2" BSP	070 071670
2" BSP	2 1/2" BSP	070 071700
2" BSP	3" BSP	070 071710
3" BSP	4" BSP	070 071730

Brass Elbows

Double threaded 90°-elbow out of brass, flat sealing, without seal

Thread	Part no.
BSP 1" female x 1" male	070 071732
BSP 1 1/4" female x 1 1/4" male	070 154188
BSP 1 1/2" female x 1 1/2" female	070 154189
BSP 1 1/2" female x 1 1/2" male	070 154190
BSP 2" female x 2" female	070 071736
BSP 2" female x 2" male	070 071735
BSP 2 1/2" female x 2 1/2" male	070 158191

Brass Blind Caps

Female threaded blind cap out of brass, with Vulkollan seal

Thread	Part no.
3/4" BSP	070 071899
1" BSP	070 071900
1 1/4" BSP	070 071910
1 1/2" BSP	070 071920
2" BSP	070 071930
2 1/2" BSP	070 071940
3" BSP	070 071950
4" BSP	070 071960

Stainless Steel Welding Nipples

Male threaded welding nipple oout of stainless steel (V4A), flat sealing

Thread	Length	Outer diameter	Part no.
BSP 3/8"	30 mm	17 mm	070 154428
BSP 1/2"	35 mm	21 mm	070 072499
BSP 3/4"	40 mm	27 mm	070 154430
BSP 1"	35 mm	33 mm	070 072501
BSP 1 1/4"	35 mm	42 mm	070 072511
BSP 1 1/2"	35 mm	48 mm	070 072521
BSP 2"	45 mm	60 mm	070 072531
BSP 2"	150 mm	60 mm	070 072535
BSP 2"	200 mm	60 mm	070 072536
BSP 2 1/2"	45 mm	75 mm	070 072541
BSP 3"	45 mm	89 mm	070 072552
BSP 3"	70 mm	89 mm	070 072553
BSP 4"	45 mm	114 mm	070 072561
BSP 4"	45 mm	114 mm (thick-walled)	070 072562
DIN 11 - 5 1/2"	45 mm	138 mm	070 072565

Stainless Steel Double Nipples

Male threaded douple nipple out of stainless steel (V4A) with hexagon or octagon to facilitate assembly.

Thread	Type	Part no.
1/2" BSP	conical thread	070 070200
3/4" BSP	conical thread	070 075044
1" BSP	conical thread	070 070210
1 1/4" BSP	flat sealing	070 070214
1 1/2" BSP	flat sealing	070 070215
2" BSP	flat sealing	070 070230
2 1/2" BSP	flat sealing	070 070240
3" BSP	flat sealing	070 070250
4" BSP	flat sealing	070 070251

Stainless Steel Pipe Nipple

Male threaded pipe nipple out of stainless steel (V4A), with conical thread

Thread	Length	Remark	Part no.
2" AG	100 mm		070 070259
2" AG	150 mm		070 154272
2" AG	250 mm		070 154275
2 1/2" AG	100 mm		070 154276
3" AG	120 mm		070 070260
3" AG	250 mm	flat sealing	070 070270
3" AG	300 mm		070 154281
4" AG	120 mm		070 075051
4" AG	300 mm		070 154289

Stainless Steel Threaded Elbows

Female/male threaded 90°-elbow out of stainless steel (V4A), conical thread

Female/male thread	Part no.
1/8" BSP	070 075100
1/4" BSP	070 075101
3/8" BSP	070 075102
1/2" BSP	070 075103
3/4" BSP	070 073511
1" BSP	070 075105
1 1/4" BSP	070 075106
1 1/2" BSP	070 073515
2" BSP	070 075108
2 1/2" BSP	070 075109
3" BSP	070 075110

Stainless Steel Reducing Nipples

Male threaded reducing nipples out of stainless steel (V4A), flat sealing.

Thread 1	Thread 2	Part no.
1 1/4" BSP	1" BSP	070 070625
1/2" BSP	3/4" BSP	070 154305
1/2" BSP	1" BSP (conical thread)	070 075178
3/4" BSP	1" BSP (conical thread)	070 154307
1" BSP	1 1/2" BSP	070 154308
1" BSP	2" BSP	070 070628
1 1/4" BSP	1 1/2" BSP	070 070627
1 1/4" BSP	2" BSP	070 070629
1 1/2" BSP	2" BSP	070 070630
2" BSP	2 1/2" BSP	070 070635
2" BSP	3" BSP	070 070641
2 1/2" BSP	3" BSP	070 070650
3" BSP	4" BSP	070 070660

Stainless Steel Reducers

Female/male threaded reducer out of stainless steel (V4A). Flat sealing, with PTFE gasket (female thread).

Female thread	Male thread	Part no.
1 1/2" BSP	1" BSP	070 071295
2" BSP	1 1/4" BSP	070 071309
2" BSP	1 1/2" BSP	070 071320
2" BSP	2 1/2" BSP	070 071330
2" BSP	3" BSP	070 071340
2 1/2" BSP	3" BSP	070 071360
3" BSP	2" BSP	070 071370
3" BSP	4" BSP	070 071390
4" BSP	5 1/2", DIN 11	070 071420
5 1/2", DIN 11	3" BSP	070 071450

Stainless Steel Welding Nipple, conical Sealing

Welding-nipple out of stainless steel (V4A), conical thread.

Thread	Outer diam.	Part no.
1/8" BSP	10 mm	070 075020
1/4" BSP	13 mm	070 075021
3/8" BSP	17 mm	070 075022
1/2" BSP	21 mm	070 075023
3/4" BSP	27 mm	070 075024
1" BSP	33 mm	070 075025
1 1/4" BSP	42 mm	070 075026
1 1/2" BSP	48 mm	070 075027
2" BSP	60 mm	070 075028
2 1/2" BSP	76 mm	070 075029
3" BSP	89 mm	070 075030
4" BSP	114 mm	070 075031

Stainless Steel T-Fittings

Female threaded T-fittings out of stainless steel (V4A), conical thread.

Female thread	Part no.
1/2" BSP	070 075120
3/4" BSP	070 075121
1" BSP	070 075122
1 1/4" BSP	070 075123
1 1/2" BSP	070 075124
2" BSP	070 075125

Stainless Steel Female Threaded Elbows

Female threaded 90°-elbow out of stainless steel (V4A), conical sealing

Thread	Part no.
1/8" BSP	070 075080
1/4" BSP	070 075081
3/8" BSP	070 075082
1/2" BSP	070 075083
3/4" BSP	070 075084
1" BSP	070 075085
1 1/4" BSP	070 075086
1 1/2" BSP	070 075087
2" BSP	070 075088
2 1/2" BSP	070 075089
3" BSP	070 075090

Safety Valves	178, 180 - 181
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Safety Valves, Pressure Gauges, Temperature Gauges

Safety Valves without Protection Cap

Male threaded safety valve out of brass. Herose type, without protection cap
CE-labeled, gasket: Viton, for temperature up to +180° C
especially suitable to be used on compressors

Opening pressure	1/2" BSP	3/4" BSP	1 1/4" BSP	1 1/2" BSP
0,3 bar	090 090000	090 090001		
1,0 bar				090 090011
1,2 bar			090 090003	090 090009
1,5 bar				090 090012
2,0 bar			090 090005	090 090010
2,3 bar			090 090007	090 090013
2,5 bar			090 090008	090 090015
2,6 bar				090 090016

Safety Valves without Protection Cap

Male threaded safety valve of brass. Lorch type, without protection cap
with CE-labeled. Gasket: viton, for temperature up to +180° C
especially to be used on compressors

Thread	Opening pressure	Part no.
1 1/2" BSP	2,0 bar	090 090080
1 1/2" BSP	2,3 bar	090 090083
1 1/2" BSP	2,5 bar	090 090085

Glyzerin-filled Temperature Gauges

Stainless steel, glycerine filled dial temperature gauge.
Stub out of stainless steel.

Diameter	range	Length of stub	Male thread	Connection	Part no.
63 mm	0 / 120°C	60 mm	1/2" BSP	bottom	200 200990
63 mm	0 / 200°C	60 mm	1/2" BSP	bottom	090 092010
63 mm	0 / 220°C	25 mm	1/2" BSP	back	090 155251
63 mm	0 / 250°C	60 mm	1/2" BSP	bottom	090 155253
100 mm	0 / 300°C	40 mm	1/2" BSP	back, angled 90°	090 155250

Non-filled Thermometers

Stainless steel, non-filled dial temperature gauge.
Stub out of stainless steel.
Feldbinder type

Diameter	Range	Length of stub	Male thread	Connection	Part no.
63 mm	0 / 300°C	25 mm	1/2" BSP	back, angled 90°	090 092030
63 mm	0 / 120°C	25 mm	1/2" BSP	back, angled 90°	090 092035

Safety Valves with Protection Cap

Male threaded safety valve out of brass. Herose type, with protection cap.
CE-labed, gasket: Viton, for temperature up to +180° C.
Especially for to be used on trailers. Suitable for liquid, granulated or powderlike products.

Opening pressure	1" BSP	1 1/4" BSP	1 1/2" BSP
0,8 bar		090 090724	090 090744
1,0 bar		090 155028	090 090745
1,2 bar		090 090725	090 090745
1,5 bar		090 155030	090 090748
2,0 bar	090 090722	090 090730	090 090750
2,3 bar	090 090723	090 090733	090 090753
2,5 bar		090 090735	090 090755
2,8 bar			090 090758
3,0 bar		090 090740	090 155044

Safety Valves with Protection Cap

Male threaded safety valve out of brass. Lorch type, with protection cap.
CE-labed, gasket: Viton, for temperature up to +180° C.
Especially for to be used on trailers. Suitable for liquid, granulated or powderlike products.

Thread	Opening Pressure	Part no-
1 1/4" BSP	2,0 bar	090 090660
1 1/2" BSP	2,0 bar	090 090670
2" BSP	2,0 bar	090 090680

Stainless Steel Safety Valves

Male threaded safety valve out of stainless steel (V4A), with or without protection cap.
CE-labeled, gasket: Viton, for temperature up to +180° C.

Thread	Opening pressure	Remark	Type	Part no.
1" BSP	1,5 bar	type 69.2, head M	with protection cap	090 155048
1" BSP	2,0 bar	type 6.2, head C	without protection cap	090 090952
1" BSP	2,3 bar	type 69.2, head M	with protection cap	090 155053
1" BSP	3,0 bar	type 6.2, head C	without protection cap	090 090953
1" BSP	3,0 bar	type 69.2, head M	with protection cap	090 155052
1 1/4" BSP	2,3 bar	type 69.2, head M	with protection cap	090 155054
1 1/2" BSP	2,0 bar	type 66.2, head M	without protection cap	090 090962
1 1/2" BSP	2,0 bar	type 11.2, head M	with protection cap	090 155055

Non-filled Pressure Gauges

Pressure gauge with steel plate housing, lacquered black.
Non-filled type, male threaded connection out of brass.

Diameter	Range	Thread	Connection	Part no.
63 mm	-1 / 3 bar	1/4" BSP	bottom	090 091080
63 mm	0 / 2,5 bar	1/4" BSP	bottom	090 091000
63 mm	0 / 4 bar	1/4" BSP	bottom	090 091010
63 mm	0 / 4 bar	1/4" BSP	rear	090 091042
63 mm	0 /6 bar	1/4" BSP	bottom	090 091020
63 mm	0 / 10 bar	1/4" BSP	bottom	090 091030
63 mm	0 / 10 bar	1/4" BSP	rear	090 091043
63 mm	0 / 16 bar	1/4" BSP	bottom	090 091031
63 mm	0 / 25 bar	1/4" BSP	bottom	090 091035
63 mm	0 / 40 bar	1/4" BSP	bottom	090 091040
80 mm	0 / 4 bar	1/2" BSP	bottom	090 091046
100 mm	-1 /3 bar	1/2" BSP	bottom	090 091090
100 mm	0 / 2,5 bar	1/2" BSP	bottom	090 091049
100 mm	0 / 4 bar	1/2" BSP	bottom	090 091055
100 mm	0 / 4 bar	1/2" BSP	rear	090 091075
100 mm	0 / 6 bar	1/2" BSP	bottom	090 091062
100 mm	0 / 10 bar	1/2" BSP	bottom	090 091057

Glyzerine-filled Pressure Gauges, 63 mm

Pressure gauge with stainless steel housing (V4A).
Filled with glycerine, male threaded connection out of brass

Diameter	Range	Male Thread	Connection	Remark	Part no.
63 mm	-1 / 3 bar	1/4" BSP	bottom		090 091215
63 mm	-1 / 3 bar	1/4" BSP	rear		090 091216
63 mm	0 / 1 bar	1/4" BSP	bottom		090 091100
63 mm	0 / 1,6 bar	1/4" BSP	bottom		090 091150
63 mm	0 / 1,6 bar	1/4" BSP	rear		090 091151
63 mm	0 / 2,5 bar	1/4" BSP	bottom		090 091105
63 mm	0 / 2,5 bar	1/4" BSP	rear		090 091220
63 mm	0 / 4 bar	1/4" BSP	bottom	safety glass, aluminium dial	090 091110
63 mm	0 / 4 bar	10 mm stub	bottom		090 091210
63 mm	0 / 4 bar	1/4" BSP	rear	safety glass, aluminium dial	090 091225
63 mm	0 / 6 bar	1/4" BSP	bottom		090 091115
63 mm	0 / 6 bar	10 mm stub	bottom	safety glass, aluminium dial	090 091209
63 mm	0 / 6 bar	1/4" BSP	rear		090 091226
63 mm	0 / 10 bar	1/4" BSP	rear		090 091227
63 mm	0 / 12 bar	1/4" BSP	bottom	safety glass, aluminium dial	090 091120
63 mm	0 / 16 bar	1/4" BSP	bottom		090 091125
63 mm	0 / 16 bar	10 mm stub	bottom	safety glass, aluminium dial	090 091214
63 mm	0 / 16 bar	1/4" BSP	rear		090 091228
63 mm	0 / 25 bar	1/4" BSP	bottom		090 091130
63 mm	0 / 40 bar	1/4" BSP	bottom		090 091135
63 mm	0 / 60 bar	1/4" BSP	bottom		090 091136
63 mm	0 / 160 bar	1/4" BSP	bottom		090 091137
63 mm	0 / 250 bar	1/4" BSP	bottom		090 091138
63 mm	0 / 400 bar	1/4" BSP	bottom		090 091140

Glyzerine-filled Pressure Gauges, 100 mm

Pressure gauge with stainless steel housing(V4A).
Glycerine filled, male threaded connection out of brass

Diameter	Range	Thread	Connection	Remark	Part no.
100 mm	-1 / 5 bar	1/2" BSP	bottom		090 091240
100 mm	-1 / 3 bar	1/2" BSP	rear		090 091239
100 mm	0 / 4 bar	1/2" BSP	bottom	safety glass, aluminium dial	090 091245
100 mm	0 / 4 bar	1/2" BSP	rear		090 091230
100 mm	0 / 6 bar	1/2" BSP	bottom		090 091246
100 mm	0 / 6 bar	1/2" BSP	rear		090 091235
100 mm	0 / 6 bar	stub, 12 mm	bottom		090 155198
100 mm	0 / 6 bar	M 16 x 1,5 mm male M 10 x 1,0 mm female	bottom		090 155199
100 mm	0 / 10 bar	1/2" BSP	bottom		090 091250
100 mm	0 / 10 bar	stub, 12 mm	bottom		090 155204
100 mm	0 / 60 bar	1/2" BSP	bottom		090 091253
100 mm	0 / 250 bar	1/2" BSP	bottom		090 091255
100 mm	0 / 400 bar	1/2" BSP	bottom		090 091260

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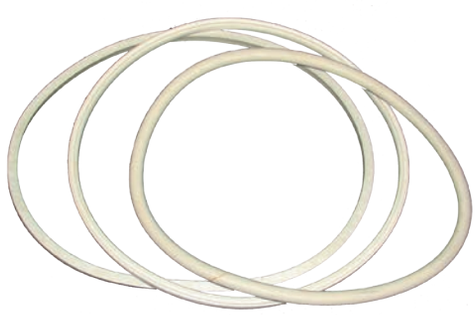
„Around the trailer"

Manlid and Outlet Accessories, Filter Hoses, Magnets, Silencer, Solimar Valves, et cetera

Air Silencers

Silencer, for reduce noice level when draining air from the silo trailer

Description	Connection	Part no.
SILGON brand silencer of brass/aluminium lenght: 360 mm, usable in both directions sound pressure level < 80 db(A)	BSP 1 1/4" and 2" male	100 103500
bypass silencer for compressor	BSP 1 1/2" male	100 103550
bypass silencer for compressor	BSP 2" male	100 103560
stainless steel wool for bypass silencer, packaging unit: 150 g		100 155903



Manlid Gaskets for Silo Trailer

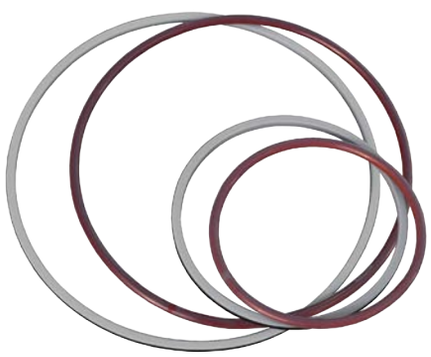
Dome cover gasket for silo trailer, closed type.

Intended for	Description	Material	Part no.
Feldbinder	460 mm inner diameter, square section	Perbunan, white	100 100300
Feldbinder	460 mm inner diameter, triangle section	Perbunan, white	100 100301
Benalu	477 mm outer diameter,	Perbunan, white	100 100305
Filiat	450 mm inner diameter, 15 x 17 mm square section	Perbunan, white	100 100310
Kässbohrer/Schallex	450 mm inner diameter, 20 mm round section	Perbunan, white	100 100320
Spitzer(old)/Interconsult	410 mm inner diameter, 15 x 15 mm square section	Perbunan, white	100 100330
Spitzer	450 mm inner diameter, 14 x 15 mm square section	Perbunan, white	100 100355
GOFA	diameter: 450 x 490 mm	NBR/SBR, white	100 100358
van Hool	470 mm inner diameter	Perbunan, white	100 100361
van Hool	455 mm inner diameter	Perbunan, white	100 100362
Interconsult	446 mm inner diameter	Perbunan, white	100 100370
OMEPS	450 mm inner diameter	Perbunan, white	100 100350
Kässbohrer	470 mm inner diameter	NBR, white	100 100321

Manlid Gaskets for Silo Containers

Dome cover gasket for silo containers, closed type, 60 +/- 5° Shore.

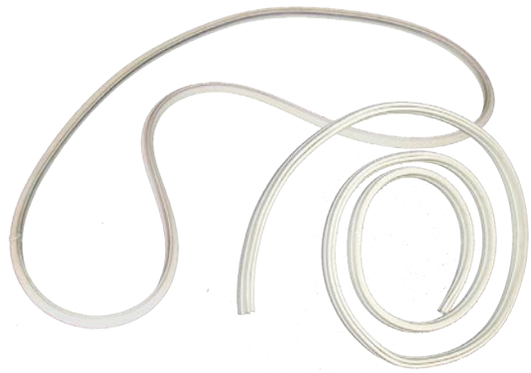
Intended for	Description	Material	Part no.
Zeppelin	430 mm inner diameter	NBR/SBR, white	100 100315
LAG	469 mm inner diameter, 20 x 13 mm square section	NBR/SBR, white	100 100352
LAG	472 mm inner diameter, 20 x 13 mm square section	NBR/SBR, white	100 100353
LAG	432 mm inner diameter, 20 x 13 mm square section	NBR/SBR, white	100 100359



Manlid Gaskets for Tanker

Dome cover gasket for tank trailers and tank containers, closed type.

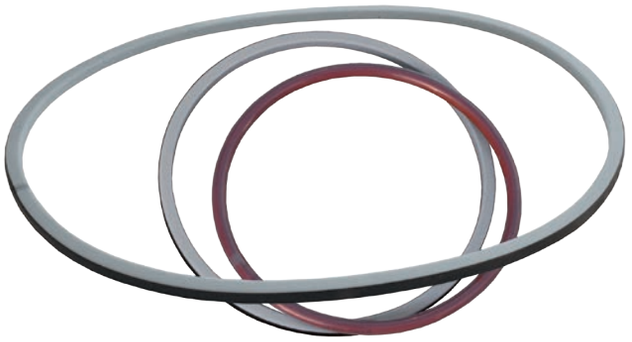
Intended for	Diecription	Material	Remark	Part no.
Hobur	477 mm inner diameter	Perbunan/PTFE		100 100357
Hobur	500 mm inner diameter	Perbunan/PTFE		100 100356
Hobur	483 mm inner diameter	Silicone		100 100369
Hobur	483 mm inner diameter	NBR/SBR, white		100 100372
Fort Vale	491 mm inner diameter, 15 mm round section	Silicone/PTFE	FV 5005-50FT	270 275834
Fort Vale	491 mm inner diameter, square profile	Silicone/PTFE	FV 5005-FTSQ	270 275835
Fort Vale	491 mm inner diameter, 16 x 12 mm square section	NBR/SBR, white	FV 5005-50SWR	270 275836
Fort Vale	491 mm inner diameter, 16 x 10 mm square section	EPDM/PTFE	FV 5005-860EP	270 275839
Fort Vale	491 mm inner diameter, 15 mm, round section	Butyl rubber	gas tight	270 275842
Magyar	522 mm inner diameter, 15 x 10 mm square section	EPDM, white	ca. 60° Shore	100 100325



Outlet Gaskets for Silo Trailer

Outlet seal for silo-trailers and silo-containers, closed execution.

Intended for	Description	Material	Part no.
Kässbohrer	726 x 715 x 15 mm high	NBR/SBR, white	100 100291
Kässbohrer	226 x 194 x 16 mm, round	NBR/SBR, white	100 100400
Kässbohrer	12 x 12 mm, for container	NBR/SBR, white	100 155350
Spitzer	with vulcanized 8 mm round cord, „inflatable“	NBR/SBR, white	100 100295
Feldbinder	diameter: 600 mm	NBR/SBR, white	100 100297
Feldbinder	bowl side; diameter: 800 mm, width at bottom: 16 mm	NBR/SBR, white	100 100298
Feldbinder	cover side; diameter: 800 mm, width at bottom: 26 mm	NBR/SBR, white	100 100299
Feldbinder	162 x 16 mm, round section	silicone, translucent	100 100408
Feldbinder/Kässbohrer	U-shaped section, available per meter	NBR/SBR, white	100 100290
Benalu	diameter: 570/610 mm	NBR/SBR, white	100 100306
Benalu	diameter: 630/670 mm	NBR/SBR, white	100 100308
Benalu	175 x 134 x 16 mm, round	NBR/SBR, white	100 100409
van Hool	type VH 10	NBR/SBR, white	100 100360



Outlet Gaskets for Tanker

Outlet gasket for tank trailer and tank container, closed type.

Brand	Description	Material	Remark	Part no.
Fort Vale	291 mm inner diameter, 15 mm, round section	Silicone/PTFE	5005-30FT	270 275833
Fort Vale	300 mm outer diameter, 16 x 10 mm square section	NBR/SBR, white	5005-30SWR	270 275837
Fort Vale	300 mm outer diameter, 16 x 10 mm square section	EPDM/PTFE	5005-890EP	270 275838
Fort Vale	300 mm outer diameter, 15 mm, round section	butyl rubber	gas-tight	270 275843

Glue

Instant adhesive for rubber cord

Remark	Part no.
20 g bottle	100 100391

Rubber Cords

Rubber cord out of perbunan, white (available per required lengths)

Size	Part no.
U-shaped section, for Feldbinder/Kässbohrer	100 100390
8 x 8 mm	100 100374
10 x 10 mm	100 100376
12 x 8 mm	100 100373
12 x 15 mm	100 100381
13 x 13 mm	100 100378
14 x 14 mm	100 100392
15 x 10 mm	100 100380
15 x 15 mm	100 100382
15 x 17 mm	100 100379
15 x 20 mm	100 100383
16 x 12 mm	100 100384
16 x 16 mm	100 100385
20 x 10 mm	100 100387
20 x 20 mm	100 100388
25 x 20 mm	100 100389

PUR Outlet Hose

Polyurethane hose DN 250, suitable as discharge hose for rotary valve.
Translucent, with white plastic helix.
Elongated length: 850 mm
Temperature range: -40°C / +90°C
Suitable for foodstuff, according to FDA

Remark	Part no.
please note printed direction on the hose indicating flow direction	100 100108
clamp for hose DN 250	050 050400

Spirit Levels

Spirit level for silo trailer, distance between holes: 42 mm

Description	Part no.
spirit level	100 100190

Solimar Aeration Valves

Aeration valve and accessories Solimar brand.

Description	Remark	Part no.
valve, blue silicone	type 4124	100 100115
valve, white silicone	type 4134	100 100116
grey bolt, brass connection	type 4125	100 100117
white bolt, stainless steel connection	type 4135	100 100118
aluminium bolt	type 4155	100 100119
abrasion sheet, black rubber	type 4126	100 100120
distributor gasket, blue Silicone	type 4127	100 100121
distributor gasket, white Silicone	type 4137	100 100122
body, one exit, grey	type 4121	100 100123
body, two exits, grey	type 4122	100 100124
body, three exits, grey	type 4123	100 100125
body, one exit, transparent	type 4621	100 100126
body, two exits, transparent	type 4622	100 100127
body, three exits, transparent	type 4623	100 100128
clamping screw, T-shaped, stainless steel	type 4129	100 100129
clamping screw, hexagon socket, stainless steel	type 4149	100 100130

Eyebolts

Eyebolt for manlid.
The quoted length is measured from the end of thread up to the center of the eye.
Unless stated otherwise, the eye is about two mm smaller then the diameter of the thread.

Dimension	Material	Remark	Part no.
M 16 x 110 mm	zinc-plated steel, 5.6	eye diameter: 17 mm	100 100490
M 16 x 120 mm	zinc-plated steel, 5.6		100 100492
M 20 x 100 mm	zinc-plated steel, 5.6		100 100500
M 20 x 110 mm	zinc-plated steel, 5.6		100 100505
M 20 x 120 mm	zinc-plated steel, 5.6		100 100510
M 20 x 120 mm	zinc-plated steel, 5.6	with nut and grooved pin, pre-drilled	100 100511
M 20 x 120 mm	zinc-plated steel, 5.6	eye diameter: 20,5 mm	100 100512
M 20 x 130 mm	zinc-plated steel, 5.6		100 100515
M 20 x 140 mm	zinc-plated steel, 5.6	eye diameter: 20,5 mm	100 100518
M 20 x 160 mm	zinc-plated steel, 5.6		100 100520
M 24 x 100 mm	zinc-plated steel, 5.6		100 100530
M 24 x 120 mm	zinc-plated steel, 5.6		100 100540
M 24 x 130 mm	zinc-plated steel, 5.6		100 100543
M 24 x 140 mm	zinc-plated steel, 5.6		100 100545
M 24 x 160 mm	zinc-plated steel, 5.6		100 100520
M 24 x 200 mm	zinc-plated steel, 5.6		100 100531
M 30 x 160 mm	zinc-plated steel, 5.6		100 100560
M 20 x 100 mm	stainless steel, V2A		100 100561
M 20 x 120 mm	stainless steel, V2A		100 100562
M 20 x 140 mm	stainless steel, V2A		100 100564
M 20 x 160 mm	stainless steel, V2A		100 100563
M 24 x 100 mm	stainless steel, V2A	eye diameter: 22,5 mm	100 100565
M 24 x 120 mm	stainless steel, V2A	eye diameter: 22,5 mm	100 100566
M 24 x 130 mm	stainless steel, V2A	eye diameter: 22,5 mm	100 100567
M 24 x 160 mm	stainless steel, V2A	eye diameter: 22,5 mm	100 100568

Double-Winged Manlidnuts

Double-winged manlidnut, not TÜV approved,

Dimension	Material	Remark	Part no.
M 18	zinc-plated steel, 5.6		100 100618
M 20	zinc-plated steel, 5.6	for Spitzer/Feldbinder,	100 100622
M 24	zinc-plated steel, 5.6		100 100630
M 20	stainless steel, V2A	single-wing type	100 100611
M 24	stainless steel, V2A		100 100623

Single-Piece Manlid Screwings

Single-piece manlid screwing out of zinc-plated steel.
Consisting of a double-winged nut, screw and fixing element.
Height of bush: 20 mm (unless stated otherwise)

Dimension	Intended for	Remark	Part no.
M 16 x 110	Benalu		100 100691
M 20 x 110	Benalu	with component test: Z 612 according to EC-directive	100 100697
M 20 x 120	Filiat		100 100689
M 20 x 100	Spitzer		100 100690
M 20 x 110	Feldbinder/Spitzer	with approval: Z 614 according to EC-directive	100 100696
M 20 x 120	Feldbinder/Spitzer	with approval: Z 614 according to EC-directive	100 100692
M 20 x 130	Feldbinder/Spitzer	with approval: Z 614 according to EC-directive	100 100693
M 20 x 160	Feldbinder/Spitzer	with approval: Z 614 according to EC-directive	100 100694
M 20 x 100	Feldbinder/Spitzer	with welded protection	100 100701
M 20 x 110	Feldbinder/Spitzer	with welded protection	100 100702
M 20 x 100	Kässbohrer	with approval: Z 614, height of bush: 75 mm	100 100699
M 20 x 120	Kässbohrer	with approval: Z 614, height of bush: 75 mm	100 100698
M 20 x 140	Kässbohrer	height of bush: 75 mm	100 155412
M 20 x 110	Feldbinder/Spitzer	material: stainless steel	100 100705

Eyebolts with hinged Levers

Hinged eyebolt set for manlid.
Material: zink-plated steel

Brand	Description	Part no.
Spitzer	with eyebolt M 16 x 90 and hexagon nut, welded	100 100595
Feldbinder	with eyebolt M 16 x 90	100 100703

Safety Pins

Safety pin and circlip for manlid screwings

Dimension	Intended for	Material	Remark	Parrt no.
16 x 65 mm	Benalu	zinc-plated steel	with hammer head and 5 mm pin bore	100 100686
18 x 65 mm	Feldbinder/Spitzer	zinc-plated steel	with two grooves for circlip	100 100680
18 x 70 mm	Feldbinder/Spitzer	stainless steel	with two grooves for circlip	100 155535
18 x 85 mm	Feldbinder/Spitzer	zinc-plated steel	with two grooves for circlip	100 100682
18 x 85 mm	Feldbinder/Spitzer	stainless steel		100 155384
18 x 85 mm	Kässbohrer	zinc-plated steel	with two pin bores	100 100685
18 x 65 mm		zinc-plated steel	with hammer head and 5 mm pin bore	100 100687
	Feldbinder/Spitzer	steel	circlip for bolt	100 100681
	Feldbinder/Spitzer	stainless steel	circlip for bolt	100 100683

Miscellaneous Fixtures for Discharge Bowl

Miscellaneous fixtures for silo trailer

Intended for	Description	Material	Part no.
Kässbohrer	ringnut M 24	zinc-plated steel	100 100572
Spitzer	clamping bracket M 20, 170 x 73 x 35 mm	zinc-plated steel	100 100584
Spitzer	toggle screw M 20 x 75 mm	zinc-plated steel	100 100585
Spitzer	toggle screw M 20 x 110 mm	zinc-plated steel	100 100586
Feldbinder	toggle screw M 24 x 85 mm	stainless steel	100 100605
Benalu / Filiat	oval ring nut, M 20	chrome-plated steel	100 100655
Benalu / Filiat	double-wing nut M 20, height of bush: 62 mm	stainless steel	100 100626

Accessories for Discharge Bowl Fixtures

Accessories for discharge bowl fixtures.

Intended for	Description	Material	Part no.
Kässbohrer	safetybolt 20 x 100 mm	zinc-plated steel	100 100688
Kässbohrer	eyebolt M 24 x 140 mm	zinc-plated steel	100 100545
Kässbohrer	bush 25 x 39 x 3,0 mm	stainless steel	100 155568
Spitzer	spring	stainless steel	100 100589
Spitzer	hammerhead bolt 20 x 110 mm	zinc-plated steel	100 155594

Omega Clips

Omega clip, used to attachthe liners/inlets on silocontainerboxes.
Including fixing chain

Material	Part no.
stainless steel	100 100720

Vemag Brand Magnets

Vemag brand magnet DN 100, for use during the dispensal of powderlike foodstuffs, nominal pressure: 2 bar,
Both sides 4“ BSP male threaded.
Material: stainless steel AISI 316.
Available with or without exchangeable sieve cassette.
Magnets strength: 12500 Gauss (approx. 4,5 kg/cm²).

Remark	Part no.
cpl. with sieve, mesh: 5 mm	100 100950
without sieve	100 100951

Vemag Brand Accessories

Accessories for Vemag brand magnet

Remark	Part no.
sieve cassette, mesh: 5 mm	100 100956
sieve cassette, mesh: 10 mm	100 100955
sieve cassette, mesh: 5 mm, conical construction	100 100957
isert with three magnet bars	100 100954

Outlet Elbows

90° discharge elbow for silo outlet, with 2“ male thread for air supply.
Type metal casting (unless stated otherwise)

Thread trailer connection	Thread outlet	Material	Remark	Part no.
BSP 4" male	BSP 4" male	stainless steel		070 073150
BSP 4" male	BSP 4" male	stainless steel	welded type	070 073158
BSP 4" male	BSP 4" male	aluminium	welded type	070 073160
BSP 4" male	BSP 4" male	steel	welded type	080 080812
with nut 130 x 1/4"	BSP 4" male	stainless steel		070 073151
with nut 130 x 1/4"	TW flange DN 100	stainless steel		070 073152
with nut 124 x 1/6"	BSP 4" male	stainless steel	for Spitzer/France	070 073153
flange DN 200, Spitzer	BSP 4" male	stainless steel	welded type, swiveling	070 073154
flange DN 150, Spitzer	BSP 4" male	stainless steel	welded type, swiveling	070 073155
BSP 4" male	BSP 3" male	stainless steel	welded type	070 155657
BSP 4" male	BSP 3" male	steel	welded type	070 155659
BSP 4" male	BSP 4" male	stainless steel	one side increased wall thickness	070 073149

other dimensions and versions are available

Flanged Reducers for Silo-Outlet

Flanged reducer out of stainless steel for silo-outlet; one side male threaded.

Flange	Pattern	Thread	Remark	Part no.
DN 100, DIN	180 x 8 x 18	DIN 130 x 1/4"		030 036255
DN 100, TW	150 x 8 x 14	DIN 130 x 1/4"		030 036256
DN 100, TW	150 x 8 x 14	Spitzer 124 x 1/6"		030 036505
DN 150 Feldbinder/Spitzer	210 x 12 x 14 mm and 210 x 8 x 14 mm	BSP 4"		070 070684
DN 150 Feldbinder/Spitzer	210 x 12 x 14 mm and 210 x 8 x 14 mm	BSP 4“	length: 180 mm	070 070683
DN 150 Feldbinder/Spitzer	210 x 12 x 14 mm and 210 x 8 x 14 mm	DIN 130 x 1/4"		070 070682

Blind Caps for Silo-Outlet

Blind cap DN 100, out of white polyethylen.
With knob for chain attachment.

Female thread	Part no.
DIN 130 x 1/4"	140 142350

Microfilters

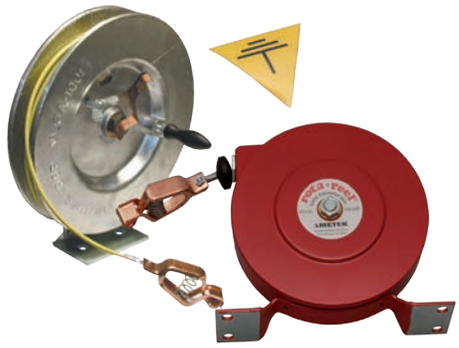
Microfilter out of stainless steel (1.4301), complete with cartridge, mesh: 5 my

Description	Connection	Part no.
type PLF 1000, for vertical installation, overall length: 750 mm flow rate: 600-1200 m³/h, nominal pressure: 3 bar temperature range: -30/+200° C	flange DN 65	100 101001
type VFH 80, for vertical and horizontal installation, overall length: 490 mm, flow rate: max. 500 m³/h, nominal pressure: 2 bar, temperature: max. 180° C	BSP 2 1/2" female	100 101005
type VFH 90, for vertical and horizontal installation, overall length: 620 mm, flow rate: max. 500 m³/h, nominal pressure: 2 bar, temperature: max. 180° C	BSP 3" female	100 101006

icrofilter accessories

Accessories for microfilter.

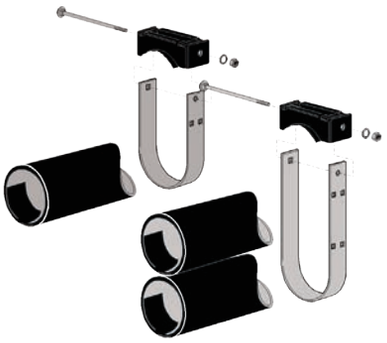
Description	For filter	Part no.
threaded rod M 12 x 335 mm	VFH 80	100 100980
threaded rod M 12 x 535 mm	VFH 90	100 100981
guiding nut	VFH 80/VFH 90	100 100983
clamping plate	VFH 80/VFH 90	100 100984
cartridge, type 3030, 5 micron, length: 300 mm	VFH 80	100 101003
cartridge, type KE 2336 „Karl Schmidt“, length: 300 mm	VFH 80	100 101004
cartridge, type 3050, 5 micron, length: 500 mm	VFH 90	100 101007
cartridge with nut DN 50, 5 micron, length: 525 mm	Mahle	100 101008
cartridge type P-SM N 30/30, 25 micron, length 762 mm	Donaldson P-EG 1092	100 101009



Grounding Sets and Cables

Grounding cable and accessories

Description	Part no.
grounding reel with 15 m vinyl-coated cable, dimension: 27,5 x 4,2 cm, weight: 3,51 kg with brass clamp: 3/16" x 4" and handle	100 101270
automatically rewinding grounding reel, with 15 m venyl-coated cable dimension: 20 x 5,9 cm, with copper fastener: 3/16" x 4" and spring assisted rewinding mechanism	100 101280
brass clamp for grounding cable, max. 100 Ampere	100 101271
handle for reel	100 101272
grounding cable for reel, complete with brass clamp, length: 15 m	100 101273
PVC grounding label, triangle, black/yellow, self-adhesive	120 120005



Brackets for Hosepipes

Bracket for hosepipe.
Material: Polyethylene (HD-PE) / stainless steel.

Outside diameter	Suitable for	Part no.
160 mm	single pipe	100 155803
160 mm	double pipe	100 155804
160 mm	triple pipe	100 155805
180 mm	double pipe	100 155802
200 mm	single pipe	100 155806
200 mm	double pipe	100 155807
160/200 mm	double pipe	100 155810

Keys for Hosepipes

Key, to be used for hosepipes, toolboxes, manlids and butterfly valves

Description	Image no.	Part no.
stainless steel key with 6/8 mm square, conical, type Feldbinder	1	100 100208
pin-lock-key, 8 mm square, long	2	100 100210
double-bearded-key	3	100 101350
pin-lock-key, 8 mm square, short	4	100 101351
crown-key		100 101352
key with 8 mm square cutout	5	100 101353
key with 10 mm triangle-shaped cutout	6	100 155793
stainless steel universal key with double beard, 6/8 mm double square, 8 mm internal / external square		100 100220

Locks for Hosepipes

Lock for hosepipes and toolboxes

Description	Image no.	Part no.
stainless steel safety-turning-bolt, Feldbinder type	1	100 100209
turning bolt with 7 mm square nut	6	100 100215
lock with toggle	2	100 101349
lock with 8 mm square cutout	3	100 101354
lock for double-bearded-key (100101350)	4	100 101355
polyamide lock for double-bearded-key (100101350)		100 101356
cylinder lock, complete with 2 keys	5	100 155789
lock with 5 mm square cutout		100 155791

Silencer

Silencer for silo air, body out of PE (HD-PE), 2000 mm overall length.
To decrease noise level whilst discharging silo air.
With internal polyester needle filter hose.

Description	Male thread	Part no.
silencer	2 1/2" BSP	100 101392

Vehicle Maintenance

Vehicle Maintenance Items, Vikan Brand

Vikan maintenance items for truck and trailer

Description	Picture no.	Dimension	Part no.
vehicle brush with waterflow	7	70 x 270 mm	110 155962
vehicle brush with waterflow	7	80 x 400 mm	110 155963
vehicle brush with handle	1	130 x 140 mm	110 155964
big vehicle brush, hygienesystem		140 x 200 mm	110 155997
pipe-brush, hygienesystem	2	90 mm	110 155987
water-pusher „Wipe-N-Shine“, 350 mm	8	350 mm	110 155975
water-pusher „Wipe-N-Shine“, 450 mm	8	450 mm	110 155976
water-pusher, swiveling, hygienesystem		450 mm	110 155995
water-pusher, swiveling hygienesystem		600 mm	110 155996
stick with waterflow		1900 mm	110 155978
telescope stick with waterflow	4	1500-2750 mm	110 155979
wooden stick		1550 mm	110 155987
wall bracket holding for up to 3 sticks	3		110 155986
plastic shovel, green	6		110 155968

Safety Sings, Vehicle Labelling

Safety Plates

Safety plate according to ADR/GGVS
Material: aluminium
Dimensions: 400 x 300 x 2 mm
Complete with holding strap, bag for ADR papers and cover

Description	Part no.
non-folding panel	120 120010
folding panel, with toggleclamp	120 120015

Panel plates

Panel plate, according to ADR/GGVS.
Dimension: 400 x 300 mm, front side covered in orange refelecting plasticfilm.

Description	Material	Part no
non-folding panelplate, for numbers 70 x 117 mm	zink plated steel	120 120021
non-folding panelplate, for numbers 70 x 117 mm	stainless steel	120 120266
non-folding panelplate, for numbers 95 x 135 mm	stainless steel	120 120018
non-folding panelplate, for numbers 70 x 117 mm, cpl. with holder and cover	zink plated steel	120 120020
folding panelplate, cpl. with numbers set 70 x 117 mm, holder and cover	zink plated steel	120 120019
non-folding panelplate, cpl. with numbers set 70 x 117 mm, holder and cover	stainless steel	120 120265
folding panelplate, cpl. with numbers set 70 x 117 mm, holder and cover	stainless steel	120 120350
non-folding panelplate, for numbers 95 x 135 mm, cpl. with holder	stainless steel	120 158242

Convertible Plates

Convertible plate, used during transportation of petrol and heating oil/diesel, according to ADR.
Dimensions: 400 x 300
Convertable from showing 30/1202 to 30/1203 by using the handle at the edge of the plate

Material	Part no.
stainless steel (V2A)	120 120300

Self-adhesive PVC Pictograms

Self-adhesive PVC pictogram, 300 x 300 mm

Discription	Colour	Part no.
„hot material“ (triangle form)	red/white	120 120077
no. 1, explosive	orange/ black	120 120080
no. 2.1, inflammable gases	red/black	120 120075
no. 2.2, non-inflammable gases	green/ black	120 120079
no. 3, inflammable liquids	red/black	120 120081
no. 4.1, inflammable solids	red/white/black	120 120082
no. 4.2, self-igniting goods	red/white/black	120 120083
no. 4.3, igniting goods, when exposed to water	blue/ black	120 120084
no. 5.1, oxydizing goods	yellow/ black	120 120085
no. 6.1, toxic goods	black/white	120 120086
no. 8, corrosive goods	black/white	120 120088
no. 9, other dangerous goods and items	black/white	120 120087

Frames for Safety Plates

Frame out of stainless steel (V2A), 300 x 300 mm.
For insert safety plates, with spring lock

Description	Part no.
stainless steel frame, 300 x 300 mm	120 120105

Hinged Plates with Pictograms

Hinged plate with pictograms, for rotating transportation of dangerous goods

Description	Part no.
Hinged plate with frame out of stainless steel, dimension: 250 x 250 mm, complete with neutral board and seven pictograms: Nr. 3/4.1/4.2/5.1/6. 1/ 8/9 (pictograms can also be chosen at customer´s descretion)	120 120106
box of anodized alluminium dimension: 300 x 300 mm complet with four plates; 1 x neutral and seven pictograms: no. 3/4.1/4.2/4.3/6.1/8/9 (symbols can also be chosen at customer´s descretion)	120 156156

Aluminium Pictograms

Pictogram out of vanished alloy, 300 x 300 mm.
Without edge protection

Description	Colour	Part no.
„hot material“ (triangle form)	red/white	120 120101
no. 1, explosiv	orange/ black	120 120090
no. 3, inflamable liquids	red/black	120 120091
no. 4.1, inflammable solids	red/white/black	120 120092
no. 4.2, self-igniting goods	red/white/black	120 120093
no. 4.3, igniting goods, when exposed to water	blue/ black	120 120094
no. 5.1, oxidizing goods	yellow black	120 120095
no. 6.1, toxic goods	black/white	120 120096
no. 8, corrosive goods	black/white	120 120098
no. 9, other dangerous goods and items	black/white	120 120097
environment endangering	black/white	120 120103

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DIN Foodstuffs Couplings

Male Weldings Nipples

Male welding out of stainless steel (AISI 304), polished, according to DIN 11851
(please order gaskets separately).

Size	Thread (DIN 11851)	Part no.
DN 20	44 x 1/6"	140 141552
DN 25	52 x 1/6"	140 141553
DN 32	58 x 1/6"	140 141554
DN 40	65 x 1/6"	140 141555
DN 50	78 x 1/6"	140 141556
DN 65	95 x 1/6"	140 141557
DN 80	110 x 1/4"	140 141558
DN 100	130 x 1/4"	140 141559
DN 125	160 x 1/4"	140 141560
DN 150	190 x 1/4"	140 141561

Welding Liners

Welding liner out of stainless steel (AISI 304), polished, according to DIN 11851.

Size	Part no.
DN 20	140 141632
DN 25	140 141633
DN 32	140 141634
DN 40	140 141635
DN 50	140 141636
DN 65	140 141637
DN 80	140 141638
DN 100	140 141639
DN 125	140 141640
DN 150	140 141641

Nuts

Nut out of stainless steel (AISI 304), polished, according to DIN 11851.

Size	Thread (DIN)	Part no.
DN 20	44 x 1/6"	140 141162
DN 25	52 x 1/6"	140 141163
DN 32	58 x 1/6"	140 141164
DN 40	65 x 1/6"	140 141165
DN 50	78 x 1/6"	140 141166
DN 65	95 x 1/6"	140 141167
DN 80	110 x 1/4"	140 141169
DN 100	130 x 1/4"	140 141170
DN 125	160 x 1/4"	140 141171
DN 150	190 x 1/4"	140 141172

Gaskets

Gasket for male threaded foodstuff coupling
Wall thickness: 5 mm, according to DIN 11851

Size	Perbunan, blue	Perbunan, blue, thick	PTFE, white	Silicone, translucent	Viton, black
DN 10	140 141240				
DN 15	140 141241				
DN 20	140 141242		140 141302		
DN 25	140 141243		140 141303	140 141320	
DN 32	140 141244		140 141304	140 141321	
DN 40	140 141245		140 141305	140 141322	
DN 50	140 141246	140 141260	140 141306	140 141323	140 141335
DN 65	140 141247	140 141261	140 141307	140 141324	140 141337
DN 80	140 141249	140 141263	140 141309	140 141326	140 141339
DN 90	140 141253				
DN 100	140 141250	140 141265	140 141310	140 141327	
DN 125	140 141251				
DN 150	140 141252			140 141329	

Adapters, Male DIN to Male BSP

Connector from male DIN to male BSP thread.
Material: stainless steel (AISI 304), polished,
(please order gaskets separately)

Size	Thread BSP	Thread DIN 11851	Part no.
DN 20	3/4"	44 x 1/6"	140 157745
DN 25	1"	52 x 1/6"	140 157747
DN 40	1 1/2"	65 x 1/6"	140 143105
DN 50	2"	78 x 1/6"	140 143106
DN 65	2 1/2"	95 x 1/6"	140 143107
DN 65	3"	95 x 1/6"	140 143113
DN 80	3"	110 x 1/4"	140 143108
DN 100	4"	130 x 1/4"	140 143110

Adapters, Male DIN to Female BSP

Connector from male DIN to female BSP thread.
Material: stainless steel (AISI 304), polished,
(please order gaskets separately).

Size	Thread BSP	Thread DIN 11851	Part no
DN 25	1"	52 x 1/6"	140 143143
DN 32	1 1/4"	58 x 1/6"	140 143144
DN 40	1 1/2"	65 x 1/6"	140 143145
DN 50	2"	78 x 1/6"	140 143146
DN 65	2 1/2"	95 x 1/6"	140 143147
DN 65	3"	95 x 1/6"	140 157759
DN 80	3"	110 x 1/4"	140 143148
DN 100	4"	130 x 1/4"	140 143149

Adapters, Female DIN to Male BSP

Connector from female DIN to male BSP thread.
Material: stainless steel (AISI 304), polished,
(please order nuts separately).

Size	Thread	Remark	Part no.
DN 20	BSP 3/4"		140 157728
DN 25	BSP 1 1/2"		140 143063
DN 32	BSP 1 1/4"		140 157731
DN 40	BSP 1 1/2"		140 143065
DN 50	BSP 2"		140 143066
DN 65	BSP 2 1/2"		140 143067
DN 65	BSP 3"	complete with nut	140 143068
DN 80	BSP 3"		140 143072
DN 100	BSP 3"		140 143075
DN 100	BSP 4"		140 143076

Adapters, Female DIN to Female BSP

Connector from female DIN to male BSP thread.
Material: stainless steel (AISI 304), polished.
Complete with nut.

Size	Thread BSP	Thread DIN 11851	Part no.
DN 40	1 1/2"	65 x 1/6"	140 143184
DN 50	2"	78 x 1/6"	140 143185
DN 80	3"	110 x 1/4"	140 143187
DN 100	4"	130 x 1/4"	140 143188

Reducers, KG Type

Reducer out of stainless steel (V2A), polished.
KG type: large side with liner and nut; small side male threaded, according to DIN 11851,
(please order gaskets separately).

Size liner/nut	Size male thread	Type	Part no.
DN 65, Rd. 95 x 1/6"	DN 50, Rd. 78 x 1/6"	KG 65/50	140 145606
DN 80, Rd. 110 x 1/4"	DN 50, Rd. 78 x 1/6"	KG 80/50	140 145607
DN 80, Rd. 110 x 1/4"	DN 65, Rd. 95 x 1/6"	KG 80/65	140 145608
DN 100, Rd. 130 x 1/4"	DN 80, Rd. 110 x 1/4"	KG 100/80	140 145610

Reducers, GK Type

Reducer of stainless steel (V2A), polished
GK type: large side male threaded; small side with liner and nut, according to DIN 11851
(please order gaskets separately).

Size male thread	Size liner/nut	Type	Part no.
DN 80, Rd. 110 x 1/4"	DN 50, Rd. 78 x 1/6"	GK 80/50	140 145644
DN 80, Rd. 110 x 1/4“	DN 65, Rd. 95 x 1/6"	GK 80/65	140 145645
DN 100, Rd. 130 x 1/4"	DN 80, Rd. 110 x 1/4"	GK 100/80	140 157816

Blind Caps without Knob

Blind cap out of stainless steel (AISI 304), polished, according to DIN 11850.
This version does not include a knob and/or chain,
(please order sealing disc separately).

Size	Female thread DIN 11851	Part no.
DN 25	52 x 1/6"	140 142243
DN 32	58 x 1/6"	140 142244
DN 40	65 x 1/6"	140 142245
DN 50	78 x 1/6"	140 142246
DN 65	95 x 1/6"	140 142247
DN 80	110 x 1/4"	140 142249
DN 100	130 x 1/4"	140 142250
DN 125	160 x 1/4"	140 142251
DN 150	190 x 1/4"	140 142252

Blind Caps with Knob and Chain

Blind cap out of stainless steel (AISI 304), complete with knob and chain, polished, according to DIN 11850 (please order disc seals separately).

Size	Female thread DIN 11851	Part no.
DN 25	52 x 1/6"	140 157710
DN 40	65 x 1/6"	140 142405
DN 50	78 x 1/6"	140 142406
DN 80	110 x 1/4"	140 157708
DN 100	130 x 1/4"	140 157709

Sealing Discs

Sealing disc for blind cap.
Thickness: 3 mm

Size	Perbunan, white	PTFE, white
DN 25	140 142483	140 142503
DN 32	140 142484	140 142504
DN 40	140 142485	140 142505
DN 50	140 142486	140 142506
DN 65	140 142487	140 142507
DN 80	140 142489	140 142509
DN 100	140 142490	140 142510
DN 125	140 142491	
DN 150	140 142492	

Blind Plugs

Blind plug out of stainless steel (AISI 304), polished

Size	Male thread DIN	Part no.
DN 25	52 x 1/6"	140 157683
DN 40	65 x 1/6"	140 142001
DN 50	78 x 1/6"	140 142003
DN 65	95 x 1/6"	140 157685
DN 80	110 x 1/4"	140 142004
DN 100	130 x 1/4"	140 157687

Female Threaded Hose Tails

Hose tail with liner out of stainless steel (AISI 304), polished.
To be used in conjunction with safety shells (please order shells separately).

For hose diameter	Remark	Part no.
DN 50	without nut	140 149700
DN 65	cpl. with nut, DIN female 95 x 1/6"	140 149701
DN 75	without nut	140 149722

Please note: corresponding shells can be found on pages 66-68.

Male Threaded Hose Tails

Male threaded hose tail out of stainless steel (AISI 304), polished.
To be used in conjunction with safety shell (please order seals and shells separately).

For hose diameter	Male thread DIN	Part no.
DN 50	78 x 1/6"	140 149702
DN 65	95 x 1/6"	140 149703
DN 75	110 x 1/4"	140 149720

Welding Butterfly Valves

Butterfly valve out of stainless steel (AISI 304), polished.
Gasket: red silicone.
Connection: welding ends

Size	Part no.
DN 40	140 148004
DN 50	140 148003
DN 65	140 148008
DN 80	140 148005
DN 100	140 148006

Please note: BSP threaded disc valves can be found on page 126.

Butterfly Valve Sealings

Gaskets for butterfly valves.

Size	Material	Remark	Part no.
DN 40	silicone, red	AWH brand	140 148392
DN 50	silicone, transparent	Silgon brand	140 153493
DN 50	silicone, red	AWH brand	140 148393
DN 50	silicone, transparent	M & S brand	140 148456
DN 50	silicone, grey	Rosista brand	140 148463
DN 50	Viton, black	AWH brand	140 148385
DN 65	silicone, red	AWH brand	140 148389
DN 65	silicone, red	Kieselmann brand	140 148452
DN 80	silicone, red	AWH brand	140 148396
DN 80	silicone, red	Rosista brand	140 148454
DN 80	silicone, grey	Rosista brand	140 148465
DN 100	silicone, red	AWH brand	140 148397
DN 100	silicone, red	Kieselmann brand	140 148455

Sight Glasses

Sight glass out of stainless steel (AISI 304), both ends 3“ BSP male threaded.
With plastic glass, suited for the transport of foodstuffs.

Discription	Part no.
sightglass DN 80	140 149510
spare glass DN 80	140 149511

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Accessories for Butterfly Valves 244

Vacuum Valves 245

Bottom Valves 245

Accessories for Bottom Valves 246

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Fort Vale Parts

Manlid Fixtures

Manlid fixtures out of stainless steel (V2A), Fort Vale brand.
Consisting of eyebolt, double-winged nut and safetypin.
Bolts with either 16 mm or 3/4" eye diameter.
The length shown is measured from end of thread up to centre of eye.

Dimensions (eye diam. x length)	Fort Vale no.	Remark	Part no.
16 x 66 mm	496/5260		270 276970
16 x 87 mm	496/5342		270 276971
16 x 95 mm	496/5375		270 276972
16 x 66 mm	496/1260	brass double-winged nut	270 276973
16 x 87 mm	496/1342	brass double-winged nut	270 276974
16 x 95 mm	496/1375	brass double-winged nut	270 276975
3/4" x 66 mm	495/1005		270 276976
3/4" x 87 mm	495/1010		270 276977
3/4" x 95 mm	495/1059		270 276978
3/4" x 66 mm	495/1081	brass double-winged nut	270 276979
3/4" x 87 mm	495/1060		270 276980
3/4" x 95 mm	495/1055	brass double-winged nut	270 276981

Butterfly Valves

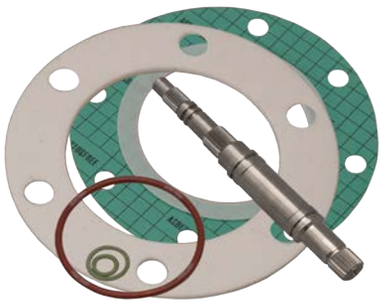
Flanged butterfly valve out of stainless steel (V4A) with lockable handle, Fort Vale brand.
Gaskets out of PTFE
Nominal pressure: 6 bar, suitable for temperatures up to 200° C

Size	Fort Vale no.	Remark	Part no
DN 80	368/5500B	TW flange pattern	270 156658
DN 80	368/7500B	TW flange pattern, left handed version	270 276140
DN 80	368/3160A	to be mounted between flanges	270 276060
DN 80	368/7000B	clamped type	270 276080
DN 100	468/5500B	TW flange pattern	270 156659
DN 100	468/7000B	to be mounted between flanges	270 276090

Tank-Pro Butterfly Valves

Butterfly valve out of stainless steel (V4A) with lockable lever, Tank Pro brand.
Sealings out of PTFE.
Nominal pressure: 6 bar, suitable for temperatures up to 200° C.
With BSP 3/8“ male connection, to allow cleaning or sampling

Connecetion (female x male thread)	Fort Vale no.	Remark	Part no.
3" BSP	368/9400SVBA	standard version	270 276100
3" BSP	368/9400SVEA	with lenghtened outlet	270 276101



Accessories for Butterfly Valves

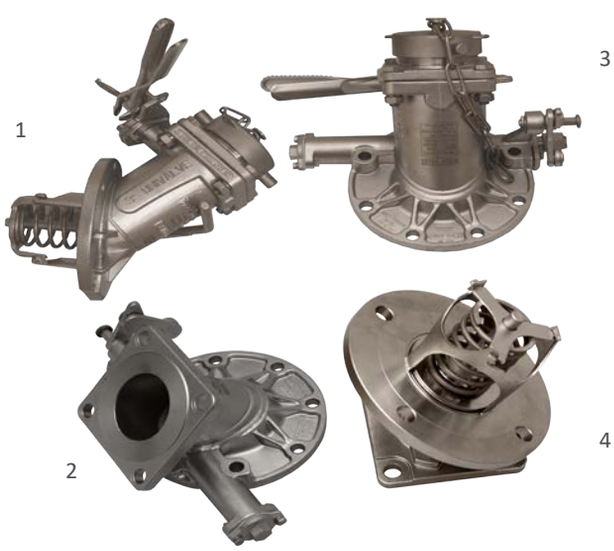
Accessories for butterfly valves, Fort Vale brand.

Description	Size	Fort Vale no.	Material	Part no.
sealing kit	DN 80	368/00SK	PTFE/Viton/NR	270 276062
main seal	DN 80	368/0002	PTFE	270 276063
disc	DN 80	368/0400	stainless steel	270 276067
shaft	DN 80	368/0200	stainless steel	270 276069
shaft, cpl. with gaskets	DN 80	368/0200S	stainless steel/Viton	270 276070
clamping ring	DN 80	5005-342	nitrile rubber	270 276073
flange gasket, TW, inlet	DN 80	BV7500INLET	PTFE	270 276144
flange gasket, TW, outlet	DN 80	BV7500OUTLET	PTFE	270 276146
sealing kit, TankPro	DN 80	368/94SK	PTFE/NR	270 276110
sealing kit	DN 100	468/00SKB	PTFE/Viton	270 156664
main sealing	DN 100	468/0002	PTFE	270 276064
clamping ring	DN 100	5005-357	nitrile rubber	270 276074
shaft	DN 100	368/0200	stainless steel	270 276069
shaft, cpl. with seals	DN 100	368/0200S	stainless steel/Viton	270 276070

Vacuum Valves

Vacuum valve out of stainless steel (V4A), Fort Vale Uniact brand.
BSP 2“ male threaded, with Fortyt gasket.
Suitable for temperatures up to 200° C

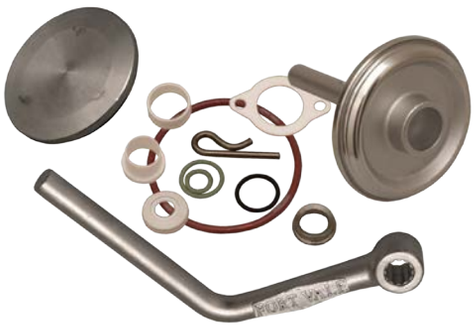
Vacuum	Fort Vale no.	Part no.
0,5 Hg	85/10001A	270 276796
1,5 Hg	85/10003A	270 276797



Bottom Valves

Bottom valves DN 80 out of stainless steel, Fort vale brand, to be used on tanktrailers and tankcontainers,
Nominal pressure: 6 bar, suitable for temperatures up to 200° C

Angle	Type	Remark	Part no.	Artikelnummer
45°	Cleanflow, 845/1200A	Fortyt sealing	3	270 276200
30°	Highlift, 832/3200	PTFE-sealing	4	270 276221
45°	Highlift, 826/1200A	PTFE-sealing	4	270 276230
45°	Uniflow, 806/4000	Cleanflow-bottom valve, incl. butterfly valve and 3" outlet flange	2	270 276270
45°	Univalve, 804/4000A	Highlift-bottom valve, incl. butterfly valve and 3" outlet flange	1	270 276320



Accessories for Bottom Valves

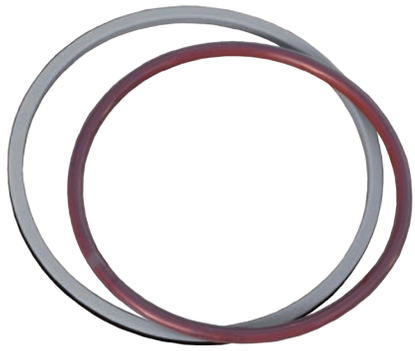
Accessories for Fort Vale bottom valves DN 80

Description	Fort Vale no.	Remark	Part no.
sealing kit	845/00SK	for Cleanflow bottom valve	270 276203
sealing kit	826/00SK	for Highlift bottom valve	270 276226
Fortyt main sealing	5005-104	for all bottom valves	270 276206
lever	324/8670	for Cleanflow bottom valve	270 276212
lever	330/5010	for Highlift bottom valve	270 276235
disc, without sealing	845/0040	for Cleanflow bottom valve	270 276214
disc, without sealing	324/2020	for Highlift bottom valve	270 276222

Rupture Discs

Rupture disc out of stainless steel, to be used on tanktrailers and tankcontainers.

Size	Response pressure (20°C)	Part no.
DN 65	3,67 bar	270 275100
DN 65	4,84 bar	270 276810
DN 80	3,67 bar	270 275108
DN 80	4,10 bar	270 275709
DN 80	4,84 bar	270 276813



Manlid Gaskets

Manlid gasket, to be used on tanktrailers and tankcontainers, closed type.

Type	Description	Material	Part no.
Fort Vale	291 mm inner diam., 15 mm round section	s	270 275833
Fort Vale	300 mm outer diam. 16 x 10 mm square section	NBR/SBR, white	270 275837
Fort Vale	300 mm outer diam. 16 x 10 mm square section	EPDM/PTFE	270 275838
Fort Vale	300 mm outer diam., 15 mm round section	Butyl rubber	270 275843
Fort Vale	491 mm inner diam. 14 x 14 mm square section	NBR/SBR, white	270 275831
Fort Vale	491 mm inner diam., 15 mm round section	silicone/FEP	270 275834
Fort Vale	491 mm inner diam., 16 x 10 mm square section	silicone/FEP	270 275835
Fort Vale	491 mm inner diam. 16 x 12 mm square section	NBR/SBR, white	270 275836
Fort Vale	491 mm inner diam. 16 x 10 mm square section	EPDM/PTFE	270 275839
Fort Vale	491 mm inner diam. 15 mm round section	Butyl rubber	270 275842

Advice:
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