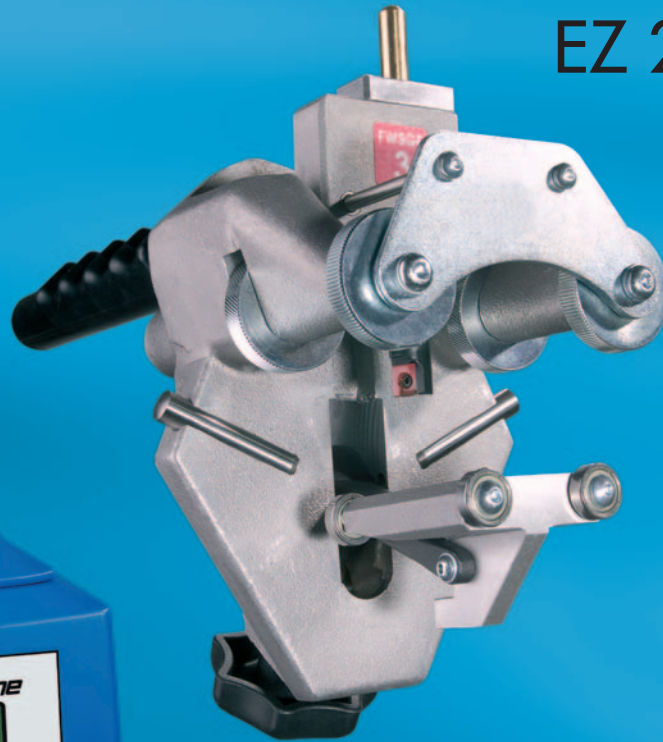


Product Range

EZ 22/06



FRIATOOLS®

Always the right decision:

FRIATOOLS® **Technical Equipment**

The correct equipment and tools for simple and safe installation of FRIALEN® safety fittings and FRIAFIT® sewage system.

valid from 1st July 2006



Things worth knowing about FRIATOOLS® Technical Equipment and this Product Range

Contents

To help you to find specific products easily we have included an alphabetical list arranged in product groups on page 3.

Returns

Goods returned for credit must comply with certain criteria under our Quality Management System. We shall be glad to inform you about this separately on request. If the goods meet the criteria and their return is approved by us in advance they will be credited less 20% inspection costs.

Quality/Certification

FRIALEN® safety fittings and FRIAFIT® sewage system are subject to ongoing quality control procedures using strict guidelines. These are part of our comprehensive quality management system **according to DIN EN ISO 9001 : 2000.**

FRIALEN® safety fittings, FRIAFIT® sewage system and our equipment technology are all compatible. Any changes and additions arising from technical progress are taken into account. Our ongoing quality control procedures comprise FRIALEN® safety fittings, FRIAFIT® sewage system, our equipment technology and the quality of the welded joint as a result of the components working together efficiently. Efficiency and operational safety of fusion units by outside manufacturers do not come under our specifications and checks. Please observe our installation instructions and individual operating instructions for each piece of the equipment during installation.

Update/Technical Progress

All specifications are valid as at time of going to print. We reserve the right to implement changes which serve technical progress. We do not accept liability for printing mistakes.

Contents

To help you find your way around we have added an index within each product group in alphabetical order. This should

facilitate your search for particular equipment or tools.

| | Article | Page | Brief Description |
|------|--|------|-------------------|
| | Universal Fusion Unit with traceability and reporting functions | | |
| | FRIAMAT® prime | 4 | FRIAMAT prime |
| NEW! | FRIAMAT® prime eco | 4 | FRIAMAT prime eco |
| | Universal Fusion Unit without traceability and reporting function | | |
| | FRIAMAT® basic | 5 | FRIAMAT basic |
| NEW! | FRIAMAT® basic eco | 5 | FRIAMAT basic eco |
| | Fusion Units - Accessories | | |
| | Adapter for flat contacts | 8 | ADFL |
| | Adapter for socket contacts 4.7 mm | 8 | ADBK |
| | Aluminium Transport Boxes | 9 | ALTK |
| NEW! | Combi-Package Data Processing | 7 | KOMB-DATA |
| | Connection plugs for socket contacts 4.0 mm | 8 | CONTACT 4 |
| | FRIATRACE Database Software | 7 | FRIATRACE |
| | Fusion Pass | 8 | SPASS |
| | Memory-Box | 6 | MEMBOX |
| | Memory-Card | 6 | MEMCARD |
| | Memory-Card Station | 6 | MC-STATION |
| NEW! | Memory-Stick | 6 | MEMSTICK |
| | Remote Start Pass | 8 | FPASS |
| | Supervisor-Pass | 7 | SUPER-P |
| | Scraper tools and scraper tool accessories | | |
| | Aluminium Transport Boxes | 12 | ALTK |
| | Oil based care spray | 12 | PFSP |
| | Replacement blade for scraper tools | 12 | FWSGE |
| | Saddle scraper tools for pipes d 50 – d 225 | 11 | FWSGS |
| | Scraper tool for pipes and outlets d 32 – d 63 | 11 | FWSGA |
| | Scraper tool for pipes d 20 – d 63 | 10 | FWSG 63 |
| | Scraper tool for pipes d 75 – d 225 | 10 | FWSG 225 |
| | Scraper tool for pipes d 250 – d 710 (FWSG 710 L) and spigot fittings (FWSG 710 S) | 10 | FWSG 710 |
| | Scraper tool set for pipes d 20 – d 225 | 10 | FWSG 63/225 |
| NEW! | Scraper tools for pipe ends and saddles d 40 – d 315 | 11 | FWSG SE |
| | Other tools and installation aids | | |
| | Activating key for pressure tapping valves | 14 | FWSS |
| | Activating key for pressure tapping valves with parallel dome | 14 | FWSR |
| | Clamping and Tapping Tool for FRIAFIT® sewage saddles (ASA-TL) | 13 | FWFIT |
| | Clamping Unit (Top Loading) | 13 | FRIATOP |
| | Hand Scraper | 13 | FWZ |
| | Hydraulic Rounding Clamps for pipes d 280 – d 710 | 14 | FWXRH |
| | Manual Rounding Clamps for pipes | 13 | FWXR |
| | Pipe Marker (silver) | 14 | FWPM |
| | Pressure test adapter | 14 | FWDPA |

1. Fusion Units with traceability and reporting functions

NEW!

**FRIAMAT
PRIME ECO**



Universal Fusion Unit with traceability and reporting functions

Weight 19 kgs

Grade 2

Processing of all dimensions from d 20 to d 710

Reporting and traceability function, 500 fusion processes can be stored, information input via barcode, GPS coordinates input, USB interfaces (A+B) for FRIATEC Memory-Stick data transfer (included), robust plastic shell, extra long fusion and mains cable, cable wind-up suitable for the construction site, large storage box for accessories, simple operation, use of weather resistant and wear resistant materials (plastic, aluminium, stainless steel), with reader wand to read barcodes, clearly laid out keyboard, selection of languages, adaptable buzzer volume, manual emergency input, ambient operating temperature range -20 °C to +50 °C, fusion cable with 4.0 mm connection plugs which can be easily replaced.

Comes in practical aluminium transport box.

| Order No. | Quantity |
|----------------|----------|
| 613 090 | |

**FRIAMAT
PRIME**



Universal Fusion Unit with traceability and reporting functions

Weight 11 kgs

Grade 2

Processing of all dimensions from d 20 to d 710

Reporting and traceability function, 500 fusion processes can be stored, information input via barcode, GPS coordinates input, USB interfaces (A+B) for FRIATEC Memory-Stick data transfer (included), robust plastic shell, extra long fusion and mains cable, cable wind-up suitable for the construction site, large storage box for accessories, simple operation, use of weather resistant and wear resistant materials (plastic, aluminium, stainless steel), with reader wand to read barcodes, clearly laid out keyboard, selection of languages, adaptable buzzer volume, manual emergency input, ambient operating temperature range -20 °C to +50 °C, fusion cable with 4.0 mm connection plugs which can be easily replaced.

As for FRIAMAT® prime eco, plus:

- slot for Memory-Card (PC card according to PCMCIA standard) allowing for storage of over 60,000 fusion processes
- Supervisor-Pass to set individual unit functions (e.g. blocking of functions, setting automatic processes, etc.)
- parallel interface for the connection of printers or Memory-Box (storage of 500 fusion processes)
- simple operation and information on graphic maxi display
- additional keys for comfortable operation

Comes in practical aluminium transport box.

| Order No. | Quantity |
|----------------|----------|
| 613 100 | |

2. Fusion Units without traceability or reporting functions

NEW!

**FRIAMAT
BASIC ECO**



Universal Fusion Unit without traceability and reporting function

Weight 19 kgs

Order No. Quantity

Grade 2

613 092

Processing of all dimensions from d 20 to d 710

Robust plastic shell, extra long fusion and mains cable, cable wind-up suitable for the construction site, large storage box for accessories, simple operation, use of weather resistant and wear resistant materials (plastic, aluminium, stainless steel), with reader wand to read barcodes, clearly laid out keyboard, language selection, adjustable buzzer volume, manual emergency input, ambient operating range -20 °C to +50 °C, fusion cable with 4.0 mm connection plugs which can be easily replaced.

Comes in practical aluminium transport box.

**FRIAMAT
BASIC**



Universal Fusion Unit without traceability and reporting function

Weight 11 kgs

Order No. Quantity

Grade 2

613 102

Processing of all dimensions from d 20 to d 710

Robust plastic shell, extra long fusion and mains cable, cable wind-up suitable for the construction site, large storage box for accessories, simple operation, use of weather resistant and wear resistant materials (plastic, aluminium, stainless steel), with reader wand to read barcodes, clearly laid out keyboard, language selection, adjustable buzzer volume, manual emergency input, ambient operating range -20 °C to +50 °C, fusion cable with 4.0 mm connection plugs which can be easily replaced.

Comes in practical aluminium transport box.

3. Fusion Units - Accessories

NEW!

MEMSTICK

Memory-Stick



Memory-Stick to store fusion data. Transfer of fusion data from FRIAMAT® to FRIATRACE.

| Order No. | Quantity | |
|--------------------|----------|-----|
| 624 023 | | |
| Series | Option | n/a |
| FRIAMAT® prime eco | • | |
| FRIAMAT® prime | • | |
| FRIAMAT® basic eco | | – |
| FRIAMAT® basic | | – |

MEMCARD

Memory-Card



PC card (to PCMICIA standard) for the storage of fusion data. Can be used either to store inside an individual unit or universally for several FRIAMAT® prime units. Transfer of fusion data via Memory-Card station to FRIATRACE. The Memory-Card is supplied designed for industrial use and is particularly suitable for the use on the construction site.

| Order No. | Quantity | |
|--------------------|----------|-----|
| 624 022 | | |
| Series | Option | n/a |
| FRIAMAT® prime eco | | – |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | | – |
| FRIAMAT® basic | | – |

MC-STATION

Memory-Card Station



For connection to a PC equipped with a USB interface. Reception of Memory-Card and transfer of fusion data to FRIATRACE.

| Order No. | Quantity | |
|--------------------|----------|-----|
| 624 021 | | |
| Series | Option | n/a |
| FRIAMAT® prime eco | | – |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | | – |
| FRIAMAT® basic | | – |

MEMBOX

Memory-Box



For output and transfer of fusion data from FRIAMAT® fusion units (only reporting units) via the parallel printer interface to a PC equipped with the FRIATRACE software.

- Consisting of:
- Memory-Box
 - Connection cable PC – Memory-Box

| Order No. | Quantity | |
|--------------------|----------|-----|
| 613 233 | | |
| Series | Option | n/a |
| FRIAMAT® prime eco | | – |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | | – |
| FRIAMAT® basic | | – |

FRIATRACE

FRIATRACE Database Software



Software for processing of fusion data from FRIAMAT® fusion units (only reporting units) in the PC, including further processing of traceability data. Suitable for operating systems Windows NT 4.0/2000 and Windows XP. With database function (all fusion data in one database) for individual evaluation, copying, sorting, searching, formating, editing etc. etc.

- Consisting of:
- CD-Rom
 - Connecting cable PC – fusion unit
 - Programme description

| Order No. | | Quantity |
|--------------------|--------|----------|
| 613 280 | | |
| Series | Option | n/a |
| FRIAMAT® prime eco | ◦ | |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | | - |
| FRIAMAT® basic | | - |

NEW!

KOMB-DATA

Combi-Package Data Processing



Package 1 (for FRIAMAT® prime and prime eco)

- Consisting of:
- Memory-Stick
 - CD-Rom (FRIATRACE software)
 - Programme description

| Order No. | | Quantity |
|----------------|--|----------|
| 624 026 | | |



Package 2 (for FRIAMAT® prime)

- Consisting of:
- Memory-Card Station
 - Memory-Card
 - CD-Rom (FRIATRACE software)
 - Connection cable PC – fusion unit
 - Connection cable PC – Memory-Card Station
 - Programme description

| Order No. | | Quantity |
|----------------|--|----------|
| 624 025 | | |

SUPER-P

Supervisor-Pass



For individual adjustment of menu functions of your unit (e.g. blocking of functions, indication of emergency processes, etc.)

| Order No. | | Quantity |
|--------------------|--------|----------|
| 623 101 | | |
| Series | Option | n/a |
| FRIAMAT® prime eco | | - |
| FRIAMAT® prime | • | |
| FRIAMAT® basic eco | | - |
| FRIAMAT® basic | | - |

SPASS

Fusion Pass



For identification of person carrying out fusion process and for the protection of fusion units with reporting function from unauthorised access. The data contained in the fusion pass (name or number of person carrying out fusion) is transferred to the fusion report.

To order please request sample form.

| Order No. | | Quantity |
|--------------------|--------|----------------|
| | | 623 100 |
| Series | Option | n/a |
| FRIAMAT® prime eco | ◦ | |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | | – |
| FRIAMAT® basic | | – |

FPASS

Remote Start Pass



Additional equipment for starting FRIAMAT® fusion units remotely from the trench via reader wand or hand scanner.

| Order No. | | Quantity |
|--------------------|--------|----------------|
| | | 624 003 |
| Series | Option | n/a |
| FRIAMAT® prime eco | ◦ | |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | ◦ | |
| FRIAMAT® basic | ◦ | |

CONTACT 4

Connection plugs for socket contacts 4.0 mm



Connection plugs for 4.0 mm socket contacts. Applicable for all FRIAMAT® fusion units.

| Order No. | | Quantity |
|--------------------|--------|----------------|
| | | 624 530 |
| Series | Option | n/a |
| FRIAMAT® prime eco | • | |
| FRIAMAT® prime | • | |
| FRIAMAT® basic eco | • | |
| FRIAMAT® basic | • | |

ADFL

Adapter for flat contacts



For sliding onto connection plugs of all FRIAMAT® fusion units.

| Order No. | | Quantity |
|--------------------|--------|----------------|
| | | 613 236 |
| Series | Option | n/a |
| FRIAMAT® prime eco | ◦ | |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | ◦ | |
| FRIAMAT® basic | ◦ | |

ADBK

Adapter for 4.7 mm socket contacts



For sliding onto connection socket of all FRIAMAT® fusion units.

| Order No. | | Quantity |
|--------------------|--------|----------------|
| | | 613 237 |
| Series | Option | n/a |
| FRIAMAT® prime eco | ◦ | |
| FRIAMAT® prime | ◦ | |
| FRIAMAT® basic eco | ◦ | |
| FRIAMAT® basic | ◦ | |

ALTK

Aluminium Transport Boxes



For transport and storage of FRIAMAT® fusion units.

| Article | Order No. | Quantity |
|----------------------|-------------------|----------|
| FRIAMAT® prime eco | 627 001 | |
| FRIAMAT® prime | 627 001 | |
| FRIAMAT® basic eco | 627 001 | |
| FRIAMAT® basic | 627 001 | |
| Older FRIAMAT®-Types | on request | |

4. Scraper tools and scraper tool accessories

FWSG 63

Scraper tool for pipes d 20 – d 63



For the safe removal of the oxidic layer on HD-PE and PE-X-pipes. Scraper blade made from hard metal (service life). Includes replacement blade.

Comes in practical aluminium transport box.

| Order No. | Quantity |
|-----------|----------|
| 613 305 | |

FWSG 225

Scraper tool for pipes d 75 – d 225



For the safe removal of the oxidic layer on HD-PE and PE-X-pipes. Scraper blade made from hard metal (service life). Includes replacement blade and oil care agent (spray).

Comes in practical aluminium transport box.

| Order No. | Quantity |
|-----------|----------|
| 613 311 | |

FWSG 63/225

Scraper tool set for pipes d 20 – d 225



For the safe removal of the oxidic layer on HD-PE and PE-X-pipes. Scraper blade made from hard metal (service life). Includes replacement blade and oil care agent (spray).

Comes in practical aluminium transport box.

| Order No. | Quantity |
|-----------|----------|
| 613 316 | |

FWSG 710

Scraper tool for pipes d 250 – d 710 (FWSG 710 L) and spigot fittings (FWSG 710 S)



(pict. shows FWSG 710 L)

FWSG 710 L

For the safe removal of oxidic layer on HD-PE and PE-X-pipes along the entire coupler length. Scraper blade made from hard metal (service life). Includes replacement blade and oil care agent (spray).

| Order No. | Quantity |
|-----------|----------|
| 613 642 | |

FWSG 710 S

For the safe removal of oxidic layer on spigot fittings. In addition it is possible to scrape HD-PE and PE-X-pipes (up to a maximum half of coupler length d 710). Scraper blade made from hard metal (service life). Includes replacement blade and oil care agent (spray).

| Order No. | Quantity |
|-----------|----------|
| 613 639 | |

Both come in practical aluminium transport boxes.

NEW!

FWSG SE

Scraper tools for pipe ends and saddles d 40 – d 315



Scraper tool subject to dimension for pipe ends and saddle areas.

- Scraper blade designed as reversible blade (double service life)
- Simple clamping due to open construction
- Three handles for simple and energy saving rotating on pipe
- For PE 80, PE 100 and PE-Xa-pipes
- Spring loaded and swivelling blade holder to compensate pipe irregularities and deformations
- Robust compact design
- Simple handling

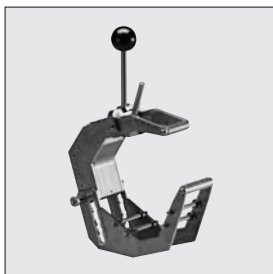
Comes in practical aluminium transport box.

Order numbers, prices and availability of dimensions d 40, d 50, d 140, d 200, d 250, d 280 and d 315 on request.

| Article | Dimension | Order No. | Quantity |
|-------------|-----------|-----------|----------|
| FWSG SE 63 | d 63 | 613 562 | |
| FWSG SE 75 | d 75 | 613 563 | |
| FWSG SE 90 | d 90 | 613 564 | |
| FWSG SE 110 | d 110 | 613 565 | |
| FWSG SE 125 | d 125 | 613 566 | |
| FWSG SE 160 | d 160 | 613 568 | |
| FWSG SE 180 | d 180 | 613 569 | |
| FWSG SE 225 | d 225 | 613 571 | |

FWSGS

Saddle scraper tools for pipes d 50 – d 225



For safe removal of oxidic layer in saddle area of HD-PE and PE-X-pipes. Scraping all around not necessary. Extra wide scraper blade made from hard metal. Dimension setting with fast locking device. Blade holder swivels to compensate pipe irregularities. Includes replacement blade and oil care agent (spray).

Comes in practical aluminium transport box.

| Article | Dimension | Order No. | Quantity |
|-----------|-----------|-----------|----------|
| FWSGS 110 | d 50-110 | 613 631 | |
| FWSGS 180 | d 110-180 | 613 632 | |
| FWSGS 225 | d 180-225 | 613 633 | |

FWSGA

Scraper tool for pipes and outlets d 32 – d 63



For safe removal of oxidic layer on HD-PE and PE-X-pipes and DAA, DAV, SA, T pieces TA outlets, etc. (refer to FRIALEN® product range). Guidance/rotation on adjustable extending bars (d32, d40, d50, d63). Hard metal scraper blade. Dimension setting with fast locking device. Spring blade holder to compensate pipe irregularities. Includes replacement blade and oil care agent (spray).

Comes in practical aluminium transport box.

| Order No. | Quantity |
|-----------|----------|
| 613 538 | |

FWSGE

Replacement blade for scraper tools

Replacement scraper blades for hard metal scraper tools (long storage and service life).



(pict. shows FWSGE 3)

| Article | Unit type | Marking | Order No. | Quantity |
|----------|---------------------------------|-----------------|----------------|----------|
| FWSGE 3* | for FWSG 225 / FWSG 315 / FWSGA | coloured red, | 613 322 | |
| FWSGE 4* | for FWSG 63 | coloured green, | 613 323 | |
| FWSGE 5* | for FWSG 710 S / FWSG 710 L | coloured blue | 613 324 | |

*: consisting of 3 pieces replacement blades, 1 piece torque screw and 1 piece torque key.



(pict. shows FWSGE 6)

| Article | Unit type | Order No. | Quantity |
|-----------|---------------------------|----------------|----------|
| FWSGE 6** | for FWSGS 110 / FWSGS 180 | 613 325 | |
| FWSGE 7** | for FWSGS 225 | 613 326 | |

** : consisting of 1 piece replacement blades, 2 pieces torque screw and 1 piece torque key.



Replacement scraper blade: designed as reversible blade (double service life)

| Article | Unit type | Order No. | Quantity |
|------------|--------------------------|----------------|----------|
| FWSGE 8*** | for FWSG SE (alle Typen) | 613 327 | |

***: consisting of 1 piece replacement blades, 1 piece inbus screw and 1 piece inbus key.

PFSP

Oil based care spray



For cleaning and caring for scraper tools.
Content: 100 ml. Please observe appropriate safety and application instructions on the agent container and on operating instructions included with scraper tools.

| Order No. | Quantity |
|----------------|----------|
| 613 301 | |

ALTK

Aluminium Transport Boxes



For the transport and storage of scraper tools.

| Article | Order No. | Quantity |
|-------------|-------------------|----------|
| FWSG 63 | 613 307 | |
| FWSG 225 | 613 309 | |
| FWSG 63/225 | 613 309 | |
| FWSG 710 S | 613 308 | |
| FWSG 710 L | 613 314 | |
| FWSGS 110 | 613 306 | |
| FWSGS 180 | 613 312 | |
| FWSGS 225 | 613 313 | |
| FWSGA | 613 317 | |
| FWSG SE | on request | |

5. Other tools and installation aids

FWZ

Hand Scraper



To remove oxidic layer on HD-PE pipes or moulded parts which you are unable to treat using appropriate scraper tools. Also suitable to deburr edges of cut.

| Article | Order No. | Quantity |
|--------------------|----------------|----------|
| Hand Scraper | 613 300 | |
| Replacement blades | 613 270 | |

Replacement blades: 5 pieces per package.

FRIATOP

Clamping Unit (Top Loading)



For the assembly of FRIALEN® top loading saddle parts without lower clamp (refer to FRIALEN® product range) for all pipe diameters in the appropriate range of dimensions with extra elastic pneumatic spring system and for the optimum build-up of jointing pressure during fusion process.

| Order No. | Quantity |
|----------------|----------|
| 613 350 | |

FWFIT

Clamping and drilling unit for FRIAFIT® ASA-TL sewage saddles



Combined clamping and drilling unit, universally designed for all FRIAFIT® ASA-TL sewage saddles (see also FRIAFIT® product range). For clamping and creation of required jointing pressure for fusion. For pressure free tapping through outlet socket on completion of prescribed cooling time.

| Order No. | Quantity |
|----------------|----------|
| 613 480 | |

FWXR

Manual Rounding Clamps for pipes



For retrospective rounding of HD-PE and PE-X-pipes. Covering several dimensions due to the use of reducer spherical shells.

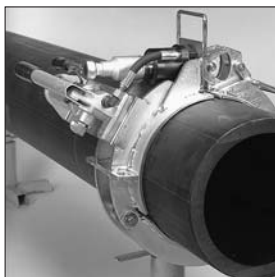
| Article | Basic size | Reducer spherical shells •• | Order No. | Quantity |
|---------|------------|-----------------------------|----------------|----------|
| FWXR-S1 | d 63 | for d 32, 40 and 50 | 613 416 | |
| FWXR-S2 | d 110 | for d 90 | 613 431 | |
| FWXR-S3 | d 160 | for d 125 | 613 439 | |

Other dimensions on request.

(pict. shows FWXR-S1)

FWXRH

Hydraulic Rounding Clamps for pipes d 280 - d 710



For the retrospective rounding of HD-PE and PE-X-pipes. These hydraulic rounding clamps are also available for hire.

| Dimension | Order No. |
|-----------|----------------|
| d 280 | 613 452 |
| d 315 | 613 461 |
| d 355 | 613 462 |
| d 400 | 613 463 |
| d 450 | 613 464 |
| d 500 | 613 465 |
| d 560 | 613 467 |
| d 630 | 613 466 |
| d 710 | 613 468 |

FWSS

Activating key for pressure tapping valves



For drill activation subject to diameter (d_1) of the DAA, DAA-TL and DAA-TL/RE (refer to FRIALEN® pricelist. SW 17 also suitable for drill activation of all SAB (refer to FRIALEN® product range).

| d_1 | SW | Order No. | Quantity |
|--------|----|----------------|----------|
| 40 | 10 | 613 242 | |
| 50-75 | 17 | 613 248 | |
| 90-315 | 19 | 613 250 | |

FWSR

Activating key for pressure tapping valves with parallel dome



For drill activation of DAP (refer to FRIALEN® product range), consisting of ratchet and box spanner attachment.

| Article | Order No. | Quantity |
|--------------|----------------|----------|
| 1/2" Ratchet | 613 610 | |
| Socket SW 19 | 613 605 | |
| Socket SW 17 | 613 606 | |

FWDPA

Pressure test adapter



For the connection of a pressure gauge for pressure check on use of FRIALEN® DAA, DAP, DAA-TL, DAA-LT/RE $d_1 = 61-315$ (refer to FRIALEN® product range). Connection measurements internal thread = R 1/4".

| Order No. | Quantity |
|----------------|----------|
| 613 595 | |

FWPM

Pipe Marker (silver)



For the marking of HD-PE and PE-X-pipes. Colour silver. silver. 10 pieces per package.

| Order No. | Quantity |
|----------------|----------|
| 613 069 | |

FRIATEC AG Terms and Conditions

Technical Plastics Division

1. Scope

Terms and conditions as listed below apply to all deliveries. Other conditions do not automatically become contractual, even if not expressly contradicted by us.

2. Conclusion of a Contract

Our quotations are not binding. A contract is made only when we confirm an order in writing. Our written order confirmation controls content and size of the order.

Alterations to the technical execution of ordered goods are acceptable unless they constitute essential functional changes or the customer proves that the alterations are unacceptable.

We will accept liability for the quality of an item only if this has been expressly stated in our order confirmation or in our advertisements.

3. Delivery

Delivery dates and deadlines are subject to ourselves being supplied appropriately and in good time.

Delivery deadlines are determined by the date of our order confirmation. They are regarded as fulfilled once the goods have left the factory or been released for shipment.

The deadline is extended if the customer desires changes retrospectively or if events occur for which we are not responsible.

4. Prices and Payment Conditions

Our prices are ex factory or ex warehouse, plus VAT. Insurance, packaging, shipment and custom clearance charges are invoiced separately, unless expressly stated otherwise in our current price list.

Our invoices are payable net within 30 days from the invoice date. We offer 2% discount for payments within 14 days, but only if all other outstanding invoices have been paid.

We reserve the right to accept bills of exchange and cheques in individual cases. No discount is offered when paying by bill of exchange. Bills of exchange and cheques are accepted only on account of performance. The claim is regarded as fulfilled only once payment has been cashed or credited. All expenses which may arise must be met by the customer.

We are authorised to demand immediate cash payment for all deliveries, if payment conditions are not adhered to, or in circumstances causing the credit worthiness of a customer to be questioned. A possible deferral caused by the acceptance of bills of exchange becomes null and void. The customer is obliged to pay cash immediately on returning the bill of exchange. In addition we are authorised to carry out any remaining deliveries against advance or warranty payment or to rescind the contract and demand compensation. We are furthermore authorised to stop the onward sale of goods to be delivered and to retrieve the goods at the customer's expense if we have rescinded the contract.

5. Passage of Risk

The risk is transferred to the customer at the moment of the goods being ready for shipment and the notification thereof. This applies even if shipment is delayed due to circumstances not in our control. If there is no notification of readiness for shipment, the risk is passed to the transport company, and on to the customer no later than at the point of the goods leaving the factory or warehouse. This applies also if our own transport is used or carriage is paid.

6. Formal Complaints, Claims, Limitation Period

The customer must immediately check goods received for any defects. Formal complaints must be lodged immediately on receipt of the goods, and no later than a fortnight after receipt, in writing. The same timeframe applies to hidden defects after discovery. There can be no claims for defects which have not been notified within the appropriate period.

When a claim is justified, we will choose either to repair or replace the goods. If we do not rectify the defect or provide a substitute within an appropriate period, or following no more than two attempts, the customer is authorised to rescind the contract or demand a reduction in the purchasing price.

It is not possible to rescind if there is only an insignificant violation on our part.

The limitation period for claims is

5 years for building materials which have been installed and have caused defects within a pipe system.

1 year for delivery of other new goods to contractor

2 years for all others

Limitation period starts on delivery of goods.

7. Reservation of Ownership

Our deliveries are all subject to reservation of ownership. The goods remain in our ownership until payment of all claims arising from our business relationship with the customer is made. With an account current the reserved ownership constitutes the security for our balance claim.

The customer is authorised to resell delivered goods within the framework of his or her ordinary business procedures. He or she may not however pledge or transfer the conditional commodity by way of security.

In the event of resale the customer assigns to us all claims including all subsidiary rights which arise from the resale. This applies without taking into consideration whether he or she resells the conditional commodity unaltered, unprocessed, or in conjunction with other items. If the resale takes place including goods not owned by us, the assigning applies only up to the value of the conditional commodity. The value is determined according to our sales prices.

Processing of the conditional commodity always occurs according to § 950 BGB for us as manufacturers, but without obligation. The processed goods constitute the conditional commodity as part of these conditions. If the conditional commodity is processed together or is irretrievably mixed up with other items not owned by us, we will gain co-ownership of the new item at a ratio of conditional commodity invoice value to the invoice value of other used goods at the time of processing and mixing. The co-ownership rights thus created apply as conditional commodity in the context of these conditions. The customer is obliged, if requested by us, to point out our ownership rights to the prospective buyer.

The customer is authorised to collect the claim from the resale notwithstanding our own collection authorisation. While the customer meets his payment obligations appropriately, we will not put the claim into force. The customer has to inform us of the debtors of the assigned claims and to notify the assignment to them. Our right of informing third-party debtors of the assignment will not be affected by this.

The customer is not allowed to assign the claim against third-party debtors to third parties or to negotiate an assignment ban with the third-party debtor.

The customer is obliged to notify us immediately and in the quickest way possible about a pledge or any other infringement of our security rights by third parties. The customer is obliged to hand over to us all documents required to preserve our rights, and to compensate us for any costs arising from a possible intervention.

We pledge to release existing securities of our choice up to the point where their value exceeds the claims to be secured by more than 25%.

The customer is obliged to insure the goods for the duration of our reservation of ownership.

8. Acts of God – Right to Rescind

If we are prevented from fulfilling our terms of delivery by acts of God or other circumstances not within our control, or if the fulfilment of our obligations becomes too great a burden for these reasons, we are authorised to rescind the contract. Compensation claims by the customer in such circumstances are not permitted. The right to rescind is effective also if the delivery period was initially extended.

9. Limitations of Liability

We are liable for any violations of life, body or health for which we are accountable in accordance with legal requirements.

For other damages the following applies:

We are liable for damages based on gross negligence by us or deliberate or gross negligence by our legal representatives or assistants in accordance with legal requirements.

For damages based on the violation of essential contractual obligations based on negligence by us, our legal representatives or assistants, our liability is limited to the predictable contractual damage up to a maximum of the value of the delivered item.

Claims for other damage on violating subsidiary obligations or inessential obligations based on negligence are excluded.

Claims for damages for delay caused by negligence are excluded. The customer's legal rights on completion of an appropriate period of time remain unaffected.

Liability exclusions or limitations do not apply if a defect has been deliberately concealed by us or if we have offered warranty on the quality of the item.

A customer's claim for compensation of time or costs invested in vain instead of compensation in place of time or costs, and the liability according to the product liability law remain unaffected.

10. Non-assignment clause

Unless something different has been expressly agreed with the customer, the customer is not authorised to transfer rights from the contract to third parties without our agreement.

11. Applicable rights, Place of Jurisdiction

Only German law applies under the exclusion of UN purchasing rights.

Exclusive place of jurisdiction for disagreements between contract parties is Mannheim, if the customer is a merchant, a legal person of public law or a special asset, or if the customer does not have a place of jurisdiction in Germany. We do however reserve the right to proceed against a customer who does not have a general place of jurisdiction in Germany within other courts of our choice.

January 2002

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