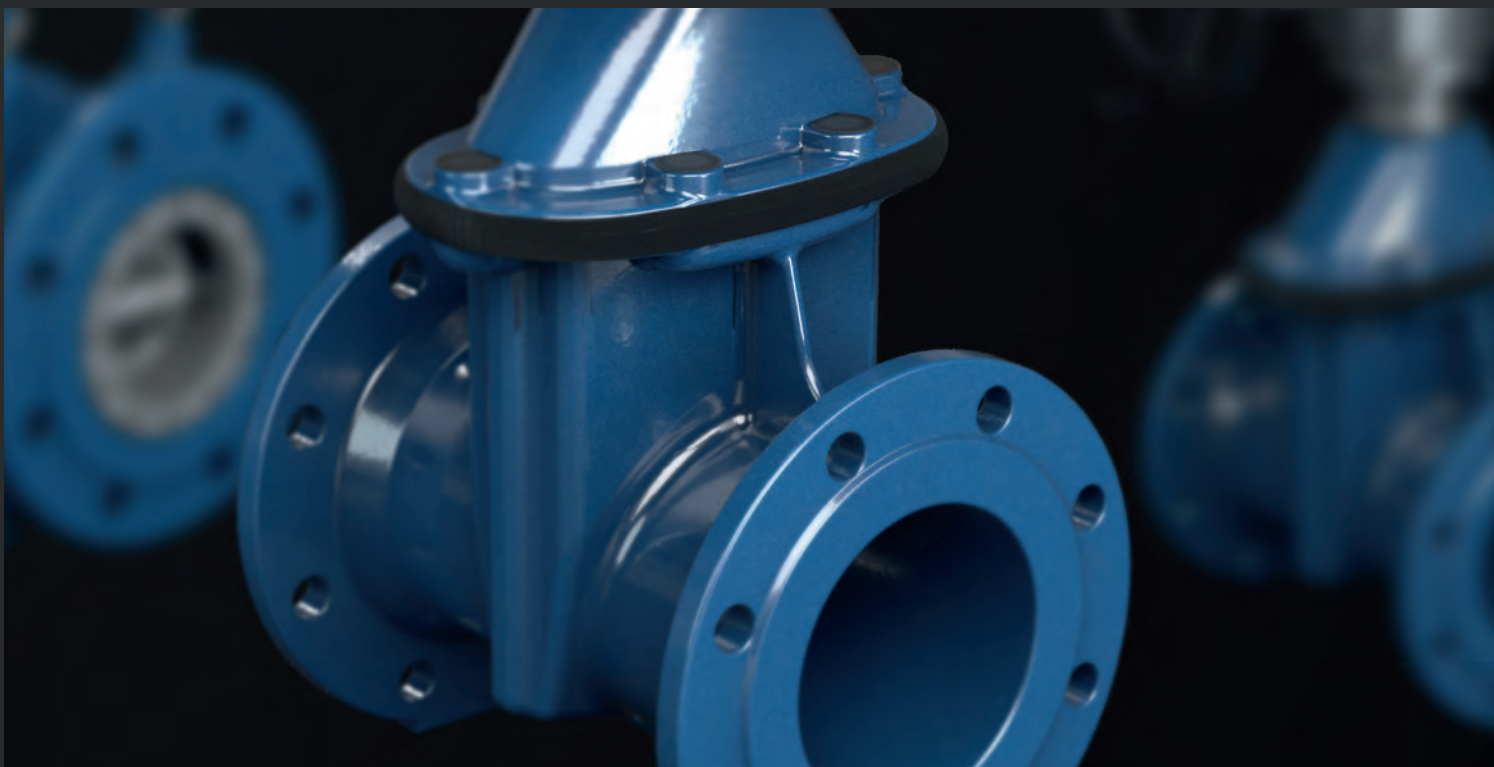


FLOW CONTROL

PRICE LIST

2022



- + Gate Valves
- + Service Connection Valves
- + Hydrants
- + Butterfly Valves
- + Back Flow Preventers
- + Ventilation Valves
- + Control Valves
- + Novo Plug-in System

- + Accessories
- + Pressure Pipe Fittings
- + Flanged Pipes
- + Thrust-Resistant Joints
- + Pressure Pipe Fittings for Plastic Pipelines
- + Pipe Fittings for Sewage Pipelines
- + Socket Connections

Made
in
Germany

ATTENTION

Please consider the valid price supplements:

Products	Product group	From 04.04.22
Valves, Novo system, accessories	1 through 9	9.9%
Fittings, flanged pipes, joints	10 through 13	12.9%

The price supplement will be calculated into the invoice discounts

EXCELLENT.
WATER.
SOLUTIONS.

Notes

With this price-list all previous price-lists are superseded.

Our delivery programme of fittings, flanged pipes and valves DN 40 up to 1600 is contained in our catalogue "Fittings, flanged pipes and valves made of ductile cast iron" with the corresponding specifications. Please also observe our laying and operating instructions on the internet.

Pricing

The listed prices are valid in Euro plus VAT where applicable (recommended retail price)

Delivery is ex works, excluding packing.

For orders below € 250 we will invoice a surcharge of € 75 for small quantities.

This price-list contains only a part of our range of products. For fittings and valves not contained herein we would ask you to send us inquiries.

Custom-made items are generally excluded from cancellation and return of goods.

For the rest, the General Terms and Conditions are applied.

Return Conditions

Return of goods against credit note is only possible with the supplier's prior consent. On principle no credit note will be issued for returned goods of a value below € 250. Furthermore no credit note will be issued for valves and fittings which are no longer contained in the delivery programme, for accessories, valves or fittings made to order as well as for goods returned more than 12 months after the original delivery.

In case of free-of-cost return of stockable, faultless valves or fittings we will issue a credit note for a maximum of 60% of the invoice value. We reserve the right to deduct from the reimbursable net invoice price or to invoice all costs incurred by the supplier due to the return of goods, in particular delivery and return freight costs and repair costs.

For any third-party products that are delivered to us we will invoice € 25 per item for examination costs.

Custom-made products are excluded from cancellation and return.

General Terms and Conditions of Delivery and Payment

Our General Terms and Conditions of Delivery and Payment can be found on pages 142 - 143 of this price-list and at www.dueker.de/AGB.

WHY TO CHOOSE DÜKER.

OUTSTANDING SOLUTIONS FOR A SUSTAINABLE WATER SUPPLY.

The most important application area for our Düker valves and fittings is the supply of drinking water. In addition, our products made from ductile cast iron are used wherever there is water management of industrial sewage pipelines, culvert pipelines, bridge pipelines, and transport and distribution pipelines for irrigation systems. Wherever you use our valves and fittings, we can provide you with sustainable solutions that are robust and remain fully operational for years and years. Perfectly enamelled with etec enamel. Made for a small eternity. Made in Germany. Made by Düker.

DÜKER VALVES.

EVERYTHING'S UNDER CONTROL.

Turning on, turning off, opening, sealing – valves are required wherever a targeted, controlled supply of water or gas is needed. Whatever the quantity, what matters is precision and durability. That's why corrosion protection is crucial to every pipeline system – and the valves. Düker valves deliver this, which is what makes them so reliable, cost-effective and safe.

DÜKER FITTINGS.

IN ALL LENGTHS AND DIAMETERS.

Flanged fittings, socket fittings with or without reduction, special fittings, fittings for plastic pipelines, or sewage pipe fittings – they're all available from Düker. We cover the whole range, because you might just need it. You can get the right fittings from us.

DÜKER DUCTILE CAST IRON.

SUSTAINABLE RECYCLING.

Can cast iron really be sustainable? Well, if cast iron isn't sustainable, what is? Düker cast iron certainly is. And the raw materials prove it. Almost all of the iron in our valves and fittings comes from scrap. It is used metal that has already done its job, and is reborn at Düker to lead a new, extensive product life – and there are no barriers to further reprocessing. That is our understanding of recycling, and the term is particularly apt here. It's worth pointing out that all incoming scrap metal undergoes rigorous quality testing – for instance with a Geiger counter, to ensure that no radioactive material is used. This is hugely important to the health of all our employees – and that of all end users who get their water through Düker valves and fittings.

DÜKER ENAMEL.

TOTALLY NON-STICK.

Sustainable recycling is one thing. A hygienically pure coating for valves and fittings that is made from entirely inorganic materials is another. At Düker, this coating consists of enamel, a special glass made from quartz, feldspar, borax, soda, potash and metal oxides. Nature provides a plentiful and lasting supply of all these ingredients. Extraction is mainly carried out in Germany. Another benefit to the environment and climate. The special thing about enamelling is that it works like the lotus effect – nothing sticks to it. Microorganisms and incrustations don't stand a chance. At the same time, no aromas or contents pass from the flavourless, odourless coating into the drinking water. Consequently, as an inside coating, it protects the drinking water against pollution, and as an external coating, it protects the ductile cast iron against corrosion. Cast iron and glass are chemically bonded to form a composite material. Nothing gets past it. Nothing gets through it. Nothing sticks to it. A clean solution for crystal-clear drinking water.

DÜKER FLOW CONTROL.

PLANTS. VALUES. RECYCLABLE MATERIALS.

Cast and enamelled at our Düker plant in Laufach, assembled at our plant in Karlstadt – Düker valves and fittings are produced in an entirely modern, environmentally sound and sustainable way, in line with the highest standards – and wherever they are used, they are long-lasting. After all, cast iron lasts much longer than other materials – and even then, there are no barriers to reprocessing. Not here. Not at Düker.



Take a look for yourself. On a plant tour or by watching this film on valve production in Laufach and Karlstadt.

SHORT DISTANCES IN DISPATCH.

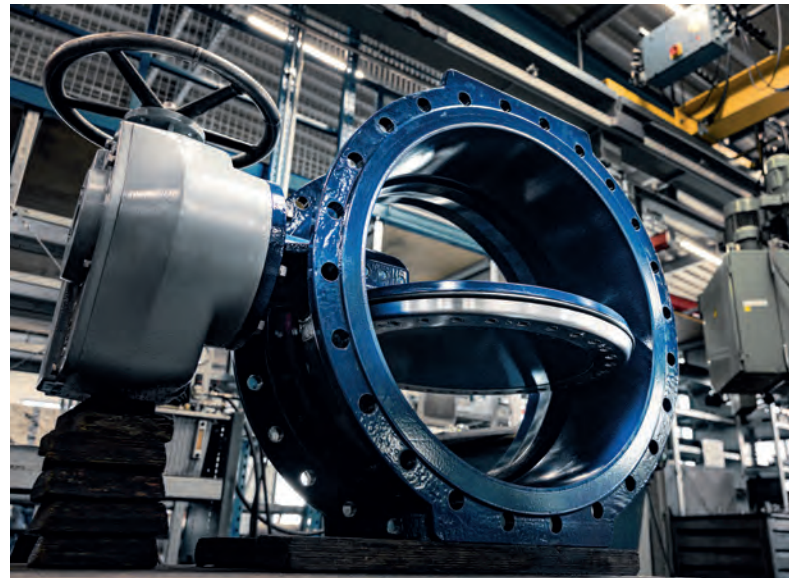
Short distances from Production to Warehousing and then to Dispatch: that’s the basis for providing the right quantity of requested products on time. If the goods movements, stock levels, open orders etc. are joined up with the average sales volumes of the past few weeks, the right signals can be sent to Production in order to maintain supply capability. Short distances across the entire production chain through to Dispatch make this possible. In tandem with a reliable forwarding agent with a sufficient number of branches in Germany and Europe, all manner of customer requirements such as fixed delivery dates or advance notification of delivery via Cargoclix or by telephone can be met.

SHORT DISTANCES FOR MAINTENANCE AND REPAIRS AND AFTER REMOVAL.

As with all mechanical structures, valves also need repairs so that they keep working properly and extend their service life. Availability of spare parts and short distances to the manufacturer make repairs easier and also increase the service life.

For instance, the innovative design of plunger valves means that the spheroidal cast-iron body, the stainless-

steel control cylinder, slider crank mechanism gear and screws, and the brass liners can be fully separated out at the end of their service life. That is recycling in action, enabled by short distances.



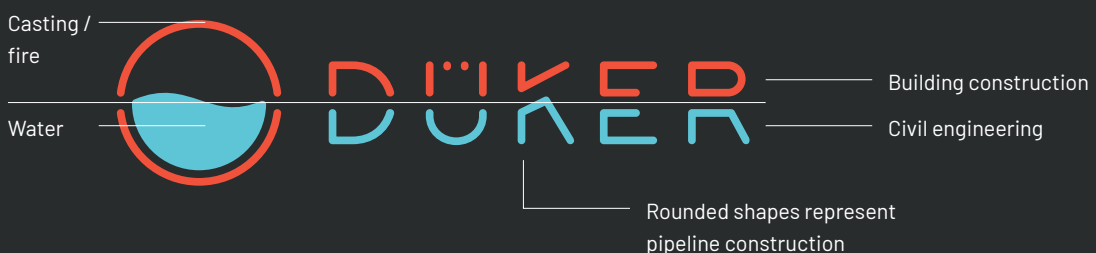
OUR NEW LOGO

As you’ve probably noticed, Düker now has a new look. We updated our logo in 2021, and would like to introduce you to it here.

The new logo reflects our divisions, with a new set of images from our daily activities – in the plant, in Sales and Service. The new brand identity is based on our positioning as a reference provider of premium solutions in water supply and disposal.

Premium solutions – as before, these are our technologically outstanding, high-quality valves and fittings. This also includes our coating expertise, set out in further detail in the previous article.


















Our new logo symbolises this. It’s a round object – filled with water and open to connections half-way up at the side. The colours and shapes portray Düker as refreshingly modern, and also clearly radiate trust and reliability. After all, in everything we do, we focus on our long-term goal: high-quality, long-lasting water-related solutions for our customers.



GATE VALVES	1
SERVICE CONNECTION VALVES	2
HYDRANTS	4
BUTTERFLY VALVES	5
BACK FLOW PREVENTERS / VENTILATION VALVES	6
CONTROL VALVES	7
NOVO PLUG-IN SYSTEM	8
ACCESSORIES	9
PRESSURE PIPE FITTINGS	10
PRESSURE PIPE FITTINGS FOR PLASTIC PIPELINES	11
PIPE FITTINGS FOR SEWAGE PIPELINES	12
SOCKET CONNECTIONS	13

CONTENTS

1. RESILIENT-SEATED GATE VALVES

1.1	Type 4004 with flanges etec enamel		16
1.1	Type 2004 with flanges etec enamel		17
1.2	Type 4004 with flanges epoxy		18
1.2	Type 2004 with flanges epoxy		19
1.2	Gate valves in large diameters with flanges epoxy		20
1.3	Type 4004 with PE studs for welding etec enamel		21
1.4	Type 4004 repair valve etec enamel		22
1.4	Type 2004 repair valve etec enamel		23
1.5	Type 4004 with flanges epoxy yellow		24
1.5	Type 2004 with flanges epoxy yellow		25
1.6	Type 4004 with PE studs for welding epoxy yellow		26
1.7	Type 3004 with studs for welding		27
1.8	Type 3004 with steel studs for welding blow-off version		28
1.8	Type 3004 with PE studs for welding blow-off version		29
1.9	Type 4004 with flanges etec enamel sewage		30
1.9	Type 2004 with flanges etec enamel sewage		31
1.9	Type 4004 with flanges epoxy sewage		32
1.9	Type 2004 with flanges epoxy sewage		33

2. SERVICE CONNECTION VALVES

2.1 TOP-Fix type 1014 with internal thread

2.1 TOP-Drehfix type 1014 PE

2.1 Clapping band for TOP type 1014

2.2 Tapping valve TOP and TOPsi type 1004

2.2 Tapping clamp

2.2 Clapping band for TOP and TOPsi

2.3 Type 1004 with internal thread etec enamel

2.3 Type 1004 with internal thread epoxy yellow

2.3 Type 1004 with PE studs for welding etec enamel

2.3 Type 1004 with PE studs for welding epoxy yellow



4. HYDRANTS

4.1 Underground hydrant type 304

4.1 Underground hydrant type 305

4.2 Manhole hydrant type 306

4.3 Pillar hydrant type 494





4.3 Pillar hydrant type 495

4.4 Hydrant accessories

4.5 Hydrant spare parts



5. BUTTERFLY VALVES

5.1	Type 4510 with flanges		52
5.1	Type 451 with flanges		53
5.1	Type 4510 with flanges long face-to-face length with/without bypass		54
5.2	Ring butterfly valve type 487		56 – 57









6. BACK FLOW PREVENTERS / VENTILATION VALVES
































6.1	Non-slam check valve type 8015		58 – 59
6.2	Non-return valve type 435		60
6.3	Air Valves		61

7. CONTROL VALVES












	General information		62
7.1	Plunger valves type RKV 7015		63

8. NOVO PLUG-IN SYSTEM

8.1	Gate valve type 4004 Novo etec enamel		65
8.1	Gate valve type 4004 Novo/spigot end etec enamel		66
8.1	Underground hydrant type 304 S		67
8.1	Butterfly valve type 4510 Novo		68
8.2	Pipe section with Novo socket M		69
8.2	Double socket duckfoot bend with Novo socket MMN/MMNR		70
8.2	Single socket tee with spigot and socket branch B		71
8.2	Spigot tee with Novo socket MI		72









8.2	All spigot tee IT			73
8.2	Spigot pipe section S			74
8.2	Novo collar U			75
8.2	Flanged socket duckfoot bend EN			76
8.2	Flanged socket EU			76
8.2	Single socket bend 11° - 45° MK			76 - 77
8.2	Double socket tee with flanged branch MMA			77 - 78
8.2	All socket tee MMB			79
8.2	Double socket bend 11° - 45° MMK			80 - 81
8.2	Double socket bend 90° MMQ			81
8.2	Double socket taper MMR			81 - 82
8.2	Single socket bend 90° MQ			82
8.3	NOVO-SIT® thrust-resistant joint			83
8.3	NOVO-Grip® III thrust-resistant joint			84
8.3	NOVO-Grip® PVC thrust-resistant joint			84
8.4	NOVO-Grip® stabilising bush			84
8.4	PE adapter for Novo sockets			85
8.4	Laying tool			86
8.4	Dismantling equipment			87













































9. ACCESSORIES

9.1	Flap valve		88
9.1	Hand wheel		89
9.1	Operating key		90
9.2	Telescope stem extension set for butterfly valves		91
	Definition pipe covering for butterfly valves		92
9.2	Quick telescope extension set		93
9.2	GW 336-1 telescope extension set		94
9.2	Adapter and coupling set		94
9.2	Stem extension sets for gate valves from DN 350		95
	Definition pipe covering GW 336-1		96
9.3	Dismantling joints		97

10. PRESSURE PIPE FITTINGS

- 10.1 Pressure Pipe Fittings epoxy-coated
- 10.11 Pressure Pipe Fittings epoxy-coated from DN 400
- 10.3 Pressure Pipe Fittings etec enamel
- 10.13 Pressure Pipe Fittings etec enamel from DN 400

Single socket tee with spigot and flanged branch A			98
Single socket tee with spigot and socket branch B			98
Flanged socket E			98
Flanged socket duckfoot bend EN			98

Flanged socket bend 90° EQ			99
Flanged socket EU			99 - 100
Flanged spigot F			100
Double flanged pipes FF			101 - 107
Flanged bend 11°- 45° FFK			108 - 109
Double flanged taper concentric FFR			110 - 111
Double flanged taper excentric FFRe			111
Single socket bend 11°- 45° MK			112 - 114
Double socket tee with flanged branch MMA			114 - 117
All socket tee MMB			117 - 119
Double socket bend 11°- 45° MMK			119 - 121
Double socket bend 90° MMQ			122
Double socket taper MMR			122 - 123
Single socket bend 90° MQ			123
Flanged duckfoot bend N			124
Plug P			124
Screw plug with threaded hole PX			124
Double flanged bend 90° Q			125
All flanged tee T			125 - 128
All flanged cross tee TT			128
Collar U			129
Blank flange X			129

Blank flange with threaded hole **XG**



130 - 131

Transition flange



131

Flanged bellmouth



131

11. PRESSURE PIPE FITTINGS FOR PLASTIC PIPELINES

11.1 Pressure Pipe Fittings for Plastic Pipelines epoxy-coated

11.3 Pressure Pipe Fittings for Plastic Pipelines etec enamel

Flanged socket **E-KS**



132

Flanged socket duckfoot bend **EN-KS**



132

Flanged spigot **F-KS**



132

Double socket tee with flanged branch **MMA-KS**



132 - 133

All socket tee **MMB-KS**



133 - 134

Double socket with internal threaded branch **MMI-KS**



134

Double socket taper **MMR-KS**



134

12. PIPE FITTINGS FOR SEWAGE PIPELINES

12.1 Drilling saddle piece with socket **SM 90**



136

12.1 Drilling saddle piece with socket **SM 45**



136

12.1 Drilling saddle piece with spigot end **SI 90 (GGG spigot end)**



136

12.1 Drilling saddle piece with spigot end **SI 90 (clay pipe spigot end)**



136

12.1 Drilling saddle piece with spigot end **SI 45**

















136








12.1 TYTON® coupling **MM**



137

12.1	Spigot end branch 67°	ICI			137
12.1	Double socket piece with spigot branch	MMI 67			137
12.1	Double socket piece with spigot branch	MMI 45			137
12.1	Double socket piece with socket branch	MMM			137
12.1	Pipe sealing cap	RVD			138
12.1	Manhole connection piece	SA			138
12.1	Hatchbox				138
12.1	Double socket piece with 45° socket branch	MMC			138

13. SOCKET CONNECTIONS

13.1	SMU thrust-resistant joint				140
13.1	Spezial thrust-resistant joint				140
13.2	Sealing ring screw-gland socket joint EPDM/NBR				140
13.2	Gliding ring standard for screw-gland socket joint				140
13.2	Screw ring				141
13.2	TYTON SIT PLUS® thrust-resistant joint				141
13.2	TYTON® sealing ring EPDM/NBR				141

GENERAL TERMS AND CONDITIONS OF DELIVERY AND PAYMENT **142 - 143**

CONTACTS **144 - 145**

STANDARDS, COMPLIANCE MARKS AND FURTHER INFORMATION **146**

Düker Gate Valve Type 4004

PN 10/16, EN 1074 part 1+2, GW 336-1

Face-to-face dimension EN 558 basic series 15

Düker etec enamel finish for water

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside etec enamel according to the DEV-guidelines for class III soils, EN ISO 11177, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts according to DVGW W 270, DVGW tested and registered.

Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20 Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
40-300	16	24	17,6
200-300	10	15	11

Item no.	DN	PN	Price in €*
569135	40	16	291,60
569136	50	16	320,90
569137	65	16	472,20
567656	80	16	364,90
569946**	80	16	364,90
567614	100	16	402,70
569628	125	16	694,30
567690	150	16	694,30
567770	200	10	1.223,90
568088	200	16	1.282,50
324701	250	10	1.947,50
324707	250	16	2.046,30
324708	300	10	2.684,50
324709	300	16	2.818,70

* without operating element

** 4 holes as per DIN 1882



Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

Düker Gate Valve Type 2004

PN 10/16, EN 1074 part 1+2, GW 336-1

Face-to-face dimension EN 558 basic series 14

Düker etec enamel finish for water

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside etec enamel according to the DEV-guidelines for class III soils, EN ISO 11177, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts according to DVGW W 270, DVGW tested and registered.

Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20 Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
40–300	16	24	17,6
200–300	10	15	11

Item no.	DN	PN	Price in €*
569110	40	16	286,70
569111	50	16	312,30
569184	65	16	447,80
567839	80	16	352,70
567843	100	16	395,40
567847	125	16	685,80
567851	150	16	685,80
567855	200	10	1.179,90
568173	200	16	1.236,10
324710	250	10	1.882,70
324716	250	16	1.974,30
324717	300	10	2.594,20
324718	300	16	2.722,30

* without operating element



Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

Düker Gate Valve Type 4004

PN 10/16, EN 1074 part 1+2, GW 336-1
Face-to-face dimension EN 558 basic series 15
Düker epoxy finish for water

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside epoxy blue RAL 5005 according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts according to DVGW W 270, DVGW tested and registered.

Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20 Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
40–300	16	24	17,6
200–300	10	15	11

Item no.	DN	PN	Price in €*
769104	40	16	364,50
569275	50	16	320,90
569823	65	16	472,20
571171	80	16	338,00
571662**	80	16	338,00
571173	100	16	373,40
571633	125	16	644,30
571175	150	16	644,30
571177	200	10	1.128,70
573197	200	16	1.182,40
324723	250	10	1.801,00
324724	250	16	1.891,40
324725	300	10	2.480,70
324726	300	16	2.606,30

* without operating element

** 4 holes as per DIN 1882



Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

Düker Gate Valve Type 2004

PN 10/16, EN 1074 part 1+2, GW 336-1

Face-to-face dimension EN 558 basic series 14

Düker epoxy finish for water

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside epoxy blue RAL 5005 according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts according to DVGW W 270, DVGW tested and registered.

Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20 Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
40–300	16	24	17,6
200–300	10	15	11

Item no.	DN	PN	Price in €*
570158	40	16	358,38
569534	50	16	312,30
570599	65	16	447,80
570941	80	16	325,70
570944	100	16	369,70
571053	125	16	628,40
570947	150	16	628,40
571056	200	10	1.089,70
571070	200	16	1.142,10
324727	250	10	1.741,30
324728	250	16	1.823,00
324729	300	10	2.401,40
324730	300	16	2.523,40

* without operating element

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request



Gate Valves in Large Diameters

PN 10/16, EN 1074 part 1+2, GW 336-1

Face-to-face dimension EN 558 basic series 14 / 15

Epoxy finish for water

Resilient-seated gate valve, flanges according to EN 2092-2, inside and outside epoxy blue RAL 5005 according to GSK, connecting screws A2, countersunk and sealed, rubberised wedge, EPDM gaskets according to DVGW W 270, DVGW tested and registered.

Material

- Body, bonnet and wedge – EN-GJS-400-15 (JS 1030)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanised (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
350–600	16	24	17,6
350–600	10	15	11

Gate valve face-to-face length basic series 14

Item no.	DN	PN	Price in €*
310942	350	10	5.340,80
310943	350	16	5.609,30
310944	400	10	5.643,40
310945	400	16	5.925,30
310946	500	10	12.984,30
310947	500	16	13.634,60
310948	600	10	17.846,80
310949	600	16	18.737,50

Gate valve face-to-face length basic series 15

Item no.	DN	PN	Price in €*
310950	350	10	6.004,60
310951	350	16	6.306,10
310952	400	10	6.281,60
310953	400	16	6.596,50
310954	500	10	13.905,50
310955	500	16	14.601,00

* without operating element

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 95)
- Electrical actuator upon request

Düker Gate Valve Type 4004

PN 10/16, EN 1074 part 1+2, GW 336-1
with studs for welding on both sides PE 100
Face-to-face dimension EN 558 basic series 13
Düker etec enamel finish for water

Resilient-seated gate valve with PE-HD connections according to DVGW G-5600-1 with connecting dimensions according to DIN 8074/8075, inside and outside etec enamel according to the DEV-guidelines for class III soils, EN ISO 11177, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, media free stem bearing, rubberized wedge, EPDM gaskets and plastic parts according to DVGW W 270, DVGW tested and registered.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20 Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +40 °C

Pipes DIN 8074, inspection report Engler-Bunte-Institute regarding connection DVGW GW 335 B4 (melting index group MFR 005 and 010), DVGW 335 B2 and bulletin DVS 2207

Nominal diameter DN	Nominal pressure PN	SDR	Test pressure in bar (water)	
			Body	Seat
80-200	10	17	15	11
80-200	16	11	24	17,6

Upon request:

- inside and outside Epoxy

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

SDR 11				
Item no.	DN	d	Wall thickness	Price in €*
571193	80	90	8,2	688,30
570280	100	110	10	784,50
570780	100	125	11,4	940,80
768968	125	140	12,8	1.843,80
570980	150	160	14,6	1.460,60
571542	150	180	16,4	1.565,50
768972	200	200	18,2	2.643,00
571328	200	225	20,5	2.643,00

SDR 17				
Item no.	DN	d	Wall thickness	Price in €*
571243	80	90	5,4	688,30
571206	100	110	6,6	784,50
571240	100	125	7,4	940,80
768964	125	140	8,3	1.715,50
571207	150	160	9,5	1.460,60
571248	150	180	10,7	1.565,50
768974	200	200	11,9	2.643,00
571319	200	225	13,4	2.643,00

* without operating element

Düker Replacement and Repair Valve Type 4004 thrust-resistant

PN 10/16, EN 1074 part 1+2, GW 336-1
Face-to-face dimension EN 558 basic series 15;
Düker etec enamel finish for water

Resilient-seated gate valve, flanges according to EN 1092-2, etec enamel inside and outside according to the DEV guideline for class III soil, EN ISO 11177, restraint loose flanges with integrated gasket securing tensile strength, epoxy coating black RAL 9005 according to the GSK guidelines, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts in accordance with DVGW W 270.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- Body / bonnet Düker etec enamel inside and outside according to EN ISO 11177, DEV guideline class III soils
- Loose flanges: epoxy black RAL 9005 inside and outside according to the GSK guidelines

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80 – 200	16	24,0	17,6
200	10	15,0	11,0

Replacement and repair valve type 4004

Item no.	DN	PN	FTF*	Price in €**
573612	80	16	280	680,90
573613	100	16	300	830,90
573614	125	16	325	987,20
573615	150	16	350	1.343,40
573616	200	10	400	2.035,30
573617	200	16	400	2.135,40

* + 8 mm max.

** without operating element

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

Düker Replacement and Repair Valve Type 2004 thrust-resistant

PN 10/16, EN 1074 part 1+2, GW 336-1
Face-to-face length EN 558 basic series 14
Düker etec enamel finish for water

Resilient-seated gate valve, flanges according to EN 1092-2, etec enamel inside and outside according to the DEV guideline for class III soil, EN ISO 11177, restraint loose flanges with integrated gasket securing tensile strength, epoxy coating black RAL 9005 according to the GSK guidelines, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts in accordance with DVGW W 270.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- Body / bonnet Düker etec enamel inside and outside according to EN ISO 11177, DEV guideline class III soils
- Loose flanges: epoxy black RAL 9005 inside and outside according to the GSK guidelines

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80 – 200	16	24,0	17,6
200	10	15,0	11,0

Replacement and repair valve type 2004

Item no.	DN	PN	FTF*	Price in €**
572853	80	16	180	680,90
572854	100	16	190	830,90
572855	125	16	200	987,20
572856	150	16	210	1.343,40
572857	200	10	230	2.035,30
572858	200	16	230	2.135,40

* + 8 mm max.

** without operating element

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

Düker Gate Valve Type 4004

PN 0.5/16, EN 13774, GW 336-1

Face-to-face dimension EN 558 basic series 15

Düker epoxy finish for gas

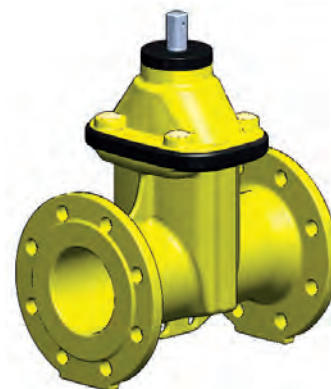
Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside epoxy yellow RAL 1023 according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge and gaskets NBR, DVGW tested and registered.

Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – NBR)

Surface protection

- inside and outside epoxy yellow RAL 1023 according to the GSK guidelines



Field of application: All gases according to DVGW publication G 260/I

Nominal diameter DN	Nominal pressure PN	Test pressure in bar	
		Body	Seat PG 3 16 bar
		Water	Air
40 – 300	0,5 / 16	24	0,5 and 17,6

Item no.	DN	PN	PG	Price in €*
571709	40	16	PG 3	452,70
571037	50	16	PG 3	480,70
572015	65	16	PG 3	591,80
568078	80	16	PG 3	511,30
570239	100	16	PG 3	567,40
571670	125	16	PG 3	841,90
568081	150	16	PG 3	841,90
568082	200	10	PG 3	1.314,10
571034	200	16	PG 3	1.377,60
324735	250	10	PG 3	2.144,00
324736	250	16	PG 3	2.250,10
324737	300	10	PG 3	2.826,00
324738	300	16	PG 3	2.962,70

* without operating element

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Upon request:

- inside and outside enamel
- with pressure test **PG 2**

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

Düker Gate Valve Type 2004

PN 0,5/16, EN 13774, GW 336-1

Face-to-face dimension EN 558 basic series 14

Düker epoxy finish for gas

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside epoxy yellow RAL 1023 according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge and gaskets NBR, DVGW tested and registered.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – NBR)

Surface protection

- inside and outside epoxy yellow RAL 1023 according to the GSK guidelines

Field of application: All gases according to DVGW publication G 260/I

Nominal diameter DN	Nominal pressure PN	Test pressure in bar	
		Body	Seat PG 3 16 bar
		Water	Air
40 – 300	0,5 / 16	24	0,5 and 17,6

Item no.	DN	PN	PG	Price in €*
769006	40	16	PG 3	440,50
571047	50	16	PG 3	474,70
571679	65	16	PG 3	573,50
571322	80	16	PG 3	494,10
571131	100	16	PG 3	545,50
769011	125	16	PG 3	811,50
571072	150	16	PG 3	811,50
571073	200	10	PG 3	1.270,30
571048	200	16	PG 3	1.337,40
324740	250	10	PG 3	2.075,50
324741	250	16	PG 3	2.176,80
324743	300	10	PG 3	2.763,80
324744	300	16	PG 3	2.868,70

* without operating element

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Upon request:

- inside and outside enamel
- with pressure test **PG 2**

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

Düker Gate Valve Type 4004

PN 5, EN 13774, GW 336-1

with studs for welding on both sides PE 100

Face-to-face dimension EN 558 basic series 13

Düker epoxy finish for gas

Resilient-seated gate valve with PE-HD connections according to DVGW G-5600-1 with connecting dimensions according to DIN 8074/8075, epoxy yellow RAL 1023 inside and outside according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, media free stem bearing, rubberized wedge, gaskets NBR, DVGW tested and registered.



Material

- Body, bonnet and wedge - EN-GJS-500-7 (JS 1050)
- Stem - X20Cr13
- Stem nut and clamping piece - special brass
- Obturator - entirely vulcanized (elastomer - NBR)

Surface protection

- inside and outside epoxy yellow RAL 1023 according to the GSK guidelines

Field of application: All gases according to DVGW publication G 260/1

Pipes DIN 8074, inspection report Engler-Bunte-Institute regarding connection DVGW G-5600-1 (melting index group MFR 005 and 010), DVGW 335 B2 and bulletin DVS 2207

Nominal diameter DN	Nominal pressure PN	SDR	Test pressure in bar	
			Body	Seat PG 3 5 bar
			Water	Air
80-200	5	11/17	24	0,5 and 6
80-200	10	11	24	0,5 and 11

Upon request:

- inside and outside enamel

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

SDR 11						
Item no.	PN 5	PN 10	DN	d	Wall thickness	Price in €*
568830	572355	100	110	10	867,50	
568832	571970	100	125	11,4	1.039,60	
769041	789115	125	140	12,8	1.694,90	
568850	571715	150	160	14,6	1.530,20	
568835	789116	150	180	16,4	1.729,00	
569116	789119	200	200	18,2	2.741,90	
569118	571660	200	225	20,5	2.741,90	

SDR 17					
Item no.	PN 5	DN	d	Wall thickness	Price in €*
568831	100	110	6,6	867,50	
568833	100	125	7,4	1.039,60	
569113	125	140	8,3	1.694,90	
568834	150	160	9,5	1.530,20	
569115	150	180	10,7	1.729,00	
569117	200	200	11,9	2.741,90	
568836	200	225	13,4	2.741,90	

* without operating element

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Düker Gate Valve Type 3004

PN 16, EN 13774, GW 336-1

with studs for welding on both ends according to EN 12627 for steel pipes

Face-to-face dimension EN 12982 basic series 15

Polyurethane finish for gas

Resilient-seated gate valve with studs for welding according to EN 12627, inside Düker enamel, outside Polyurethane, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, gaskets NBR, DVGW tested and registered.



Material

- Body EN-GJS-400-18 (JS 1049)
- Studs for welding St. 35.8 / P235GH
- Bonnet, obturator EN-GJS-500-7 (JS -1050)
- Stem - X20Cr13
- Stem nut and clamping piece - special brass
- Obturator - entirely vulcanized (elastomer - NBR)

Surface protection

- inside blue Düker enamel
- outside polyurethane according to DIN 30677 T 2, 15 KV-tested

Field of application: All gases according to DVGW publication G 260/I

Nominal diameter DN	Nominal pressure PN	Test pressure in bar	
		Body	Seat PG 3 16 bar
		Water	Air
50-300	16	24	0,5 and 17,6

Item no.	DN	PN	Outside pipe diameter mm	Price in €*
569307	50	16	60,3	1.334,90
572609	80	16	88,9	1.712,00
572235	100	16	114,3	1.841,30
572735	150	16	168,3	2.761,30
572736	200	16	219,1	4.064,50
324769	250	16	273,1	8.038,80
324771	300	16	323,9	8.038,80

* without operating element

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

Düker Gate Valve Type 3004

PN 5, EN 13774

with blow-off pipes and studs for welding on both ends according to EN 12627 for steel pipes
Polyurethane finish for gas

Resilient-seated gate valve with studs for welding according to EN 12627, inside Düker enamel, outside polyurethane, connecting screws A2, countersunk and sealed, media free stem bearing, rubberized wedge, gaskets NBR. The welding seams are tested according to the AD bulletin HP5 / 3 and the weld-on ends according to EN 12266.

Material

- Body EN-GJS-400-18 (JS 1049)
- Studs for welding St. 35.8 / P235GH
- Bonnet, obturator EN-GJS-500-7 (JS -1050)
- Stem - X20Cr13
- Stem nut and clamping piece - special brass
- Obturator - entirely vulcanized (elastomer - NBR)

Surface protection

- inside blue Düker enamel
- outside polyurethane according to DIN 30677-2, 15 KV-tested



Field of application: All gases according to DVGW publication G 260/I

Nominal diameter DN	Nominal pressure PN	Test pressure in bar	
		Body	Seat PG 3 5 bar
		Water	Air
80-300	5	24	0,5 and 6

Item no.	DN	Outside pipe diameter mm	PG	Price in €*
571427	80	88,9	PG3	upon request
571428	100	114,3	PG3	upon request
571429	150	168,3	PG3	upon request
571430	200	219,1	PG3	upon request
324776	300	323,9	PG3	upon request

* without operating element

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Note: ball valves and mounting bracket must be ordered separately

Operation:

- Operating key (see page 90)
- Stem extension set (see page 94)

Düker Gate Valve Type 3004

PN 5, EN 13774

with blow-off pipes and studs for welding on both ends PE 100

Polyurethane finish for gas

Resilient-seated gate valve with PE-HD connections according to DVGW G-5600-1 with connecting dimensions according to DIN 8074/8075, Düker enamel on the inside, polyurethane on the outside, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, gaskets NBR. PE pipe end with double socket welding length. The welding seams are tested according to the AD bulletin HP5 / 3 and the weld-on ends according to EN 12266.

Material

- Body EN-GJS-400-18 (JS 1049)
- PE 100 stud for welding
- Bonnet, obturator EN-GJS-500-7 (JS-1050)
- Stem - X20Cr13
- Stem nut and clamping piece - special brass
- Obturator - entirely vulcanized (elastomer - NBR)

Surface protection

- inside blue Düker enamel
- outside polyurethane according to DIN 30677-2. 15 KV-tested

Field of application: All gases according to DVGW publication G 260/1

Nominal diameter DN	Nominal pressure PN	SDR	Test pressure in bar	
			Body	Seat PG 3 5 bar
			Water	Air
100 - 200	5	11 / 17	24	0,5 and 6

Item no.	DN	Diameter	PG	Price in €*
572483	100	110	PG3	upon request
572484	150	160	PG3	upon request
572485	150	180	PG3	upon request
572486	200	225	PG3	upon request

* without operating element

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Note: ball valves and mounting bracket must be ordered separately



Operation:

- Operating key (see page 90)
- Stem extension set (see page 94)

Düker Waste Water Valve Type 4004

PN 10/16, GW 336-1

Face-to-face dimension EN 558 basic series 15

Düker enamel finish

Resilient-seated gate valve, flanges according to EN 1092-2, etec enamel inside and outside according to the DEV guideline for class III soil, EN ISO 11177, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, gaskets NBR.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – 1.4571
- Stem nut and clamping piece – aluminum bronze
- Obturator – entirely vulcanized (elastomer – NBR)

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Waste water (municipal sewage without solid matter)

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
50 – 300	16	24	17,6
200 – 300	10	15	11

Item no.	DN	PN	Price in €*
769097	50	16	615,00
572431	80	16	444,20
573113	100	16	485,60
573114	125	16	830,90
573115	150	16	830,90
573054	200	10	1.466,70
769044	200	16	1.526,50
324745	250	10	2.338,00
324746	250	16	2.453,80
324749	300	10	3.222,60
324750	300	16	3.358,00

* without operating element

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

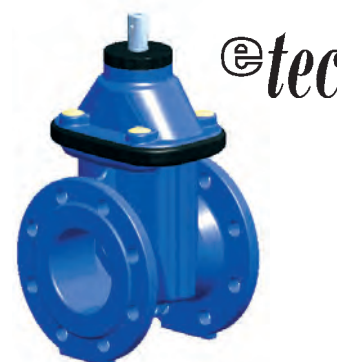
Düker Waste Water Valve Type 2004

PN 10/16, GW 336-1

Face-to-face dimension EN 558 basic series 14

Düker enamel finish

Resilient-seated gate valve, flanges according to EN 1092-2, etec enamel inside and outside according to the DEV guideline for class III soil, EN ISO 11177, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, gaskets NBR.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – 1.4571
- Stem nut and clamping piece – aluminum bronze
- Obturator – entirely vulcanized (elastomer – NBR)

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Waste water (municipal sewage without solid matter)

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
50-300	16	24	17,6
200-300	10	15	11

Item no.	DN	PN	Price in €*
769098	50	16	615,00
573058	80	16	444,20
769045	100	16	485,60
769046	125	16	830,90
769047	150	16	830,90
573112	200	10	1.466,70
769048	200	16	1.526,50
324752	250	10	2.338,00
324753	250	16	2.453,80
324754	300	10	3.222,60
324755	300	16	3.358,00

* without operating element

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

Düker Waste Water Valve Type 4004

PN 10/16, GW 336-1

Face-to-face dimension EN 558 basic series 15

Düker epoxy blue finish

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside epoxy blue RAL 5005 according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, gaskets NBR.

Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – 1.4571
- Stem nut and clamping piece – aluminum bronze
- Obturator – entirely vulcanized (elastomer – NBR)

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines



Field of application: Waste water (municipal sewage without solid matter)

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
50 – 300	16	24	17,6
200 – 300	10	15	11

Item no.	DN	PN	Price in €*
572432	50	16	573,50
572436	80	16	403,90
572438	100	16	451,40
572440	125	16	773,60
572442	150	16	773,60
572446	200	10	1.354,40
768948	200	16	1.420,40
324759	250	10	2.158,50
324760	250	16	2.269,50
324761	300	10	2.978,50
324762	300	16	3.131,00

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

* without operating element

Düker Waste Water Valve Type 2004

PN 10/16, GW 336-1

Face-to-face dimension EN 558 basic series 14

Düker epoxy blue finish

Resilient-seated gate valve, flanges according to EN 1092-2, inside and outside epoxy blue RAL 5005 according to GSK, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, gaskets NBR.

Material

- Body and wedge – EN-GJS-500-7 (JS 1050)
- Stem – 1.4571
- Stem nut and clamping piece – aluminum bronze
- Obturator – entirely vulcanized (elastomer – NBR)

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines



Field of application: Waste water (municipal sewage without solid matter)

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
50 – 300	16	24	17,6
200 – 300	10	15	11

Item no.	DN	PN	Price in €*
572561	50	16	573,50
760350	80	16	422,20
572562	100	16	451,40
572563	125	16	773,60
572564	150	16	773,60
572565	200	10	1.354,40
572787	200	16	1.420,40
324764	250	10	2.158,50
324765	250	16	2.269,50
324766	300	10	2.978,50
324767	300	16	3.131,00

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)
- Electrical actuator upon request

* without operating element

Düker Tapping Valve TOP-Fix Type 1014

PN 16

for spot drilling under pressure

Düker etec enamel finish for water

for cast iron, steel and asbestos cement pipes DN 80 up to 300

Tapping valve with disc,
vertical outlet Rp 1½" as per EN 10226-1
with DIN-DVGW type examination certificate (A) for potable water
as per DVGW W 333 and DVGW W 336,
maximum drilling diameter 38 mm,
stem square 12 mm.



Compact low design, can be mounted non-tilting, for pressure drilling without auxiliary valve, one turn for opening and closing, reliable end spots in the open and closed position, completely free and flow-efficient passage, no residual water between the superior and inferior body part, fully rubberized toothed disc, pinion shaft with 3fold O-ring-sealing, connecting screws countersunk and sealed, EPDM gaskets and plastic components according to DVGW W 270, DVGW tested and registered.

Material

- Upper and lower body part made of EN-GJS-500-7 (JS-1050)
- Pinion shaft stainless steel 1.4313 (X3CrNiMo13-4)
- Toothed disc stainless steel 1.4016 (X6Cr17) completely rubberised
- All screws made of stainless steel A2
- Sealing gaskets EPDM

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Operating medium

Potable and raw water up to 60°C

Surface protection

- Upper and lower body part inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Clapping band for cast iron, steel and asbestos cement pipes (see page 36)

Field of application: Drinking water up to +60 °C

Item no.	Rp	Price in €*
790721	1½	390,50

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
25-50	16	24	17,6

Operation:

- Düker Quick – telescopic stem extension set, restrained without pinning (see page 93)
- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)



Watch a fascinating animation about TOP 1014 and the Düker Quick stem extension set!

Düker Tapping Valve TOP-Drehfix Type 1014 with PE 100 welding outlet

PN 16

for spot drilling under pressure

Düker etec enamel finish for water

for cast iron, steel and asbestos cement pipes DN 80 up to 300

Tapping valve with disc, horizontal rotatable outlet with PE welding ends d 32, 40, 50 or 63, with DIN-DVGW type examination certificate (A) for potable water as per DVGW W 333 and DVGW W 336, maximum drilling diameter 38 mm, stem square 12 mm.

Compact low design, can be mounted non-tilting, for pressure drilling without auxiliary valve, one turn for opening and closing, reliable end spots in the open and closed position, completely free and flow-efficient passage, no residual water between the superior and inferior body part, fully rubberized toothed disc, pinion shaft with 3fold O-ring-sealing, connecting screws countersunk and sealed, rotatable enamelled outlet bend without passage reduction, connection to the valve with an installation-friendly bajonet lock, with pre-installed weld-on end PE 100, EPDM gaskets and plastic components according to DVGW W 270, DVGW tested and registered.



Material

- Upper and lower body part and outlet bend made of EN-GJS-500-7 (JS-1050)
- Pinion shaft stainless steel 1.4313 (X3CrNiMo13-4)
- Toothed disc stainless steel 1.4016 (X6Cr17) completely rubberised
- All screws made of stainless steel A2
- Sealing gaskets EPDM

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Operating medium

Potable and raw water up to bis 60°C

Surface protection

- Upper and lower body part as well as outlet bend inside and outside Düker etec enamel as per EN ISO 11177, EV guideline class III soils

Tapping valve TOP-Drehfix type 1014 etec enamel, vertical outlet for bend fitting

Item no.	DN	Drilling max.	Price in €
306216	80 - 300	38 mm	390,50

Clapping band for cast iron, steel and asbestos cement pipes (see page 36)

Drehfix bend fitting 360° etec enamel, with pre-installed PE spigot

Item no.	DN	d	Price in €
301284	25	32	113,50
301289	32	40	156,20
301290	40	50	170,90
301292	50	63	202,50

Field of application: Drinking water up to +40 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
25 - 50	16	24	17,6

Operation:

- Düker Quick - telescopic stem extension set, restrained without pinning (see page 93)
- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)

Drilling adapter for TOP-Drehfix

Item no.	Price in €
318961	896,90

Stainless Steel Clapping Bands

for tapping valves TOP type 1014

Flat clamping band for cast iron, steel, cement mortar and asbestos cement pipes PN 12.5. The clamps come in a set together with the gasket.

Material

- Flat clamping band and bolts: 1.4301, plastic-coated blue
- Nuts and washers: 1.4571, nuts with sliding coating
- Sliding blocks: glass fibre reinforced plastic
- Protecting caps: plastics
- Saddle sealing gasket: EPDM



Item no.	DN	Application	Pipe outside Ø mm	Length	Price in €
795847	80	DI PE-CM/AC	100 - 106	465	61,10
795844	80	steel pipe series 1	88,9	435	61,10
795846	100	DI BT-PE-CM/AC/ steel pipe series 1	114,3 - 126	505	63,40
795865	100	steel pipe series 3	108	475	63,40
795855	125	DI BT-PE-CM/AC/ steel series 1	139,7 - 154	560	74,50
795848	150	DI BT-PE/ steel pipe series 1	168,3 - 174	620	76,80
795860	150	DI pipe CM/AC	180 - 182	640	76,80
795864	150	steel pipe series 3	159	590	76,80
795849	175	DI BT-PE	196 - 200	690	81,70
795850	200	DI BT/steel series 1	219,1 - 222	745	80,50
795867	200	DI PE	226	765	80,50
795854	200	DI pipe CM/AC	232 - 240	790	80,50
795851	225	DI BT-PE	248 - 252	820	87,90
795859	250	AC pipe	296	940	87,90
795852	250	DI BT-PE/ steel pipe series 1	273 - 278	890	87,90
795858	250	DI CM	286	920	87,90
795856	300	AC pipe	352	1.090	96,40
795863	300	DI BT-PE/ steel pipe series 1	323,9 - 326	1.030	96,40
795869	300	DI CM	338	1.060	96,40

DI = ductile cast iron
 CM = cement mortar
 AC = asbestos cement

Düker Tapping Valve TOP

PN 16, GW 336-1,

for spot drilling under pressure

Düker etec enamel finish for water

for cast iron, steel and asbestos cement pipes DN 80 - 300

- TOP tapping valve with integrated service connection valve for top drilling with non-return flap
- TOP tapping valve with PE-HD connection according to DVGW G-5600-1
- TOPsi tapping valve with integrated service connection valve for horizontal drilling
- 12 mm stem square, all elastomers and plastic parts according to W 270 material approval, DVGW tested and registered

Material

- Body EN-GJS-500-7 (JS 1050)
- Stem - X20Cr13
- Bonnet, obturator - special brass
- Obturator - entirely vulcanized (elastomer - EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- Düker etec enamel inside and outside as per EN ISO 11177, DEV guideline class III soils

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
25-50	16	24	17,6

TOP tapping valve with internal pipe thread

Field of application: Drinking water up to +60 °C

Item no.	Rp	Price in €
570359	1¼	475,90
570360	1½	475,90
570382	2	475,90

TOP tapping valve with PE 100 SDR 11

Field of application: Drinking water up to +40 °C

Item no.	DN	d	Price in €
570354	25	32	593,00
570355	32	40	593,00
570356	40	50	639,40
570357	50	63	734,60

PE-HD-ends laid out for two weldings

TOPsi tapping valve with internal pipe thread for horizontal drilling

Field of application: Drinking water up to +60 °C

Item no.	Rp	Price in €
570438	1½	361,20

Operation:

- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)



Düker Tapping Clamp Fig. 88

PN 10/16

Tapping clamp fig. 88 with internal pipe thread for vertical and horizontal drilling

Material

- Body EN-GJS-500-7 (JS 1050)

Surface protection

- inside and outside epoxy black RAL 9005 according to the GSK guidelines
- inside Düker enamel as per EN ISO 11177
- outside bituminous coating



Field of application: Drinking water up to +60 °C

Item no.	Rp	Price in €
556560	Blind	56,20
556561	1	69,60
556562	1¼	69,60
556563	1½	73,20
556564	2	73,20

Item no.	Rp	Price in €
558211	Blind	91,50
556486	1	100,10
556487	1¼	100,10
556489	1½	101,30
556490	2	101,30

Listed prices do not include the clapping bands (stainless steel).

Clapping Band (Stainless Steel)

for tapping valves TOP
for tapping clamps fig. 88

Flat clamping band matching cast iron, steel and cement mortar pipe as well as asbestos cement pipe PN 12.5. The clamps come in a set together with the gasket.

Material

- Flat clamping band and bolts: Stainless steel 1.430, plastic-coated black
- Nuts: 1.4571 with sliding coating
- Spherical washers: 1.4104
- Protection caps: plastics
- Saddle sealing gasket: EPDM



Item no.	DN	Application	Pipe outside Ø mm	Length	Price in €
791759	80	DI/AC	98 - 101,6	335	58,80
791760	80	DI CM	106	360	58,80
791761	80	steel	88,9	315	58,80
791763	100	DI/steel/AC	114,3 - 124	385	60,10
791764	100	DI CM	126	415	60,10
791765	100	steel	108	370	60,10
791767	125	DI	144 - 148	450	70,80
791766	125	DI CM/AC	153 - 154	480	70,80
791774	125	steel	139,7	435	70,80
791776	150	DI/steel	168,3 - 174	520	74,50
791775	150	DI CM/AC	180 - 182	540	74,50

Item no.	DN	Application	Pipe outside Ø mm	Length	Price in €
791777	150	steel	159	500	74,50
791778	175	DI/steel	196 - 200	590	76,80
791781	200	DI/steel	219,1 - 226	670	76,80
791779	200	DI CM/AC	232 - 240	700	76,80
791782	225	DI/steel	248 - 252	750	84,20
791785	250	DI/steel	273 - 278	825	84,20
791783	250	DI CM/AC	286 - 296	865	84,20
791787	300	AC	352	1.030	90,20
791789	300	DI/steel	323,9 - 330,4	990	90,20
791788	300	DI CM	338	1.010	90,20

Düker Service Connection Valve Type 1004

PN 16, GW 336-1, EN 1074 part 1+2

Face-to-face dimension EN 16722 : 2015-12, M4

Düker etec enamel finish for water

Resilient-seated gate valve, internal stem thread with connecting dimension EN 10226-1, inside and outside etec enamel according to the DEV guidelines for class III soils, EN ISO 11177, 12 mm stem square, rubberized wedge, EPDM gaskets as well as plastic parts according to W 270 material approval, DVGW tested and registered.

Material

- Body EN-GJS-500-7 (JS 1050)
- Stem - X20Cr13
- Bonnet, obturator - special brass
- Obturator - special brass entirely vulcanized (elastomer - EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
25-50	16	24	17,6

Item no.	DN	Thread	Price in €
570109	25	1"	263,60
570032	32	1 ¼"	305,10
570053	40	1 ½"	488,10
570082	50	2"	508,80

Upon request:

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines

Operation:

- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)



Düker Service Connection Valve Type 1004

PN 5, GW 336-1

Face-to-face dimension EN 16722 : 2015-12, M4
epoxy finish for gas

Resilient-seated valve, internal stem thread, connecting dimension EN 10226-1, epoxy yellow RAL 1023 according to GSK inside and outside, special brass stem nut, rubberized wedge, NBR gaskets, DVGW tested and registered.

Material

- Body EN-GJS-500-7 (JS 1050)
- Stem - X20Cr13
- Bonnet, obturator - special brass
- Obturator - entirely vulcanized (elastomer - NBR)

Surface protection

- inside and outside epoxy yellow RAL 1023 according to the GSK guidelines



Field of application: All gases according to DVGW publication G 260/I

Nominal diameter DN	Nominal pressure PN	Test pressure in bar	
		Body	Seat PG 3 5 bar
		Water	Air
25-50	4	24	0,5 and 6

Item no.	DN	Thread	Price in €
570071	25	1"	408,80
570038	32	1¼"	449,10
570059	40	1½"	629,70
570088	50	2"	693,10

Operation:

- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Düker Service Connection Valve Type 1004

**PN 16, GW 336-1,
with studs for welding on both sides PE 100
face-to-face dimension EN 16722 : 2015-12, M4
Düker etec enamel finish for water**

Resilient-seated gate valve with PE-HD connections according to DVGW G-5600-1 with connecting dimensions according to DIN 8074/8075, etec enamel according to the guidelines for class III soils inside and outside, EN ISO 11177, 12 mm stem square, rubberized wedge, EPDM gaskets as well as plastic parts according to W 270, DVGW tested and registered.

Material

- Body EN-GJS-500-7 (JS 1050)
- Stem - X20Cr13
- Bonnet - special brass
- Obturator - special brass, entirely vulcanized (elastomer - EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +20 °C

Pipes DIN 8074, inspection report Engler-Bunte-Institute regarding connection DVGW GW 335 B4 (melting index group MFR 005 and 010), DVGW 335 B2 and bulletin DVS 2207

Nominal diameter DN	Nominal pressure PN	SDR	Test pressure in bar (water)	
			Body	Seat
25-50	16	11	24	17,6

Item no.	DN	d	Wall thickness PE 100 SDR 11	Price in €
570001	25	32	2,9	511,30
570026	32	40	3,7	660,10
570052	40	50	4,6	748,00
570081	50	63	5,8	855,30



Upon request:

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines

Operation:

- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)

Düker Service Connection Valve Type 1004

**PN 5, GW 336-1,
with studs for welding on both sides PE 100
face-to-face dimension EN 16722 : 2015-12, M4
epoxy finish for gas**

Resilient-seated gate valve with PE-HD connections according to DVGW G-5600-1 with connecting dimensions according to DIN 8074/8075, epoxy yellow RAL 1023 inside and outside according to GSK, 12 mm stem square, rubberized wedge, NBR gaskets, DVGW tested and registered.



Material

- Body EN-GJS-500-7 (JS 1050)
- Stem - X20Cr13
- Bonnet, obturator - special brass
- Obturator - entirely vulcanized (elastomer - NBR)

Surface protection

- inside and outside Epoxy yellow RAL 1023 according to the GSK guidelines

Field of application: All gases according to DVGW publication G 260/1

Pipes DIN 8074, inspection report Engler-Bunte-Institute regarding connection DVGW G-5600-1 (melting index group MFR 005 and 010), DVGW 335 B2 and bulletin DVS 2207

Nominal diameter DN	Nominal pressure PN	SDR	Test pressure in bar	
			Body	Seat PG 3 5 bar
			Water	Air
25-50	4	11	24	0,5 and 6

Item no.	DN	d	Wall thickness PE 100 SDR 11	Price in €
570007	25	32	2,9	651,60
570037	32	40	3,7	865,20
570058	40	50	4,6	970,10
570087	50	63	5,8	1.126,30

Operation:

- Stem extension set for connection GW 336-1 (see page 94)
- Operating key (see page 90)

The prices for the gas valves include the inspection certificate 3.1 according to EN 10204 and valve marking.

Düker Underground Hydrant Type 304, design A

DN 80 PN 16, according to EN 1074-6
Düker etec enamel finish for water

Connection flange according to EN 1092-2, single shut-off, fully enamelled body with automatic drainage and protection against pressurised water, outlet cover with chain, self-locking cover as an option, secured obturator linkage, integrated flange sealing, all elastomers and plastic parts according to DVGW W 270, DVGW tested and registered, CE marking according to EN 14339.

Material

- Body, bonnet, DIN outlet coupling, outlet cover: EN-GJS-500-7 (JS 1050)
- Massive obturator linkage, stem X20Cr13
- Stem nut and bonnet nut in special brass
- Obturator – EPDM elastomer

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline for soil class III

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80	16	24	17,6



Item no.	Pipe covering m	PN	Construction	Closing cover	Price in €
570137	0,8	16	flange	standard	622,30
300688	0,8	16	flange	self-locking	666,20
570138	1	16	flange	standard	682,10
300851	1	16	flange	self-locking	724,80
570139	1,25	16	flange	standard	737,00
300852	1,25	16	flange	self-locking	779,70
570140	1,5	16	flange	standard	932,30
300853	1,5	16	flange	self-locking	976,20

Closing cover:

- Standard (cover with chain)
- self-closing cover as an option



Suitable drain:

326638 drain type D made of PP including protective fleece (see page 50)

Accessories:

- Operating key (see page 90)



Düker Underground Hydrant Type 305, design AD

DN 80 PN 16, according to EN 1074-6
Düker etec enamel finish for water

Connection flange according to EN 1092-2, single shut-off, fully enamelled body with automatic drainage and protection against pressurised water, outlet cover with chain, self-locking cover as an option, secured obturator linkage, integrated flange sealing, all elastomers and plastic parts according to DVGW W 270, DVGW tested and registered, CE marking according to EN 14339.

Material

- Body, bonnet, DIN outlet coupling, outlet cover: EN-GJS-500-7 (JS 1050)
- Massive obturator linkage, stem X20Cr13
- Stem nut and bonnet nut in special brass
- Obturator – EPDM elastomer
- Sealing ball – steel, EPDM sheathed

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline for soil class III

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80	16	24	17,6

Item no.	Pipe covering m	PN	Construction	Closing cover	Price in €
568636	0,8	16	flange	standard	806,60
300854	0,8	16	flange	self-locking	850,50
569278	1	16	flange	standard	868,70
300855	1	16	flange	self-locking	911,50
569283	1,25	16	flange	standard	920,10
300857	1,25	16	flange	self-locking	962,80
567822	1,5	16	flange	standard	1.123,80
300858	1,5	16	flange	self-locking	1.169,00

Closing cover:

- Standard (cover with chain)
- self-closing cover as an option



Suitable drain:

326638 drain type D made of PP including protective fleece (see page 50)

Accessories:

- Operating key (see page 90)



Düker Underground Hydrant Type 306, Form A for chamber installation

DN 65 PN 16, as per EN 1074-6, closing anti-clockwise
Düker etec enamel finish for water



Connection flange according to EN 1092-2 and factory standard, 8 hole drilling (double drilling as per "Württembergischer chamber system" for flexible positioning), single shut-off, fully enamelled body with automatic drainage and protection against pressurised water, secured obturator linkage, integrated flange sealing, all elastomers and plastic parts according to DVGW W 270.

Material

- Body, bonnet, DIN outlet coupling, outlet cover: EN-GJS-500-7 (JS 1050)
- Massive obturator linkage, stem X20Cr13
- Stem nut and bonnet nut in special brass
- Obturator - EPDM elastomer

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils



Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
65	16	24	17,6

Item no.	Pipe covering m	Height mm	PN	Construction	Price in €
307267	0,8	575	16	flange	514,90

version with clockwise closing on request



Installation example

TT ball fitting DN	H ca. mm
80	850
100	825
150	850
200	900

Installation example with connection drum DN 65 and TT ball fitting DN 80, DN 100, DN 150 or DN 200

Düker Pillar Hydrant Type 494, design AUD

**DN 80 and 100, PN 16, according to EN 1074-6
with additional shut-off
Düker enamel finish for water**

Connection flange according to EN 1092-2, automatic drainage and protection against backflow and pressurised water, security lock of the internal mountings, traffic-area version with installation-friendly pre-determined breaking point, continuously rotatable with loose flange at the pre-determined breaking point, 2 B outlets, DN 100, optionally with or without A outlet, including drain set made of foam polystyrol, all elastomers and plastic parts according to DVGW W 270, DVGW tested and registered, CE marking according to EN 14384.

Material

- Bottom, upper and lower part of the pillar EN-GJS-500-7 (JS 1050)
- Aluminum operating cap, outlets and outlet covers
- Massive obturator linkage, stem X20Cr13
- Guide piece, stem bearing, predetermined breaking coupling, bonnet nut special brass
- Brass seat ring, rubberized EPDM
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- Bottom and lower part of the pillar inside and outside, upper part of the pillar inside: Düker etec enamel blue as per EN ISO 11177, DEV guideline soil class III
- Upper part of the pillar outside: Düker enamel red



delivery including drain set made of foam polystyrol

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80-100	16	24	17,6

Item no.	DN	Pipe covering m	PN	Price in €
327300	80 2 upper outlets B	1	16	3.249,40
316485		1,25	16	3.388,50
316488		1,5	16	3.560,50
327301	100 2 upper outlets B	1	16	3.945,00
316327		1,25	16	4.084,10
315062		1,5	16	4.237,80
327302	100 2 upper outlets B 1 bottom outlet A	1	16	3.945,00
316328		1,25	16	4.084,10
316326		1,5	16	4.237,80

Accessories:

- Operating key (see page 90)

Düker Pillar Hydrant Type 495, design AFUD

**DN 100 PN 16, with protective cover,
according to EN 1074-6 with additional shut-off
Düker enamel finish for water**

Connection flange according to EN 1092-2, automatic drainage and protection against backflow and pressurised water, security lock of the internal mountings, traffic-area version with installation-friendly pre-determined breaking point, continuously rotatable with loose flange at the pre-determined breaking point, 2 upper valve outlets B under the protective cover, 1 bottom outlet A including drain set made of foam polystyrol, all elastomers and plastic parts according to W 270 material approval, DVGW tested and registered, CE marking according to EN 14384.

Material

- Bottom, upper and lower part of the pillar, valve head and hand wheel EN-GJS-500-7 (JS 1050)
- Aluminum outlets and outlet covers
- Protective cover X5CrNi18-10
- Massive obturator linkage, stem X20Cr13
- Guide piece, stem bearing, predetermined breaking coupling, bonnet nut special brass
- Brass seat ring, rubberized EPDM
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- Bottom and lower part of the pillar inside and outside, upper part of the pillar inside: Düker etec enamel blue as per EN ISO 11177, DEV guideline soil class III
- Upper part of the pillar outside: Düker enamel red

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
100	16	24	17,6

Item no.	DN	Pipe covering m	PN	Price in €
327297	100	1	16	5.641,10
327298	100	1,25	16	5.780,20
327299	100	1,5	16	5.932,70



delivery including drain set made of foam polystyrol

Accessories:

- Operating key (see page 90)

4.4 Hydrant accessories

Hydrant extension type 304/305 complete			DIN outlet coupling extension type 304/305			Linkage extension type 304/305		
Item no.	mm	Price in €	Item no.	mm	Price in €	Item no.	mm	Price in €
772486	100	174,50	570985	100	101,30	561040	100	73,20
772487	150	209,90	570987	150	129,40	561042	150	80,50
772488	200	234,30	570989	200	151,30	561044	200	83,00
772489	300	299,00	570991	300	212,30	561046	300	86,70

Accessories		
Item no.		Price in €
772885	Drain type D	69,60
784879	Protective fleece diam. 262x700 (flat: 410x700 length)	11,50
326638	Drain type D including protective fleece	80,50

Ventilation Valves				
Item no.				Price in €
782406	for underground hydrants	Hydralüft UH VA DN 80 PN 16	only air purge	1.563,00
307333	for pillar hydrants	Hydralüft ÜH D-040-R2" PN 16	air admission and air purge	1.810,70

4.5 Hydrant spare parts

Spare parts underground hydrants		
Item no.		Price in €
319698	Obturator linkage pipe covering 0.80 hydrant type 304/305	202,50
319700	Obturator linkage pipe covering 1.00 hydrant type 304/305	225,80
319701	Obturator linkage pipe covering 1.25 hydrant type 304/305	258,60
319703	Obturator linkage pipe covering 1.50 hydrant type 304/305	297,80
727715	Outlet covering type 304/305 self-locking	76,80
550556	Outlet covering type 304/305/393/394 (cap with chain)	46,00
133180	Chain set 700 mm galvanised	16,60
310385	Bonnet type 304 complete f. 0,80 m pipe covering	175,70
571223	Bonnet type 304 complete f. 1,00 m pipe covering	175,70

Spare parts underground hydrants		
Item no.		Price in €
784244	Bonnet type 304 complete f. 1,25 m pipe covering	175,70
310386	Bonnet type 304 complete f. 1,50 m pipe covering	175,70
312469	Bonnet type 305 complete f. 0,80 m pipe covering	175,70
312470	Bonnet type 305 complete f. 1,00 m pipe covering	175,70
312471	Bonnet type 305 complete f. 1,25 m pipe covering	175,70
312473	Bonnet type 305 complete f. 1,50 m pipe covering	175,70
569419	DIN outlet coupling type 304/305	202,50
772471	O-Ring 87-5 (DIN outlet coupling)	10,20
566966	Orifice cover type 304/305	42,20

Spare parts pillar hydrants		
Item no.		Price in €
561101	Repair set 493/494/495 red	75,70
558931	Stem bearing type 494/495	253,80
558950	Ventilation valve type 494	32,00
561200	Valve head type 495 complete	364,90
561114	Safety clip for dismantling type 494	155,00

Upper parts type 494/495 completely enamelled for replacement – on request

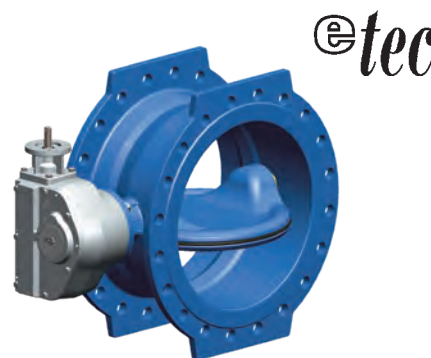
Düker Butterfly Valve Type 4510

PN 10/16 EN 1074 part 1+2

Face-to-face dimension EN 558 basic series 14

Düker etec enamel finish for water

Resilient-seated butterfly valve, with slider crank gear and adjustable end stop, etec enamel inside and outside according to EN ISO 11177 and the DEV guideline, tested for soil class III (AB DVGW GW 9), flow-optimized entirely enamelled valve disc with double eccentric shaft bearing, all elastomer and plastic parts according to DVGW W 270, DVGW tested and registered.



Material

- Body, valve disc – EN-GJS-400-15 (JS 1030)
- Retaining ring – EN-GJS-500-7
- Profile gasket – EPDM
- Shaft X20Cr 13
- Bearing bush – CC483K

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
200 – 1200	10	15	11
100 – 1200	16	24	17,6

Note:

Pressure rating PN 25, price on request

Operation/Accessories:

- Hand wheel
 - Operating key (see page 90)
 - Stem extension set (see page 91)
 - Electrical actuator¹
 - Pneumatic drive¹
 - Hydraulic drive¹
- ¹special design upon request

DN	PN	without accessories for hand wheel/ stem extension set/ electrical actuator		hand wheel set		gearbox with gear flange for stem extension set/ electrical actuator	matching electrical actuator
		Item no.	Price in €	Item no.	Price in €		
100	16	781487	2.694,20	327454	75,70	SKI B – F 10 – B3	SA 07.6
125	16	781488	3.003,00	327454	75,70	SKI B – F 10 – B3	SA 07.6
150	16	781489	3.003,00	327454	75,70	SKI B – F 10 – B3	SA 07.6
200	10	781413	3.451,90	327454	75,70	SKII B – F 10 – B3	SA 07.6
200	16	781499	3.635,00	327454	75,70	SKII B – F 10 – B3	SA 07.6
250	10	781490	3.953,50	327454	75,70	SKII B – F 10 – B3	SA 07.6
250	16	781498	4.412,30	327455	75,70	SKII B – F 10 – B3	SA 07.6
300	10	773902	5.173,70	327455	75,70	SKII B – F 10 – B3	SA 07.6
300	16	773903	5.724,00	327455	75,70	SKII B – F 10 – B3	SA 07.6
350	10	781513	6.057,20	327455	75,70	SKII B – F 10 – B3	SA 07.6
350	16	781514	7.245,60	327455	75,70	SKII B – F 10 – B3	SA 07.6
400	10	781522	6.822,10	327455	75,70	SKII B – F 10 – B3	SA 07.6
400	16	780681	8.172,90	327456	158,70	SKIII B – F 10 – B3	SA 10.2
500	10	781533	8.689,10	327456	158,70	SKIII B – F 10 – B3	SA 10.2
500	16	781534	11.068,60	327456	158,70	SKIII B – F 10 – B3	SA 10.2
600	10	781557	11.445,50	327456	158,70	SKIII B – F 10 – B3	SA 10.2
600	16	781558	14.925,60	327457	183,10	SKIV B – F 10 – B4	SA 10.2

Düker Butterfly Valve Type 451

PN 10/16 EN 1074 part 1+2

Face-to-face dimension EN 558 basic series 14

Düker etec enamel finish for water



Resilient-seated butterfly valve, with slider crank gear and adjustable end stop, etec enamel inside and outside according to EN ISO 11177 and the DEV guideline, tested for soil class III (AB DVGW GW 9), flow-optimized entirely enamelled valve disc with double eccentric shaft bearing, all elastomer and plastic parts according to DVGW W 270, DVGW tested and registered.



Material

- Body, valve disc – EN-GJS-400-15 (JS 1030)
- Retaining ring from DN 700 up – 1.4301
- Profile gasket – EPDM
- Shaft X20Cr 13
- Bearing bush – CC483K

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- DN 700 and 800: inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline; for soil class III
- DN 900 up to 1200: inside Düker enamel, outside two components epoxy resin blue RAL 5005.
Düker etec enamel inside and outside on request.

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
200 – 1200	10	15	11
100 – 1200	16	24	17,6

Note:

Pressure rating PN 25, price on request

Operation/Accessories:

- Hand wheel
 - Operating key (see page 90)
 - Stem extension set (see page 91)
 - Electrical actuator¹
 - Pneumatic drive¹
 - Hydraulic drive¹
- ¹special design upon request

DN	PN	without accessories for stem extension set/ electrical actuator		with hand wheel		gearbox with gear flange for stem extension set/ electrical actuator	matching electrical actuator
		Item no.	Price in €	Item no.	Price in €		
700	10	325807	18.020,10	327519	18.197,00	SKIV B - F 10 - B4	SA 10.2
700	16	327508	23.983,20	327523	24.058,90	SKIV B/GP - F 10 - B3	SA 10.2
800	10	327509	22.683,70	327524	22.859,40	SKIV B/GP - F 10 - B3	SA 10.2
800	16	327510	29.702,30	327525	29.778,00	SKIV B/GP - F 10 - B3	SA 10.2
900	10	572019	31.949,90	573161	32.025,60	SKIV B/GP - F 10 - B3	SA 10.2
900	16	573153	43.136,80	573162	43.295,50	GS - F 10 - B3	SA 10.2
1000	10	561871	34.621,00	561379	34.777,20	SKIV B/GP - F 10 - B3	SA 10.2
1000	16	568678	46.680,30	573163	46.835,30	GS - F 10 - B3	SA 10.2
1200	10	573157	53.566,00	569451	53.915,00	GS - F 10 - B3	SA 10.2
1200	16	573159	80.797,50	573164	80.954,80	GS - F 10 - B3	SA 10.2

Düker Butterfly Valve Long Body Type 4510/Type 451 with Bypass

PN 10/16 EN 1074 part 1+2

Face-to-face dimension EN 558 basic series 15

Düker etec enamel finish for water

Resilient-seated butterfly valve, with slider crank gear and adjustable end stop, etec enamel inside and outside according to EN ISO 11177 and the DEV guideline, tested for soil class III (AB DVGW GW 9), favorable flow behavior supporting entirely enamelled valve disc with double eccentric shaft bearing, bypass approx. 1/10 of the main nominal dimension, all elastomer and plastic parts according to DVGW W 270, DVGW tested and registered.



Material

- Body, valve disc – EN-GJS-400-15 (JS 1030)
- Retaining ring – EN-GJS-400-7, from DN 700 up 1.4301
- Profile gasket – EPDM
- Shaft X20Cr 13
- Bearing bush – CC483K

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline for soil class III
- from DN 700 butterfly valve inside Düker enamel, outside two components epoxy resin blue RAL 5005; bypass inside and outside Düker etec enamel as per EN ISO 11177

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
300-1000	10	15	11
300-1000	16	24	17,6

Note:

On request:

- Butterfly valve long face-to-face without bypass
- Butterfly valve with bloc flanges for the mounting of ventilations

Item no.	DN	PN	Bypass DN	Price in €
785226	300	10	40	7.981,40
789126	300	16	40	8.830,70
785225	400	10	40	10.524,30
772490	400	16	40	12.609,70
783437	500	10	50	13.405,20
772998	500	16	50	17.078,10
783423	600	10	50	17.658,90
780854	600	16	50	23.027,80
571503	700	10	80	upon request
571624	700	16	80	upon request
572494	800	10	80	upon request
570645	800	16	80	upon request

Item no.	DN	PN	Bypass DN	Price in €
312176	900	10	100	upon request
312177	900	16	100	upon request
573093	1000	10	100	upon request
782542	1000	16	100	upon request

Operation/Accessories:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 91)
- Electrical actuator¹
- Pneumatic drive¹
- Hydraulic drive¹

¹ special design upon request

Ring Butterfly Valve Type 487

PN 16 EN 1074 part 1+2

Wafer or lug type

Epoxy finish for water

Resilient-seated butterfly valve, centric, operation with hand gear (DN 25 – 200) or gearbox and hand wheel (DN 250 – 600), wafer type for clamp connection between flanges PN 10/16 as per EN 1092-02, or lug type for flange connection, inside and outside epoxy finish blue RAL 5015, layer thickness min. 250 µm, elastomer according to DVGW W 270, sleeve fixing: loose seat ring. DVGW tested and registered.

Material

- Body – EN-GJS-400-15 (JS 1030)
- Disc – stainless steel 1.4408
- Sealing – EPDM
- Shaft – 1.4021
- Hand gear / gear box – aluminum

All materials in contact with drinking water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside epoxy, layer thickness min. 250 µm

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
25 – 600	16	24	17,6



Wafer type for clamp connection



Lug type for flange connection

Wafer Type

Item no.	DN	Operating pressure max.	PN	Version	Price in €
312369	25	16	16	hand gear	181,80
312370	40	16	16	hand gear	181,80
312363	50	16	16	hand gear	181,80
312365	65	16	16	hand gear	195,20
326304	65	16	16	Gear box and hand wheel	379,50
312366	80	16	16	hand gear	225,80
326303	80	16	16	Gear box and hand wheel	409,90
312367	100	16	16	hand gear	272,10
326302	100	16	16	Gear box and hand wheel	456,30
312368	125	16	16	hand gear	373,40
312371	150	16	16	hand gear	438,00
326125	150	16	16	Gear box and hand wheel	683,30
310019	200	16	16	Gear box and hand wheel	988,40
312373	250	10	16	Gear box and hand wheel	1.227,60
312374	300	10	16	Gear box and hand wheel	1.643,70
312375	350	10	16	Gear box and hand wheel	2.472,20
312392	400	10	16	Gear box and hand wheel	3.410,50
312378	450	10	10	Gear box and hand wheel	5.547,00
312379	500	10	16	Gear box and hand wheel	6.373,20
312380	600	10	10	Gear box and hand wheel	9.495,70

Lug Type

Item no.	DN	Operating pressure max.	PN	Version	Price in €
312381	50	16	16	hand gear	191,60
312382	65	16	16	hand gear	223,30
312383	80	16	16	hand gear	268,50
324278	80	16	16	Gear box and hand wheel	452,70
312384	100	16	16	hand gear	323,40
314750	100	16	16	Gear box and hand wheel	507,60
312385	125	16	16	hand gear	425,80
324671	125	16	16	Gear box and hand wheel	608,90
312386	150	16	16	hand gear	512,50
322255	150	16	16	Gear box and hand wheel	757,70
317599	200	16	10	Gear box and hand wheel	1.016,50
324672	200	16	16	Gear box and hand wheel	1.016,50
317602	250	10	10	Gear box and hand wheel	1.482,50
312388	250	10	16	Gear box and hand wheel	1.482,50
325979	300	10	10	Gear box and hand wheel	1.947,50
312389	300	10	16	Gear box and hand wheel	1.947,50
312390	350	10	16	Gear box and hand wheel	2.884,60
323982	400	10	10	Gear box and hand wheel	3.969,30
312391	400	10	16	Gear box and hand wheel	3.969,30

Düker Non-Slam Check Valve Type 8015

PN 10 – PN 16, EN 1074 part 3
 Face-to-face length EN 558 basic series 14
 Düker etec enamel finish for water

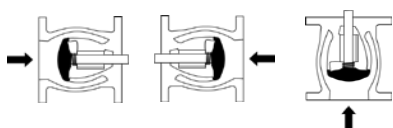
Resilient-seated backflow preventer, flanges as per EN 1092-2, inside and outside etec enamel as per EN ISO 11177 as well as the DEV guideline; tested for soil class III (DVGW worksheet GW 9), guide rod and threaded bush stainless steel 1.4057, spring 1.4310, elastomer gaskets and plastic parts according to DVGW W 270.

Hydraulically optimised

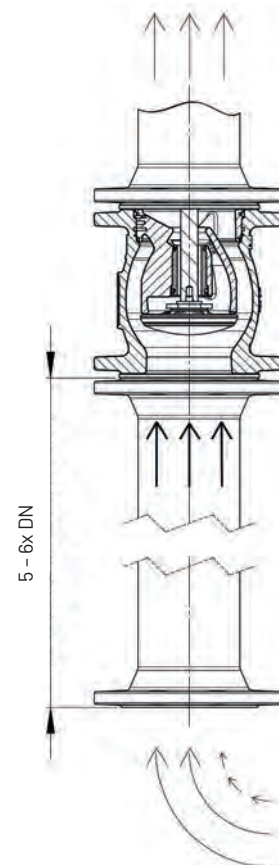
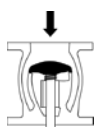
for industrial water applications, water collection, pumping stations etc. required back pressure for tightness: 0.5 bar

Design

- H + V = horizontal and vertical upwards



- V = vertical downwards



Material

- Body, body insert and valve disc – EN-GJS-500-7 or -14
- Valve disc sealing – completely rubberized with elastomer
- Guide rod and threaded bush – 1.4057
- Spring – 1.4310
- Guidance bush – polymer

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)		
		Body	Seat	
			flow direction	backflow direction
200 – 300	10	15	11	0,5
80 – 300	16	24	17,6	0,5
200 – 300	25	37,5	27,5	0,5
80 – 300	40	60	44	0,5

Item no. design H/V	Item no. design V	DN	PN	Length	Price in €
303290	303542	80	16	180	2.092,60
314479	314480	80	40	180	2.092,60
301764	303529	100	16	190	2.610,00
303459	303540	100	40	190	3.059,10
301916	303533	125	16	200	3.310,50
303463	303545	125	40	200	3.872,90
302877	303530	150	16	210	3.869,30
303460	303541	150	40	210	4.514,80
797489	303525	200	10	230	4.670,90
303141	303528	200	16	230	4.670,90

Item no. design H/V	Item no. design V	DN	PN	Length	Price in €
303142	303534	200	25	230	5.445,80
303143	303539	200	40	230	5.908,20
303453	303526	250	10	250	5.929,00
303442	303531	250	16	250	5.929,00
303456	303536	250	25	250	6.917,40
303461	303543	250	40	250	7.492,10
303454	303527	300	10	270	7.000,40
303444	303532	300	16	270	7.000,40

Length Compensators for the Non-Slam Check Valve

Double-flanged pipe inside and outside etec enamel as compensator for face-to-face length as per EN 558 basic series 48

DN	PN	Length mm	Item no.	Price in €
80	40	76	316841	upon request
100	16	105		upon request
125	16	145	313098	upon request
150	16	185	778773	upon request
200	10	264	313099	upon request
200	16	264	313100	upon request
250	10	344	313101	upon request
250	16	344	313102	upon request
300	10	424	313103	upon request
300	16	424	313105	upon request

PN 25 and PN 40 on request
alternative: compensator also pre-installed



Example: Non-slam check valve with compensator (flange connection to be made on site)

Double-flanged pipe inside and outside etec enamel as compensator for face-to-face length as per EN 558 basic series 26

DN	PN	Length mm	Item no.	Price in €
80	40	125	325056	upon request
100	16	155		upon request
125	16	195	325059	upon request
150	16	235	306146	upon request
200	10	310	325060	upon request
200	16	310	325061	upon request
250	10	390	325065	upon request
250	16	390	325066	upon request
300	10	470	325068	upon request
300	16	470	325069	upon request

PN 25 and PN 40 on request
alternative: compensator also pre-installed

Non-Return Valve

PN 10/16, EN 1074 part 3

Face-to-face length EN 558 basic series 48

Epoxy finish for water

Resilient-seated non-return valve for fast and complete shut-off of the backflow in pipelines, flanges as per EN 1092-2, inside and outside epoxy blue RAL 5005 according to GSK, bonnet bolts A2, EPDM gaskets as per DVGW W 270.

Delivery without ventilation device, bonnet nut can be exchanged for ventilation device required back pressure for tightness: 0.5 bar

Material

- Body, bonnet and disc - EN-GJS-400-15 (JS 1030)
- Disc gasket - EPDM-vulcanised all around
- Bonnet nut - brass CW 614 N
- Cover screws: A2
- Shaft - 1.4301

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines

Field of application: Water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)		
		Body	Seat	
			flow direction	backflow direction
40 - 300	16	24	17,6	0,5
200 - 300	10	15	11	0,5

Item no.	DN	Operating pressure max.	Price in €
310915	40	16	292,90
310916	50	16	312,30
310917	65	16	363,60
304287	80	16	383,10
304286	100	16	457,60
310918	125	16	721,10
304288	150	16	883,40
310919	200	10	1.524,00
310920	200	16	2.413,60
310921	250	10	2.422,20
310922	250	16	2.485,60
310923	300	10	3.111,60
310924	300	16	3.205,50

Ventilation device brass, CW 614 N

Item no.	DN	Price in €
	40 - 100	88,00
	125 - 300	88,00

Air Valves D-46 NS

DN 50 up to 100

PN 16 (operating pressure 0,2 – 16 bar)

Enamel finish

Three-way aeration and air release valve with integrated adjustable non-slam throttle disc as an active pressure surge buffer flange as per EN 1092-2, body enamelled inside and outside

Large orifice for ventilation and air release up to 7,854 mm², for start-up air release or for aeration in case of negative pressure in the pipeline.

Small orifice for operational air release up to 13 mm², floater-controlled for permanent efficiency by air-free transport.

Material

- Body EN-GJS
- Connection for aeration and air release, protective grating, floater, drainage PP
- Non-slam throttle disc, throttle insert, clamping ring PAGF
- Sealing gaskets EPDM

Surface protection

- Düker enamel inside and outside



Item no.	DN	Price in €
321876	50	1.142,10
321775	80	1.652,20
321743	100	2.068,30

Field of application: drinking water, raw water

Nominal diameter DN	Nominal pressure PN	Sealing system
50 – 100	16	0,2 up to 16 bar

Further Aeration and Air Release Valves

Automatic three-way aeration and air release valve D-040

Body PAGF

Item no.	NW	PN	Price in €
322421	½"	16	369,70
322422	¾"	16	369,70
322423	1"	16	369,70
322424	½"	10	327,00
322425	¾"	10	327,00
322426	1"	10	327,00



Operational Air Release Valve S-050

Body PAGF

Item no.	NW	PN	Price in €
322428	½"	16	277,00
322429	¾"	16	277,00
322430	1"	16	277,00
322431	½"	10	267,30
322432	¾"	10	267,30
322433	1"	10	267,30
322434	½"	6	319,70
322435	¾"	6	319,70
322436	1"	6	319,70



Aeration Stop

Item no.	Price in €
322470	128,10



Further versions on request.

DAWNING OF A NEW ERA

The Düker Plunger Valve Type RKV 7015

The most notable aspects of a plunger valve:

- ⇒ the flow passage is ring-shaped in any position
- ⇒ the movable obturator is shaped like a piston
- ⇒ the movement of the obturator is parallel to the axis of the pipeline

Plunger valves are mainly used for applications where pressure rates, flow rates and water levels in vessels must be controlled exactly and reliably; any cavitation is to be directed in a way that no damage can occur on the valve or the following pipeline. With multiple functions such as shut-off valve, check valve, non-return valve, safety and measuring valve, the plunger valve has a key function in plants and transport pipelines:

- to shut off a pipeline
- to adjust flow rates and pressures
- to start up and close down pipelines behind pumps
- to start up turbines in a bypass
- to drain water reservoirs through bottom outlets

This results in an extremely high strain during operation. Therefore a plunger valve must be designed to be robust, yet sensitive.

The **NEW Düker RKV type 7015** fulfils these superior and demanding requirements in total. With the support of CFD flow simulation as well as the finite elements method, the new valve has reached perfection in shape and function. Sophisticated technology, high-quality materials, low noise level, careful and precise manufacture and superior hygiene.

These are the highlights:

Guiding rails in the body – **for a superior life expectancy**

- min. 8 guiding rails in 2 groups of 4 pieces each
- offset by 45°
- made of high-quality stainless steel with superior hardness, therefore resistant to wear
- fixed securely and tension-free in the body – without bolting or welding
- without material mixing zones

Main sealing – **for excellent operational safety**

- robust large profile sealing ring
- mounted onto the piston
- protected from the flow
- positioned outside of the cavitation zone
- positioned outside of the abrasion zone

Without any dead space – **for optimal hygiene**

- water flow all around the piston
- sealed shaft bearing



Maintenance friendliness – **significant reduction of time and cost expenditures.**

- piston made of high-quality stainless steel
- piston with inferior hardness compared to the guiding rails
- any wear occurs on the piston, not on the guiding rails
- piston continuously turnable
- piston easily replaceable

The optimal adjustment range – even in case of low quantities without critical ring gap – is supported excellently by the robust, self-impeding and maintenance-free Düker slidercrank mechanism. The slidercrank gear adapts exactly to the torque progress of the valve. In the hydraulically effective closing end phase, the closing speed is reduced. This kinematic behaviour makes for an extremely soft closing. The danger of pressure surges is brought to a minimum.

The new Düker plunger valve type 7015 is synonymous with perfection and quality **“Made in Germany”**: durable – safe – reliable – economic.

Available in the nominal dimensions DN 100, 200 and 300, pressure rating PN 10 up to PN 40.

We will be glad to support you with our technical service for all questions and requests about the **Düker plunger valve type RKV 7015**.

Düker Plunger Valve Type RKV 7015

as per EN 1074 part 1, 2 and 5
Face-to-face length EN 558 basic series 15
Düker epoxy finish for water

Shut-off and control valve for pressure adjustment and quantity limiting, one-part body with eye bolts, flanges as per EN 1092-2, inside and outside epoxy blue RAL 5005 according to GSK, ring-shaped passage, sealing both ways, in case of slotted cylinder one-way sealing, optimized flow channelling, control insert: seat ring, slotted cylinder or special versions depending on the operating data, guiding rails for the piston in the body made of stainless steel with superior hardness, fixed firmly in the body (without bolting or welding), robust profile sealing on the piston, piston turnable in case of wear on the guiding, sealing gaskets EPDM and plastic parts according to DVGW W 270.



Material

- Body – EN-GJS-500-14
- Guiding rails – high-strength stainless steel, highly corrosion-resistant
- Piston – 1.4301
- Seat ring and control inserts – 1.4301
- Shaft – 1.4057
- Bearing bushings – bronze CC483K
- Clamping ring – 1.4301

Special materials on request

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside epoxy blue RAL 5005 according to the GSK guidelines
- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline – on request

Field of application: Drinking water and raw water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
150 – 300	10	15	11
150 – 300	16	24	17,6
150 – 300	25	37,5	27,5
150 – 300	40	60	44

Operation:

- Hand wheel
- Electrical actuator¹
- Pneumatic drive¹

¹ special design upon request

Watch the functioning of the Düker Plunger Valve RKV 7015 in a video!

www.dueker.de/film



Find a helpful questionnaire for design adaption of the plunger valve atd

www.dueker-germany.com > Flow Control > downloads

Düker Plug-in Socket Gate Valve Novo Type 4004

PN 16, EN 1074 part 1 + 2, GW 336-1
Face-to-face dimension EN 558 basic series 13
Düker etec enamel finish for water

Resilient-seated gate valve with double-chamber socket for the tensile strength ensuring connection to cast, steel and PE pipes, two-sided plug-in socket according to DIN 28603 TYTON® with pre-chamber, etec enamel inside and outside according to the DEV guidelines for class III soils, EN ISO 11177, edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts in accordance with DVGW W 270, DVGW tested and registered.



Material

- Body, bonnet and obturator – EN-GJS-500-7 (JS 1050)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80–300	16	24	17,6

Item no.	DN	Price in €*
567899	80	378,30
567903	100	405,10
570607	125	696,80
567911	150	696,80
567915	200	1.288,50
326536	250	2.056,10
326538	300	2.830,90

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

* without operating element

NOVO-SIT®: prices are without connection material

Düker Spigot Socket Gate Valve Novo Type 4004

PN 16, EN 1074 part 1 + 2, GW 336-1
Face-to-face dimension EN 558 basic series 13
Düker etec enamel finish for water

Resilient-seated gate valve with double-chamber socket for tensile strength ensuring connection to cast steel and PE pipes, plug-in socket according to EN 28603 TYTON® with pre-chamber, spigot according to 545, inside and outside etec enamel according to the DEV guideline for class III soil. EN ISO 11177 edge protection for bonnet and body, connecting screws A2, countersunk and sealed, medium-free stem bearing, rubberized wedge, EPDM gaskets and plastic parts in accordance with DVGW W 270, DVGW tested and registered.



Material

- Body, bonnet and wedge – EN-GJS-500-7 (JS 1050)
- Stem – X20Cr13
- Stem nut and clamping piece – special brass
- Obturator – entirely vulcanized (elastomer – EPDM)

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80–300	16	24	17,6

Item no.	DN	Price in €*
567919	80	378,30
567923	100	405,10
569643	125	696,80
567931	150	696,80
567935	200	1.288,50
326541	250	2.056,10
326544	300	2.830,90

Operation:

- Hand wheel (see page 89)
- Operating key (see page 90)
- Stem extension set (see page 94)

* without operating element

NOVO-SIT®: prices are without connection material

Düker Underground Hydrant Type 304 S, design A

DN 80 PN 16, according to EN 1074-6
Düker etec enamel finish for water

Spigot end as per EN 545, single shut-off, fully enamelled body with automatic drainage and protection against pressurised water, outlet cover with chain, secured obturator linkage, all elastomers and plastic parts according to DVGW W 270, DVGW tested and registered, CE marking as per EN 14399.

Material

- Body, bonnet, DIN outlet coupling, outlet cover: EN-GJS-500-7 (JS 1050)
- Massive obturator linkage, stem X20Cr13
- Stem nut and bonnet nut in special brass
- Obturator – EPDM elastomer

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
80	16	24	17,6

Item no.	Pipe covering m	H	PN	Design	Closing Cover	Price in €
763787	0,75	670	16	Spigot end	standard	1.012,80
304948	0,75	670	16	Spigot end	self-locking	1.054,30
763788	1,00	890	16	Spigot end	standard	1.050,60
304952	1,00	890	16	Spigot end	self-locking	1.094,50

Further pipe covering depths can be attained using an M piece (see page 69).

Closing cover:

- Standard (cover with chain)
- With self-locking cover

Accessories:

- Drain (see page 50)
- Operating key (see page 90)



Düker Plug-in Socket Butterfly Valve Novo

PN 10/16 EN 1074 part 1+2

Face-to-face dimension EN 558 basic series 14

Düker etec enamel finish for water

Resilient-seated butterfly valve, with slider crank gear and adjustable end stop, with double-chamber socket for tensile strength ensuring connection to cast, steel and PE pipes, double-sided plug-in socket according to DIN 28603 TYTON® with pre-chamber, etec enamel inside and outside according to EN ISO 11177 and the DEV guideline, tested for soil class III (AB DVGW GW 9), favorable flow behavior supporting entirely enamelled valve disc with double eccentric shaft bearing, all elastomer and plastic parts according to DVGW W 270, DVGW tested and registered.



Material

- Body, valve disc – EN-GJS-400-15 (JS 1030)
- Retaining ring – EN-GJS-500-7
- Profile gasket – EPDM
- Shaft X20Cr 13
- Bearing shafts – CC483K

All materials in contact with potable water correspond to the latest version of the German UBA guidelines.

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177, DEV guideline class III soils

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)	
		Body	Seat
150 – 400	25	37,5	27,5
500	16	24	17,6

Item no.	DN	PN	Price in €
781506	150	25	3.608,20
794236	200	25	4.372,00
781510	250	25	5.824,00
792573	300	25	8.004,50
792575	400	25	9.777,60
781555	500	16	13.943,40

Operation/Accessories:

- Operating key (see page 90)
- Stem extension set (see page 91)

Slider crank gear with free shaft end.

NOVO-SIT®: prices are without connection material

Düker Pipe Section with Novo Socket Type M

PN 10/16, for water

Socket pipe with double-chamber socket for tensile strength ensuring connection to cast steel and PE pipes, plug-in socket according to DIN 28603 TYTON® with pre-chamber, spigot according to EN 545. Also suitable as hydrant extension.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177

Field of application: Drinking water up to +60 °C

Socket version	DN	Length	Item no.	Price in €
NOVO-SIT®	80	150	308588	235,50
NOVO-SIT®	80	200	308589	246,50
NOVO-SIT®	80	300	308590	285,50
NOVO-SIT®	100	400	308579	328,20
NOVO-SIT®	150	400	308585	455,10
NOVO-SIT®	200	400	308587	854,10



Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK

NOVO-SIT®: prices are without connection material

Düker Hydrant Duck-foot Bend with Novo Sockets Type MMN and MMNR

PN 10/16 for water according to EN 545

Double socket duckfoot bends with double-chamber sockets according to DIN 28603 TYTON® with pre-chamber. For installation of plug-in hydrants.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177

Field of application: Drinking water up to +60 °C

Type MMN

Socket version	DN	Thread	Item no.	Price in €
NOVO-SIT®	80	2 x 1½"	308643	392,90
NOVO-SIT®	80	2 x 2"	308644	405,10
NOVO-SIT®	80	none	308645	458,80

Type MMNR

Socket version	DN ₁	DN ₂	Item no.	Price in €
NOVO-SIT®	100	80	774436	418,50
NOVO-SIT®	150	80	864468	734,60
NOVO-SIT®	200	80	308592	1.219,00



Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK
- With two lateral, internal pipe thread outlets

NOVO-SIT®: prices are without connection material

Düker Long Socket Tee with Socket Branch Type B

PN 10/16, for water

Long single socket tee with socket branch, with double-chamber socket NOVO in the passage, double-chamber socket NOVO in the centered branch, plug-in socket according to DIN 28603 TYTON® with pre-chamber, spigot in the passage according to EN 545. For the installation of plug-in hydrants.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177

Field of application: Drinking water up to +60 °C

Socket version	DN ₁	DN ₂	Item no.	Price in €
NOVO-SIT*	100	80	308594	950,50
NOVO-SIT*	150	80	308595	1.109,80
NOVO-SIT*	200	80	308596	1.827,80



Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK

NOVO-SIT®: prices are without connection material

Düker All Spigot Tee with Novo Socket Type M1

PN 10/16, for water

Single socket tee with spigot branch with one Novo double-chamber socket in the passage, plug-in socket according to DIN 28603 TYTON® with pre-chamber, spigot in the passage and outlet according to EN 545.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177

Field of application: Drinking water up to +60 °C



Socket version	DN ₁	DN ₂	Item no.	Price in €
NOVO-SIT®	80	80	567376	391,70
NOVO-SIT®	100	80	567377	418,50
NOVO-SIT®	100	100	567092	441,70
NOVO-SIT®	125	80	308599	upon request
NOVO-SIT®	125	100	308597	534,40
NOVO-SIT®	125	125	798414	547,80
NOVO-SIT®	150	80	567378	615,00
NOVO-SIT®	150	100	567379	615,00
NOVO-SIT®	150	125	864482	615,00
NOVO-SIT®	150	150	567380	615,00
NOVO-SIT®	200	80	570914	855,30
NOVO-SIT®	200	100	862644	855,30
NOVO-SIT®	200	125	779971	855,30
NOVO-SIT®	200	150	862854	855,30
NOVO-SIT®	200	200	567393	855,30
NOVO-SIT®	250	80	308604	upon request
NOVO-SIT®	250	100	308600	upon request
NOVO-SIT®	250	150	308601	upon request
NOVO-SIT®	250	200	308603	upon request
NOVO-SIT®	250	250	305120	upon request
NOVO-SIT®	300	80	308608	upon request
NOVO-SIT®	300	100	777539	upon request
NOVO-SIT®	300	150	308605	upon request
NOVO-SIT®	300	200	308606	upon request
NOVO-SIT®	300	300	308607	upon request
NOVO-SIT®	400	300	308609	upon request

Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK

NOVO-SIT®: prices are without connection material

Düker All Spigot Tee Type IT

PN 10/16, for water

All spigot tee with spigot ends according to EN 545 for the installation of gate valves with plug-in socket.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177

Field of application: Drinking water up to +60 °C



DN ₁	DN ₂	Item no.	Price in €
80	80	567732	417,30
100	80	569109	432,00
100	100	567091	435,70
125	80	308610	551,50
125	100	308611	551,50
125	125	863833	551,50
150	80	863221	665,00
150	100	863218	673,50
150	125	308612	680,90
150	150	567810	680,90
200	80	864475	968,80
200	100	864699	981,00
200	125	789977	995,70
200	150	865731	995,70
200	200	864474	1.003,00
250	80	308618	2.136,60
250	100	308614	2.136,60
250	125	308615	2.163,40
250	150	308616	2.163,40
250	200	308617	2.247,60
300	80	308619	upon request
300	100	767014	upon request
300	125	308621	upon request
300	150	308622	2.449,00
300	200	308623	2.474,60
300	250	308624	upon request
300	300	308626	2.628,40
400	250	308627	upon request
400	300	308628	upon request
400	400	308629	upon request

Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK

Düker Novo Fitting Type S

PN 10/16, face-to-face dimension 800 mm for water

Smooth pipe with spigots according to EN 545.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177



Field of application: Drinking water up to +60 °C

DN	Item no.	Price in €
80	308631	372,10
100	777035	460,00
150	777036	639,40
200	777037	777,30

Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK

Düker Novo Collar Type U

PN 10/16 for water according to EN 545

- Collar with double-chamber sockets on both sides, plug-in sockets according to DIN 28603 TYTON® with pre-chamber.
- Collar one side double-chamber socket, plug-in socket according to DIN 28603 TYTON® with pre-chamber; one side SMU screw-gland socket.

Material

- EN-GJS-500-7

Surface protection

- inside and outside Düker etec enamel as per EN ISO 11177



Field of application: Drinking water up to +60 °C

Socket version	DN	Item no.	Price in €
NOVO-SIT®	80	567381	364,90
NOVO-SIT®	100	567095	377,10
NOVO-SIT®	150	864025	560,10
NOVO-SIT®	200	864194	718,70
SMU / NOVO-SIT®	80	567443	364,90
SMU / NOVO-SIT®	100	567094	377,10
SMU / NOVO-SIT®	150	567351	560,10
SMU / NOVO-SIT®	200	570514	718,70

Upon request:

- Inside and outside epoxy blue RAL 5005 according to GSK

Item	Socket version	DN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged-socket duckfoot bends (EN)	NOVO-SIT®	80	860982	247,70	726325	273,30
	NOVO-SIT®	100	860990	290,40	860989	320,90




Item	Socket version	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged sockets (EU)	NOVO-SIT®	80	40	856704	144,00	726327	159,80
	NOVO-SIT®	100	16	856736	168,40	876409	185,50
	NOVO-SIT®	125	16	856781	215,90	705065	239,20
	NOVO-SIT®	150	16	856816	258,60	705067	284,40
	NOVO-SIT®	200	10	857482	370,90	720407	408,80
	NOVO-SIT®	200	16	875556	407,60	781001	450,30
	NOVO-SIT®	250	10	879048	533,30	722067	586,90
	NOVO-SIT®	250	16	704611	586,90	307505	645,40
	NOVO-SIT®	300	10	866736	746,70	769804	823,70
	NOVO-SIT®	300	16	866743	821,20	792490	906,60
	NOVO-SIT®	400	10	873591	1.599,70	777772	1.763,20
	NOVO-SIT®	400	16	708780	1.759,50	771729	1.940,10
	NOVO-SIT®	500	10	857823	2.451,40	777622	2.705,20
	NOVO-SIT®	500	16	707602	2.696,70	307522	2.976,10
	NOVO-SIT®	600	10	857907	3.517,90	761347	4.073,10
	NOVO-SIT®	600	16	857921	3.869,30	307526	4.480,60
	NOVO-SIT®	700	10	704398	5.991,20	307531	6.606,20
	NOVO-SIT®	800	10	709352	6.042,50	307535	6.661,10
	NOVO-SIT®	800	16	773316	6.217,70		





Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends (MK)	NOVO-SIT®	80	11°	862363	203,70	722066	223,30
	NOVO-SIT®	100	11°	862975	230,60	707078	255,10
	NOVO-SIT®	125	11°	705111	285,50	707081	314,80
	NOVO-SIT®	150	11°	863717	351,50	707082	388,00
	NOVO-SIT®	200	11°	862979	543,00	874007	597,90
	NOVO-SIT®	250	11°	863122	790,70	724713	871,20
	NOVO-SIT®	300	11°	705112	1.121,40	764464	1.236,10
	NOVO-SIT®	80	22°	862876	211,10	307886	233,00
	NOVO-SIT®	100	22°	863012	231,80	707072	256,30
	NOVO-SIT®	125	22°	705109	317,20	707076	349,00
	NOVO-SIT®	150	22°	863750	450,30	707077	495,40
	NOVO-SIT®	200	22°	863024	768,80	724710	846,80
	NOVO-SIT®	250	22°	863165	772,40	720809	851,70
	NOVO-SIT®	300	22°	705110	1.097,00	764463	1.209,20




NOVO-SIT®: prices are without connection material

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends (MK) 	NOVO-SIT®	80	30°	862895	203,70	307889	223,30
	NOVO-SIT®	100	30°	863101	269,70	707064	296,50
	NOVO-SIT®	125	30°	705132	382,00	707065	422,20
	NOVO-SIT®	150	30°	862882	539,30	707066	594,20
	NOVO-SIT®	200	30°	863052	639,40	724711	702,80
	NOVO-SIT®	250	30°	863197	960,30	724714	1.057,90
	NOVO-SIT®	300	30°	705133	1.364,20	764462	1.503,30


Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends (MK) 	NOVO-SIT®	80	45°	873482	273,30	307892	301,40
	NOVO-SIT®	100	45°	863149	341,60	723213	375,80
	NOVO-SIT®	125	45°	703302	372,10	707062	409,90
	NOVO-SIT®	150	45°	862929	510,00	707063	562,60
	NOVO-SIT®	200	45°	863071	855,30	723553	942,00
	NOVO-SIT®	250	45°	960,30	809,80	719293	1.057,90
	NOVO-SIT®	300	45°	705131	1.364,20	764461	1.503,30

Item	Socket version	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA) 	NOVO-SIT®	80	40	40	753654	303,80	309347	338,00
	NOVO-SIT®	80	50	40	721264	307,50	309348	340,40
	NOVO-SIT®	80	80	40	704091	270,80	726324	298,90
	NOVO-SIT®	100	40	40	704405	275,80	741250	303,80
	NOVO-SIT®	100	50	40	721265	275,80	307897	303,80
	NOVO-SIT®	100	80	40	860171	287,90	727038	317,20
	NOVO-SIT®	100	100	16	860220	302,60	709681	334,30
	NOVO-SIT®	125	40	40	721267	357,50	705047	395,40
	NOVO-SIT®	125	50	40	721311	374,60	705049	413,60
	NOVO-SIT®	125	80	40	860295	357,50	798333	395,40
	NOVO-SIT®	125	100	16	704092	377,10	705046	417,30
	NOVO-SIT®	125	125	16	704093	403,90	307906	445,40
	NOVO-SIT®	150	40	40	721312	471,00	705052	516,20
	NOVO-SIT®	150	50	40	721313	540,50	876410	595,50
	NOVO-SIT®	150	80	40	860464	482,00	703022	532,00
	NOVO-SIT®	150	100	16	860485	486,90	705050	536,90
	NOVO-SIT®	150	125	16	721314	571,10	307916	632,00
	NOVO-SIT®	150	150	16	705736	495,40	307919	544,20
	NOVO-SIT®	200	40	40	717055	872,40	741251	962,80
	NOVO-SIT®	200	50	40	742342	686,90	781000	755,40
	NOVO-SIT®	200	80	40	860571	704,00	727037	776,00
	NOVO-SIT®	200	100	16	860592	705,30	738573	778,50
	NOVO-SIT®	200	150	16	861007	751,70	307928	829,70
	NOVO-SIT®	200	200	10	705737	835,90	783729	921,30
	NOVO-SIT®	200	200	16	706877	920,10	790417	1.014,00
	NOVO-SIT®	250	80	40	861059	885,90	307952	1.101,90
	NOVO-SIT®	250	100	16	879607	890,80	307937	983,50
NOVO-SIT®	250	150	16	861096	985,90	307942	1.088,50	
NOVO-SIT®	250	200	10	866195	1.086,00	307945	1.198,30	
NOVO-SIT®	250	200	16	749663	1.194,60			
NOVO-SIT®	250	250	10	742343	1.273,90	792729	1.446,00	
NOVO-SIT®	250	250	16	737140	1.400,80			


NOVO-SIT®: prices are without connection material

Item	Socket version	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA) 	NOVO-SIT®	300	80	40	878389	1.177,50	784510	1.298,40
	NOVO-SIT®	300	100	16	861150	1.179,90	777537	1.300,70
	NOVO-SIT®	300	150	16	861174	1.226,30	769806	1.312,90
	NOVO-SIT®	300	200	10	866304	1.293,40	792731	1.537,40
	NOVO-SIT®	300	200	16	702691	1.422,70	307958	1.691,20
	NOVO-SIT®	300	250	10	742344	1.679,00	307960	1.849,90
	NOVO-SIT®	300	250	16	716515	1.847,40	786574	2.035,30
	NOVO-SIT®	300	300	10	742345	1.727,90	307962	1.849,90
	NOVO-SIT®	300	300	16	702692	1.901,10		
	NOVO-SIT®	400	80	40	709765	2.318,40	784509	2.556,40
	NOVO-SIT®	400	100	16	709240	2.324,40	307972	2.562,40
	NOVO-SIT®	400	150	16	740032	2.353,70	790399	2.926,00
	NOVO-SIT®	400	200	10	744392	2.761,30	790400	3.282,40
	NOVO-SIT®	400	200	16	709763	3.037,10	307977	3.610,60
	NOVO-SIT®	400	300	10	742346	3.012,70	307982	3.322,70
	NOVO-SIT®	400	300	16	725723	3.314,10		
	NOVO-SIT®	400	400	10	708231	3.254,20	307984	3.694,80
	NOVO-SIT®	400	400	16	725726	3.580,10	307985	4.064,50
	NOVO-SIT®	500	80	40	878957	5.218,80	308009	5.753,20
	NOVO-SIT®	500	100	16	878958	5.218,80	778757	5.753,20
	NOVO-SIT®	500	150	16	707614	5.487,30	307993	6.049,80
	NOVO-SIT®	500	200	10	710120	5.487,30	307996	6.049,80
	NOVO-SIT®	500	200	16	707619	6.036,40	307997	6.655,10
	NOVO-SIT®	500	300	10	732984	6.437,80	777621	7.096,80
	NOVO-SIT®	500	300	16	742349	7.082,10		
	NOVO-SIT®	500	400	10	742347	6.936,90	308002	7.649,50
	NOVO-SIT®	500	400	16	742350	7.631,20		
	NOVO-SIT®	500	500	10	742348	7.011,30	303996	8.118,00
	NOVO-SIT®	500	500	16	742351	7.712,90	308005	8.929,50
	NOVO-SIT®	600	100	16	721017	6.609,90	308012	7.287,10
	NOVO-SIT®	600	150	16	718284	6.609,90	308015	7.287,10
	NOVO-SIT®	600	200	10	710236	6.609,90	308018	7.287,10
	NOVO-SIT®	600	200	16	742352	7.271,20		
NOVO-SIT®	600	250	10	742358	7.627,60	308022	8.409,70	
NOVO-SIT®	600	250	16	742353	8.390,20			
NOVO-SIT®	600	300	10	742359	7.627,60	308025	8.409,70	
NOVO-SIT®	600	300	16	742354	8.390,20			
NOVO-SIT®	600	400	10	742360	8.752,50	308028	9.648,20	
NOVO-SIT®	600	400	16	742355	9.627,40			
NOVO-SIT®	600	500	10	742361	9.521,30	308030	10.497,50	
NOVO-SIT®	600	500	16	742356	10.473,10			
NOVO-SIT®	600	600	10	710887	9.521,30	308032	10.497,50	
NOVO-SIT®	600	600	16	742357	10.473,10			
NOVO-SIT®	700	150	16	724639	10.330,30	308039	11.388,30	
NOVO-SIT®	700	200	10	744408	10.330,30	308041	11.388,30	
NOVO-SIT®	700	400	10	744409	12.379,00	308045	13.646,80	
NOVO-SIT®	700	500	10	744410	13.003,80	308047	14.337,50	
NOVO-SIT®	700	600	10	744411	13.003,80	308049	14.337,50	
NOVO-SIT®	700	700	10	704397	14.289,90	308051	15.755,30	


NOVO-SIT®: prices are without connection material


Item	Socket version	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All socket tees (MMB) 	NOVO-SIT*	80	80	861128	291,60	726326	320,90
	NOVO-SIT*	100	80	861154	295,30	714766	325,70
	NOVO-SIT*	100	100	861175	301,40	722569	331,90
	NOVO-SIT*	125	80	704094	369,70	308080	406,40
	NOVO-SIT*	125	100	704095	374,60	707116	411,20
	NOVO-SIT*	125	125	703303	429,50	705054	474,70
	NOVO-SIT*	150	80	861325	460,00	861304	507,60
	NOVO-SIT*	150	100	861339	463,70	876407	511,30
	NOVO-SIT*	150	125	704387	590,50	705057	650,40
	NOVO-SIT*	150	150	707191	518,60	861362	571,10
	NOVO-SIT*	200	80	742233	654,00	861468	719,90
	NOVO-SIT*	200	100	861476	660,10	873763	726,10
	NOVO-SIT*	200	125	704386	804,10	705058	885,90
	NOVO-SIT*	200	150	711115	724,80	719634	800,40
	NOVO-SIT*	200	200	707192	807,80	719347	890,80
	NOVO-SIT*	250	80	742232	978,70	308120	1.077,40
	NOVO-SIT*	250	100	742362	978,70	308109	1.079,90
NOVO-SIT*	250	150	742231	1.071,40	722162	1.216,50	
NOVO-SIT*	250	200	742230	1.173,80	305113	1.294,70	
NOVO-SIT*	250	250	711111	1.178,70	720808	1.299,50	
NOVO-SIT*	300	80	719239	1.344,70	767010	1.482,50	
NOVO-SIT*	300	100	742363	1.384,90	776875	1.483,80	
NOVO-SIT*	300	150	719241	1.403,30	776876	1.502,10	
NOVO-SIT*	300	200	717703	1.554,50	767011	1.664,40	
NOVO-SIT*	300	250	742364	1.843,70	308131	2.032,90	
NOVO-SIT*	300	300	719242	1.910,80	308134	2.046,30	
NOVO-SIT*	400	100	738039	3.470,30	308148	3.827,80	
NOVO-SIT*	400	150	720866	3.471,50	771732	3.827,80	
NOVO-SIT*	400	200	738114	3.480,00	308151	3.835,10	
NOVO-SIT*	400	250	737496	3.567,90	308154	4.048,60	
NOVO-SIT*	400	300	742365	3.742,30	308156	4.128,00	
NOVO-SIT*	400	400	720867	5.251,80	308158	5.788,70	
NOVO-SIT*	500	100	742366	4.689,20	308162	5.170,10	
NOVO-SIT*	500	200	701271	6.384,10	308165	7.036,90	
NOVO-SIT*	500	300	719685	6.325,50	308167	6.974,80	
NOVO-SIT*	500	400	742367	6.987,00	308169	7.704,40	
NOVO-SIT*	500	500	701272	7.782,50	308171	8.580,50	
NOVO-SIT*	600	600	715732	10.715,90	308175	11.814,10	
NOVO-SIT*	700	250	744412	10.571,90	308179	11.654,20	
NOVO-SIT*	700	300	744413	10.685,40	308181	11.781,10	
NOVO-SIT*	700	400	744414	10.890,30	308183	12.006,90	
NOVO-SIT*	700	700	744415	13.907,90	308185	15.333,10	


NOVO-SIT®: prices are without connection material

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends (MMK) 	NOVO-SIT®	80	11°	861744	153,80	304725	167,20
	NOVO-SIT®	100	11°	862191	168,40	875339	186,60
	NOVO-SIT®	125	11°	862441	211,10	875344	233,00
	NOVO-SIT®	150	11°	862962	261,10	862959	287,90
	NOVO-SIT®	200	11°	863582	401,40	717359	441,70
	NOVO-SIT®	250	11°	863783	538,10	717362	593,00
	NOVO-SIT®	300	11°	878390	782,20	764460	861,50
	NOVO-SIT®	400	11°	709242	1.488,70	778756	1.642,40
	NOVO-SIT®	500	11°	878948	3.592,30	777619	3.962,10
	NOVO-SIT®	600	11°	864997	5.543,40	308250	6.112,10
	NOVO-SIT®	700	11°	710093	10.127,70	308264	9.709,30
	NOVO-SIT®	800	11°	709354	10.125,30	308277	11.163,70
	NOVO-SIT®	80	22°	861790	164,70	308273	183,10
	NOVO-SIT®	100	22°	862251	183,10	700739	202,50
	NOVO-SIT®	125	22°	862459	223,30	873908	246,50
	NOVO-SIT®	150	22°	862996	283,10	873913	312,30
	NOVO-SIT®	200	22°	863625	432,00	873924	477,10
	NOVO-SIT®	250	22°	864521	584,50	717361	643,10
	NOVO-SIT®	300	22°	878381	857,80	764459	946,90
	NOVO-SIT®	400	22°	873930	1.653,40	778753	1.821,80
	NOVO-SIT®	500	22°	864914	3.913,20	777618	4.314,60
NOVO-SIT®	600	22°	865014	6.058,40	780705	6.680,70	
NOVO-SIT®	700	22°	717614	10.634,10	308266	10.658,50	
NOVO-SIT®	800	22°	709575	10.470,60	308279	11.543,10	
NOVO-SIT®	80	30°	861830	167,20	304726	185,50	
NOVO-SIT®	100	30°	862370	188,00	875341	207,40	
NOVO-SIT®	125	30°	862891	230,60	701697	251,40	
NOVO-SIT®	150	30°	863033	287,90	873916	317,20	
NOVO-SIT®	200	30°	863677	446,60	873928	490,60	
NOVO-SIT®	250	30°	864536	601,60	720810	663,80	
NOVO-SIT®	300	30°	864604	893,20	764458	984,70	
NOVO-SIT®	400	30°	709241	1.724,20	778755	1.901,10	
NOVO-SIT®	500	30°	864945	3.922,90	777617	4.325,60	
NOVO-SIT®	600	30°	709603	6.208,50	780704	6.845,40	
NOVO-SIT®	700	30°	710095	10.417,00	308268	10.938,00	
NOVO-SIT®	800	30°	713459	13.181,90	308281	13.212,40	


NOVO-SIT®: prices are without connection material

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends (MMK) 	NOVO-SIT®	80	45°	862145	176,90	304727	194,00
	NOVO-SIT®	100	45°	862410	194,00	873904	214,80
	NOVO-SIT®	125	45°	862921	242,90	873909	267,30
	NOVO-SIT®	150	45°	863140	301,40	863137	331,90
	NOVO-SIT®	200	45°	863734	473,50	863732	521,00
	NOVO-SIT®	250	45°	864559	710,20	717360	782,20
	NOVO-SIT®	300	45°	864618	961,60	754037	1.061,50
	NOVO-SIT®	400	45°	873931	1.858,40	771728	2.048,70
	NOVO-SIT®	500	45°	864965	4.128,00	777616	4.550,10
	NOVO-SIT®	600	45°	865036	6.572,10	308257	7.244,40
	NOVO-SIT®	700	45°	704395	12.044,70	308270	12.647,50
	NOVO-SIT®	800	45°	713461	14.064,20	308283	12.920,80

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends 90° (MMQ) 	NOVO-SIT®	80	90°	865324	191,60	308306	212,30
	NOVO-SIT®	100	90°	863545	223,30	701698	246,50
	NOVO-SIT®	125	90°	863564	302,60	701699	334,30
	NOVO-SIT®	150	90°	863771	361,20	874557	397,80
	NOVO-SIT®	200	90°	863802	585,70	719642	645,40
	NOVO-SIT®	250	90°	707189	844,40	724715	931,00
	NOVO-SIT®	300	90°	864788	1.358,10	778595	1.497,20
	NOVO-SIT®	400	90°	864846	3.624,00	786080	3.994,90
	NOVO-SIT®	500	90°	864896	5.643,40	308297	6.223,10
	NOVO-SIT®	600	90°	864922	8.406,00	308300	9.266,20
	NOVO-SIT®	700	90°	710096	15.759,00	308304	15.108,70
	NOVO-SIT®	800	90°	724135	14.436,30	308308	15.915,10

Item	Socket version	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tapers (MMR) 	NOVO-SIT®	100	80	704096	188,00	777167	207,40
	NOVO-SIT®	150	80	724695	328,20	304733	363,60
	NOVO-SIT®	150	100	863684	336,80	703021	369,70
	NOVO-SIT®	150	125	704099	334,30	719897	368,60
	NOVO-SIT®	200	100	701335	468,50	724716	516,20
	NOVO-SIT®	200	125	707193	798,10	719650	880,90
	NOVO-SIT®	200	150	707195	451,40	717366	499,10
	NOVO-SIT®	250	125	742381	1.021,00	724717	1.125,40
	NOVO-SIT®	250	150	877247	672,40	719649	688,30
	NOVO-SIT®	250	200	707194	644,30	717364	710,20
	NOVO-SIT®	300	150	742382	867,50	724578	956,60
	NOVO-SIT®	300	200	742383	873,70	874013	961,60
	NOVO-SIT®	300	250	876364	921,30	717365	1.015,20

NOVO-SIT®: prices are without connection material

Item	Socket version	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tapers (MMR) 	NOVO-SIT®	400	250	722928	1.803,50	761547	1.989,00
	NOVO-SIT®	400	300	700822	1.908,50	767009	2.102,50
	NOVO-SIT®	500	300	742384	4.395,20	308356	4.844,20
	NOVO-SIT®	500	400	731266	4.682,00	777668	5.162,70
	NOVO-SIT®	600	400	744417	6.168,20	308359	6.797,80
	NOVO-SIT®	600	500	724118	6.047,30	780706	6.667,30
	NOVO-SIT®	700	600	744418	8.340,10	308363	8.756,20
	NOVO-SIT®	800	600	744419	9.186,90	308368	10.128,90

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends 90° (M0) 	NOVO-SIT®	80	90°	705124	268,50	308388	296,50
	NOVO-SIT®	100	90°	705125	327,00	707059	361,20
	NOVO-SIT®	125	90°	705126	421,00	707060	462,50
	NOVO-SIT®	150	90°	705127	539,30	724708	594,20
	NOVO-SIT®	200	90°	705128	813,80	724712	896,80
	NOVO-SIT®	250	90°	705129	2.333,00	308381	2.572,20
	NOVO-SIT®	300	90°	705130	2.998,10	783075	3.304,30

NOVO-SIT®: prices are without connection material

Düker Thrust-resisting Joint System NOVO-SIT®

for cast iron and steel pipes, PN 10/16/25, for water restrained connection according to EN 545

Internal thrust-resisting joint for the plug-in socket connection for cast iron and steel pipe consisting of: TYTON® gasket and NOVO-SIT® ring with vulcanized metal segments, elastomers EPDM, according to material approval W 270.



Material

- TYTON® gasket – EPDM
- Thrust-resisting joint ring – EPDM
- Stainless steel segments

Item no.	DN	PFA [bar]	Pressure class	No. of segments	Price in €
874590	80	60	C 100	5	51,10
874591	100	56	C 100	6	60,10
874593	125	25	C 100	7	73,20
874594	125	52	C 100	10	upon request
874595	150	48	C 100	12	90,20
874597	200	43	C 64	18	128,10
874599	250	40	C 64	26	167,20
874601	300	40	C 50	30	235,50
874604	350	25	C 50	32	upon request
874605	400	16	C 50	25	536,90
874606	400	25	C 50	36	upon request
874608	450	25	C 40	40	upon request
874609	500	16	C 40	35	984,70
874610	500	25	C 40	50	upon request
874611	600	16	C 40	45	1.198,30
874612	600	25	C 40	60	upon request
874613	700	10	C 40	62	1.847,40
874614	800	10	C 40	70	1.959,70
774928	800	16	C 40	88	upon request

Düker Thrust-resisting Joint System NOVO-Grip® III and NOVO-Grip® PVC

NOVO-Grip® III for PE pipes PN 10/16 for water
NOVO-Grip® PVC for PVC pipes PN 10/16 for water
restrained connection

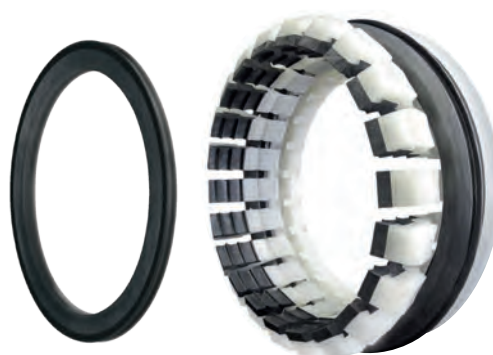
Internal thrust-resisting joint for the plug-in socket connection for PE/PVC pipes consisting of: GKS gasket and NOVO-Grip® III / PVC ring, elastomers and plastic parts according to material approval W 270.

Material

- GKS gasket – EPDM
- locking ring – POM

NOVO-Grip® III for PE pipes

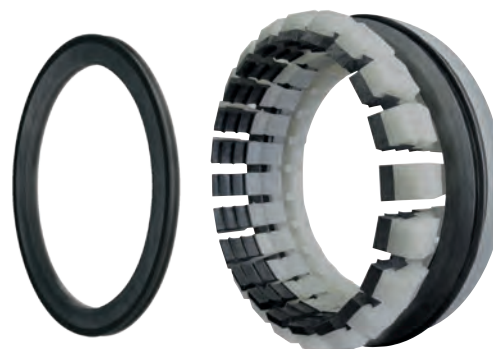
Item no.	DN	Diameter	Price in €
754347	80	90	63,40
754348	100	110	74,50
754349	150	160	91,50



NOVO-Grip® III for PE pipes

NOVO-Grip® PVC for PVC pipes

Item no.	DN	Diameter	Price in €
312083	80	90	116,00
312122	100	110	150,10
312123	150	160	189,10



NOVO-Grip® PVC for PVC pipes

Note:

When mounting a NOVO-Grip® connection it is necessary to use a support sleeve.

Stainless steel support sleeve for the use with PE-100

Item no.	Dimensions	Price in €
771184	90 x 8.2 SDR 11	53,70
771183	90 x 5.4 SDR 17	53,70
771187	110 x 10.0 SDR 11	56,20
771186	110 x 6.6 SDR 17	56,20
771196	160 x 14.6 SDR 11	79,30
771195	160 x 9.5 SDR 17	79,30
771201	225 x 20,5 SDR 11	89,20
771200	225 x 13.4 SDR 17	91,50



Düker PE Adapter Piece for Novo Sockets

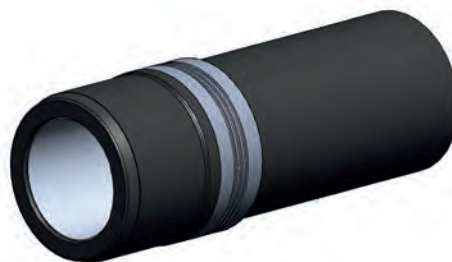
PN 10/16, for water, cast iron on PE

Connector ensuring tensile strength for fittings, gate valves
and butterfly valves for plug-in sockets NOVO-SIT®

PE adapter piece with factory-mounted support sleeve,
circumferential retaining ring for holding the locking
segments, PE spigot for all common welding methods SDR 11.

Material

- Fitting made of PE 100 black
- Support sleeve and retaining ring made of stainless steel



Item no. PE 100	DN	Diameter	Wall thickness	Price in €
557807	80	90	8,2	313,60
557808	100	110	10	395,40
557809	100	125	11,4	475,90
557810	125	140	12,8	541,80
557811	150	160	14,6	634,50
557859	150	180	16,4	660,10
557860	200	200	18,2	660,10
557861	200	225	20,5	660,10
571168	200	250	22,7	1.132,30
561240	300	315	28,6	1.571,70
561241	300	355	32,2	1.732,70

Larger diameters on request

Düker Laying Equipment V 300 D

for fittings and valves

All-purpose laying equipment V 300 D for the installation of cast iron and PE pipes, fittings and valves for plug-in sockets as per DIN 28603 TYTON® and DIN 28603 TYTON® with Novo pre-chamber.

Laying equipment consisting of: 1 clamp with crank pin (for the pipe side), 1 clamp for lever rods (on the socket), 1 pair of inserts (except DN 200)

The inserts serve to compensate for diameter differences and are included automatically for DN 80 up to DN 150. For DN 200 they are not required.

Laying equipment

Item no.	for socket DN	for ductile iron pipe DN	for ductile iron pipe DE	for PE pipe da	Price in €
555471	80	80	98	90	1.730,20
552965	100	100	118	110	1.935,30
555483	125	125	144	140	2.087,80
553372	150	150	170	160	2.114,70
554077	200	200	222	225	2.261,00
555491	250	250	274	-	2.333,00
557107	300	300	326	-	2.518,60



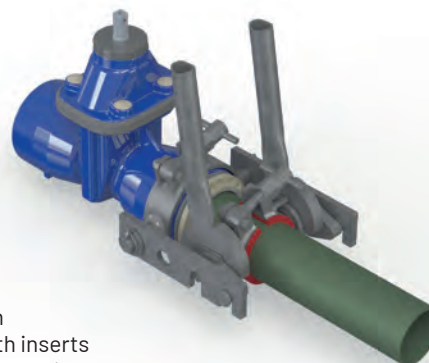
For the operation of the laying equipment, two lever rods AF 60 are required: lever rod per piece (two pieces are required), universally suitable for all DN

Item no.	Price in €
552971	128,10



Laying equipment including two lever rods

Item no.	for socket DN	for ductile iron pipe DN	for ductile iron pipe DE	for PE pipe da	Price in €
327009	80	80	98	90	1.986,50
327010	100	100	118	110	2.191,50
327014	125	125	144	140	2.344,00
327015	150	150	170	160	2.370,80
327016	200	200	222	225	2.517,30
327017	250	250	274	-	2.589,20
327019	300	300	326	-	2.774,70



Example:
Installation of a plastic pipe DE 110 with NOVO-Grip® III thrust-resisting joint with inserts (shown in red here) below the clamp on the pipe. When installing a ductile iron pipe DN 100 (outside diameter 118 mm) with NOVO-SIT® thrust-resisting joint use the clamp on the pipe without inserts.

Plug-in Sockets Dismantling Equipment

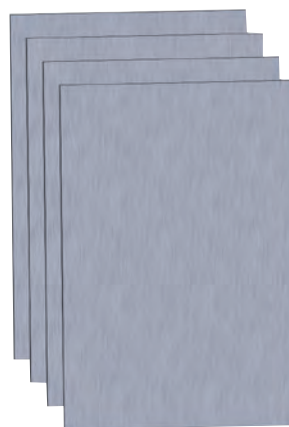
Unlocking plates – reusable for the dismantling of NOVO-SIT®, NOVO-Grip®, TYTON® SIT® and TYTON SIT PLUS® connections

Unlocking plates

Item no.	Price/item in €
570235	6,40

Number of unlocking plates needed

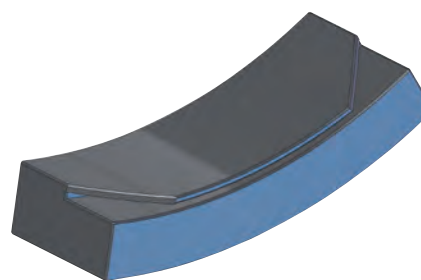
DN	Pieces per set
80	4
100	4
125	5
150	6
200	8
250	10
300	12
400	16
500	19
600	23



Striking members

Reusable striking members for holding the unlocking plates

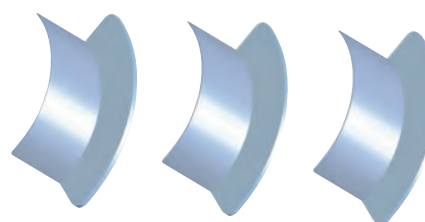
Item no.	DN	Price/item in €
570232	80-100	78,10
570233	125-150	78,10
570234	200-1000	78,10



Unlocking plates for plug-in hydrants DN 80

Item no.	DN	Price/item in €
561419	80	51,10

Set: 3 pieces (required)



Düker Flap Valves Fig. 125

**PN 10/16, with flange
epoxy finish for water**

Material

- Body and cover in EN-GJS-500-7 (JS 1050)
- Brass flap shaft
- Elastomer flap sealing

Surface protection

- inside and outside epoxy black RAL 9005 according to the GSK guidelines

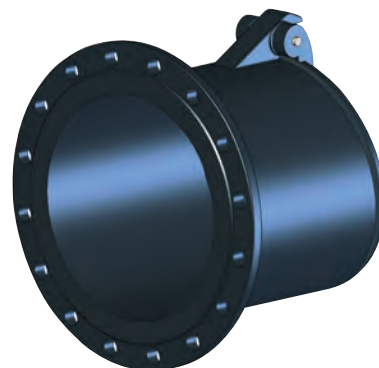


Fig. 125 with flange connection

Field of application: Drinking water up to +60 °C

Nominal diameter DN	Nominal pressure PN	Test pressure in bar (water)
		Body
200-400	10	15
50-400	16	24

Item no.	DN	PN	Face-to-face dimension standard	Price in €
579504	50	16	210	998,10
579508	65	16	210	1.095,70
579512	80	16	210	422,20
579516	100	16	250	300,10
579520	125	16	250	576,00
579524	150	16	280	549,20
579528	200	10	300	617,50
579529	200	16	300	617,50
579532	250	10	350	804,10
571057	250	16	350	860,40
579536	300	10	360	1.341,00
572324	300	16	360	1.341,00
579537	350	10	390	2.921,20
781753	350	16	390	2.921,20
579538	400	10	390	2.662,50
571162	400	16	390	2.662,50

Cast Iron Hand Wheel DIN 3220 for Gate Valves

Material black varnished GG20
delivered including bolt set

Item no.	DN	SW	Diameter mm	Price in €
769541	40 / 50	14 / 17	200	48,60
769578	65 / 80	17 / 19	250	52,40
769539	100 - 150	19 / 22	315	60,10
769538	175 / 200	24 / 27	400	97,60
769582	250 / 300	27 / 32	500	240,40



Steel Plate Hand Wheel

blue varnish
delivered including bolt set

Item no.	DN	SW	Diameter mm	Price in €
315098	350, 400, 450, 500, 600	32 / 36	400	319,70



Operating keys

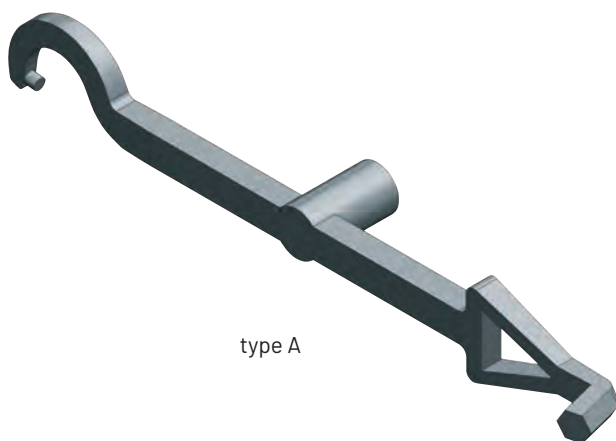
DIN 3223 A, B, C, E

Item no.	DIN 3223		Length x Width	Price in €
769159	form A	Pillar hydrant	small	43,90
769161	form B	Pillar hydrant	large	205,00
769162	form C	Underground hydrants and valves	1100 x 420	96,40
769165	form E	Tapping valves	750 x 320	84,20
769166	form E	Tapping valves	1000 x 320	60,10
316605	form E	Tapping valves triangular	750 x 320	111,00

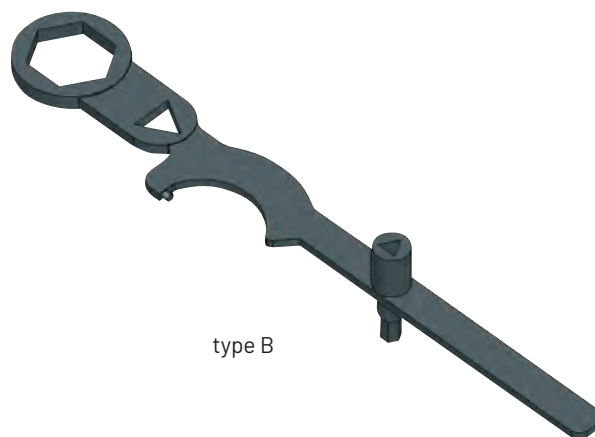
Additional operating keys upon request.



type C, E



type A



type B

Düker Telescopic Stem Extension Set with flange bell with a third protection tube for butterfly valves

Material

- Operating cap EN-GJS-400-15 galvanised
- Rods S235JR zinc-plated
- Coupling EN-GJS-400-15 galvanised
- Position indicator aluminum epoxy coated blue
- Centring cap – red, sealed against the operating cap
- Outer tube PE-HD

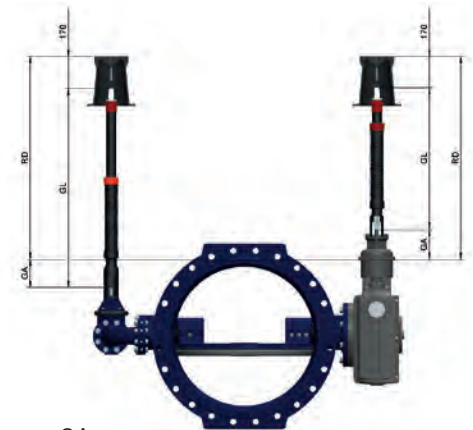


Rod length GL \approx pipe covering Rd

Item no.	Valve	Type	Pipe covering (Rd ca.) GL	Price in €
309291	100, 125, 150, 200, 250, 300, 350, 400, 450, 500, DN 600 PN 10 -	without position indicator 20 mm shaft	0,80 - 1,30 m	250,10
304429			1,00 - 1,50 m	262,30
304430			1,20 - 1,80 m	292,90
304431			1,70 - 2,70 m	361,20
305111			2,50 - 3,20 m	459,60
309292	100, 125, 150, 200, 250, 300, 350, 400, 450, 500 DN PN 16 -	with position indicator up to 47 turns 20 mm shaft	0,80 - 1,30 m	971,30
304419			1,00 - 1,50 m	983,50
304420			1,20 - 1,80 m	1.015,20
304421			1,70 - 2,70 m	1.083,60
305116			2,50 - 3,20 m	1.151,90
309291	800, 900, 1000, 1200 DN PN 10 -	without position indicator 20 mm shaft	0,80 - 1,30 m	250,10
304429			1,00 - 1,50 m	262,30
304430			1,20 - 1,80 m	292,90
304431			1,70 - 2,70 m	361,20
305111			2,50 - 3,20 m	459,60
304425	700, 800, 900, 1000 DN PN 16 -	with position indicator up to 47 turns 20 mm shaft	1,00 - 1,50 m	983,50
304427			1,20 - 1,80 m	1.015,20
304428			1,70 - 2,70 m	1.083,60
305119			2,50 - 3,20 m	1.324,69
304432			DN 700 PN 10 -	without position indicator 20 mm shaft
304436	1,20 - 1,80 m	292,90		
304439	1,70 - 2,70 m	361,20		
305112	2,50 - 3,20 m	429,50		
304423	DN 600 PN 16 -	with position indicator up to 47 turns 20 mm shaft		
304422			1,20 - 1,80 m	1.015,20
304424			1,70 - 2,70 m	1.083,60
305118			2,50 - 3,20 m	1.151,90
304138			Protecting cover for position indicator	

Stem Extension Sets for Butterfly Valves

Definition pipe covering



Definitions:

GL = rod length, RD = pipe covering, GA = rod contact point.

With the following formula and the GA value, the GL for the required RD can be calculated:

$$GL = RD - 170 \text{ mm} - GA$$

By changing the formula it is also possible to calculate the RD: $RD = GL + 170 \text{ mm} + GA$

DN	PN	GA butterfly valve	GL 0,80 - 1,30 m	GL 1,00 - 1,50 m	GL 1,20 - 1,80 m	GL 1,70 - 2,70 m	GL 2,50 - 3,20 m
			Rd Rd pipe covering ca.	Rd Rd pipe covering ca.	Rd Rd pipe covering ca.	Rd Rd pipe covering ca.	Rd Rd pipe covering ca.
100	10/16/25	146 mm	1,12 - 1,62 m	1,32 - 1,82 m	1,52 - 2,12 m	2,02 - 3,02 m	2,82 - 3,52 m
125	10/16/25	134 mm	1,10 - 1,60 m	1,30 - 1,80 m	1,50 - 2,10 m	2,00 - 3,00 m	2,80 - 3,50 m
150	10/16/25	121 mm	1,09 - 1,59 m	1,29 - 1,79 m	1,49 - 2,19 m	1,99 - 2,99 m	2,79 - 3,49 m
200	10/16	96 mm	1,07 - 1,57 m	1,27 - 1,77 m	1,47 - 2,07 m	1,97 - 2,97 m	2,77 - 3,47 m
200	25	150 mm	1,12 - 1,62 m	1,32 - 1,82 m	1,52 - 2,12 m	2,02 - 3,02 m	2,82 - 3,52 m
250	10	71 mm	1,04 - 1,54 m	1,24 - 1,74 m	1,44 - 2,04 m	1,94 - 2,94 m	2,74 - 3,44 m
250	16/25	126 mm	1,10 - 1,60 m	1,30 - 1,80 m	1,50 - 2,10 m	2,00 - 3,00 m	2,80 - 3,50 m
300	10/16/25	62 mm	1,03 - 1,53 m	1,23 - 1,73 m	1,43 - 2,03 m	1,93 - 2,93 m	2,73 - 3,43 m
350	10/16	75 mm	1,05 - 1,55 m	1,25 - 1,75 m	1,45 - 2,05 m	1,95 - 2,95 m	2,75 - 3,45 m
350	25	91 mm	1,06 - 1,56 m	1,26 - 1,76 m	1,46 - 2,06 m	1,96 - 2,96 m	2,76 - 3,46 m
400	10	11 mm	0,98 - 1,48 m	1,18 - 1,68 m	1,38 - 1,98 m	1,88 - 2,88 m	2,68 - 3,38 m
400	16/25	66 mm	1,04 - 1,54 m	1,24 - 1,74 m	1,44 - 2,04 m	1,94 - 2,94 m	2,74 - 3,44 m
450	10/16/25	41 mm	1,01 - 1,51 m	1,21 - 1,71 m	1,41 - 2,01 m	1,91 - 2,91 m	2,71 - 3,41 m
500	10/16	16 mm	0,99 - 1,49 m	1,19 - 1,69 m	1,39 - 1,99 m	1,89 - 2,89 m	2,69 - 3,39 m
500	25	141 mm	1,11 - 1,61 m	1,31 - 1,81 m	1,51 - 2,11 m	2,01 - 3,01 m	2,81 - 3,51 m
600	10	-34 mm	0,94 - 1,44 m	1,14 - 1,64 m	1,34 - 1,94 m	1,84 - 2,84 m	2,64 - 3,34 m
600	16	91 mm	1,06 - 1,56 m	1,26 - 1,76 m	1,46 - 2,06 m	1,96 - 2,96 m	2,76 - 3,46 m
600	25	296 mm	1,27 - 1,77 m	1,47 - 1,97 m	1,67 - 2,27 m	2,17 - 3,17 m	2,97 - 3,67 m
700	10	37 mm	1,01 - 1,51 m	1,21 - 1,71 m	1,41 - 2,01 m	1,91 - 2,91 m	2,71 - 3,41 m
700	16/25	216 mm	1,19 - 1,69 m	1,39 - 1,89 m	1,59 - 2,19 m	2,09 - 3,09 m	2,89 - 3,59 m
800	10/16	166 mm	1,14 - 1,64 m	1,34 - 1,84 m	1,54 - 2,14 m	2,04 - 3,04 m	2,84 - 3,54 m
800	25	94 mm	1,06 - 1,56 m	1,26 - 1,76 m	1,46 - 2,06 m	1,96 - 2,96 m	2,76 - 3,46 m
900	10	143 mm	1,11 - 1,61 m	1,31 - 1,81 m	1,51 - 2,11 m	2,01 - 3,01 m	2,81 - 3,51 m
900	16	45 mm	1,02 - 1,52 m	1,22 - 1,72 m	1,42 - 2,02 m	1,92 - 2,92 m	2,72 - 3,42 m
1000	10	43 mm	1,01 - 1,51 m	1,21 - 1,71 m	1,41 - 2,01 m	1,91 - 2,91 m	2,71 - 3,41 m
1000	16/25	49 mm	1,02 - 1,52 m	1,22 - 1,72 m	1,42 - 2,02 m	1,92 - 2,92 m	2,72 - 3,42 m
1200	10	-51 mm	0,92 - 1,42 m	1,12 - 1,62 m	1,32 - 1,92 m	1,82 - 2,82 m	2,62 - 3,32 m

Suitable stem extension sets for gate valves, for butterfly valves with bypass

Butterfly valve DN	PN	Bypass gate valve DN	GA Gate valve	GL 0,36 - 0,56 m	GL 0,60 - 1,01 m	GL 0,76 - 1,36 m	GL 0,91 - 1,60 m	GL 1,26 - 2,36 m
				Rd Rd pipe covering ca.	Rd Rd pipe covering ca.	Rd Rd pipe covering ca.	Rd Rd pipe covering ca.	Rd Rd pipe covering ca.
300	10/16	40	43 mm	0,57 - 0,77 m	0,81 - 1,22 m	0,97 - 1,57 m	1,12 - 1,81 m	1,47 - 2,57 m
400	10/16	40	-9 mm	0,52 - 0,72 m	0,76 - 1,17 m	0,92 - 1,52 m	1,07 - 1,76 m	1,42 - 2,52 m
500	10/16	50	-34 mm	0,50 - 0,70 m	0,74 - 1,15 m	0,90 - 1,50 m	1,05 - 1,74 m	1,40 - 2,50 m
600	10/16	50	-85 mm	0,45 - 0,65 m	0,69 - 1,10 m	0,85 - 1,45 m	1,00 - 1,69 m	1,35 - 2,45 m
700	10/16	80	-104 mm	0,43 - 0,63 m	0,67 - 1,08 m	0,83 - 1,43 m	0,98 - 1,67 m	1,33 - 2,43 m
800	10/16	80	-155 mm	0,37 - 0,57 m	0,61 - 1,02 m	0,77 - 1,37 m	0,92 - 1,61 m	1,27 - 2,37 m
1000	10/16	100	-236 mm	0,29 - 0,49 m	0,53 - 0,94 m	0,69 - 1,29 m	0,84 - 1,53 m	1,19 - 2,29 m

Düker Telescopic Stem Extension Set Quick with a third protection tube for tapping valve TOP type 1014

Thanks to an installation-friendly quick lock between the outer pipe, the stem extension set and the Düker Quick connection, the joint is restrained in one step!

Material

- Square operating cap EN-GJS-400-15 galvanised
- Coupling EN-GJS-400-15 galvanised (included in delivery)
- Rod S235JR zinc-plated
- Centring cap - red, sealed against the operating cap
- Outer tube PE-HD
- Outer tube bell for connection without pin



Item no.	Valve	Operating square	Connection Coupling	Rod length GL	Price in €
309152	Tapping valve TOP Typ 1014	DIN 3223 E	Square 20 x 20 mm flange bell Düker Quick	0,47 - 0,73 m	113,50
309153				0,62 - 1,02 m	113,50
309154				0,78 - 1,33 m	130,60
309155				0,93 - 1,63 m	135,40
309156				1,42 - 2,38 m	140,30

Watch a fascinating animation
about TOP 1014 and the
Düker Quick stem extension set!



Düker Telescopic Stem Extension Set GW 336-1 with a third protection tube DVGW tested

Düker tapping valve TOP, service valve 1004 and gate valve 2004 / 3004 / 4004 have a suitable connection for stem extension sets as per GW 336-1 as a standard. The coupling with an installation-friendly clip pin is delivered separately for gate valves DN 40 up to 350.

Material

- Square operating cap EN-GJS-400-15 galvanised
- Rod S235JR zinc-plated
- Centring cap - red, sealed against the operating cap
- Outer tube PE-HD
- Bell with additional drill hole PE



Item no.	Valve	Operating square	Connection Coupling	Rod length GL	Price in €	Note
305097	tapping valve service valve e.g. TOP and 1004	DIN 3223 E	square 20 x 20 mm bell Ø 80 mm	0,40 - 0,65 m	100,10	Delivery incl. coupling
304401				0,65 - 1,15 m	100,10	
304402				0,80 - 1,45 m	112,30	
304403				0,90 - 1,55 m	117,20	
304405				1,37 - 2,45 m	124,50	
304406	gate valve DN 40 - 150 e.g. 2004, 3004 and 4004	DIN 3223 C	square 25 x 25 mm bell Ø 80 mm	0,36 - 0,56 m	108,60	Delivery incl. coupling
304407				0,60 - 1,01 m	108,60	
304408				0,76 - 1,36 m	124,50	
304409				0,91 - 1,60 m	130,60	
304410				1,26 - 2,36 m	131,70	
304411	gate valve DN 200 - 300 e.g. 2004, 3004 and 4004	DIN 3223 C	square 30 x 30 mm bell Ø 100 mm	0,33 - 0,40 m	118,30	Delivery incl. coupling
304412				0,49 - 0,76 m	135,40	
304413				0,74 - 1,22 m	145,30	
304414				0,82 - 1,42 m	151,30	
304415				1,17 - 2,12 m	167,20	

Coupling Set

Stem extension sets as per GW 336-1

Item no.		Price in €
769671	tapping valve / service valve (SW 12)	24,30
769287	gate valve DN 40 / 50 (SW14)	24,30
769288	gate valve DN 65 / 80 (SW17)	28,20
769289	gate valve DN 100 - 150 (SW19)	28,20
769290	gate valve DN 200 (SW24)	32,00
769291	gate valve DN 250 - 300 (SW27)	34,50

Adapter Caps

Item no.		Price in €
720708	Adapter cap GW 336-1 for gate valve DN 40 / 50 / 65	12,80
722728	Adapter cap GW 336-1 for Top 1014	6,40

Stem Extension Sets for Gate Valves from DN 350

Düker stem extension set telescope T3 for gate valves
with corrugated protection tube
max. torque 500 Nm
Supplied incl. coupling



Item no.	Valve	Pipe covering Rd ca.	Rod length GL	Price in €
316269	Gate valve DN 350, 400, 450	1,40 - 1,60 m	0,56 - 0,84 m	447,80
316270		1,60 - 2,05 m	0,76 - 1,22 m	475,90
316271		2,00 - 2,90 m	1,20 - 2,09 m	544,20
316272		2,50 - 3,50 m	1,80 - 3,00 m	593,00
316273	Gate valve DN 500 - 600	1,45 - 1,65 m	0,53 - 0,76 m	628,40
316274		1,65 - 2,10 m	0,75 - 1,16 m	685,80
316275		2,10 - 2,70 m	1,13 - 1,86 m	741,80
316276		2,50 - 3,50 m	1,80 - 2,80 m	776,00

Stem Extension Sets as per DVGW worksheet GW 336-1

Definition pipe covering



Definitions:

GL = rod length, RD = pipe covering, GA = rod contact point.

With the following formula and the GA value, the GL for the required RD can be calculated:

$$GL = RD - 170 \text{ mm} - GA$$

By changing the formula it is also possible to calculate the RD:

$$RD = GL + 170 \text{ mm} + GAR$$

Service connection valve e.g. 1004 – DIN 3223 E square 20 x 20 mm bell Ø 80 mm

DN	GA Valve	GL 0,40 – 0,65 m Rd pipe covering ca.	GL 0,65 – 1,15 m Rd pipe covering ca.	GL 0,80 – 1,45 m Rd pipe covering ca.	GL 0,90 – 1,55 m Rd pipe covering ca.	GL 1,37 – 2,45 m Rd pipe covering ca.
25	115	0,69 – 0,94 m	0,94 – 1,44 m	1,09 – 1,74 m	1,19 – 1,84 m	1,66 – 2,74 m
32	130	0,70 – 0,95 m	0,95 – 1,45 m	1,10 – 1,75 m	1,20 – 1,85 m	1,67 – 2,75 m
40	127	0,70 – 0,95 m	0,95 – 1,45 m	1,10 – 1,75 m	1,20 – 1,85 m	1,67 – 2,75 m
50	148	0,72 – 0,97 m	0,97 – 1,47 m	1,12 – 1,77 m	1,22 – 1,87 m	1,69 – 2,77 m

Tapping valve TOP – DIN 3223 E square 20 x 20 mm bell Ø 80 mm

Valve	GA Valve	GL 0,40 – 0,65 m Rd pipe covering ca.	GL 0,65 – 1,15 m Rd pipe covering ca.	GL 0,80 – 1,45 m Rd pipe covering ca.	GL 0,90 – 1,55 m Rd pipe covering ca.	GL 1,37 – 2,45 m Rd pipe covering ca.
TOP	236	0,81 – 1,06 m	1,06 – 1,56 m	1,21 – 1,86 m	1,31 – 1,96 m	1,78 – 2,86 m

Tapping valve TOP 1014 – DIN 3223 E square 20 x 20 mm bell Ø 80 mm

Valve	GA Valve	GL 0,47 – 0,73 m Rd pipe covering ca.	GL 0,62 – 1,02 m Rd pipe covering ca.	GL 0,78 – 1,33 m Rd pipe covering ca.	GL 0,93 – 1,63 m Rd pipe covering ca.	GL 1,42 – 2,38 m Rd pipe covering ca.
TOP 1014	106	0,68 – 0,93 m	0,93 – 1,43 m	1,08 – 1,73 m	1,18 – 1,83 m	1,65 – 2,73 m

Gate valve DN 40 – 150 e.g. 2004, 3004 and 4004 – DIN 3223 C square 25 x 25 mm bell Ø 80 mm

DN	GA Valve	GL 0,36 – 0,56 m Rd pipe covering ca.	GL 0,60 – 1,01 m Rd pipe covering ca.	GL 0,76 – 1,36 m Rd pipe covering ca.	GL 0,91 – 1,60 m Rd pipe covering ca.	GL 1,26 – 2,36 m Rd pipe covering ca.
40	180	0,71 – 0,91 m	0,95 – 1,36 m	1,11 – 1,71 m	1,26 – 1,95 m	1,61 – 2,71 m
50	200	0,73 – 0,93 m	0,97 – 1,38 m	1,13 – 1,73 m	1,28 – 1,97 m	1,63 – 2,73 m
65	230	0,76 – 0,96 m	1,00 – 1,41 m	1,16 – 1,76 m	1,31 – 2,00 m	1,66 – 2,76 m
80	224	0,75 – 0,95 m	0,99 – 1,40 m	1,15 – 1,75 m	1,30 – 1,99 m	1,65 – 2,75 m
100	238	0,77 – 0,97 m	1,01 – 1,42 m	1,17 – 1,77 m	1,32 – 2,01 m	1,67 – 2,77 m
125	260	0,79 – 0,99 m	1,03 – 1,44 m	1,19 – 1,79 m	1,34 – 2,03 m	1,69 – 2,79 m
150	290	0,82 – 1,02 m	1,06 – 1,47 m	1,22 – 1,82 m	1,37 – 2,06 m	1,72 – 2,82 m

Butterfly valve DN 200 – 350 e.g. 2004, 3004 and 4004 – DIN 3223 C square 30 x 30 mm bell Ø 100 mm

DN	GA Valve	GL 0,33 – 0,40 m Rd pipe covering ca.	GL 0,49 – 0,76 m Rd pipe covering ca.	GL 0,74 – 1,22 m Rd pipe covering ca.	GL 0,82 – 1,42 m Rd pipe covering ca.	GL 1,17 – 2,12 m Rd pipe covering ca.
200	350	0,85 – 0,92 m	1,01 – 1,28 m	1,26 – 1,74 m	1,34 – 1,94 m	1,69 – 2,64 m
250	515	1,02 – 1,09 m	1,18 – 1,45 m	1,43 – 1,91 m	1,51 – 2,11 m	1,86 – 2,81 m
300	565	1,07 – 1,14 m	1,23 – 1,50 m	1,48 – 1,96 m	1,56 – 2,16 m	1,91 – 2,86 m
350	645	1,15 – 1,22 m	1,31 – 1,58 m	1,56 – 2,04 m	1,64 – 2,24 m	1,99 – 2,94 m

Dismantling Joint

Dismantling joint design "FA" -
lockable with continuous threaded rods
flange connection as per EN 1092-2
adjustable +/- 25 mm

Material

- Body: steel
- Profile sealing: EPDM
- Screw stay: zinc-plated, nuts A2
- Screw stay VA stainless steel: on request

Surface protection

- inside and outside powder epoxy coating
- inside enamel, outside epoxy: on request



Item no.	DN	PN	Construction length medium position	Adjustable +/-	Length of screw stay	No. of holes	Weight	Price in €
312397	80	16	200	25	310	8	17	480,70
312418	100	16	200	25	310	8	21	579,60
312419	125	16	200	25	310	8	26	721,10
312432	150	16	200	25	320	8	35	887,10
312435	200	10	220	25	340	8	49	1.178,70
312436	200	16	220	25	340	12	52	1.282,50
784315	250	10	220	25	360	12	64	1.574,10
312437	250	16	230	25	370	12	76	1.740,10
302078	300	10	220	25	360	12	73	1.743,60
312438	300	16	250	25	410	12	93	2.074,40
312439	350	10	230	25	360	16	96	2.267,20
312440	350	16	260	25	410	16	129	2.729,60
777932	400	10	230	25	370	16	124	2.739,40
312441	400	16	270	25	430	16	164	3.403,20
792511	500	10	260	25	390	20	160	3.555,70
312442	500	16	280	25	440	25	243	4.581,90
312443	600	10	260	25	410	25	207	5.433,60
312444	600	16	300	25	480	25	332	6.197,50
312445	700	10	260	25	410	24	259	6.980,80
312446	700	16	300	25	480	24	368	7.511,60
312447	800	10	290	25	460	24	354	8.526,90
312448	800	16	320	25	520	24	480	9.079,60
312449	900	10	290	25	460	28	407	9.597,00
312450	900	16	320	25	520	28	548	10.434,00
312451	1000	10	290	25	480	28	488	11.633,50
312452	1000	16	340	25	560	28	719	13.763,90

Item	Socket version	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket tees with spigot and flanged branch (A)	SMU	40	40	40	743112	913,50	307440	1.009,10
	SMU	80	40	40	743117	538,20	307443	592,80
	SMU	80	80	40	743122	585,40	307447	645,10
	SMU	100	40	40	743126	528,20	307408	581,70
	SMU	100	50	40	743129	536,90	307410	590,40
	SMU	100	80	40	743134	581,70	307414	641,30
	SMU	100	100	16	743138	548,10	307405	605,20
	SMU	125	40	40	743141	712,10	307418	785,40
	SMU	125	50	40	743144	540,60	307419	596,50
	SMU	125	80	40	743147	1.395,70	307420	1.538,60
	SMU	125	100	16	743151	746,90	307416	821,50
	SMU	150	100	16	743164	1.025,30	307421	1.131,00
	SMU	150	150	16	743169	856,30	307424	942,10
	TYT	80	40	40	742073	309,40	307444	341,80
TYT	80	80	40	706769	500,90	307448	551,80	
TYT	100	80	40	703995	446,20	307415	492,20	
TYT	100	100	16	740037	809,10	307406	892,30	
TYT	150	80	40	703996	708,40	307431	780,50	
TYT	150	100	16	703997	965,60	307422	1.063,80	
TYT	150	150	16	742074	1.434,30	307425	1.582,10	



Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket tees with spigot and socket branch (B)	SMU	SMU	40	40	743187	612,70	307475	676,10
	SMU	SMU	100	100	754104	540,60	307450	596,50



Item	Socket version	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanges sockets (E)	SMU	40	40	743210	upon request	307488	218,70



Item	Socket version	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged socket duckfoot bends (EN)	TYT	80	40	876739	254,70	703233	280,90
	TYT	100	16	874763	267,20	780329	294,60
	SMU	80	40	743248	551,80	307495	607,80
	SMU	100	16	743256	460,10	307493	476,00



Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Item	Socket version	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged socket bends 90° (E0)	SMU	40	40	743264	651,20	307499	718,40





Item	Socket version	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged sockets (EU)	SMU	40	40	743266	144,20	307514	166,60
	SMU	50	40	743270	210,00	307521	232,40
	SMU	65	16	743273	222,50	307530	246,00
	SMU	80	40	743278	160,30	309552	188,90
	SMU	100	16	743284	179,00	307500	211,20
	SMU	125	16	743293	244,80	307501	287,10
	SMU	150	16	743301	275,90	307502	323,10
	SMU	200	10	743314	380,30	307503	446,20
	SMU	200	16	743324	445,00	307504	491,00
	SMU	250	10	743335	642,60	307506	708,40
	SMU	250	16	743340	upon request	307507	707,20
	SMU	300	10	743351	809,90	307508	872,50
	SMU	300	16	743357	930,90	307509	959,50
	SMU	350	10	743366	1.271,50	307510	1.465,30
	SMU	350	16	743370	1.527,40	307511	1.685,20
	SMU	400	10	743377	1.472,80	307515	1.697,70
	SMU	400	16		upon request	307516	1.951,20

TYT		80	40	877729	115,70	758290	133,00
TYT		100	16	856767	120,50	754052	136,70
TYT		125	16	856805	175,50	769019	192,60
TYT		150	16	857475	193,90	711038	217,50
TYT		200	10	857507	288,60	754284	316,90
TYT		200	16	857521	297,00	774308	348,00
TYT		250	10	870061	412,30	775913	452,40
TYT		250	16	873575	423,80	304975	497,10
TYT		300	10	866772	585,20	754288	641,30
TYT		300	16	866796	600,30	764387	706,00
TYT		350	10	857553	960,70	307512	1.108,60
TYT		350	16	712229	1.157,10	307513	1.273,90
TYT		400	10	857741	1.096,20	774303	1.287,50
TYT		400	16	873578	1.344,80	307519	1.481,50
TYT		500	10	857871	1.749,90	307524	1.928,90
TYT		500	16	857880	2.587,60	307525	2.853,60
TYT		600	10	857937	2.581,20	307528	2.778,90
TYT		600	16	702851	3.590,60	307529	3.958,40
TYT		700	10	725570	5.475,90	307534	6.038,90
TYT		700	16	715382	6.298,70		upon request
TYT		800	10	709853	6.523,60	307538	7.192,20
TYT		800	16	715353	7.048,10		upon request
TYT		1000	10	737437	9.815,80	309553	10.822,50
TYT		1000	16	729759	10.601,40		upon request


Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)


Item	Socket version	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged sockets (EU) 	STB	400	10	754105	2.294,20	309554	2.643,50
	STB	400	16		upon request		upon request
	STB	500	10	754106	3.590,60	309555	3.958,40
	STB	500	16		upon request		upon request
	STB	600	10	754107	4.893,00	309556	5.393,90
	STB	600	16		upon request		upon request
	STB	700	10	754108	8.929,80	309557	9.845,60
	STB	700	16		upon request		upon request
	STB	800	10	754109	10.474,50	309558	11.547,10
	STB	800	16		upon request		upon request

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged spigots (F) 	40	40	300	870067	159,10	307552	175,30
	50	40	300	857639	152,90	307555	167,80
	65	16	400	870069	upon request	307560	236,10
	80	40	350	858405	139,50	758298	152,90
	100	16	360	856716	136,70	707068	172,90
	125	16	370	856849	252,30	707069	278,40
	150	16	380	875257	285,90	707070	294,60
	200	10	400	857499	376,30	724718	355,50
	200	16	400	877013	380,40	774283	390,20
	250	10	420	866505	555,60	724719	611,50
	250	16	420	703207	547,80	307547	590,40
	300	10	440	875258	643,60	742396	707,20
	300	16	440	706520	674,80	792491	778,10
	350	10	460	857544	1.610,70	307550	1.776,00
	350	16	460	712155	2.223,40	307551	2.450,90
	400	10	480	857573	1.328,60	774235	1.558,50
	400	16	480	875259	1.626,90	772520	1.793,30
	500	10	520	857607	2.802,60	777623	3.089,70
	500	16	520	707606	3.433,90	307557	3.784,40
	600	10	560	857616	3.431,50	873319	4.030,40
	600	16	560	712236	4.402,10	307559	4.853,20
	700	10	600	708825	6.091,10	307561	6.713,80
	700	16	600	712336	7.007,10		upon request
	800	10	600	704145	7.558,90	307563	8.331,90
	800	16	600	712342	8.691,10		upon request
	900	10	600	729507	11.103,40	307564	12.240,60
	900	16	600	773678	12.768,80		upon request
	1000	10	600	737436	11.916,30	307541	13.139,20
1000	16	600		upon request		upon request	

Socket version bolted-gland socket joint: prices include joint material

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged pipes (FF)* 	40	40	100	870978	389,70	787499	401,50
	40	40	150	856691	393,70	307609	406,40
	40	40	200	856700	219,90	789757	242,40
	40	40	300	856721	233,70	307611	258,50
	40	40	400	856732	221,30	307613	243,60
	40	40	500	856753	617,70	307614	681,10
	40	40	600	856763	884,80	307615	975,70
	40	40	800	856774	1.235,30	307617	1.272,70
	40	40	1000	856784	802,80	307608	884,80
		50	40	100	856791	166,60	307628
	50	40	150	856797	166,60	307629	191,40
	50	40	200	856803	140,50	784018	156,70
	50	40	250	856810	212,60	770659	243,60
	50	40	300	856825	181,40	750478	198,80
	50	40	400	856837	upon request	307631	474,80
	50	40	500	856841	224,90	784019	247,40
	50	40	600	856848	533,10	784021	587,80
	50	40	700	856853	978,10	307632	1.078,80
	50	40	800	856862	1.078,80	784022	1.189,40
	50	40	1000	856874	591,80	784023	636,30
	65	16	100	864783	375,00	307655	386,50
	65	16	150	864857	upon request	307656	478,70
	65	16	200	864869	263,40	307657	290,80
	65	16	300	864899	290,80	753153	upon request
	65	16	400	864921	300,70	307659	331,80
	65	16	500	864940	272,20	307660	299,50
	65	16	600	864972	527,00	753150	580,30
	65	16	800	864983	1.041,50	307662	1.148,40
	65	16	1000	864992	944,20	753151	973,10
	80	40	100	856886	124,30	753857	139,10
	80	40	150	856896	124,30	753858	136,70
	80	40	200	857154	120,50	735257	134,20
	80	40	250	857165	139,10	754035	156,70
	80	40	300	857174	142,90	740674	161,60
	80	40	350	857182	186,50	776122	216,20
	80	40	400	873613	182,70	754036	216,20
	80	40	500	857201	182,70	754038	216,20
	80	40	600	857356	343,00	740663	377,80
	80	40	700	872593	358,00	306455	392,80
	80	40	800	857370	367,00	791131	392,80
	80	40	900	857375	936,10	307674	964,40
	80	40	1000	857379	477,20	758340	525,80
	80	40	100	705316	124,30	4/8 hole drilling	


* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged pipes (FF)* 	100	16	100	857395	141,70	754219	142,90
	100	16	150	857400	144,20	873068	166,60
	100	16	200	857407	141,70	720362	159,10
	100	16	250	857415	183,50	750166	197,60
	100	16	300	857424	169,00	753881	188,90
	100	16	350	857431	258,50	762144	297,00
	100	16	400	857436	216,20	750170	254,70
	100	16	500	857448	216,20	707045	243,60
	100	16	600	857460	360,40	707049	415,10
	100	16	700	857469	386,50	797382	426,20
	100	16	800	857681	377,80	858437	415,10
	100	16	900	873623	1.118,40	725348	1.152,10
	100	16	1000	857687	428,10	858438	468,50
		125	16	100	858449	246,00	700640
	125	16	150	858453	258,50	758341	282,10
	125	16	200	858458	224,90	758184	259,80
	125	16	250	858462	278,40	758385	307,00
	125	16	300	876049	244,80	719442	280,90
	125	16	350	704457	858,70	307566	947,00
	125	16	400	858467	372,80	708801	411,40
	125	16	500	858474	343,00	750472	377,80
	125	16	600	858479	635,10	708802	701,00
	125	16	700	858483	upon request	725340	1.205,50
	125	16	800	704525	635,10	750473	701,00
	125	16	900	711336	upon request	309560	1.324,80
	125	16	1000	858494	985,40	719440	1.015,40
	150	16	100	875916	226,20	758342	261,00
	150	16	150	858507	226,20	758343	261,00
	150	16	200	858513	238,10	725637	248,60
	150	16	250	858520	268,50	740030	308,20
	150	16	300	858523	281,80	728545	295,80
	150	16	350	704520	390,20	778876	451,10
	150	16	400	859084	315,70	859079	362,90
	150	16	500	859113	403,90	876401	445,00
	150	16	600	859135	517,30	872763	555,60
	150	16	700	703969	575,40	700007	632,60
	150	16	800	859265	578,40	725639	632,60
	150	16	900	859286	upon request	872773	1.446,70
	150	16	1000	875308	1.103,80	873067	1.138,50


* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged pipes (FF)*	200	10	100	873709	338,10	758350	372,80
	200	16	100	723725	461,10	307567	508,40
	200	10	150	873710	338,10	774239	372,80
	200	16	150	722114	441,20	307569	508,40
	200	10	200	865350	321,90	758351	355,50
	200	16	200	705274	365,70	790092	376,60
	200	10	250	873713	380,30	776120	418,90
	200	16	250	876740	417,50	307570	461,10
	200	10	300	865382	361,60	721283	398,90
	200	16	300	708101	382,80	307571	422,60
	200	10	350	704456	595,30	307572	656,20
	200	16	350	708782	722,00	307573	796,70
	200	10	400	865409	426,20	758352	489,60
	200	16	400	708783	605,20	792781	667,40
	200	10	500	875311	484,70	721282	535,70
	200	16	500	700037	536,00	784020	551,80
	200	10	600	865466	677,30	722897	748,20
	200	16	600	700135	744,50	307574	820,20
	200	10	700	873717	985,60	307575	1.086,20
	200	16	700	715377	1.085,00	794199	1.195,60
200	10	800	872708	797,90	728544	879,90	
200	16	800	876822	1.087,50	307576	1.198,10	
200	10	900	711338	1.840,40	759066	1.896,60	
200	16	900	722113	1.787,30		upon request	
200	10	1000	875600	1.323,60	728543	1.459,00	
200	16	1000	876743	1.167,60	307568	1.203,10	
	250	10	100	704698	569,20	307577	627,60
	250	16	100	719620	626,40		upon request
	250	10	150	876276	790,40	750899	871,20
	250	16	150	731510	870,00		upon request
	250	10	200	865816	480,90	776119	551,80
	250	16	200	874350	550,50	790089	607,80
	250	10	250	701384	738,20	781586	812,90
	250	16	250	700137	811,50	307578	894,90
	250	10	300	865852	555,90	764993	599,10
	250	16	300	711163	626,40	307579	689,80
	250	10	350	710199	1.512,50	307580	1.667,90
	250	16	350	710412	1.526,20		upon request
	250	10	400	865882	710,90	307581	785,40
	250	16	400	700112	781,70	307582	862,50
	250	10	500	865910	681,10	776124	785,40
	250	16	500	703204	781,70	301087	862,50
	250	10	600	877291	1.106,10	307583	1.219,20
	250	16	600	729007	1.216,70	307584	1.339,80
	250	10	700	711341	1.732,80	760931	1.786,00
	250	16	700	865974	1.783,40	307585	1.964,90
	250	10	800	703919	1.241,60	797363	1.368,30
	250	16	800	734968	1.365,90	307586	1.505,00
	250	10	900	712157	upon request	739972	2.334,10
	250	16	900	703206	upon request	301551	2.146,40
	250	10	1000	873723	upon request	726929	1.521,20
	250	16	1000	874719	upon request		upon request


* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec	
Double flanged pipes (FF)* 	300	10	100	866013	575,40	776117	635,10	
	300	16	100	714593	671,20	795414	738,20	
	300	10	150	715819	914,70	776118	1.006,70	
	300	16	150	736604	1.019,10	307588	1.123,50	
	300	10	200	866191	616,50	730387	679,90	
	300	16	200	300032	702,20	793550	775,50	
	300	10	250	866225	800,60	776121	824,00	
	300	16	250	707591	821,50	317074	906,00	
	300	10	300	866250	620,90	730388	668,60	
	300	16	300	873725	667,40	793106	735,80	
	300	10	350	700441	1.792,10	307589	1.976,10	
	300	16	350	731911	1.805,80		upon request	
	300	10	400	876277	917,20	790715	1.010,40	
	300	16	400	733163	1.009,10	797376	1.112,40	
	300	10	500	866292	852,60	764987	981,80	
	300	16	500	866310	980,60	307590	1.081,20	
	300	10	600	876026	1.283,90	764989	1.415,50	
	300	16	600	709767	1.411,80	307591	1.556,00	
	300	10	700	866335	1.466,50	776126	1.618,20	
	300	16	700	715378	1.613,10	777003	1.779,70	
	300	10	800	866354	1.373,80	771813	1.415,50	
	300	16	800	708562	1.411,80	793107	1.556,00	
	300	10	900	707840	2.740,80	307592	2.823,70	
	300	16	900	783734	2.823,30	307593	2.908,30	
	300	10	1000	866373	2.101,10	767032	2.166,20	
	300	16	1000	873093	2.389,60	307587	2.462,00	
		350	10	200	732454	2.120,30	307596	2.337,70
		350	16	200	745171	2.439,60	307597	2.689,50
		350	10	250	737273	2.034,50	307598	2.243,20
		350	16	250	775064	2.337,70		upon request
		350	10	300	719987	2.324,10	307599	2.561,50
		350	16	300	710414	2.672,10		upon request
	350	10	350	714809	2.583,80	307600	2.848,60	
	350	16	350	799457	2.972,90		upon request	
	350	10	400	705195	2.514,30	307601	2.771,50	
	350	16	400	700118	3.165,50	307602	3.491,10	
	350	10	500	702259	2.583,80	307603	2.848,60	
	350	16	500	735412	2.972,90		upon request	
	350	10	600	725207	3.130,70	307604	3.451,30	
	350	16	600	778090	3.601,70		upon request	
	350	10	700	716717	3.391,60	307605	3.738,40	
	350	16	700	774745	3.901,20		upon request	
	350	10	800	703922	3.130,70	307606	3.451,30	
	350	16	800	309992	3.601,70		upon request	
	350	10	900	731813	3.432,20	307607	3.537,00	
	350	16	900		upon request		upon request	
	350	10	1000	859433	3.616,60	307594	3.987,00	
	350	16	1000	700050	4.159,80		upon request	


* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec	
Double flanged pipes (FF)* 	400	10	200	873800	1.768,60	793623	1.950,00	
	400	16	200	711600	2.034,50	743770	2.243,20	
	400	10	250	742076	1.976,10	306423	2.177,40	
	400	16	250		upon request		upon request	
	400	10	300	873803	1.886,60	749582	2.079,20	
	400	16	300	714734	2.167,50	307621	2.390,00	
	400	10	350	740227	2.339,00	307622	2.578,90	
	400	16	350	719350	2.691,90		upon request	
	400	10	400	859663	2.339,00	307623	2.578,90	
	400	16	400	708793	2.689,50	796054	2.965,40	
	400	10	500	859668	1.930,10	301673	2.266,90	
	400	16	500	873088	2.363,90	307624	2.606,20	
	400	10	600	712904	2.953,00	793627	3.253,70	
	400	16	600	709852	3.395,40		upon request	
	400	10	700	723111	2.953,00	307625	3.253,70	
	400	16	700	700015	3.395,40		upon request	
	400	10	800	703923	3.197,80	307626	3.524,60	
	400	16	800	719349	3.678,70		upon request	
	400	10	900	708827	3.425,20	307627	3.776,90	
	400	16	900	700113	3.941,10		upon request	
	400	10	1000	859677	2.953,00	772792	2.633,60	
	400	16	1000	711599	3.007,70	307619	3.315,90	
		500	10	200	709486	2.888,30	302185	3.185,30
		500	16	200	724783	3.927,30		upon request
		500	10	250	733791	upon request	307635	3.209,00
		500	16	250	876294	3.795,60		upon request
		500	10	300	708229	3.773,20	307636	4.159,80
	500	16	300	787677	4.700,40		upon request	
	500	10	350	709195	3.441,40	307637	3.793,10	
	500	16	350	768768	3.826,70		upon request	
	500	10	400	876914	3.667,60	307638	4.044,20	
	500	16	400	710394	4.055,30	307639	4.470,40	
	500	10	500	873811	3.021,40	759469	3.113,20	
	500	16	500	712343	3.247,50	307640	3.922,30	
	500	10	600	713574	4.214,40	307641	4.646,90	
	500	16	600	752362	4.849,60	307642	5.345,40	
	500	10	700	712258	3.850,20	307643	4.243,00	
	500	16	700	729734	5.058,30		upon request	
	500	10	800	703924	5.095,60	798726	5.618,80	
	500	16	800		upon request		upon request	
	500	10	900	727385	4.499,10	303998	4.960,10	
	500	16	900	756417	5.071,90		upon request	
	500	10	1000	706739	4.905,50	759471	5.408,80	
	500	16	1000	707616	6.447,80	307634	7.107,80	

* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.

Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec	
Double flanged pipes (FF)* 	600	10	200	715720	3.832,80	307644	4.225,60	
	600	16	200	750131	4.405,80	307645	4.859,50	
	600	10	250	727212	4.046,60	307646	4.461,70	
	600	16	250		upon request		upon request	
	600	10	300	736837	4.745,10	307647	5.232,30	
	600	16	300	711625	5.458,50		upon request	
	600	10	350	742077	4.216,90	307648	4.649,40	
	600	16	350		upon request		upon request	
	600	10	400	712285	5.048,40	307649	5.565,40	
	600	16	400	714733	5.805,30		upon request	
	600	10	500	859698	5.048,40	307650	5.565,40	
	600	16	500	732119	5.805,30		upon request	
	600	10	600	859711	6.024,00	307651	6.641,70	
	600	16	600	760554	6.928,80		upon request	
	600	10	700	722839	5.270,80	307652	5.811,50	
	600	16	700	715380	6.061,20		upon request	
	600	10	800	704785	5.270,80	307653	5.811,50	
	600	16	800	305876	6.349,70		upon request	
	600	10	900	754670	5.799,00	307654	6.391,80	
	600	16	900	725297	6.667,80		upon request	
	600	10	1000	704419	6.552,20	759473	7.552,60	
	600	16	1000	715381	7.879,60		upon request	
		700	10	300	727228	8.811,60	307665	9.715,20
		700	16	300		upon request		upon request
		700	10	350	742078	6.992,20	307666	7.708,10
		700	16	350		upon request		upon request
		700	10	400	741903	9.188,20	307667	10.129,10
	700	16	400		upon request		upon request	
	700	10	500	875866	9.743,80	307668	10.743,00	
	700	16	500	750829	11.205,40		upon request	
	700	10	600	733936	8.400,30	307669	9.260,30	
	700	16	600		upon request		upon request	
	700	10	700	741905	10.081,80	307670	11.113,30	
	700	16	700		upon request		upon request	
	700	10	800	741907	10.688,30	307671	11.783,20	
	700	16	800		upon request		upon request	
	700	10	900	725548	10.688,30	307672	11.783,20	
	700	16	900		upon request		upon request	
	700	10	1000	724500	11.706,20	307664	12.346,30	
	700	16	1000	710419	13.463,60		upon request	


* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.


Item	DN	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged pipes (FF)* 	800	10	300	722841	8.626,50	307676	9.508,90
	800	16	300		upon request		upon request
	800	10	350	741908	8.087,10	307677	8.917,30
	800	16	350		upon request		upon request
	800	10	400	711137	10.628,60	307678	11.717,40
	800	16	400		upon request		upon request
	800	10	500	722484	8.471,20	307679	9.339,80
	800	16	500	727603	9.743,80		upon request
	800	10	600	711957	10.043,20	307680	11.072,40
	800	16	600	760597	11.550,80		upon request
	800	10	700	741910	12.624,70	307681	13.919,70
	800	16	700		upon request		upon request
	800	10	800	721604	13.198,80	307682	14.551,00
	800	16	800		upon request		upon request
	800	10	900	741912	12.051,70	307683	13.288,30
	800	16	900		upon request		upon request
	800	10	1000	711958	10.521,80	307675	11.599,40
	800	16	1000	728317	12.100,10		upon request





Flanged spigots and double flanged pieces DN 80 to DN 1200 with puddle flange on request up to 2.000 mm length


* In-between lengths as well as flanged pipes with cast-on puddle flanges on request.


Item	DN	PN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged bends (FFK) 	40	40	11°	860247	518,30	307698	570,40
	50	40	11°	870984	904,80	307708	996,80
	65	16	11°	870985	932,20	307721	1.027,80
	80	40	11°	857795	241,10	758299	277,20
	100	16	11°	857870	261,00	702870	305,70
	125	16	11°	879210	418,90	758325	462,30
	150	16	11°	858002	421,30	758330	492,20
	200	10	11°	876791	704,60	758333	812,90
	200	16	11°	874750	811,50	306424	894,90
	250	10	11°	706111	1.150,90	776116	1.268,90
	250	16	11°	708007	1.267,70	307686	1.395,70
	300	10	11°	703503	1.500,10	764595	1.761,10
	300	16	11°	709768	1.758,60	307690	1.937,60
	350	10	11°	739416	3.303,50	307692	3.641,50
	350	16	11°	737346	3.796,80		upon request
	400	10	11°	858036	2.035,70	307702	2.244,60
	400	16	11°	703009	2.339,00	307703	2.578,90
	500	10	11°	858384	3.420,30	307712	3.772,00
	500	16	11°	712244	3.936,00		upon request
	600	10	11°	858421	7.571,30	307717	8.348,10
	600	16	11°	702847	8.708,50		upon request
700	10	11°	875864	8.114,40	307725	9.353,60	
700	16	11°	702846	9.756,30		upon request	
800	10	11°	709353	9.343,50	307729	10.303,00	
800	16	11°	712341	10.745,40		upon request	
	40	40	22°	860251	478,50	307699	527,00
	50	40	22°	870988	901,00	307709	993,10
	65	16	22°	870990	1.210,20	307722	1.247,80
	80	40	22°	857809	241,10	758300	277,20
	100	16	22°	857896	261,00	758324	305,70
	125	16	22°	879211	431,30	758326	477,20
	150	16	22°	858010	421,30	758331	492,20
	200	10	22°	865465	691,00	758335	812,90
	200	16	22°	877603	811,50	306425	894,90
	250	10	22°	876790	1.087,50	755888	1.198,10
	250	16	22°	876329	1.195,60	307687	1.318,70
	300	10	22°	866006	1.500,10	774304	1.761,10
	300	16	22°	874165	1.758,60	784030	1.937,60
	350	10	22°	727239	3.228,80	307693	3.559,50
	350	16	22°	700117	3.915,00		upon request
	400	10	22°	858044	2.255,70	307704	2.486,90
	400	16	22°	703010	2.595,10		upon request
	500	10	22°	877175	3.855,30	307713	4.251,70
	500	16	22°	712242	4.434,40		upon request
	600	10	22°	860246	7.571,30	307718	8.348,10
	600	16	22°	714737	9.102,50		upon request
	700	10	22°	874257	9.305,00	307726	10.257,00
	700	16	22°	712334	10.700,80		upon request
	800	10	22°	741914	9.157,20	307730	11.058,60
	800	16	22°	712339	10.531,70		upon request

Item	DN	PN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged bends (FFK) 	40	40	30°	870991	456,10	307700	500,90
	50	40	30°	870992	370,30	307710	407,60
	65	16	30°	870993	1.123,50	307723	1.237,90
	80	40	30°	857822	233,70	758301	269,70
	100	16	30°	857927	261,00	707056	305,70
	125	16	30°	857991	418,90	758327	462,30
	150	16	30°	858020	428,80	758332	492,20
	200	10	30°	865849	691,00	758336	812,90
	200	16	30°	701607	888,60	799982	979,40
	250	10	30°	703959	1.040,30	789384	1.198,10
	250	16	30°	720169	1.195,60	729362	1.318,70
	300	10	30°	866087	1.528,70	771814	1.761,10
	300	16	30°	711056	1.843,10	307691	2.030,80
	350	10	30°	866130	3.430,20	307694	3.780,70
	350	16	30°	775919	4.131,20	307695	4.555,00
	400	10	30°	858052	2.380,00	790709	2.624,80
	400	16	30°	714735	2.736,80	307705	3.017,60
	500	10	30°	858393	4.292,80	307714	4.734,00
	500	16	30°	708319	4.722,70		upon request
	600	10	30°	712279	7.227,00	792759	7.969,00
600	16	30°	752008	8.310,80	307719	9.163,30	
700	10	30°	716620	11.571,90	307727	12.758,80	
700	16	30°	745706	13.308,20		upon request	
800	10	30°	738465	11.762,20	307731	12.968,90	
800	16	30°	772905	12.939,10		upon request	
	40	40	45°	870077	266,00	307701	292,00
	50	40	45°	857782	228,60	307711	252,30
	65	16	45°	870078	upon request	307724	upon request
	80	40	45°	857838	162,80	758337	190,10
	100	16	45°	857951	182,70	707055	206,30
	125	16	45°	857996	273,40	758338	302,00
	150	16	45°	858029	299,50	728506	351,70
	200	10	45°	865870	517,10	758339	607,80
	200	16	45°	700449	606,60	770703	668,60
	250	10	45°	865963	805,40	307689	927,10
	250	16	45°	700445	886,20	770573	1.020,40
	300	10	45°	866101	1.050,50	764594	1.131,00
	300	16	45°	700017	1.128,40	784912	1.244,00
	350	10	45°	877997	2.017,10	307696	2.224,60
	350	16	45°	700045	2.319,10	307697	2.556,60
	400	10	45°	858368	2.160,00	790710	2.534,10
	400	16	45°	700016	2.529,10	307706	2.788,90
	500	10	45°	858401	4.081,40	307715	4.500,30
	500	16	45°	710441	4.692,90	307716	5.175,20
	600	10	45°	706005	7.571,30	792761	8.348,10
	600	16	45°	702848	8.708,50	307720	9.599,60
	700	10	45°	873794	11.999,50	307728	13.229,90
	700	16	45°	710442	13.800,30		upon request
	800	10	45°	878088	13.299,50	307732	14.661,60
	800	16	45°	712338	15.295,50		upon request

Item	DN ₁	DN ₂	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged tapers concentric (FFR) 	50	40	40	200	859261	177,70	307749	195,20
	65	40	16	200	870752	196,40	797380	216,20
	65	50	16	200	870080	177,70	307759	195,20
	80	40	40	200	876030	154,10	777165	170,30
	80	50	40	200	859325	129,20	751988	151,60
	80	65	16	200	859352	142,90	797381	165,30
	100	40	16	200	859370	181,40	778907	198,80
	100	50	16	200	859381	131,80	750476	151,60
	100	65	16	200	859427	171,50	750901	190,10
	100	80	16	200	859455	139,10	710225	156,70
	125	65	16	200	702728	upon request	307735	1.219,20
	125	80	16	200	859757	177,70	758292	195,20
	125	100	16	200	859764	164,00	705061	192,60
	150	50	16	300	704407	341,80	786778	376,60
	150	80	16	200	859782	190,10	750902	221,30
	150	100	16	200	859794	191,40	705062	215,00
	150	125	16	200	859803	205,10	705064	239,90
	200	80	10	300	874377	300,70	758293	346,80
	200	80	16	300	875255	428,80	793512	471,00
	200	100	10	300	866246	325,60	758294	359,20
	200	100	16	300	711066	333,10	787373	369,10
	200	125	10	300	877334	336,90	758295	372,80
	200	125	16	300	874210	508,40	789912	560,50
	200	150	10	300	866324	297,00	877354	348,00
	200	150	16	300	700448	331,80	758185	382,80
	250	80	10	300	703137	480,90	785069	530,70
	250	80	16	300	705639	upon request		upon request
	250	100	10	300	866399	462,30	762203	533,10
	250	100	16	300	711598	569,10	307736	586,60
	250	125	10	300	701380	652,50	307737	720,80
	250	125	16	300	703203	718,40	307738	791,70
	250	150	10	300	870477	462,30	874200	533,10
	250	150	16	300	705637	531,90	749914	586,60
	250	200	10	300	866489	454,90	727144	533,10
	250	200	16	300	877590	509,60	711829	586,60
	300	100	10	300	866527	564,30	776128	650,00
	300	100	16	300	716798	650,00	307739	714,70
	300	150	10	300	866536	564,30	742395	650,00
	300	150	16	300	709769	648,70	307740	714,70
	300	200	10	300	872598	554,30	771816	650,00
300	200	16	300	877672	648,70	307741	714,70	
300	250	10	300	866564	576,70	769749	666,10	
300	250	16	300	866593	662,50	794193	732,00	
350	200	10	300	874178	1.597,10	307742	1.845,60	
350	200	16	300	712362	1.925,10		upon request	
350	250	10	300	701235	1.298,70	307743	1.431,70	
350	250	16	300	738581	1.635,60		upon request	
350	300	10	300	859934	983,00	307744	1.155,90	
350	300	16	300	702147	1.204,30	784913	1.327,40	


Item	DN ₁	DN ₂	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged tapers concentric (FFR) 	400	200	10	300	860157	1.124,70	790708	1.296,20
	400	200	16	300	708781	1.352,30	307745	1.490,20
	400	250	10	300	860190	1.124,70	750023	1.296,20
	400	250	16	300	876263	1.352,30	307746	1.490,20
	400	300	10	300	860230	1.124,70	767033	1.321,10
	400	300	16	300	860258	1.378,30	780773	1.518,70
	400	350	10	300	860282	1.334,70	785763	1.470,30
	400	350	16	300	700120	1.818,20	307747	2.096,60
	500	250	10	600	708034	4.501,50	307750	4.963,80
	500	250	16	600	860442	5.176,40		upon request
	500	300	10	600	701362	2.566,50	765409	2.957,90
	500	300	16	600	707394	3.820,40	307752	4.212,00
	500	350	10	600	711279	4.393,40	307753	5.064,60
	500	350	16	600	715360	5.720,70		upon request
	500	400	10	600	860529	2.695,50	730389	2.957,90
	500	400	16	600	877127	3.820,40	307754	4.026,80
	600	350	10	600	741916	5.922,10	307755	6.529,90
	600	350	16	600		upon request		upon request
	600	400	10	600	860580	4.661,90	307756	5.140,30
	600	400	16	600	706725	5.361,50	307757	5.910,90
	600	500	10	600	860599	3.964,60	730390	4.371,00
	600	500	16	600	714736	4.993,70	307758	5.508,20
	700	500	10	600	861008	7.219,60	307760	7.960,30
	700	500	16	600	727964	8.302,10		upon request
	700	600	10	600	861027	7.246,90	307761	7.988,90
	700	600	16	600	715362	8.334,40		upon request
	800	500	10	600	720685	8.785,50	307762	9.686,60
	800	500	16	600	707617	10.102,90		upon request
	800	600	10	600	705193	8.747,00	307763	9.644,30
	800	600	16	600	716314	10.059,40		upon request
	800	700	10	600	704120	9.065,20	307764	9.994,80
	800	700	16	600	715363	10.424,90		upon request
900	800	10	600	878364	10.009,80	307765	11.036,30	
900	800	16	600	772624	11.512,30		upon request	
1000	800	10	600	726043	12.129,90	307733	13.374,10	
1000	800	16	600	727965	14.554,70		upon request	
1000	900	10	600	741973	12.100,10	307734	13.341,70	
1000	900	16	600	795722	14.546,00		upon request	


Item	DN ₁	DN ₂	PN	Length	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged tapers excentric (FFRe) 	80	40	40	200	732240	1.106,10	307790	1.220,50
	80	50	40	200	714972	1.270,10	307791	1.400,70
	80	65	16	200	722038	916,00	309562	1.010,40
	100	50	16	200	861708	517,10	307766	569,20
	100	65	16	200	712741	1.273,90	307767	1.404,40
	100	80	16	200	861714	1.019,10	743239	1.123,50
	125	65	16	200	741974	upon request	307769	630,10
	125	80	16	200	713109	1.035,30	307770	1.142,20
	125	100	16	200	873902	1.303,70	307768	1.436,70
	150	50	16	300	720648	upon request	307773	1.365,90
	150	80	16	300	861759	1.349,70	307774	1.390,80
	150	100	16	300	875940	615,30	307771	677,30
	150	125	16	300	725391	1.445,40	307772	1.593,30
	200	100	10	300	720930	952,00	776260	1.050,20
	200	100	16	300	710446	1.047,60	311112	1.155,90
	200	125	10	300	745455	1.594,50	307775	1.757,40
	200	125	16	300	873922	1.754,80		upon request
	200	150	10	300	866735	852,60	307776	981,80
	200	150	16	300	873926	939,50	770629	1.081,20
	250	125	10	300	741975	2.220,90	307777	2.448,30
	250	125	16	300		upon request		upon request
	250	150	10	300	713189	1.580,90	307778	1.743,70
	250	150	16	300	710452	1.738,80		upon request
	250	200	10	300	711272	1.904,00	307779	2.098,00
	250	200	16	300	712465	2.094,20		upon request
	300	150	10	300	714208	2.168,70	307780	2.390,00
	300	150	16	300	753178	2.386,30	770588	2.629,90
	300	200	10	300	715103	2.596,30	307781	2.863,50
	300	200	16	300	710457	2.680,80		upon request
	300	250	10	300	711335	2.843,60	307782	3.133,20
	300	250	16	300	710458	3.127,00		upon request
	350	200	10	500	742818	3.957,10	309561	4.363,50
	350	200	16	500	772787	4.965,10		upon request
350	250	10	500	735281	4.212,00	307783	4.643,10	
350	250	16	500	780931	5.303,10		upon request	
350	300	10	500	741977	4.893,00	307784	5.395,10	
350	300	16	500	302964	5.628,70		upon request	
400	250	10	500	733789	3.803,00	304201	4.194,60	
400	250	16	500	710459	4.373,60		upon request	
400	300	10	500	866878	4.057,80	307785	4.475,40	
400	300	16	500	710460	4.666,80		upon request	
400	350	10	500	740537	4.373,60	307786	4.822,10	
400	350	16	500		upon request		upon request	
500	350	10	500	741978	5.531,80	307787	6.099,80	
500	350	16	500	756903	6.360,80		upon request	
500	400	10	500	726607	5.032,20	772793	5.550,40	
500	400	16	500	710463	5.787,90		upon request	
600	400	10	500	706004	5.891,00	307788	6.493,70	
600	400	16	500		upon request		upon request	
600	500	10	500	730770	5.891,00	307789	6.493,70	
600	500	16	500	741296	6.774,70		upon request	

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends (MK) 	SMU	40	11°	743393	852,60		
	SMU	80	11°	743414	392,80	307884	433,70
	SMU	100	11°	743438	344,20	307797	380,30
	SMU	125	11°	743455	421,30	307809	464,80
	SMU	150	11°	743472	459,80	307821	507,00
	SMU	200	11°	743489	974,30	307833	1.075,10
	TYT	80	11°	875345	227,40	304202	252,30
TYT	100	11°	862985	226,20	304203	251,10	
TYT	125	11°	863598	325,60	307810	358,00	
TYT	150	11°	863736	334,30	304204	367,90	
TYT	200	11°	875356	483,50	307834	534,50	
TYT	250	11°	702881	668,60	307846	769,40	
TYT	300	11°	862317	983,00	307858	1.132,20	
SMU	40	22°	743395	824,00			
SMU	80	22°	743419	351,70	307887	387,70	
SMU	100	22°	743442	350,50	307800	386,50	
SMU	125	22°	743459	408,80	307812	452,40	
SMU	150	22°	743476	698,50	307824	770,60	
SMU	200	22°	743493	1.016,60	307836	1.121,10	
TYT	80	22°	875347	222,50	307888	247,40	
TYT	100	22°	863023	248,60	301162	275,90	
TYT	125	22°	863630	upon request	307813	358,00	
TYT	150	22°	862862	356,70	307825	418,90	
TYT	200	22°	875358	633,90	307837	730,80	
TYT	250	22°	863184	786,80	307849	907,30	
TYT	300	22°	862333	1.005,50	307861	1.108,60	
SMU	40	30°	743397	768,00			
SMU	80	30°	743425	397,70	307890	437,50	
SMU	100	30°	743446	377,80	307803	416,30	
SMU	125	30°	743463	480,90	307815	528,20	
SMU	150	30°	743480	597,70	307827	657,40	
SMU	200	30°	743497	932,20	307839	1.029,00	
TYT	80	30°	875348	253,50	307891	279,60	
TYT	100	30°	863127	264,70	301163	293,30	
TYT	125	30°	863661	379,00	307816	417,50	
TYT	150	30°	875352	435,00	780642	500,90	
TYT	200	30°	875360	551,80	307840	609,00	
TYT	250	30°	863211	846,30	307852	932,20	
TYT	300	30°	703989	1.200,60	307864	1.324,80	

Socket version Tyton: prices are without joint material


Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends (MK) 	SMU	40	45°	743399	775,50		
	SMU	80	45°	743431	421,30	307893	462,30
	SMU	100	45°	743450	398,90	307806	440,00
	SMU	125	45°	743467	468,50	307818	517,10
	SMU	150	45°	743484	600,30	307830	661,20
	SMU	200	45°	743501	1.046,40	307842	1.150,90
	TYT	80	45°	875350	236,10	307894	261,00
	TYT	100	45°	863177	269,70	301165	316,90
	TYT	125	45°	863683	398,90	307819	440,00
	TYT	150	45°	862943	405,20	754221	477,20
	TYT	200	45°	863091	688,60	307843	794,10
	TYT	250	45°	878349	878,70	307855	1.031,60
	TYT	300	45°	714610	1.193,10	799772	1.375,80


Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA) 	SMU	SMU	40	40	40	743532	1.063,80	307971	1.173,30
	SMU	SMU	50	50	40	743536	625,20	307990	687,20
	SMU	SMU	65	65	16	743539	597,70	308038	658,70
	SMU	SMU	80	40	40	743542	585,40	308054	645,10
	SMU	SMU	80	50	40	743546	471,00	308056	520,80
	SMU	SMU	80	80	40	743553	585,40	308058	645,10
	SMU	SMU	100	40	40	743557	592,80	307896	655,00
	SMU	SMU	100	50	40	743561	667,40	307898	735,80
	SMU	SMU	100	80	40	743566	457,40	307903	503,30
	SMU	SMU	100	100	16	743570	469,80	307895	518,30
	SMU	SMU	125	40	40	743574	587,80	307909	647,50
	SMU	SMU	125	50	40	743578	541,80	307911	597,70
	SMU	SMU	125	80	40	743582	980,60	307913	1.081,20
	SMU	SMU	125	100	16	743586	1.416,90	307904	1.562,30
	SMU	SMU	125	125	16	743589	722,00	307907	796,70
	SMU	SMU	150	80	40	743599	651,20	307924	717,10
	SMU	SMU	150	100	16	743603	749,40	307915	825,30
	SMU	SMU	150	150	16	743609	1.598,30	307920	1.762,30
	SMU	SMU	200	80	40	743618	1.016,60	307936	1.121,10
	SMU	SMU	200	100	16	743623	1.237,90	307925	1.363,40
	SMU	SMU	200	150	16	743629	1.065,20	307929	1.171,90
	SMU	SMU	200	200	10	743633	1.507,60	307930	1.662,90
	SMU	SMU	200	200	16	776708	1.313,70		upon request
	SMU	SMU	250	80	40	743641	1.283,90	307953	1.415,50
	SMU	SMU	250	100	16	743645	1.897,80	307938	2.091,70
	SMU	SMU	300	80	40	743656	2.101,60	307966	2.317,90
	SMU	SMU	300	100	16	743660	2.114,00	307954	2.330,30
	SMU	SMU	300	150	16	743665	2.066,80	307956	2.278,20
SMU	SMU	300	200	10	743670	2.129,00	307959	2.347,70	
SMU	SMU	300	200	16		upon request		upon request	
SMU	SMU	300	300	10	743675	2.385,00	307963	2.629,90	
SMU	SMU	300	300	16	755652	2.148,80		upon request	

Socket version Tyton: prices are without joint material


Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)


Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA) 	TYT	TYT	80	40	40	701383	263,40	308055	269,70
	TYT	TYT	80	50	40	720059	361,60	308057	398,90
	TYT	TYT	80	80	40	876315	267,20	761503	294,60
	TYT	TYT	100	40	40	876025	237,30	790023	262,20
	TYT	TYT	100	50	40	860149	262,20	307899	289,60
	TYT	TYT	100	65	16	711084	550,50	307902	607,80
	TYT	TYT	100	80	40	860204	261,00	754287	288,30
	TYT	TYT	100	100	16	860257	284,60	758259	313,20
	TYT	TYT	125	40	40	877495	355,50	307910	391,40
	TYT	TYT	125	50	40	876140	459,80	307912	507,00
	TYT	TYT	125	80	40	860305	367,90	307914	406,40
	TYT	TYT	125	100	16	875677	437,50	307905	483,50
	TYT	TYT	125	125	16	701682	927,10	307908	1.022,90
	TYT	TYT	150	40	40	877728	359,20	790021	415,10
	TYT	TYT	150	50	40	860450	489,60	307923	540,60
	TYT	TYT	150	80	40	860477	377,60	758262	415,10
	TYT	TYT	150	100	16	860498	398,90	758263	430,00
	TYT	TYT	150	125	16	731867	979,40	307918	1.080,00
	TYT	TYT	150	150	16	860532	492,20	739328	543,10
	TYT	TYT	200	40	40	870501	718,40	790022	794,10
	TYT	TYT	200	50	40	721068	1.500,10	307935	1.653,00
	TYT	TYT	200	80	40	860585	513,30	758264	601,50
	TYT	TYT	200	100	16	860607	561,70	758265	620,20
	TYT	TYT	200	150	16	878651	636,30	758266	702,20
	TYT	TYT	200	200	10	701394	949,60	307931	1.047,60
	TYT	TYT	200	200	16	712228	965,60	307932	1.065,20
	TYT	TYT	250	80	40	874016	690,30	304977	756,90
	TYT	TYT	250	100	16	861087	779,30	307939	858,70
	TYT	TYT	250	150	16	875380	831,50	307944	917,20
	TYT	TYT	250	200	10	701695	1.170,70	307947	1.295,00
	TYT	TYT	250	200	16	701684	1.290,10		upon request
	TYT	TYT	250	250	10	703139	1.082,50	307949	1.186,90
TYT	TYT	250	250	16	720173	1.185,70		upon request	
TYT	TYT	300	80	40	874018	853,80	778393	1.001,80	
TYT	TYT	300	100	16	861168	877,50	781151	1.030,30	
TYT	TYT	300	150	16	875383	1.025,40	307957	1.106,10	
TYT	TYT	300	200	10	876278	1.256,50	799064	1.500,10	
TYT	TYT	300	200	16	874019	1.382,00		upon request	
TYT	TYT	300	250	10	722444	1.568,50	307961	1.728,70	
TYT	TYT	300	250	16	720851	1.935,10		upon request	
TYT	TYT	300	300	10	879021	1.495,10	307964	1.648,00	
TYT	TYT	300	300	16	875384	1.644,30	307965	1.813,30	
TYT	TYT	350	100	16	712545	2.178,60	307968	2.295,50	
TYT	TYT	350	200	10	709986	3.681,00	307969	3.791,90	
TYT	TYT	350	200	16	778361	3.606,40		upon request	
TYT	TYT	350	350	10	741993	3.539,60	307970	3.666,40	
TYT	TYT	350	350	16	733715	3.665,10		upon request	
TYT	TYT	400	80	40	709764	1.868,00	307988	2.152,50	
TYT	TYT	400	100	16	878360	1.786,00	307974	1.968,60	
TYT	TYT	400	150	16	878361	upon request	307976	2.279,40	
TYT	TYT	400	200	10	877615	3.032,00	307980	3.124,50	
TYT	TYT	400	200	16	709762	3.036,00		upon request	
TYT	TYT	400	300	10	728482	3.231,50	307983	3.330,80	
TYT	TYT	400	300	16	733711	3.300,60		upon request	

Socket version Tyton: prices are without joint material

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA) 	TYT	TYT	400	400	10	711040	3.655,20	307986	4.029,20
	TYT	TYT	400	400	16	725984	3.790,00		upon request
	TYT	TYT	500	80	40	726835	4.313,90	308011	4.756,30
	TYT	TYT	500	100	16	703728	4.313,90	307992	4.756,30
	TYT	TYT	500	150	16	709868	4.376,00	307995	4.824,70
	TYT	TYT	500	200	10	712965	4.342,40	307999	4.788,60
	TYT	TYT	500	200	16	708320	4.983,70		upon request
	TYT	TYT	500	300	10	705335	5.341,60	308001	5.891,00
	TYT	TYT	500	300	16	720526	5.876,10		upon request
	TYT	TYT	500	400	10	714933	6.650,40	308004	7.332,70
	TYT	TYT	500	400	16	726008	7.648,40		upon request
	TYT	TYT	500	500	10	704924	5.692,10	308007	6.276,30
	TYT	TYT	500	500	16	726005	6.248,90	308008	6.888,90
	TYT	TYT	600	100	16	712234	5.551,70	308014	6.122,20
	TYT	TYT	600	150	16	728932	6.620,60	308017	7.300,30
	TYT	TYT	600	200	10	705809	5.310,60	308021	5.857,50
	TYT	TYT	600	200	16	715394	5.841,30		upon request
	TYT	TYT	600	250	10	728483	6.541,00	308024	7.212,10
	TYT	TYT	600	250	16	733707	7.196,00		upon request
	TYT	TYT	600	300	10	720935	5.947,00	308027	6.557,20
	TYT	TYT	600	300	16	733703	6.541,00		upon request
	TYT	TYT	600	400	10	741994	7.791,30	308029	8.594,10
	TYT	TYT	600	400	16	715072	8.960,80		upon request
	TYT	TYT	600	500	10	741995	8.268,50	308031	9.116,10
	TYT	TYT	600	500	16		upon request		upon request
	TYT	TYT	600	600	10	741998	7.516,60	308034	8.285,90
	TYT	TYT	600	600	16	715395	8.645,10		upon request
	TYT	TYT	700	150	16	712333	8.882,50	308040	9.793,50
	TYT	TYT	700	200	10	729642	9.728,80	308042	10.725,60
	TYT	TYT	700	200	16	717690	10.702,00		upon request
TYT	TYT	700	300	10	741999	12.569,90	308044	13.858,80	
TYT	TYT	700	300	16	733699	13.827,80		upon request	
TYT	TYT	700	400	10	731443	10.997,80	308046	12.126,30	
TYT	TYT	700	400	16	789869	12.649,50		upon request	
TYT	TYT	700	500	10	742000	11.056,20	308048	12.190,90	
TYT	TYT	700	500	16		upon request		upon request	
TYT	TYT	700	600	10	742001	12.445,70	308050	13.722,10	
TYT	TYT	700	600	16	751933	14.311,10		upon request	
TYT	TYT	700	700	10	742002	13.361,70	308052	14.731,20	
TYT	TYT	700	700	16		upon request		upon request	
TYT	TYT	800	200	10	709929	12.401,00	308059	13.049,70	
TYT	TYT	800	200	16	715396	13.641,30		upon request	
TYT	TYT	800	300	10	742003	13.856,30	308060	14.580,80	
TYT	TYT	800	300	16	739888	15.240,80		upon request	
TYT	TYT	800	400	10	742004	13.226,10	308061	14.580,80	
TYT	TYT	800	400	16	715397	15.208,50		upon request	
TYT	TYT	800	500	10	742005	13.868,70	308062	15.289,30	
TYT	TYT	800	500	16	733757	15.949,30		upon request	
TYT	TYT	800	600	10	742006	15.222,20	308063	16.784,30	
TYT	TYT	800	600	16	740466	17.505,30		upon request	
TYT	TYT	800	700	10	742007	15.184,80	308064	16.739,60	
TYT	TYT	800	700	16		upon request		upon request	
TYT	TYT	800	800	10	742008	16.666,30	308065	18.375,20	
TYT	TYT	800	800	16	715398	19.165,60		upon request	


Socket version Tyton: prices are without joint material

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA) 	STB	STB	500	80	40	754298	8.540,70	309565	9.416,90
	STB	STB	500	100	16	754301	7.117,70	309566	7.847,20
	STB	STB	500	150	16	754302	7.148,70	309567	7.880,80
	STB	STB	500	200	10	754303	7.148,70	309568	7.880,80
	STB	STB	500	200	16		upon request		upon request
	STB	STB	500	300	10	754304	7.249,50	309569	7.992,60
	STB	STB	500	300	16		upon request		upon request
	STB	STB	500	400	10	754305	8.565,60	309570	9.443,00
	STB	STB	500	400	16		upon request		upon request
	STB	STB	500	500	10	754306	8.646,40	309571	9.530,00
	STB	STB	500	500	16		upon request		upon request
	STB	STB	600	80	40	754307	9.105,00	309572	10.037,10
	STB	STB	600	100	16	754308	9.105,00	309573	10.037,10
	STB	STB	600	150	16	754309	9.105,00	309574	10.037,10
	STB	STB	600	200	10	754310	9.105,00	309575	10.037,10
	STB	STB	600	200	16		upon request		upon request
	STB	STB	600	250	10	754311	10.145,20	309576	11.185,40
	STB	STB	600	250	16		upon request		upon request
	STB	STB	600	300	10	754312	10.145,20	309577	11.185,40
	STB	STB	600	300	16		upon request		upon request
STB	STB	600	600	10	754313	11.342,10	309578	12.504,10	
STB	STB	600	600	16		upon request		upon request	

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All socket tees (MMB) 	SMU	SMU	40	40	743692	702,20	308147	774,30
	SMU	SMU	80	40	743699	461,10	308187	509,60
	SMU	SMU	80	80	743704	607,80	308190	673,60
	SMU	SMU	100	40	754330	832,70	308067	918,40
	SMU	SMU	100	80	743712	upon request	308071	538,20
	SMU	SMU	100	100	743716	564,30	308066	622,60
	SMU	SMU	125	40	743719	539,40	308076	595,30
	SMU	SMU	125	50	743722	580,30	308078	641,30
	SMU	SMU	125	80	743726	543,10	308081	599,10
	SMU	SMU	125	100	743730	718,40	308072	794,10
	SMU	SMU	125	125	743735	684,80	308074	755,60
	SMU	SMU	150	80	743742	679,90	308093	749,40
	SMU	SMU	150	100	743746	979,40	308083	1.080,00
	SMU	SMU	150	125	743750	771,80	308085	851,40
	SMU	SMU	150	150	743755	837,60	308087	922,20
	SMU	SMU	200	80	743763	955,70	308107	1.030,30
	SMU	SMU	200	100	743767	1.239,10	308095	1.364,60
	SMU	SMU	200	125	743771	1.014,20	308097	1.118,50
	SMU	SMU	200	150	743775	1.029,00	308099	1.134,70
	SMU	SMU	200	200	743779	1.254,10	308101	1.382,00
SMU	SMU	250	100	743783	1.271,50	308110	1.401,90	
SMU	SMU	300	100	743798	1.671,60	308123	1.843,10	


Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Socket version bolted-gland socket joint: prices include joint material


Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All socket tees (MMB) 	TYT	SMU	80	40	741763	331,80	308188	365,40
	TYT	TYT	80	80	701674	359,00	308191	370,30
	TYT	SMU	100	40	722872	358,00	308068	394,00
	TYT	SMU	100	50	741764	269,70	308070	298,30
	TYT	TYT	100	80	875388	323,10	754057	358,00
	TYT	TYT	100	100	861248	281,80	785384	290,80
	TYT	SMU	125	40	741765	417,50	308077	431,30
	TYT	SMU	125	50	741766	379,00	308079	416,30
	TYT	TYT	125	80	701675	541,80	308082	597,70
	TYT	TYT	125	100	701676	upon request	308073	421,30
	TYT	TYT	125	125	701677	417,50	308075	461,10
	TYT	SMU	150	40	722874	509,60	308090	563,00
	TYT	TYT	150	80	701678	483,50	308094	531,90
	TYT	TYT	150	100	861347	420,30	308084	435,00
	TYT	TYT	150	125	875390	942,10	308086	1.037,70
	TYT	TYT	150	150	875328	438,70	308088	483,50
	TYT	SMU	200	50	741768	1.447,90	308106	1.595,70
	TYT	TYT	200	80	701679	667,40	308108	735,80
	TYT	TYT	200	100	875340	566,70	308096	622,60
	TYT	TYT	200	125	701680	708,40	308098	780,50
	TYT	TYT	200	150	875346	666,20	308100	687,20
	TYT	TYT	200	200	875160	723,40	308102	744,50
	TYT	TYT	250	80	701681	1.004,20	308122	1.107,30
	TYT	TYT	250	100	875349	899,80	308111	1.036,50
	TYT	TYT	250	150	875354	902,30	308115	996,80
	TYT	TYT	250	200	875357	1.129,80	308117	1.245,40
	TYT	TYT	250	250	876985	1.073,90	308119	1.236,70
	TYT	TYT	300	80	719673	1.128,40	308138	1.244,00
	TYT	TYT	300	100	875363	1.131,00	308124	1.246,60
	TYT	TYT	300	150	875366	1.127,20	308128	1.298,70
	TYT	TYT	300	200	875368	1.266,50	308130	1.395,70
	TYT	TYT	300	250	879651	1.626,90	308133	1.874,10
	TYT	TYT	300	300	875369	1.461,60	308136	1.716,30
TYT	TYT	350	100	741769	2.567,70	308139	2.828,70	
TYT	TYT	350	200	741778	3.244,80	308142	3.343,20	
TYT	TYT	350	250	741779	4.505,20	308143	4.968,80	
TYT	TYT	350	300	741780	4.581,10	308145	5.049,60	
TYT	TYT	350	350	741781	4.172,20	308146	4.598,50	
TYT	TYT	400	100	712978	2.926,90	308149	3.226,40	
TYT	TYT	400	150	741782	3.146,30	308150	3.391,60	
TYT	TYT	400	200	712349	3.685,00	308153	4.062,80	
TYT	TYT	400	250	741783	3.612,90	308155	3.983,20	
TYT	TYT	400	300	710900	3.788,10	308157	4.177,20	
TYT	TYT	400	400	710899	6.798,20	308159	7.493,00	
TYT	TYT	500	100	733059	4.942,70	308163	5.451,00	
TYT	TYT	500	200	741784	5.743,10	308166	6.330,90	
TYT	TYT	500	300	721210	8.233,70	308168	9.490,20	
TYT	TYT	500	400	741785	5.734,40	308170	6.322,20	
TYT	TYT	500	500	729900	8.191,40	308172	9.030,40	

Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All socket tees (MMB) 	TYT	TYT	600	600	741786	10.576,50	308176	11.661,40
	TYT	TYT	700	250	741787	8.646,40	308180	9.530,00
	TYT	TYT	700	300	741788	9.574,70	308182	10.556,50
	TYT	TYT	700	400	741789	11.373,10	308184	12.540,10
	TYT	TYT	700	700	705563	14.479,00	308186	15.960,40
	TYT	TYT	800	300	741791	12.064,10	308192	13.299,50
	TYT	TYT	800	400	741792	10.141,40	308193	11.180,50
	TYT	TYT	800	700	741793	14.188,20	308194	15.641,00
	TYT	TYT	800	800	741796	14.982,30	308195	16.518,40

Double socket pieces with 45° socket branch (MMC): see sewage programme page 138

Item	Socket version ₁	Socket version ₂	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends (MMK) 	SMU	SMU	40	11°	743820	352,90	308232	389,00
	SMU	SMU	65	11°	743833	385,30	308260	426,20
	SMU	SMU	80	11°	743842	398,90	308272	440,00
	SMU	SMU	100	11°	743868	297,00	308196	328,20
	SMU	SMU	125	11°	743895	382,80	308200	422,60
	SMU	SMU	150	11°	743912	435,00	308204	479,70
	SMU	SMU	200	11°	743940	804,20	308208	886,20
	SMU	SMU	250	11°	743965	1.167,00	308212	1.286,30
	SMU	SMU	300	11°	743982	1.697,70	308220	1.871,70
	SMU	SMU	350	11°	744001	1.901,60	308224	2.096,60
	SMU	SMU	400	11°	744016	4.681,70	308236	5.161,40
	TYT	TYT	80	11°	861776	152,90	758267	167,80
	TYT	TYT	100	11°	862223	136,70	754083	154,10
	TYT	TYT	125	11°	873859	221,30	758268	241,10
	TYT	TYT	150	11°	862974	200,10	754223	232,40
TYT	TYT	200	11°	863607	320,50	758270	351,70	
TYT	TYT	250	11°	875332	522,00	308213	575,40	
TYT	TYT	300	11°	873989	740,70	764388	816,60	
TYT	TYT	350	11°	710164	1.134,70	308225	1.307,40	
TYT	TYT	400	11°	864669	1.077,20	787262	1.182,00	
TYT	TYT	500	11°	864890	2.463,30	308243	2.714,30	
TYT	TYT	600	11°	865005	4.195,80	308252	4.625,80	
TYT	TYT	700	11°	724986	7.063,00	308265	7.788,70	
TYT	TYT	800	11°	715348	8.786,80	308278	10.126,60	
STB	STB	500	11°	754314	7.126,40	309580	7.857,10	
STB	STB	600	11°	754319	7.945,40	309584	8.759,50	

Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Socket version bolted-gland socket joint: prices include joint material

Item	Socket version ₁	Socket version ₂	DN ₁	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends (MMK)	SMU	SMU	40	22°	743822	820,20	308233	904,80
	SMU	SMU	65	22°	743835	385,30	308261	423,80
	SMU	SMU	80	22°	743848	370,30	308274	407,60
	SMU	SMU	100	22°	743874	313,20	308197	346,80
	SMU	SMU	125	22°	743899	422,60	308201	464,80
	SMU	SMU	150	22°	743919	472,30	308205	522,00
	SMU	SMU	200	22°	743946	872,50	308209	960,70
	SMU	SMU	250	22°	743969	1.409,40	308214	1.554,80
	SMU	SMU	300	22°	743987	1.727,50	308221	1.905,30
	SMU	SMU	350	22°	744005	2.319,10	308226	2.556,60
	SMU	SMU	400	22°	744020	4.742,70	308237	5.228,60
		TYT	TYT	80	22°	861817	160,30	758271
	TYT	TYT	100	22°	862355	141,70	754285	166,60
	TYT	TYT	125	22°	862873	228,60	758272	243,60
	TYT	TYT	150	22°	863016	246,00	758273	270,90
	TYT	TYT	200	22°	863654	372,80	758274	411,40
	TYT	TYT	250	22°	873986	555,60	308215	611,50
	TYT	TYT	300	22°	875335	684,80	764389	751,90
	TYT	TYT	350	22°	864645	1.257,70	308227	1.449,10
	TYT	TYT	400	22°	875337	1.199,60	787263	1.314,90
	TYT	TYT	500	22°	864925	2.716,80	308245	2.995,20
	TYT	TYT	600	22°	865025	4.649,40	308254	5.360,30
	TYT	TYT	700	22°	724987	7.859,60	308267	8.665,00
	TYT	TYT	800	22°	715349	10.276,90	308280	11.330,90
	STB	STB	500	22°	754315	6.630,50	309581	7.310,30
	STB	STB	600	22°	754320	8.558,10	309585	9.435,60
	SMU	SMU	40	30°	743824	800,40	308234	882,40
	SMU	SMU	65	30°	743837	556,80	308262	613,90
	SMU	SMU	80	30°	743854	381,50	308275	421,30
	SMU	SMU	100	30°	743881	325,60	308198	358,00
	SMU	SMU	125	30°	743903	407,60	308202	449,90
	SMU	SMU	150	30°	743926	540,60	308206	596,50
	SMU	SMU	200	30°	743952	879,90	308210	970,60
	SMU	SMU	250	30°	743973	1.467,70	308216	1.618,20
	SMU	SMU	300	30°	743992	1.773,50	308222	1.954,90
	SMU	SMU	350	30°	744009	2.365,10	308228	2.607,40
	SMU	SMU	400	30°	744024	2.905,70	308238	3.204,10



Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)


Socket version bolted-gland socket joint: prices include joint material


Item	Socket version ₁	Socket version ₂	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends (MMK)	TYT	TYT	80	30°	875329	162,80	758280	180,20
	TYT	TYT	100	30°	862395	142,90	754053	160,30
	TYT	TYT	125	30°	862902	252,60	758281	261,00
	TYT	TYT	150	30°	863041	249,80	754286	275,90
	TYT	TYT	200	30°	863705	411,40	758282	453,70
	TYT	TYT	250	30°	864551	482,70	308217	527,00
	TYT	TYT	300	30°	870497	876,30	764390	903,60
	TYT	TYT	350	30°	864651	1.795,90	308229	1.979,80
	TYT	TYT	400	30°	864762	1.250,10	787264	1.374,60
	TYT	TYT	500	30°	864955	2.724,30	308247	3.005,10
	TYT	TYT	600	30°	865032	5.224,80	308256	5.760,50
	TYT	TYT	700	30°	740538	10.151,40	308269	11.190,40
	TYT	TYT	800	30°	727604	11.399,20	308282	12.567,40
	STB	STB	500	30°	754316	8.324,40	309582	9.175,80
STB	STB	600	30°	754321	8.730,80	309586	9.626,90	
SMU	SMU	40	45°	743826	454,90	308235	500,90	
SMU	SMU	65	45°	743839	377,80	308263	416,30	
SMU	SMU	80	45°	743860	285,90	308276	315,70	
SMU	SMU	100	45°	743888	329,40	308199	361,60	
SMU	SMU	125	45°	743907	427,60	308203	469,80	
SMU	SMU	150	45°	743932	499,70	308207	550,50	
SMU	SMU	200	45°	743958	750,60	308211	828,90	
SMU	SMU	250	45°	743977	1.469,00	308218	1.619,40	
SMU	SMU	300	45°	743997	1.809,50	308223	1.996,00	
SMU	SMU	350	45°	744012	2.513,00	308230	2.770,20	
SMU	SMU	400	45°	744028	3.087,10	308239	3.402,90	
TYT	TYT	80	45°	875330	142,90	754081	157,90	
TYT	TYT	100	45°	862424	148,00	727229	175,30	
TYT	TYT	125	45°	862931	206,10	758283	226,20	
TYT	TYT	150	45°	863195	272,20	753884	300,70	
TYT	TYT	200	45°	863756	447,40	758284	493,40	
TYT	TYT	250	45°	864568	647,50	309579	713,30	
TYT	TYT	300	45°	873990	852,60	754283	939,50	
TYT	TYT	350	45°	706870	1.387,00	308231	1.628,10	
TYT	TYT	400	45°	864827	1.344,80	787265	1.482,70	
TYT	TYT	500	45°	864979	4.190,80	308249	4.620,80	
TYT	TYT	600	45°	865042	5.083,20	308259	5.605,20	
TYT	TYT	700	45°	724988	9.523,80	308271	10.498,20	
TYT	TYT	800	45°	715214	11.949,70	308284	13.774,20	
STB	STB	500	45°	754317	8.935,90	309583	9.851,90	
STB	STB	600	45°	754322	9.165,90	309587	10.104,20	

Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Socket version bolted-gland socket joint: prices include joint material


Item	Socket version ₁	Socket version ₂	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket bends 90° (MMQ) 	SMU	SMU	40	90°	744031	841,40	308294	928,40
	SMU	SMU	65	90°	744036	396,50	308303	436,30
	SMU	SMU	80	90°	744039	908,50	308307	1.001,80
	SMU	SMU	100	90°	744044	371,60	308285	385,30
	SMU	SMU	125	90°	744051	617,70	308286	681,10
	SMU	SMU	150	90°	744055	595,30	308287	656,20
	SMU	SMU	200	90°	744059	1.662,90	308288	1.833,20
	SMU	SMU	250	90°	744063	2.176,20	308289	2.399,90
	SMU	SMU	300	90°	744067	3.017,60	308291	3.325,80
	TYT	TYT	80	90°	875320	167,80	758285	185,20
	TYT	TYT	100	90°	863555	182,20	758286	196,40
	TYT	TYT	125	90°	863762	334,30	758287	367,90
	TYT	TYT	150	90°	863785	326,80	758288	360,40
	TYT	TYT	200	90°	864717	517,10	758289	570,40
	TYT	TYT	250	90°	870487	746,10	308290	780,50
	TYT	TYT	300	90°	864809	1.194,40	308292	1.316,10
	TYT	TYT	350	90°	714188	3.328,30	308293	3.351,90
	TYT	TYT	400	90°	864861	2.537,80	308295	3.204,10
	TYT	TYT	500	90°	876708	4.812,20	308299	5.305,60
	TYT	TYT	600	90°	712291	7.493,00	308302	7.229,50
	TYT	TYT	700	90°	719182	13.498,40	308305	15.529,20
	TYT	TYT	800	90°	712916	17.685,50	308309	19.498,70
	STB	STB	500	90°	754318	7.430,90	309588	8.195,20
	STB	STB	600	90°	754323	9.225,50	309589	10.172,60


Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tapers (MMR) 	SMU	SMU	50	40	744071	822,80	308355	907,30
	SMU	SMU	80	40	744074	1.127,70	308365	1.162,00
	SMU	SMU	80	50	744078	341,80	308366	376,60
	SMU	SMU	80	65	744082	650,00	308367	715,90
	SMU	SMU	100	50	744088	412,60	308311	454,90
	SMU	SMU	100	65	744093	391,40	308312	432,50
	SMU	SMU	100	80	744097	295,80	308313	326,80
	SMU	SMU	125	80	754102	530,70	308317	584,10
	SMU	SMU	125	100	744105	438,70	308314	483,50
	SMU	SMU	150	80	744111	571,70	308321	630,10
	SMU	SMU	150	100	744115	418,90	308319	462,30
	SMU	SMU	150	125	744120	492,20	308320	543,10
	SMU	SMU	200	100	744126	1.262,80	308322	1.392,00
	SMU	SMU	200	125	744131	692,30	308324	763,10
	SMU	SMU	200	150	744135	671,20	308326	739,50
	SMU	SMU	250	150	744143	1.236,70	308331	1.363,40
	SMU	SMU	250	200	744147	913,50	308333	1.005,50
	SMU	SMU	300	200	744156	1.389,50	308337	1.532,50
	SMU	SMU	300	250	744160	1.270,10	308339	1.399,50
	SMU	SMU	350	300	744166	4.137,00	308344	4.262,90
SMU	SMU	400	300	744175	3.390,40	308350	3.737,20	
SMU	SMU	400	350	744180	3.880,10	308352	4.277,80	

Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)


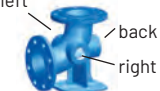
Socket version bolted-gland socket joint: prices include joint material


Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tapers (MMR) 	TYT	TYT	100	80	865021	172,70	781233	191,40
	TYT	TYT	125	80	705944	387,70	308318	427,60
	TYT	TYT	125	100	863634	254,70	308315	279,60
	TYT	TYT	150	80	875361	323,10	780689	333,10
	TYT	TYT	150	100	875362	270,90	774307	313,20
	TYT	TYT	150	125	863728	309,90	780690	319,50
	TYT	TYT	200	100	875364	396,50	308323	436,30
	TYT	TYT	200	125	725227	539,40	308325	595,30
	TYT	TYT	200	150	875365	407,60	308327	449,90
	TYT	TYT	250	150	875367	576,70	308332	635,10
	TYT	TYT	250	200	875370	551,80	308334	607,80
	TYT	TYT	300	150	703577	1.188,10	308336	1.310,00
	TYT	TYT	300	200	875371	790,40	308338	871,20
	TYT	TYT	300	250	875377	832,70	308340	918,40
	TYT	TYT	350	200	712230	2.631,10	308341	2.900,80
	TYT	TYT	350	250	725206	2.663,30	308343	2.936,80
	TYT	TYT	350	300	710897	2.816,20	308345	3.104,50
	TYT	TYT	400	250	709761	1.982,40	308349	2.186,10
	TYT	TYT	400	300	866132	1.564,70	308351	1.725,10
	TYT	TYT	400	350	711092	2.661,00	308353	2.741,70
TYT	TYT	500	300	723777	5.009,80	308357	5.523,20	
TYT	TYT	500	400	701090	4.112,60	308358	4.532,60	
TYT	TYT	600	400	705295	5.173,90	308360	5.702,10	
TYT	TYT	600	500	715364	4.758,70	308361	5.484,60	
TYT	TYT	700	600	733689	6.480,10	308364	7.145,00	

Item	Socket version	DN	Angle	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Single socket bends 90° (MQ) 	SMU	80	90°	744194	428,80	308389	472,30
	SMU	100	90°	744198	406,40	308370	448,70
	SMU	125	90°	744202	627,60	308373	691,00
	SMU	150	90°	744206	1.075,10	308376	1.184,40
	SMU	200	90°	744210	1.039,00	308379	1.145,80
	TYT	80	90°	875325	328,50	308390	338,10
	TYT	100	90°	875326	300,70	308371	330,60
	TYT	125	90°	705553	568,00	308374	626,40
	TYT	150	90°	875327	530,60	308377	546,90
	TYT	200	90°	874479	924,70	308380	1.020,40
	TYT	250	90°	739401	2.813,80	308383	3.102,10
	TYT	300	90°	723244	3.164,20	308386	3.486,10

Socket version Tyton: prices are without joint material

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)


Item	DN	PN	Thread	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec	
Double flanged duckfoot bends (N) 	50	40		862905	222,50	308397	246,00	
	65	16		870073	396,50	308400	435,00	
	80	40		750046	159,10	756556	174,00	
	100	16		862998	228,60	704333	252,30	
	125	16		873659	461,10	308391	509,60	
	150	16		877562	429,60	774236	462,30	
	200	10		878947	805,40	784504	887,40	
	200	16		877014	886,20	308392	975,70	
	250	10		866078	1.406,80	308393	1.549,90	
	250	16		703202	1.547,30	308394	1.705,20	
	300	10		874511	1.603,20	784506	1.767,30	
	300	16		710573	1.763,60		upon request	
	350	10		709229	5.468,40	308395	6.027,80	
	350	16		700049	6.288,70		upon request	
	400	10		706994	5.779,20	308396	6.370,80	
	400	16		700121	6.646,60	787290	7.326,50	
	500	10		711278	7.591,20	308398	8.368,00	
	500	16		760502	8.729,60		upon request	
	Double flanged duckfoot bends (N) with tapping  left back right	600	10		715789	12.009,40	308399	13.239,80
		600	16		715730	13.810,20		upon request
700		10		715800	22.658,00	308401	24.982,00	
700		16			upon request		upon request	
800		10		718922	21.696,10	308402	23.917,00	
800		16		717479	24.947,30		upon request	
possible placement of tapping/tappings		with tapping on the back	80		1 1/2"	722498	491,00	
		with tapping left-hand side	80		1 1/2"	738789	491,00	
Other tapping sizes on request		with tapping right-hand side	80		1 1/2"	738791	491,00	
		with tapping on both sides	80		1 1/2"	735803	513,30	
	with three tappings	80		1 1/2"	766991	541,80		


Item	Socket version	DN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Plugs (P) 	SMU	40	744230	146,60		
	TYT	80	874544	84,50	308864	93,20
	TYT	100	870307	82,00	308865	90,70
	TYT	150	709857	129,20	308866	141,70
	TYT	200	873995	179,00	870328	197,60
	TYT	250	742409	430,00	308867	473,50
	TYT	300	782478	380,30	308415	421,30


Item	DN	Thread	Item no. Epoxy	€ Epoxy	
Screw plugs (PX) (including rubber gasket and gliding ring; threaded hole included) 	SMU	40	1"	750529	101,90
	SMU	40	1 1/4"	750530	101,90
	SMU	40	1 1/2"	750531	101,90
	SMU	40	2"	750533	106,90


Socket version Tyton: prices are without joint material


Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)


Item	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double flanged bends 90° (Q) 	40	40	867679	126,80	308422	145,40
	50	40	867822	143,60	867824	156,70
	65	16	867847	191,40	753145	211,20
	80	40	867896	157,90	725627	186,50
	100	16	867924	180,20	867915	211,20
	125	16	867941	268,50	872780	285,90
	150	16	867961	299,50	872779	351,70
	200	10	867993	517,10	721281	607,80
	200	16	874749	606,60	756439	668,60
	250	10	868042	861,80	722886	927,10
	250	16	703201	868,80	308418	1.020,40
	300	10	868069	1.107,80	764988	1.142,20
	300	16	868077	1.128,40	308419	1.244,00
	350	10	704035	2.806,00	308420	2.890,90
	350	16	700043	upon request	308421	3.523,40
	400	10	868093	2.811,30	749580	3.099,60
	400	16	700011	2.895,80	743774	3.192,80
	500	10	868278	5.492,10	759475	6.055,10
	500	16	710604	6.317,30	308423	6.963,60
	600	10	705976	9.599,60	759477	10.584,00
	600	16	715369	11.041,20		upon request
	700	10	715799	12.265,50	308425	12.936,60
	700	16	710443	14.107,40		upon request
800	10	733938	14.757,30	308426	16.269,80	
800	16	715370	16.970,80		upon request	


Item	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All flanged tees (T) 	40	40	40	867060	210,00	308448	230,00
	50	40	40	867097	268,50	308456	295,80
	50	50	40	867121	210,10	750479	217,50
	65	40	16	870555	377,60	308473	389,00
	65	50	16	870556	297,00	308474	326,80
	65	65	16	867152	261,00	753147	300,70
	80	40	40	701268	259,80	308482	287,10
	80	50	40	867172	252,30	772560	278,40
	80	65	16	702710	331,80	308483	365,40
	80	80	40	867202	196,40	725628	219,90
	100	40	16	875447	259,80	707057	299,50
	100	50	16	867245	240,60	867241	259,80
	100	65	16	874191	288,60	753144	297,00
	100	80	16	867271	202,50	867268	239,40
	100	100	16	867290	208,80	872778	250,10
	125	40	16	867310	508,40	308427	560,50
	125	50	16	867318	488,00	728938	500,90
	125	80	16	867333	297,90	758297	326,80
	125	100	16	867710	340,40	872777	352,90
	125	125	16	867717	336,40	703122	367,90
	150	50	16	870486	426,80	724694	446,20
	150	65	16	867748	1.205,50	308430	1.329,80
	150	80	16	867758	336,90	704334	398,90


Item	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All flanged tees (T) 	150	100	16	867775	336,90	867767	398,90
	150	125	16	875289	446,70	703124	482,30
	150	150	16	867802	354,20	872776	426,80
	200	80	10	867836	561,10	722888	589,00
	200	80	16	700039	587,80	735256	677,30
	200	100	10	867859	581,70	722891	641,30
	200	100	16	875256	633,00	781300	681,10
	200	125	10	867883	790,40	757060	871,20
	200	125	16	724028	794,10	308431	876,10
	200	150	10	868102	570,40	722892	626,40
	200	150	16	706280	669,00	735255	687,20
	200	200	10	868117	589,00	703125	618,90
	200	200	16	868130	660,90	774393	710,90
	250	80	10	876792	937,10	722887	1.099,90
	250	80	16	711134	1.050,20	301086	1.210,50
	250	100	10	868159	954,50	726930	1.099,90
	250	100	16	705635	1.050,20	729363	1.210,50
	250	125	10	868175	1.404,40	719263	1.547,30
	250	125	16	739459	1.543,60	308433	1.701,40
	250	150	10	868193	991,70	722890	1.142,20
	250	150	16	705636	1.139,70	301553	1.256,50
	250	200	10	875291	1.077,50	722889	1.241,60
	250	200	16	712674	1.185,70	308434	1.365,90
	250	250	10	868262	1.110,30	739974	1.217,90
	250	250	16	868294	1.140,90	750661	1.338,50
	300	80	10	874212	1.261,40	733303	1.390,80
	300	80	16	706955	1.284,60	774394	1.382,00
	300	100	10	874376	1.167,60	771811	1.371,10
	300	100	16	705738	upon request	308435	1.409,40
	300	150	10	868498	1.256,70	774306	1.378,30
	300	150	16	708317	1.406,90	764391	1.516,30
	300	200	10	875292	1.280,60	763881	1.378,30
	300	200	16	705973	1.472,10	784032	1.516,30
	300	250	10	876793	1.814,50	308436	2.001,00
	300	250	16	868528	1.932,60	308437	2.131,40
	300	300	10	868533	1.386,90	774238	1.520,00
	300	300	16	705492	1.525,40	784760	1.671,60
	350	80	10	868546	upon request	308446	3.368,10
	350	80	16	712363	3.758,20	308447	3.873,90
	350	100	10	703961	3.230,10	308438	3.328,30
	350	100	16	724704	upon request		upon request
	350	150	10	725304	3.117,10	308439	3.212,80
350	150	16	700047	upon request		upon request	
350	200	10	703963	3.798,00	308440	3.913,60	
350	200	16	725255	3.496,10	308441	3.855,30	
350	250	10	738253	4.824,70	308442	5.319,30	
350	250	16	725256	upon request		upon request	
350	300	10	868572	upon request	308443	4.748,80	
350	300	16	724705	5.013,60	308444	5.528,10	
350	350	10	703965	4.849,60	308445	5.346,70	
350	350	16	700044	5.388,80		upon request	
400	80	10	705787	3.113,20	787180	3.431,50	

Item	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All flanged tees (T)	400	80	16	706723	3.580,50	772493	3.946,00
	400	100	10	868588	2.977,80	777773	3.431,50
	400	100	16	712366	3.424,00	308449	3.946,00
	400	150	10	703990	2.995,20	788493	3.452,60
	400	150	16	700446	3.603,00	308450	3.798,10
	400	200	10	868612	3.146,30	783793	3.452,60
	400	200	16	710335	3.603,00	308451	3.970,90
	400	250	10	712331	4.025,50	787267	4.440,60
	400	250	16	712364	4.348,70	308452	5.105,50
	400	300	10	701360	3.830,40	751915	4.223,10
	400	300	16	712365	4.404,60	308453	4.855,70
	400	400	10	868639	3.497,30	785762	4.105,10
	400	400	16	700447	4.096,40	308455	4.721,50
	500	100	10	868657	6.184,30	772791	6.818,20
	500	100	16	710529	7.112,70	308457	7.841,00
	500	150	10	868661	5.837,50	765408	6.434,10
	500	150	16	707422	6.712,50		upon request
	500	200	10	868667	5.108,00	772790	5.631,30
	500	200	16	707615	6.711,30	308458	7.401,00
	500	250	10	877176	6.322,20	308459	6.971,10
	500	250	16	710532	7.270,60		upon request
	500	300	10	868679	6.341,00	778775	6.989,70
	500	300	16	700009	7.290,40	308460	8.037,30
	500	350	10	723202	6.272,60	308461	6.916,40
	500	350	16	775050	7.213,30		upon request
	500	400	10	709782	5.954,30	777669	6.989,70
	500	400	16	736905	7.898,20	308462	8.707,30
	500	500	10	868695	6.345,90	772789	7.316,50
	500	500	16	707421	7.629,70	308463	8.413,90
	600	100	10	705297	9.011,80	751725	10.386,40
	600	100	16	708922	10.176,30	308465	11.944,80
	600	150	10	868711	8.847,70	722661	10.386,40
	600	150	16	700104	10.834,90		upon request
600	200	10	868715	9.421,80	308466	10.386,40	
600	200	16	873650	10.834,90	308467	11.944,80	
600	250	10	741825	9.614,50	308468	11.082,30	
600	250	16	715222	11.560,80		upon request	
600	300	10	868719	8.259,80	308469	9.696,60	
600	300	16	729760	11.077,30		upon request	
600	350	10	736574	9.676,70	308470	10.667,20	
600	350	16	715220	11.125,80		upon request	
600	400	10	868725	9.634,40	743972	10.621,20	
600	400	16	715351	11.079,80		upon request	
600	500	10	868732	8.907,30	759465	10.288,20	
600	500	16	710533	10.244,60		upon request	
600	600	10	700649	8.907,30	308471	9.822,10	
600	600	16	873663	10.244,60	308472	11.293,50	
700	100	10	729447	10.903,30	308476	12.020,60	
700	100	16	710535	12.538,90		upon request	
700	200	10	873798	11.941,00	308477	13.164,10	
700	200	16	739300	13.732,00		upon request	
700	400	10	709485	11.746,00	308478	13.539,30	

Item	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All flanged tees (T) 	700	400	16	761306	14.121,00		upon request
	700	500	10	868754	14.911,40	308479	16.440,10
	700	500	16	724989	17.148,50		upon request
	700	600	10	711225	12.480,40	308480	13.759,40
	700	600	16	724990	14.352,20		upon request
	700	700	10	702849	12.403,40	308481	14.296,30
	700	700	16	710540	14.912,70		upon request
	800	100	10	711961	16.704,90	308484	18.416,20
	800	100	16	727961	19.210,40		upon request
	800	200	10	877991	15.945,50	308485	17.578,60
	800	200	16	715359	18.336,70		upon request
	800	300	10	711960	17.414,40	308486	19.199,20
	800	300	16	715257	20.026,90		upon request
	800	400	10	705183	16.622,80	308487	18.325,50
	800	400	16	715218	19.114,70		upon request
	800	500	10	729287	18.002,40	308488	19.847,90
	800	500	16	723482	20.703,00		upon request
	800	600	10	711959	17.220,60	308489	19.847,90
	800	600	16	715217	20.703,00		upon request
	800	700	10	726906	17.972,60	308490	19.814,30
800	700	16		upon request		upon request	
800	800	10	877990	18.830,10	308491	20.759,00	
800	800	16	724991	21.655,00		upon request	


Item	DN ₁	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All flanged cross tees (TT) 	50	50	40	874903	586,60	308505	674,80
	80	80	40	868246	507,00	309590	559,30
	100	80	16	700894	820,20	308492	600,30
	100	100	16	868282	520,80	749493	904,80
	125	125	16	702729	1.044,00	308493	1.150,90
	150	100	16	868332	1.051,40	776259	1.211,80
	150	150	16	868345	985,60	784945	1.137,10
	200	100	10	874378	1.820,80	749494	2.008,50
	200	100	16	739432	2.004,70	308494	2.208,50
	200	150	10	868368	1.993,50	308495	2.198,60
	200	150	16	728571	2.193,60	308496	2.417,30
	200	200	10	874379	1.398,20	771444	1.539,80
	200	200	16	868390	1.537,40	304738	1.693,90
	250	250	10	868425	2.818,80	308497	3.108,30
	250	250	16	713298	3.100,90	308498	3.417,80
	300	300	10	700654	4.787,40	308499	5.278,30
	300	300	16	717804	5.071,90	308500	5.591,50
	350	350	10	726608	6.833,00	308501	7.535,20
	350	350	16	742224	8.606,50	308502	9.489,00
	400	400	10	704071	7.918,10	308503	8.729,60
400	400	16	741314	9.106,20	308504	10.039,60	
500	500	10	717598	11.375,60	308506	12.542,70	
500	500	16	724157	13.678,60		upon request	


Item	Socket version ₁	Socket version ₂	DN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Collars (U) 	SMU	SMU	40	744260	218,70	308516	241,10
	SMU	SMU	50	744263	367,90	308520	405,20
	SMU	SMU	65	744265	372,80	308522	410,20
	SMU	SMU	80	744269	247,40	308526	272,20
	SMU	SMU	100	744278	243,60	308507	272,20
	SMU	SMU	125	744287	320,70	308508	370,30
	SMU	SMU	150	744294	365,40	308509	402,70
	SMU	SMU	200	744309	519,50	308511	600,30
	SMU	SMU	250	744319	882,40	308513	973,10
	SMU	SMU	300	744332	1.078,50	308514	1.111,10
	SMU	SMU	350	744340	1.643,60	308515	1.692,70
	SMU	SMU	400	744346	1.752,40	308517	2.018,40
	SMU	SMU	500	744358	4.223,10	308521	4.655,60
	STB	STB	400	754324	3.169,30	309591	3.494,80
	STB	STB	500	754325	4.981,20	309592	5.490,80
STB	STB	600	754326	6.001,60	309593	6.618,00	
STB	STB	700	754327	10.186,20	309594	11.741,00	
STB	STB	800	754328	12.660,70	309595	13.957,00	

Item	DN	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Blank flanges (X) 	40	40	757740	32,40	785068	38,50
	50	40	757744	38,50	754212	46,00
	65	16	757753	53,30	784769	53,40
	80	40	869808	43,50	753883	49,50
	100	16	869819	47,20	753859	55,90
	125	16	869832	69,60	760514	85,20
	150	16	869839	87,00	723376	103,10
	200	10	869855	124,30	754082	145,40
	200	16	869864	142,90	711968	159,10
	250	10	869877	234,90	739975	275,90
	250	16	869884	275,90	308529	303,30
	300	10	869899	305,70	774268	360,40
	300	16	869923	336,90	784914	397,70
	350	10	703743	441,20	308530	487,20
	350	16	704130	485,90	308531	560,50
	400	10	869962	534,50	785757	627,60
	400	16	714960	616,50	772521	722,00
	500	10	869992	877,50	760946	1.030,30
	500	16	874678	1.009,10	308532	1.185,70
	600	10	871251	1.408,20	308533	1.621,80
	600	16	873588	2.153,90	308534	2.375,00
	700	10	870010	3.267,30	308535	3.604,20
	700	16	738701	3.760,90		upon request
800	10	709855	3.631,50	308536	4.003,10	
800	16	715226	4.175,90		upon request	

Socket version screw-gland: prices are including screw ring (without sealing gasket and gliding ring)

Socket version bolted-gland socket joint: prices include joint material

Item	DN	PN	Threaded hole	Item no. Epoxy	€ Epoxy
Blank flanges with threaded hole (XG) 	40	40	¾"	758110	67,80
	40	40	1"	757715	63,40
	40	40	1¼"	757716	69,60
	40	40	1½"	757717	69,60
	40	40	2"	757718	77,10
	50	40	¾"	757908	75,90
	50	40	1"	757719	70,90
	50	40	1¼"	757720	75,80
	50	40	1½"	757723	75,80
	50	40	2"	757724	83,20
	65	16	½"	300302	upon request
	65	16	¾"	742015	upon request
	65	16	1"	757725	86,50
	65	16	1¼"	757726	85,80
	65	16	1½"	757727	85,80
	65	16	2"	757728	93,20
	80	40	½"	750348	upon request
	80	40	¾"	729318	upon request
	80	40	1"	703998	74,50
	80	40	1¼"	703993	79,60
	80	40	1½"	703588	79,60
	80	40	2"	762324	87,00
	100	16	½"	757867	upon request
	100	16	¾"	749556	upon request
	100	16	1"	704535	78,30
	100	16	1¼"	871037	83,20
	100	16	1½"	870818	83,20
	100	16	2"	761998	90,70
	125	16	1"	702734	107,60
	125	16	1¼"	878925	113,10
	125	16	1½"	876052	105,70
	125	16	2"	763632	113,10
150	16	1"	876821	126,40	
150	16	1¼"	719721	133,00	
150	16	1½"	871054	124,30	
150	16	2"	762325	131,80	
200	10	1"	702878	166,20	
200	10	1¼"	733212	upon request	
200	10	1½"	705314	171,50	
200	10	2"	762809	167,80	
200	16	1"	713331	upon request	
200	16	1¼"	765732	upon request	
200	16	1½"	730664	upon request	
200	16	2"	762836	187,70	
250	10	1¼"	790490	upon request	
250	10	1½"	871079	289,90	
250	10	2"	762326	297,90	
250	16	1¼"	798332	313,20	
250	16	1½"	729540	313,20	
250	16	2"	762865	320,70	


Item	DN	PN	Threaded hole	Item no. Epoxy	€ Epoxy
Blank flanges with threaded hole (XG) 	300	10	1 1/2"	877726	343,00
	300	10	2"	765486	367,90
	300	16	1 1/2"	716750	374,10
	300	16	2"	765497	408,20
	350	10	1 1/2"	752142	478,50
	350	10	2"	729678	485,90
	350	16	1 1/2"	779970	upon request
	350	16	2"	785376	567,80
	400	10	1 1/2"	704394	570,40
	400	10	2"	871103	577,90
	400	16	1 1/2"	707033	652,50
	400	16	2"	780725	659,90
	500	10	1 1/2"	729495	914,70
	500	10	2"	718272	922,20
	500	16	1 1/2"	722825	1.046,40
	500	16	2"	874680	1.053,90
	600	10	2"	871116	1.452,90
	600	16	2"	752388	upon request
	700	10	2"	739930	3.312,20
	700	16	2"	776840	3.804,30


As a rule, threaded holes for DN 40 up to DN 250 are centric, from DN 300 excentric.
Further versions on request.


Hatchboxes see sewage programme page 138


Item	DN	Item no. Epoxy	€ Epoxy
Transition flange 4/8 holes	80	869414	77,10




Item	DN	PN	Item no. Epoxy	€ Epoxy
Flanged bellmouths 	80	40	703106	350,50
	100	16	700094	325,60
	150	16	700052	407,60
	200	10	875566	566,70
	200	16	700041	621,40
	250	10	709230	889,90
	250	16	700136	978,10
	300	10	714207	1.082,60
	300	16	710572	1.190,70
	350	10	741826	3.791,90
	350	16	700042	4.361,10
	400	10	869487	1.933,80
	400	16	700010	3.235,10
	500	10	712255	4.910,40
	500	16	715384	6.184,30
	600	10	736819	7.005,80
600	16	715385	8.056,00	


Item	DN	D	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged sockets (E-KS) 	50	63	40	750632	72,10	309357	88,30
	65	75	16	750635	72,10	309359	88,30
	80	90	40	750637	57,20	309360	80,80
	100	110	16	750639	64,60	309349	87,00
	125	140	16	750641	105,70	309350	133,00
	150	160	16	750643	110,60	309351	136,70
	200	225	10	750645	186,50	309352	227,40
	200	225	16	750647	216,70	322247	249,80
	250	280	10	750649	326,80	309353	398,90
	250	280	16	750650	392,80		
	300	315	10	750652	412,60	309354	504,60
	300	315	16	750653	543,10		
	400	450	10	750654	1.387,00	309355	1.743,70
	400	450	16		1.594,50		


Item	DN	D	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged socket duckfoot bends (EN-KS) 	80	90	40	750656	258,50	309367	329,40
	100	110	16	750658	314,30	309363	319,50
	150	160	16	750659	597,90	309365	607,80

Item	DN	D	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Flanged spigots (F-KS) 	50	63	40	868900	72,10		90,70
	65	75	16	868953	88,30		111,80
	80	90	40	868956	84,50		90,70
	100	110	16	868966	78,30		101,90
	125	140	16	868968	113,10		144,20
	150	160	16	868970	119,30		152,90
	200	225	10	869574	183,90		226,20
	200	225	16	869653	256,10		298,30
	250	280	10	869656	471,00		590,40
	250	280	16	757604	518,30		
	300	315	10	869658	551,80		689,80
	300	315	16	877896	upon request		
	400	450	10	726079	1.374,60		1.718,80
	400	450	16	877897	1.580,90		1.977,30


Item	DN ₁	D	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA-KS) 	50	63	50	40	750680	119,30		162,80
	65	75	50	40	750681	154,10		202,50
	65	75	65	16	750682	215,00		226,20
	80	90	50	40	750683	141,70		190,10
	80	90	65	16	750684	236,10		248,60
	80	90	80	40	750686	142,30	322498	166,20
	100	110	100	16	750692	144,20	309376	191,40
	100	110	50	40	750687	174,00		228,60
	100	110	65	16	750688	244,80		258,50


Socket version KS: prices include the sealing gasket


Item	DN ₁	D	DN ₂	PN	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tees with flanged branch (MMA-KS) 	100	110	80	16	750690	134,20	309382	183,90
	125	140	50	40	754522	372,80		391,40
	125	140	65	16	750693	300,70		391,40
	125	140	80	16	750695	190,10	309391	247,40
	125	140	100	16	750697	211,20	309383	267,20
	125	140	125	16	750699	285,90	309385	316,90
	150	160	50	40	750701	359,20		449,90
	150	160	65	16	750702	359,20		449,90
	150	160	80	16	750704	212,60	309403	277,20
	150	160	100	16	750706	215,00	309393	278,40
	150	160	125	16	750707	303,30	309396	391,40
	150	160	150	16	750709	319,50	309397	401,50
	200	225	80	16	750711	320,70	309412	406,40
	200	225	100	16	750713	384,10	309404	482,30
	200	225	150	16	750714	775,50	309409	835,20
	200	225	200	10	750715	635,10	309411	694,70
	200	225	200	16	750716	518,30		
	250	280	80	40	750718	919,70		1.145,80
	250	280	100	16	750720	1.061,40		1.327,40
	250	280	150	16	750721	1.147,20		1.436,70
	250	280	200	10	750722	1.486,40		1.854,30
	250	280	200	16				
	250	280	250	10	750723	1.762,30		2.165,00
	250	280	250	16				
	300	315	80	40	750725	1.021,60		1.282,60
	300	315	100	16	750726	1.133,40		1.415,50
	300	315	150	16	750727	1.361,00		1.693,90
	300	315	200	10	754542	1.585,80		1.962,40
	300	315	200	16				
	300	315	250	10	750729	1.640,60		2.053,10
	300	315	250	16				
	300	315	300	10	750730	2.096,60		2.550,30
	300	315	300	16				
400	450	80	40	750731	4.394,60			
400	450	100	16	750732	4.394,60			
400	450	150	16	750733	4.837,10			
400	450	200	10	750734	4.883,00			
400	450	200	16					
400	450	400	10	750735	5.504,40			
400	450	400	16					

Item	DN ₁	D ₁	DN ₂	D ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All socket tees (MMB-KS) 	50	63	50	63	750736	109,40		
	65	75	50	63	750737	135,50		
	65	75	65	75	750738	144,20		
	80	90	50	63	750739	145,40		
	80	90	65	75	750740	172,70		
	80	90	80	90	750742	172,70		
	100	110	50	63	750743	183,90		
	100	110	65	75	750744	191,40		253,50
	100	110	80	90	750746	197,60		266,00

Socket version KS: prices include the sealing gasket

Item	DN ₁	D ₁	DN ₂	D ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
All socket tees (MMB-KS) 	100	110	100	110	750748	206,30		
	125	140	50	63	750749	264,70		345,60
	125	140	65	75	750750	279,60		361,60
	125	140	80	90	750751	279,60		355,50
	125	140	100	110	750753	298,30		379,00
	125	140	125	140	750754	304,50		387,70
	150	160	50	63	750755	370,30		463,60
	150	160	65	75	750756	367,90		471,00
	150	160	80	90	750757	360,40		456,10
	150	160	100	110	750759	334,30		416,30
	150	160	125	140	750760	437,50		550,50
	150	160	150	160	750762	406,40		510,80
	200	225	80	90	750763	550,50		688,60
	200	225	100	110	750765	527,00		663,70
	200	225	125	140	750766	870,00		1.092,50
	200	225	150	160	750767	663,70		835,20
200	225	200	225	750768	985,60		1.230,40	


Item	DN	D	Branch threaded hole	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double sockets with internal threaded branch (MMI-KS) 	50	63	2"	754544	169,00		221,30
	65	75	2"	750775	195,20		256,10
	80	90	2"	750779	161,60		210,00
	100	110	2"	750784	198,80		261,00
	125	140	2"	750788	459,80		597,70
	150	160	2"	750793	325,60		425,00
	200	225	2"	750797	512,00		666,10
	250	280	2"	750798	1.333,50		1.732,50
	300	315	2"	750799	1.689,00		2.192,40

Item	DN ₁	D ₁	DN ₂	D ₂	Item no. Epoxy	€ Epoxy	Item no. etec	€ etec
Double socket tapers (MMR-KS) 	65	75	50	63	750801	87,00		174,00
	80	90	50	63	750803	100,60		135,50
	80	90	65	75	750804	108,10		137,90
	100	110	50	63	750805	118,10		152,90
	100	110	65	75	750806	114,40		287,10
	100	110	80	90	750808	124,30		165,30
	125	140	80	90	750809	183,90		236,10
	125	140	100	110	750811	183,90		236,10
	150	160	80	90	750813	210,00		295,80
	150	160	100	110	750815	226,20		299,50
	150	160	125	140	750817	228,60		273,40
	200	225	100	110	750819	334,30		428,80
	200	225	125	140	750821	410,20		524,40
	200	225	150	160	750823	377,80		483,50
	250	280	100	110	750824	698,50		876,10
	250	280	150	160	750825	698,50		876,10
	250	280	200	225	750827	794,10		978,10


Socket version KS: prices include the sealing gasket

Item	Socket version	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
 SM 90	clay pipe socket	250 – 300	150	90°	758433	134,20
	clay pipe socket	350	150	90°	758434	154,10
	clay pipe socket	400 – 600	150	90°	758435	148,00
	clay pipe socket	700 – 1.200	150	90°	758436	148,00


**Drilling saddle piece for cast iron, steel or fibre cement pipe
90° branch with clay pipe socket and NBR sealing**

Item	Socket version	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
 SM 45	clay pipe socket	250 – 300	150	45°	760498	190,10
	clay pipe socket	350 – 400	150	45°	760499	236,10


**Drilling saddle piece for cast iron, steel or fibre cement pipe
45° branch with clay pipe socket and NBR sealing**

Item	Socket version	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
 SI 90	spigot end	250 – 300	150	90°	758448	105,70
	spigot end	400 – 600	150	90°	758450	136,70
	spigot end	700 – 1.200	150	90°	758449	136,70
	spigot end	300	200	90°	758437	148,00
	spigot end	350	200	90°	765380	171,50
	spigot end	400	200	90°	758439	164,00
	spigot end	500 – 600	200	90°	758451	164,00
	spigot end	700 – 800	200	90°	758440	148,00
	spigot end	900 – 1.200	200	90°	758438	164,00


**Drilling saddle piece for cast iron, steel or fibre cement pipe
90° branch with spigot for ductile iron pipe**

Item	Socket version	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
 SI 90	spigot end	250 – 300	150	90°	758445	105,70
	spigot end	400 – 600	150	90°	758447	136,70
	spigot end	700 – 1.200	150	90°	758446	151,60
	spigot end	300	200	90°	758441	148,00
	spigot end	350	200	90°	758453	186,50
	spigot end	400	200	90°	758454	164,00
	spigot end	500 – 600	200	90°	758452	148,00
	spigot end	700 – 800	200	90°	758443	164,00
	spigot end	900 – 1.200	200	90°	758444	164,00


**Drilling saddle piece for cast iron, steel or fibre cement pipe
90° branch with spigot for clay pipe**

Item	Socket version	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
 SI 45	spigot end	250 – 300	150	45°	760500	185,20


**Drilling saddle piece for cast iron, steel or fibre cement pipe
45° branch with spigot for ductile iron pipe**

Item	Socket version	DN ₁	Item no. Epoxy	€ Epoxy
MM 	TYT	150	788333	106,90
	TYT	200	788332	131,80
	TYT	250	788335	172,70
	TYT	300	788336	277,20
	TYT	350	788337	387,70
	TYT	400	788340	472,30
	TYT	500	788341	656,20
	TYT	600	788342	832,70
	TYT	700	788343	1.324,80
	TYT	800	788344	2.191,10


TYTON® coupling with TYTON® NBR seals

Item	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
ICI 	200	150	67°	757124	256,10


Spigot end branch

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
MMI 45 	TYT	spigot end	200	150	45°	710644	397,70

Double socket branch with TYTON® sockets, branch with spigot for ductile iron pipe

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
MMI 67 	TYT	spigot end	200	150	67°	757126	415,10

Double socket branch with TYTON® sockets, branch with spigot for clay pipe

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
MMM 	TYT	clay pipe socket	200	150	45°	788347	410,20

Double socket branch with TYTON® sockets, branch with clay pipe socket and NBR sealing

Sewage fittings: prices are including TYTON® sealing gasket NBR

Item	DN ₂	Item no. Epoxy	€ Epoxy
RVD	150	590029	90,70



Pipe sealing cap complete

Item	Socket version	DN ₁	Item no. Epoxy	€ Epoxy
SA	TYT	150	750534	70,90
	TYT	200	750535	78,30
	TYT	250	750536	120,50
	TYT	300	750537	156,70
	TYT	400	750538	277,20
	TYT	500	750539	436,30
	TYT	600	750540	551,80
	TYT	700	788348	1.029,00
	TYT	800	788349	1.296,20
	TYT	900	788350	2.197,40
	TYT	1000	788351	2.767,80



Manhole connection piece with TYTON® socket and TYTON® NBR sealing

Item	DN ₁	PN	Item no. Epoxy red	€ Epoxy red	Item no. Epoxy blue	€ Epoxy blue
Double flanged hatchbox	80	16	767317	796,70	767318	796,70
	100	16	767321	866,20	767320	866,20
	125	16	767409	1.129,80	776882	1.129,80
	150	16	767416	949,60	767412	949,60
	200	10	767431	1.354,70	767430	1.355,90
	250	10	767438	1.851,80	778432	2.329,00
	300	10	767456	2.290,50	767455	2.187,30
	350	10	767472	2.547,90	754674	2.518,00
	400	10	767475	3.503,60	767474	3.822,90
	500	10	767479	4.152,30	754676	3.963,40



Hatchbox with TYTON® sockets: on request

Item	Socket version ₁	Socket version ₂	DN ₁	DN ₂	Angle	Item no. Epoxy	€ Epoxy
MMC	TYT	TYT	100	100		788058	243,60
	TYT	TYT	150	100		788059	348,00
	TYT	TYT	150	150		788061	297,00
	TYT	TYT	200	150		788062	412,60
	TYT	TYT	200	200		788063	387,70



Double socket pieces with 45° socket branch

Sewage fittings: prices are including TYTON® sealing gasket NBR

Item	DN	Item no.	€
Screwed socket connection with Düker SPEZIAL thrust-resistant joint consisting of: screw ring with gliding chamfer, locking ring, gliding ring and sealing gasket	40	736549	111,40
	50	736550	130,40
	65	736551	155,70



Item	DN	Item no.	€
Screwed socket connection with Düker SPEZIAL thrust-resistant joint DN 80 up to DN 250 consisting of: screw ring with gliding chamfer, locking ring, SPEZIAL screw ring, gliding ring and sealing gasket DN 300 up to DN 400 consisting of: screw ring with gliding chamfer, locking ring, SPEZIAL screw ring, gliding ring and sealing gasket	80	735739	177,20
	100	735740	196,20
	125	735741	277,20
	150	735742	258,10
	200	735743	332,80
	250	735744	437,80
	300	735745	647,80
	400	735746	944,00





Item	DN	Item no. EPDM	€ EPDM	Item no. NBR	€ NBR
Sealing gasket screw-gland socket	40	102345	5,50	502301	11,70
	50	502346	7,10	102304	12,20
	65	502308	7,10	102307	13,70
	80	102311	9,80	502310	13,90
	100	102350	9,80	502313	16,70
	125	102317	11,20	502316	19,40
	150	502320	13,90	502319	23,70
	200	102326	18,20	102325	30,60
	250	502328	25,10	502329	39,00
	300	502332	30,60	502331	50,10
	350	502335	41,80	502334	72,20
	400	502338	44,50	102337	74,60
	500	502344	81,00	102343	130,40




Item	DN	Item no.	€
Gliding ring standard for screw-gland socket	40	555907	4,30
	50	555908	4,30
	65	555909	6,00
	80	555896	4,30
	100	555897	5,50
	125	555898	5,90
	150	555899	7,10
	200	555900	11,80
	250	555901	15,50
	300	555902	18,40
	350	556026	28,50
	400	555915	29,40
	500	555918	84,70



Item	DN	Item no. Epoxy blue	€ Epoxy blue	Item no. Epoxy black	€ Epoxy black
Screw ring for screw-gland socket 	40	871260	33,10	871262	30,70
	50	873677	67,00	874081	63,30
	65	871268	70,80	871271	68,40
	80	871276	39,00	871278	39,00
	100	871283	46,10	871284	46,10
	125	871289	57,20	871290	57,20
	150	871296	70,80	871298	70,80
	200	871303	96,20	871304	96,20
	250	871697	132,80	871698	132,80
	300	871700	172,00	871701	172,00
	350	709984	273,60	874240	273,60
	400	871704	313,80	871705	335,80
	500	701273	589,70	874242	589,70

Item	DN	Item no.	€
TYTON SIT PLUS® including marking ring EPDM 	80	718291	37,80
	100	718292	39,00
	125	718293	51,70
	150	718294	52,90
	200	718295	106,30
	250	718296	126,50
	300	718297	182,30
	350	718298	329,00
	400	718299	401,20
	500	718300	561,90
	600	718301	747,80

Item	DN	Item no. EPDM	€ EPDM	Item no. NBR	€ NBR
Sealing gasket TYTON® 	80	101500	5,50	101499	11,20
	100	502314	5,50	101488	11,20
	125	101501	9,80	101531	13,90
	150	101502	9,80	101489	16,70
	200	101503	12,70	101498	25,10
	250	101505	15,50	101510	30,60
	300	101506	21,00	101511	33,50
	350	101507	30,60	101512	47,30
	400	101508	30,60	101513	58,40
	500	101527	44,50	101515	94,90
	600	101528	64,60	101516	144,30
	700	101529	113,90	101517	232,80
	800	101530	174,60	101518	359,30
	1000	501533	378,40	704719	758,00

§ 1 SCOPE OF APPLICATION

- (1) These General Terms and Conditions of Delivery and Payment (Terms and Conditions of Delivery) apply to all of our business relations with our customers (each, a "Customer"). The Terms and Conditions of Delivery apply only if the Customer is an entrepreneur (section 14 of the German Civil Code (Bürgerliches Gesetzbuch, BGB)), a legal entity under public law or a special fund under public law.
- (2) Unless agreed otherwise, these Terms and Conditions of Delivery are applicable in the version validly in effect at the time the Customer places an order or, in any case, in the version last notified to it in text form, and they constitute a framework agreement also for comparable contracts in the future, without us having to refer to them again in each instance. Our Terms and Conditions of Delivery apply exclusively.
- (3) Any general terms and conditions of business of the Customer that deviate from, conflict with, or supplement these Terms and Conditions of Delivery do not constitute part of the contract unless we have explicitly given our consent to their validity in writing. This requirement of consent applies in all cases, including where we make deliveries to the Customer without reservation notwithstanding our awareness of its general terms and conditions of business.

§ 2 CONCLUSION OF CONTRACT

- (1) Our offers are non-binding and subject to change without notice.
- (2) When the Customer orders goods, this constitutes a binding contractual offer. Unless otherwise stated in the order, we shall be entitled to accept this contractual offer within two weeks from the date on which we receive it.
- (3) Acceptance can be declared either in text form (e.g. by written order confirmation) or by delivery of the goods to the Customer.

§ 3 EXECUTION OF SHIPMENTS

Documents which form part of any order such as illustrations and drawings are not binding for the execution. We reserve the right to make relevant changes and improvements. The stated dimensions and weights represent approximate values only. This does not apply if it has been explicitly agreed upon in writing that parts will be manufactured according to specific drawings and specifications of the Customer. Deviations in dimensions and weights within the scope of tolerances customary in the industry do not entitle the Customer to price reductions or to raise complaints. We are entitled to carry out partial deliveries.

§ 4 DELIVERY TIME AND DEFAULT IN DELIVERY

- (1) The delivery period shall be agreed individually or specified by us upon acceptance of the order. If this is not the case, the delivery period shall be approximately 12 weeks from the conclusion of the contract, subject to the availability of raw materials and production capacities.
- (2) The commencement of the delivery time stated by us requires the clarification of all technical issues. Adherence to our delivery times further requires the timely and proper fulfilment of the Customer's obligations. The commencement of the delivery period is subject to the provision of any information, documents, drawings, permits, approvals or other requirements to be fulfilled by the Customer.
- (3) In the event of failure to comply with the delivery deadline due to force majeure such as riots, measures taken in the context of industrial disputes, including but not limited to, strike and lock-out, we shall be entitled to postpone delivery for the duration of the hindrance plus a reasonable start-up period or, we may, at our discretion, withdraw from the contract due to a part of it not yet being fulfilled. The Customer may demand a written declaration from us as to whether we wish to withdraw from the contract or to deliver within a reasonable grace period. We are entitled to two weeks' notice upon receipt of the request for submitting a written explanation. If no such written declaration is made, the Customer shall be entitled to withdraw from the contract insofar as it has not yet been fulfilled.
- (4) The occurrence of any default in delivery shall be determined in accordance with the statutory provisions. A warning notice (Mahnung) by the Customer shall in any event be required.
- (5) The rights of the Customer pursuant to section 8 (Other liability) of these Terms and Conditions of Delivery and our statutory rights, in particular in the event of preclusion of the obligation to perform (e.g. due to impossibility or unreasonableness of performance and/or subsequent performance), shall remain unaffected thereby.

§ 5 DELIVERY, TRANSFER OF RISK, ACCEPTANCE, DEFAULT OF ACCEPTANCE

- (1) Deliveries shall be made "ex works", which is also the place of fulfilment for delivery and any subsequent performance. At the request of the Customer, the goods will be dispatched to a different location and the costs charged to the Customer (sale by delivery). Unless agreed otherwise, we shall be entitled to determine the type of delivery ourselves (in particular, concerning the choice of carriers, shipment route, mode of transport, packaging).

- (2) The risk of accidental loss or accidental deterioration of the goods shall pass to the Customer when the goods are handed over to the Customer, at the latest. However, in the case of sale by delivery to a place other than the place of performance, the risk of accidental loss and accidental deterioration of goods, as well as the risk of delay, already passes over to the Customer when the goods are handed over to the forwarding agent, shipper or to the person or institution otherwise charged to carry out the shipment. Insofar as acceptance has been agreed within the framework of a contract for work and services, such shall be decisive for the transfer of risk. In all other cases, the statutory provisions governing contracts for work and services laws shall apply mutatis mutandis to an agreed acceptance. Delivery and/or acceptance shall be deemed to have taken place if the Customer is in default of acceptance.
- (3) If the customer is in default of acceptance or culpably violates other duties to cooperate, we shall be entitled to demand compensation for the damage incurred by us including additional expenses (e.g. storage costs). In the event of default in acceptance, the risk of accidental loss or accidental deterioration of the purchased item shall also pass to the Customer.

§ 6 TERMS OF PAYMENT

- (1) Unless otherwise agreed on a case-by-case basis, our prices applicable at the time of concluding the contract are "ex-works", plus statutory value-added tax (VAT). Insofar as nothing has been agreed in individual cases and a price list does not exist, we shall determine the price at our reasonable discretion (section 315 BGB).
- (2) In the case of sale by delivery (clause 5 (1)), the Customer shall bear the transport costs "ex works" and the costs of any transport insurance taken out at the request of the Customer. Furthermore, any customs duties, fees, taxes and other public charges shall be borne by the Customer.
- (3) The purchase price and/or remuneration for work is due and payable without deduction within 10 days of the invoice date and/or delivery or acceptance of the goods. Nevertheless, even in the course of an ongoing business relationship, we are entitled at any time to demand an advance payment - entirely or partially - prior to delivery.
- (4) The Customer is in default in payment as soon as the aforementioned payment period expires. Default interest is to be paid on the purchase price at the applicable statutory default interest rate during the period of default. We reserve the right to assert further claims for damages caused by default. Our claim to commercial maturity interest (section 353 of the German Commercial Code (Handelsgesetzbuch, HGB) vis-à-vis entrepreneurs shall remain unaffected thereby.
- (5) If the Customer fails to fulfil its payment obligation to pay in due time or does not pay the full amount, then all our receivables against the Customer existing at that point in time will become due with the accrual of the interest stated above. In this case, we are entitled to withhold our services from concluded agreements until the entire consideration due has been paid or, after setting a reasonable deadline, to refuse further contractual performance, to withdraw from the contract and, in the event of culpability, to claim damages.
- (6) Should it become apparent after the conclusion of the contract (e.g. due to a petition being filed for the institution of insolvency proceedings) that our claim for payment of the purchase price is at risk due to the Customer's inability to pay, we shall be entitled to refuse performance and to withdraw from the contract in accordance with the statutory provisions (section 321 BGB). In the case of contracts regarding the manufacture of non-fungible items (custom-made to the Customer's specifications), we may declare our withdrawal without notice. The statutory provisions regarding the dispensability of setting a deadline shall remain unaffected thereby.
- (7) The Customer shall only be entitled to a right of retention or set-off if its counterclaims are undisputed or recognised by final and binding judgment. In the event of defects in the delivery, the Customer's counterclaims, in particular pursuant to clause 7(5) sentence 5 of these Terms and Conditions of Delivery, shall remain unaffected thereby.

§ 7 GUARANTEE

- (1) Unless otherwise provided below, the Customer's rights in the event of any defect in the quality (Sachmangel) of, or defect in the title (Rechtsmangel), to the performance (including any incorrect or shortfalls in delivery, as well as incorrect assembly of defective assembly instructions) shall be governed by the statutory provisions. In all cases, the statutory special provisions shall remain unaffected upon final delivery of the unprocessed goods to a consumer, even if the consumer has further processed them (supplier recourse pursuant to section 478 et seqq. BGB). Any claims arising from the supplier recourse shall be excluded if the defective goods were further processed by the purchaser or another entrepreneur, e.g. by integration into another product.
- (2) The basis for any liability for defects shall be the agreement reached on the condition/quality (Beschaffenheit) of the goods. All product descriptions and manufacturer information which are the subject of the individual contract or which were published by us, for example, in catalogues or on our website, at the time the contract was concluded, shall be deemed to be an agreement reached on the quality of the goods.

- (3) Insofar as no agreement has been reached on the condition/quality, the statutory provisions must be applied to assess whether or not a product is defective. We assume no liability for public statements made by the manufacturer or other third parties (e.g. advertising messages) which the purchaser has not pointed out to us as decisive for its purchase.
- (4) The Customer's claims for defects shall be subject to the Customer's compliance with its statutory duties to carefully inspect for defects and to report any defects in a timely manner (sections 377, 381 HGB). In the case of building materials and other goods intended for installation or other further processing, an inspection must always be carried out immediately prior to processing. If a defect is detected at the time of delivery, inspection or at any later point in time, we must be immediately notified thereof in writing (in writing or text form). We must be notified of any blatant defects (including shortfalls and incorrect deliveries) within five working days of delivery in writing (written or text form). Defects which are not discernible during the inspection must be reported in writing within the same period of time from their detection. Any further processing is to be stopped immediately once a defect has been detected.
- (5) If the goods are defective, we shall be entitled to choose whether we render subsequent performance by remedying the defect or by delivering a defect-free item. A prerequisite for our liability for defects is that the defect is not a negligible defect. Our right to refuse subsequent performance pursuant to the statutory conditions shall remain unaffected thereby. We are entitled to make the subsequent performance owed subject to payment of the purchase price due by the Customer. The Customer is, however, entitled to retain part of the purchase price in an amount reasonably proportionate to the defect.
- (6) The buyer must grant us the time and opportunity required to render the subsequent performance owed, and must, in particular, hand over the rejected goods to us for inspection purposes. In the case of a replacement delivery, the buyer shall return the defective item to us in accordance with the statutory provisions. The subsequent performance includes neither the dismantling nor the reassembly of the defective item if we were not initially obliged to assemble it.
- (7) We shall bear and/or reimburse the expenses incurred for the purpose of inspection and subsequent performance, including but not limited to, transport, shipping, labour and material costs, as well as any dismantling and re-assembly if a defect actually exists. However, should a demand by the Customer to remedy a defect prove unwarranted, we may demand reimbursement from the Customer for the expenses incurred in this context (in particular inspection and transport costs) unless the lack of defectiveness was not apparent to the Customer.
- (8) Should subsequent performance be impossible or have failed, or should a reasonable period of time to be set by the customer for subsequent performance have expired unsuccessfully or be dispensable according to the statutory provisions, the Customer shall be entitled to choose either to reduce the purchase price accordingly or to withdraw from the purchase contract. In the case of an insignificant defect, however, there is no right of withdrawal.
- (9) Claims of the Customer for damages and/or reimbursement of futile expenses shall exist only in accordance with clause 8 (Other liability) and shall be excluded in all other cases.

§ 8 OTHER LIABILITY

- (1) Unless stipulated otherwise in these Terms and Conditions of Delivery, including the following provisions, we shall be liable for breaches of contractual and non-contractual obligations pursuant to the applicable statutory provisions.
- (2) Insofar as the Customer asserts claims for damages, we shall be liable, irrespective of the legal grounds, in cases of intent and gross negligence. In cases of ordinary negligence, we shall, subject to a milder degree of liability in accordance with the statutory provisions (e.g. for diligence in a matter), only be liable
- for damage arising from loss of life, physical injury or damage to health,
 - for damage resulting from a serious violation of a material contractual obligation (an obligation, the performance of which is required for proper execution of the contract and on whose fulfilment the contractual partner generally relies and may rely). In this case, our liability for damages shall be limited to typical foreseeable occurring damage.
- (3) The limitations of liability pursuant to clause 8 (2) shall also apply to breaches of duty by or for the benefit of persons whose fault we are responsible for in accordance with statutory provisions. They shall not apply where we fraudulently concealed a defect or guaranteed the quality of the goods (cf. sections 444, 639 BGB). They shall also not apply to claims of the Customer pursuant to the Product Liability Act (Produkthaftungsgesetz).
- (4) A free right of termination of the buyer (in particular sections 650, 648 BGB) is excluded. Otherwise, the statutory requirements and legal consequences shall apply.

§ 9 STATUTE OF LIMITATIONS

- (1) In deviation from section 438(1) no. 3 BGB, the general limitation period for claims arising from material defects and defects of title shall be one year from delivery. If an acceptance has been agreed, the limitation period shall commence upon acceptance.
- (2) If, however, the good is a building or an item which was used in accordance with its usual purpose for a building and which caused its defectiveness (building material), the statutory limitation period of five years from delivery (section 438(1) no. 2 BGB) shall apply. Further special statutory provisions on limitation shall also remain unaffected (including but not limited to, section 438(1) no. 1, (3) BGB, sections 444, 445b BGB).

§ 10 RETENTION OF TITLE

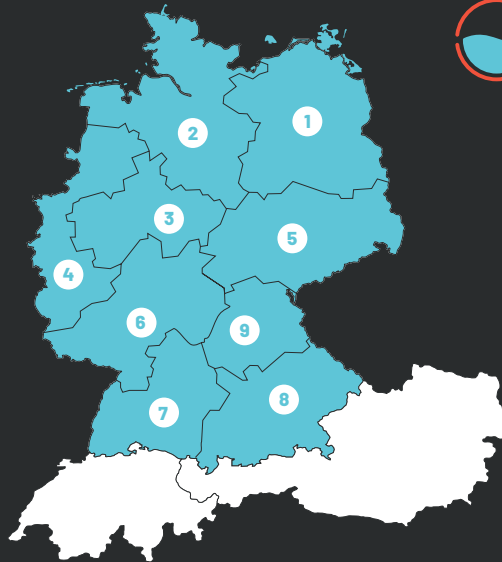
- (1) We reserve the right of retention of title to the goods sold until all of our current and future claims arising from the purchase contract and an ongoing business relationship (secured claims) are paid in full.
- (2) The goods subject to retention of title may neither be pledged to third parties nor transferred by way of security prior to full payment of the secured claims. The customer shall notify us in writing without undue delay if a petition for the institution of insolvency proceedings has been filed or if third parties otherwise gain access to the goods, (e.g. by pledge).
- (3) Unless any revocation has been declared in accordance with item c) below), the Customer shall be entitled to resell and/or process the goods subject to retention of title in the ordinary course of business in accordance with the following provisions:
- The retention of title extends to the full value of the products that come into being through the blending, processing of, or combining with of our goods, whereby we shall be deemed the manufacturer of such goods. If the retention of title of any third party persists during the processing of, blending or combining with their goods, we shall acquire co-ownership in proportion to the invoice values of the processed, mixed or combined goods. In all other cases, the same shall apply to the ensuing products as to the goods delivered subject to retention of title.
 - The Customer hereby, and as of now, assigns to us all receivables towards any third party ensuring from the resale of the goods or of the product, either in full or to the amount of any co-ownership share in accordance with the above paragraph on securities. We accept this assignment. The purchaser's obligations stipulated in clause 10 (2) shall also apply in consideration of assigned receivables.
 - The Customer remains authorised to collect this claim even after its assignment. Our right to collect the claim ourselves shall remain unaffected thereby. We undertake not to collect the claim as long as the Customer discharges all payment obligations towards us, there is no deficiency in its ability to pay and we do not enforce retention of title by exercising a right in accordance with clause 10 (3). If this should be the case, however, we may demand that the Customer informs us of the assigned claims and the relevant debtors, provides all details required for collection, hands over the relevant documents and notifies the debtors (third parties) of the assignment. In this case we shall also be entitled to revoke the Customer's authorisation to re-sell and process the goods subject to retention of title.
 - If the realisable value of the securities exceeds our claims by more than 10%, we shall release securities of our choice at the Customer's request.

§ 11 GENERAL REGULATIONS

- (1) We retain title and copyrights to drawings, samples, models, cost estimates and the like. Such documents must not be made available to any third parties without our explicit prior written consent. The Customer's contractual partners shall be contractually bound accordingly.
- (2) In the case of orders for which the Customer provides us with certain features and properties, in particular, with regard to design, it assures us that such specifications do not infringe any industrial property rights of third parties. In the event of a claim, the Customer shall indemnify us against all claims in this respect.
- (3) All contracts between us and the Customer shall be governed exclusively by the laws of the Federal Republic of Germany to the exclusion of the UN Convention on Contracts for the International Sale of Goods. The application of international private law and the United Nations Convention on Contracts for the International Sale of Goods ("UN Sales Convention") is excluded.
- (4) The exclusive place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship shall be Würzburg (Germany) or, at our option, the court having jurisdiction for the Customer's branch office. Overriding statutory provisions (with particular reference to exclusive jurisdictions), shall remain unaffected thereby.

YOUR COMPETENCE TEAMS

DACH



TEAM 1



Frank Schmidt
04319 Leipzig
+49 151 1688 9637
frank.schmidt@dueker.de



Bernd Krause
37345 Weißenborn-Lüderode
+49 170 2294 288
bernd.krause@dueker.de



Torsten Andritzke
01936 Königsbrück
+49 160 9055 7379
torsten.andritzke@dueker.de



TEAM 4



Christian Heßelmans
47638 Straelen
+49 151 1688 9677
christian.hesselmans@dueker.de



Lars Junge
45549 Sprockhövel
+49 160 9055 7397
lars.junge@dueker.de



TEAM 7



Antonio Caiazza
88348 Bad Saulgau
+49 151 1115 8573
antonio.caiazza@dueker.de



Elisabeth Krug
Werk Karlstadt
+49 160 7403 039
elisabeth.krug@dueker.de



TEAM A + CH / KEY ACCOUNT DE



Jürgen Marschall
+49 9353 791 242
+49 160 7074 153
juergen.marschall@dueker.de



TEAM 2



Peter Dunker
27279 Bremen
+49 151 1688 9756
peter.dunker@dueker.de



Bernd Krause
37345 Weißenborn-Lüderode
+49 170 2294 288
bernd.krause@dueker.de



TEAM 5



Frank Schmidt
04319 Leipzig
+49 151 1688 9637
frank.schmidt@dueker.de



Torsten Andritzke
01936 Königsbrück
+49 160 9055 7379
torsten.andritzke@dueker.de



TEAM 8



Peter Mazewski
82335 Berg
+49 171 3661 576
peter.mazewski@dueker.de



Elisabeth Krug
Werk Karlstadt
+49 160 7403 039
elisabeth.krug@dueker.de



SALES REPRESENTATIVE NORTH RHINE-WESTPHALIA



André Niersbach
40479 Düsseldorf
+49 211 4407780
niersbach@niersbach.de



TEAM 3



Karsten Vollenberg
48356 Nordwalde
+49 151 4266 1030
karsten.vollenberg@dueker.de



Lars Junge
45549 Sprockhövel
+49 160 9055 7397
lars.junge@dueker.de



TEAM 6



Jürgen Mantel
63856 Bessenbach
+49 175 2265 535
juergen.mantel@dueker.de



Elisabeth Krug
Werk Karlstadt
+49 160 7403 039
elisabeth.krug@dueker.de



TEAM 9



Peter Mazewski
82335 Berg
+49 171 3661 576
peter.mazewski@dueker.de



Elisabeth Krug
Werk Karlstadt
+49 160 7403 039
elisabeth.krug@dueker.de



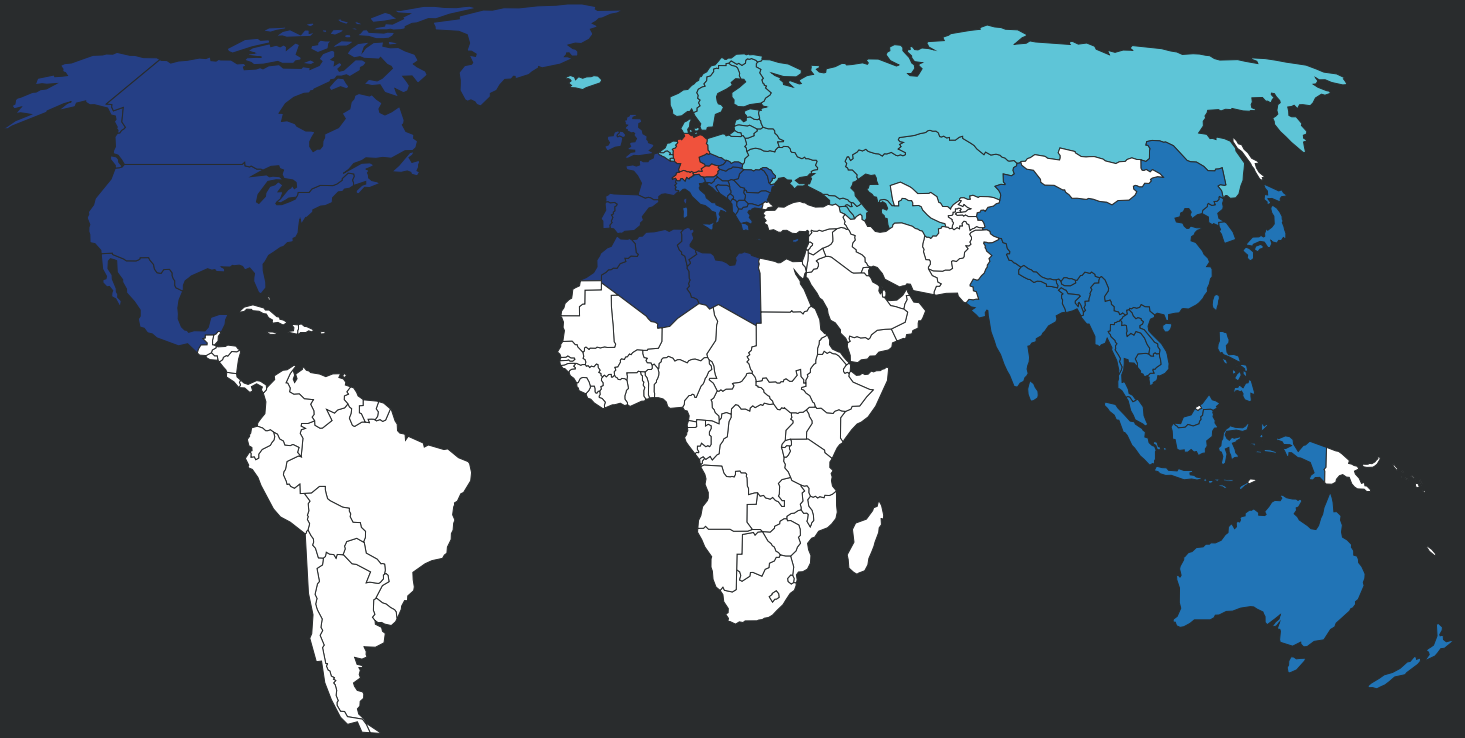
SALES REPRESENTATIVE BERLIN/BRANDENBURG



Andreas König
13403 Berlin
+49 178 7749400
andreas.k@badmaenner.de



YOUR COMPETENCE TEAMS INTERNATIONAL



SOUTHWEST EUROPE, UK AND USA



Ursula Vogler
+49 9353 791 289
+49 170 3350 050
ursula.vogler@dueker.de



NORTHERN EUROPE, BENELUX, MIDDLE EAST, ASIA



Gerald Werner
+49 9353 791 250
+49 171 3038 286
gerald.werner@dueker.de



PRODUCT MANAGEMENT



Andreas Wollnik
+49 9353 791 254
+49 160 5367 130
andreas.wollnik@dueker.de



Ursula Vogler
+49 9353 791 289
+49 170 3350 050
ursula.vogler@dueker.de



EASTERN EUROPE



Waldemar Ganin
+49 9353 791 279
+49 151 5254 8486
waldemar.ganin@dueker.de



TEAM / KEY ACCOUNT ROW*



Wibke Stelling
+49 9353 791 245
+49 170 9316 606
wibke.stelling@dueker.de



MARKETING



Elisa Rettelbusch
+49 176 6336 1600
ex_rettelbusch@dueker.de

In general we manufacture as per EN 545/ISO 2531 series A, as per German DIN 28650 or as per factory standard. Fittings with sockets for PVC pipes are manufactured as per EN 12842 or as per factory standard.

DVGW Compliance Mark

Our products hold the DVGW compliance mark. The corresponding certificates can be found at www.dueker.de/dvgw



CE Marking as per Construction Products Regulation (CPR)

Pillar and underground hydrants as well as pressure pipe fittings for gas and sewage are manufactured in correspondence with a harmonised EN standard following the Construction Products Regulation CPR. They bear a CE marking, which is based on a so-called Declaration of Performance (DOP).



For the latest version of the Düker Declarations of Performance (DOP) please visit www.dueker.de/dop

Memberships

We are a member of the European Association for Ductile Iron Pipe Systems EADIPS® (Fachgemeinschaft Guss-Rohrsysteme FGR® e.V.).



We are a member of the German GSK Quality Association for Heavy Duty Corrosion Protection of Powder Coated Valves and Fittings (GSK Gütegemeinschaft Schwerer Korrosionsschutz) and are entitled to apply the corresponding seal to our products.



All enamelled valves and fittings are refined in accordance with the guidelines of the German Enamellers' Association DEV (Deutscher Enamelverband e.V.)



REACH Declaration

The European chemicals regulation (EC) No. 1907/2006 (REACH) says that chemical substances may only be made available on the market within the area of validity if they were registered beforehand. This is valid from a volume of 1 ton/year.

For those chemical substances that are used during manufacture, Düker, as a so-called "downstream user", has contacted the suppliers of the substances concerned by REACH in order to ensure the registration and evaluation of those substances.

In case of a noteworthy content of SVHC substances (substances of very high concern) in a product, article 33 of the REACH regulation says that suppliers are obliged to transmit corresponding information to the client. The required information regarding our products can be found on our website at www.dueker.de/techdoc.

Safety Data Sheets

For all paints and coatings that Düker delivers for use on site, Düker makes the safety data sheets available on the web page www.dueker.de/sdb.

Operating manuals

The latest operating manuals for valves can be found on www.dueker.de/techdoc



Operating manuals

Socket and flange connections:

The listed prices are valid for socket fittings including the following joint material:

SMU:

Screw-gland socket "Union" including screw ring, without EPDM rubber gasket and gliding ring

TYT:

TYTON® socket without TYTON® sealing gasket EPDM

Novo:

Novo socket without NOVO-SIT® ring and TYTON®-sealing gasket

STB:

Bolted-gland socket including bolted gland ring, sealing gasket EPDM, hammer head bolts and nuts

KS:

Push-in sockets for PVC pipes including sealing gaskets and flanges PN 10

Sewage fitting:

incl. sealing gasket NBR

Flange fittings:

Flanges as per EN 1092-2, PN 10, machined and drilled ready for installation, but without flange connection material

Surcharges:

Flanged pipes and fittings with flanges PN 25/40, DN 65 and DN 100 – 1200 on request.

Notes:

Flanged tees and flanged cross tees cannot be cut.

Cutable versions on request.

Fittings are closed as per the packing guideline FGR standard 74

Linings and Coatings Fittings and Valves:

Epoxy: inside and outside with epoxy powder coating

etec: inside and outside enamel

