

Price list 2023

Product price information valid as of 01. January 2023

Please note
our current
price information!



UGA SYSTEM-TECHNIK is a manufacturer of gas and watertight penetrations for cables and pipelines. Since 1990, our products have been developed, produced and distributed worldwide in Herbrechtingen in southern Germany. We see ourselves first and foremost as a service provider, offering our customers first-class service through competent advice and a high degree of flexibility.

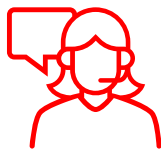
- The UGA penetrations for cables **and pipelines are gas and watertight**.
- **Quality and security** are our top priorities. Since 1990, all products have been developed and produced in Herbrechtingen in southern Germany.
- Our customers can rely on **personal and competent advice worldwide**.
- With a special **focus on special solutions**, we develop individual answers to our customers' questions.
- Our **waterproofing solutions meet the need precisely**, where they are needed at the right time.

With this **reliability**, our customers can plan with security.

To protect values in the long term, we will become the leading manufacturer and application provider for secure wall penetration and seals, as we keep growing and operate internationally.



WORLDWIDE.



SERVICE.



QUALITY.



24/7 DELIVERY.



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1 BKD 150

Seal packing and system inserts



Single wall insert BKD150-K/L

Bayonet single seal packing with 3-bar seal for one-sided connection of bayonet system cover for cable or pipe system (incl. pressure water-tight blind cover BKD150-D).

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
401115010000	BKD150-K/100	100	33.10
401115015000	BKD150-K/150	150	33.10
401115020000	BKD150-K/200	200	33.10
401115025000	BKD150-K/250	250	33.10
401115030000	BKD150-K/300	300	33.10
401115035000	BKD150-K/350	350	33.10
401115040000	BKD150-K/400	400	33.10
401115045000	BKD150-K/450	450	33.10
401115050000	BKD150-K/500	500	33.10
BKD150-K/L per additional 100 mm or fraction thereof			2.30

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Double wall inserts BKD150-K2/L

Bayonet double wall insert with 3-bar seal for connecting bayonet system covers on both sides for cable or pipe systems (incl. pressurized water-tight blind cover BKD150-D).

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
402115010000	BKD150-K2/100	100	52.50
402115015000	BKD150-K2/150	150	52.50
402115020000	BKD150-K2/200	200	52.50
402115025000	BKD150-K2/250	250	52.50
402115030000	BKD150-K2/300	300	52.50
402115035000	BKD150-K2/350	350	52.50
402115040000	BKD150-K2/400	400	52.50
402115045000	BKD150-K2/450	450	52.50
402115050000	BKD150-K2/500	500	52.50
BKD150-K2/L for each additional commenced 100 mm			2.30

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Wall inserts BKD150-K-MA/L

Bayonet single wall insert with 3-bar seal in sleeve technology suitable for connecting cable and empty conduit systems (incl. pressurized water-tight blind cover BKD150-D).

VK. Art. No.	Product name	Clamping range (mm)	Price (€)
401315020005	BKD150-K-MA110/200	Cuff 100 - 110	102.00
401315020006	BKD150-K-MA125/200	Cuff 115 - 125	102.00
401315020007	BKD150-K-MA145/200	Cuff 130 - 145	102.00
401315020008	BKD150-K-MA160/200	Cuff 150 - 160	103.90
401315020009	BKD150-K-MA170/200	Cuff 160 - 170	103.90
BKD150-K-MA/L per additional 100 mm or fraction thereof			2.30

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Spacer

To increase the distance from 210 mm to 250 mm.

VK. Art. No.	Product name	Price (€)
409999265460	BKD150-ASH (2 pieces included)	11.70

BKD 150

Seal packing and system inserts

Surface-mounting flange BKD150-AF-235

VK. Art. No.	Product name	Description	Price (€)
403115000010	BKD150-AF 235/BE-VZ	with steel fastening elements, galvanized	105.70
403115000040	BKD150-AF 235/BE-A4	with SAE 316L stainless steel fasteners	110.60
499075600000	Sikaflex-11 FC	elastic sealing compound for waterproof concrete surfaces	30.50
–	Weicon Flex 310 ^{M®} Super Adhesion	Elastic sealant for black trough liquid sealant	on request

System inserts with interchangeable insert BKD150-E-WE

System inserts with multilayer inserts BKD150-E-ZS

VK. Art. No.	Product name	Description	Price (€)
–	BKD150-E/V2A/EPDM/1xD	System insert (specify diameter of media lines)	163.60
–	BKD150-E/V2A/EPDM/ZxD*	System insert (specify number and diameter of media lines)*.	163.60
–	BKD150-E-WE/V2A/EPDM/ZxD	System insert with WE (specify number and diameter of the media line)*.	153.00
405115075124	BKD150-E-ZS/V2A/EPDM 1x(22-75)	System insert with multilayer insert 1 x 22-75	99.40
405115011024	BKD150-E-ZS/V2A/EPDM 1x(70-110)	System insert with multilayer insert 1 x 70-110	114.90
405115054324	BKD150-E-ZS/V2A/EPDM 3x(22-54)	System insert with multilayer insert 3 x 22-54	144.10
405115032624	BKD150-E-ZS/V2A/EPDM 6x(4-32)	System insert with multilayer insert 6 x 4-32	152.20
405115032724	BKD150-E-ZS/V2A/EPDM 7x(4-32)	System insert with multilayer insert 7 x 4-32	175.90
405115032824	BKD150-E-ZS/V2A/EPDM 8x(4-32)	System insert with multilayer insert 8 x 4-32	199.30
405115020924	BKD150-E-ZS/V2A/EPDM 9x(4-25)	System insert with multilayer insert 9 x 4-25	229.90
405115032424	BKD150-E-ZS/V2A/EPDM/4x (4-32)+6x(4-20)	System insert with multilayer insert 4 x 4-32 and 6 x 4-20	239.20

Other version on request.

*Price per BKD system insert with one hole. Every additional drill hole is billed at 9 euros.

BKD 150

System cover/accessories



System cover BKD150

With spigot and thermo-shrink sleeve(s).

VK. Art. No.	Product name	Description	Price (€)
404115000000	BKD150-D	-	19.90
404415008011	BKD150-D-1/80-TM	System cover with one sleeve for cable/pipe from 26 - 78 mm	64.40
404415011011	BKD150-D-1/110-TM	System cover with one sleeve for cable/pipe from 36 - 108 mm	71.90
404415005933	BKD150-D-3/59(3/3)-TM	System cover with 3 sleeves for cables/pipes from 22 - 57 mm	101.20
404415003876	BKD150-D-7/38(7/6)-TM	System cover with 7 sleeves for cables/pipes from 9 - 37 mm	113.90
404415003584	BKD150-D-8/35(4/2)/25(4/2)-TM	System cover with 8 sleeves for 4 cables/pipes from 9 - 34 mm and 4 cables/pipes from 7 - 24 mm	113.90
404915003580	TM Set D8/35/25	Hot-shrink sleeve extension set for BKD 150-D8/35(4/2)/25(4/2)	18.90

Optionally available with cold shrink sleeve.

System cover BKD150

With sleeve in sleeve technology.

VK. Art. No.	Product name	Clamping range (mm)	Price (€)
404315007565	BKD150-D-MA65-75	Cuff 65 - 75	112.30
404315008975	BKD150-D-MA75-89	Cuff 75 - 89	99.50
404315011010	BKD150-D-MA100-110	Cuff 100 - 110	99.50
404315012511	BKD150-D-MA115-125	Cuff 115 - 125	99.50
404315014514	BKD150-D-MA130-145	Cuff 130 - 145	99.50
404315016015	BKD150-D-MA150-160	Cuff 150 - 160	99.50
404315017016	BKD150-D-MA160-170	Cuff 160 - 170	102.80

Junction shrink sleeves for BKD150 system cover

VK. Art. No.	Product name	Shrink range (mm)	Price (€)
404915007548	AK75/4F/8-29	4-branch junction hot-shrink sleeve for cables from 8 - 29	49.50
404915007538	AK75/3F/8-29	3-branch junction hot-shrink sleeve for cables from 8 - 29	45.60
404915005045	AK50/4F/5-20	4-branch junction hot-shrink sleeve for cables from 5 - 20	47.90
404915005035	AK50/3F/5-22	3-branch junction hot-shrink sleeve for cables from 5 - 22	44.30
404915003542	AK35/4F/2-13	4-branch junction hot-shrink sleeve for cables from 2 - 13	47.90
404915003532	AK35/3F/2-12	3-branch junction hot-shrink sleeve for cables from 2 - 12	44.30

Sealing plug VS for BKD150 system cover

VK. Art. No.	Product name	suitable for product	Price (€)
404615002580	VS25	BKD150-D-8/35/25	8.40
404615003580	VS35	BKD150-D-8/35/25	9.90
404615003870	VS38	BKD150-D-7/38	12.50
404615005930	VS58/60	BKD150-D-3/59	14.60

Installation accessories

VK. Art. No.	Product name	Description	Price (€)
400900000001	Face spanner	GSS	72.90
400900000002	Torque screwdriver 5 Nm	Torque screwdriver 5Nm	124.60
400900100001	Cable cleaner (1 ltr.)	KR/1 litre	28.10

BKD 150

Wall inserts with pipe connection

Wall inserts BKD150-K-SM110/L

single wall insert with 3-bar seal and pipe fitting on the back for straight-walled pipes
(incl. pressurized incl. watertight blind cover BKD150-D)

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
407115020050	BKD150-K-SM110/200	200	80.50
407115025050	BKD150-K-SM110/250	250	80.50
407115030050	BKD150-K-SM110/300	300	80.50
407115035050	BKD150-K-SM110/350	350	80.50
407115040050	BKD150-K-SM110/400	400	80.50
407115045050	BKD150-K-SM110/450	450	80.50
407115050050	BKD150-K-SM110/500	500	80.50
BKD150-K-SM110/L for each additional commenced 100 mm			4.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Wall inserts BKD150-K-SM125/L

single wall insert with 3-bar seal and pipe fitting on the back for straight-walled pipes
(incl. pressurized incl. watertight blind cover BKD150-D)

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
407115020060	BKD150-K-SM125/200	200	80.50
407115025060	BKD150-K-SM125/250	250	80.50
407115030060	BKD150-K-SM125/300	300	80.50
407115035060	BKD150-K-SM125/350	350	80.50
407115040060	BKD150-K-SM125/400	400	80.50
407115045060	BKD150-K-SM125/450	450	80.50
407115050060	BKD150-K-SM125/500	500	80.50
BKD150-K-SM125/L for each additional commenced 100 mm			4.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Wall inserts BKD150-K-SM160/L

single wall insert with 3-bar seal and pipe fitting on the back for straight-walled pipes
(incl. pressurized incl. watertight blind cover BKD150-D)

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
407115020070	BKD150-K-SM160/200	200	88.80
407115025070	BKD150-K-SM160/250	250	88.80
407115030070	BKD150-K-SM160/300	300	88.80
407115035070	BKD150-K-SM160/350	350	88.80
407115040070	BKD150-K-SM160/400	400	88.80
407115045070	BKD150-K-SM160/450	450	88.80
407115050070	BKD150-K-SM160/500	500	88.80
BKD150-K-SM160/L for each additional commenced 100 mm			4.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

BKD 150

Wall inserts Special designs



Wall inserts BKD 150-K-S(W)/(L)

single wall insert with 3-ribbed seal with angle frame for floor plates and walls for oblique insertion of large and very rigid cables (incl. incl. watertight blind cover BKD150-D)

VK. Art. No.	Product name	Price (€)
BKD150-K-S30/(L)	Wall insert with a 30° angle	on request
BKD150-K-S45/(L)	Wall insert with a 45° angle	on request
BKD150-K-S60/(L)	Wall insert with a 60° angle	on request

Packages only possible in single row or in F+L according to DIN 18533.

Wall inserts BKD 150-K2-S(W)/(L)

Bayonet double wall insert with 3-ribbed seal with angle frame for floor plates and walls for oblique insertion of large and very rigid cables (incl. incl. watertight blind cover BKD150-D)

VK. Art. No.	Product name	Price (€)
BKD150-K2-S30/(L)	Wall insert with a 30° angle	on request
BKD150-K2-S45/(L)	Wall insert with a 45° angle	on request
BKD150-K2-S60/(L)	Wall insert with a 60° angle	on request

Packages only possible in single row or in F+L according to DIN 18533.

Wall inserts BKD 150-K2-KF/(L)/PVC

with sealing system and adhesive/filler flange
surrounding PVC 50 mm for water exposure class W1 and W2.1-E (incl. watertight blind cover BKD150-D)

VK. Art. No.	Product name	Price (€)
BKD150-K2-KF-W1/(L)/PVC	–	on request
BKD150-K2-KF-W1/1x2/(L)/PVC	2 wall inserts side by side as a package	on request
BKD150-K2-KF-W1/2x8/(L)/PVC	8 wall inserts side by side and 2 on top of each other as a package	on request

Other packages available upon request.

Wall inserts BKD 150-K2-F+L-W2/(L)/V2A

Bayonet double wall insert with integrated solid and loose flange
to DIN 18533 for water exposure class W2.2 (incl. watertight blind cover) BKD150-D)

VK. Art. No.	Product name	Price (€)
BKD 150-K2-F+L-W2/(L)/V2A	–	on request
BKD 150-K2-F+L-W2/1x2/(L)/V2A	2 wall inserts side by side as a package	on request
BKD 150-K2-F+L-W2/2x8/(L)/V2A	8 wall inserts side by side and 2 on top of each other as a package	on request

Other packages available upon request. Product also available in W1 according to DIN18533.

Wall inserts BKD 150-AF-NA-F+L-W2/V2A

Mounting flange BKD150-AF with integrated solid and loose flange design according to DIN18533 for water impact class W2.2 for retrofitting with dowels (incl. fastening elements and water-tight PE blind cover BKD150-D)

VK. Art. No.	Product name	Price (€)
BKD 150-AF-NA-F+L-W2/V2A	–	on request
BKD 150-AF-NA-F+L-W2/1x2/V2A	2 mounting flanges BKD150-AF side by side as a package	on request
BKD 150-AF-NA-F+L-W2/2x8/V2A	8 mounting flanges BKD150-AF packed side by side and 2 on top of each other	on request

Other packages available upon request. Product also available in W1 according to DIN18533.

BKD 90

Wall inserts and system covers

Single wall insert BKD90-K/L

Bayonet single wall insert with sealing system for one-sided connection of bayonet system covers for cable or pipe systems (incl. pressurized water-tight blind cover BKD90-D).

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
401109010000	BKD90-K/100	100	30.64
401109020000	BKD90-K/200	200	30.64
401109025000	BKD90-K/250	250	30.64
401109030000	BKD90-K/300	300	30.64
401109035000	BKD90-K/350	350	30.64
401109040000	BKD90-K/400	400	30.64
401109045000	BKD90-K/450	450	30.64
401109050000	BKD90-K/500	500	30.64
BKD90-K/Special length per additional commenced 100 mm			2.16

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Double wall inserts BKD90-K2/L

Bayonet double wall insert with sealing system for connection on both sides of bayonet system covers for cable or pipe systems (incl. pressurized water-tight blind cover BKD90-D).

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
402109020000	BKD90-K2/200	200	50.90
402109025000	BKD90-K2/250	250	50.90
402109030000	BKD90-K2/300	300	50.90
402109035000	BKD90-K2/350	350	50.90
402109040000	BKD90-K2/400	400	50.90
402109045000	BKD90-K2/450	450	50.90
402109050000	BKD90-K2/500	500	50.90
BKD90-K2/Special length per additional commenced 100 mm			2.20

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Surface-mounting flange BKD90-AF-150

VK. Art. No.	Product name	Description	Price (€)
403109000010	BKD90-AF-150/BE-VZ	with steel fastening elements, galvanized	136.30
403109000040	BKD90-AF-150/BE-A4	with SAE 316L stainless steel fasteners	140.40
499075600000	Sikaflex 11 FC	elastic sealing compound for waterproof concrete surfaces	30.50
–	Weicon Flex 310 [®] Super Adhesion	elastic sealant for black trough	on request

System cover BKD90

With spigot and thermo-shrink sleeve(s).

VK. Art. No.	Product name	Description	Price (€)
404109000000	BKD90-D	–	20.00
404409007511	BKD90-D-1/75-TM	System cover with one sleeve for cable/pipe from 26 - 73 mm	58.70
404409003033	BKD90-D-3/30(3/3)-TM	System cover with 3 sleeves for cables/pipes from 7 - 29 mm	79.30
404409002055	BKD90-D-5/20(5/5)-TM	System cover with 5 sleeves for cables/pipes from 7 - 19 mm	99.50

Optionally available with cold shrink sleeve(s).

BKD 90

Wall inserts and system covers



System cover BKD 90

With sleeve in sleeve technology.

VK. Art. No.	Product name	Clamping range (mm)	Price (€)
404509005040	BKD90-D-MA40-50	Cuff 40 - 50	108.30
404509006350	BKD90-D-MA50-63	Cuff 50 - 63	110.60
404509007565	BKD90-D-MA65-75	Cuff 65 - 75	97.50
404509008975	BKD90-D-MA75-89	Cuff 75 - 89	97.50
404509011210	BKD90-D-MA100-112	Cuff 100 - 112	97.50

Junction shrink sleeves for BKD 90 system cover

VK. Art. No.	Product name	Description	Price (€)
404915003542	AK35/4F/2-13	4-branch junction hot-shrink sleeve for cables from 2 - 13 mm	47.90
404915003532	AK35/3F/2-12	3-branch junction hot-shrink sleeve for cables from 2 - 12 mm	44.30

Sealing plug VS

VK. Art. No.	Product name	suitable for product	Price (€)
404609002050	VS20	BKD 90-D-5/20	7.60
404609003030	VS30	BKD 90-D-3/30	8.60

Installation accessories

VK. Art. No.	Product name	Description	Price (€)
400900000001	Face spanner	GSS	72.90
400900000002	Torque screwdriver 5 Nm	Torque screwdriver 5Nm	124.60
400900100001	Cable cleaner (1 ltr.)	KR/1 litre	28.10

Special wall inserts BKD 90

VK. Art. No.	Product name	Price (€)
BKD90-K-S30/(L)	Angled wall inserts	on request
BKD90-K2-S30/(L)	Angled wall inserts	on request
Wall inserts with pipe fitting BKD90-K-SM(110)/(L)	–	on request
Flange wall inserts according to DIN 18533	–	on request

Adjustments possible for angled wall thicknesses. Other customized designs are available on request.

KD 150

Wall inserts and system covers

Single wall insert KD150-K/L

Single wall insert with sealing system, suitable for one-sided connection of system covers for cable or pipe systems (incl. pressurized water-tight blind cover KD150-D).

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
421115010000	KD150-K/100	100	55.80
421115020000	KD150-K/200	200	55.80
421115025000	KD150-K/250	250	55.80
421115030000	KD150-K/300	300	55.80
421115035000	KD150-K/350	350	55.80
421115040000	KD150-K/400	400	55.80
421115045000	KD150-K/450	450	55.80
421115050000	KD150-K/500	500	55.80
KD150-K/special length per additional commenced 100 mm			2.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Double wall inserts KD150-K2/L

Double wall insert with sealing system, suitable for one-sided connection of system covers for cable or pipe systems (incl. pressurized water-tight blind cover KD150-D).

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
422115020000	KD150-K2/200	200	91.20
422115025000	KD150-K2/250	250	91.20
422115030000	KD150-K2/300	300	91.20
422115035000	KD150-K2/350	350	91.20
422115040000	KD150-K2/400	400	91.20
422115045000	KD150-K2/450	450	91.20
422115050000	KD150-K2/500	500	91.20
KD150-K2/special length per additional commenced 100 mm			2.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Surface-mounting flange KD150-AF-200

Mounting flange for doweling, suitable for one-sided connection of system covers for cable or pipe systems (incl. pressurized water-tight blind cover KD150-D).

VK. Art. No.	Product name	Description	Price (€)
423115020010	KD150-AF-200/BE-VZ	with steel fastening elements, galvanized	191.60
423115020040	KD150-AF-200/BE-A4	with SAE 316L stainless steel fasteners	200.50
499075600000	Sikaflex 11 FC	elastic sealant to optimize the wall surface	30.50
—	Weicon Flex 310 ^{M®} Super Adhesion	elastic sealant for black trough	on request

KD 150

System cover/accessories



System cover KD 150

With spigot and thermo-shrink sleeve(s).

VK. Art. No.	Product name	Description	Price (€)
424415000000	KD150-D	–	35.40
424415008011	KD150-D-1/80-TM	System cover with one sleeve for cable/pipe from 26 - 78 mm	79.20
424415011011	KD150-D-1/110-TM	System cover with one sleeve for cable/pipe from 36 - 108 mm	86.40
424415006033	KD150-D-3/60(3/3)-TM	System cover with 3 sleeves for cables/pipes from 22 - 58 mm	126.20
424415003584	KD150-D-8/35(4/2)/25(4/2)-TM	System cover with 8 sleeves for 4 cables/pipes from 9 - 34 mm and 4 cables/pipes from 7 - 24 mm	134.60
424915003580	TM Set D8/35/25	Hot-shrink sleeve extension set for KD150-D8	18.90

Optionally available with cold-shrink sleeve(s).

System cover KD 150

With sleeve in sleeve technology.

VK. Art. No.	Product name	L = Clamping range (mm)	Price (€)
424315008975	KD150-D-MA75-89	Cuff 75 - 89	128.80
424315011010	KD150-D-MA100-110	Cuff 100 - 110	150.10
424315012511	KD150-D-MA115-125	Cuff 115 - 125	155.20
424315016015	KD150-D-MA150-160	Cuff 150 - 160	159.30
424316017015	KD150-D-MA160-170	Cuff 160 - 170	161.40

Junction shrink sleeves for KD 150 system cover

VK. Art. No.	Product name	Description	Price (€)
404915007548	AK75/4F/8-29	4-branch junction hot-shrink sleeve for cables from 8 - 29 mm	49.50
404915007538	AK75/3F/8-29	3-branch junction hot-shrink sleeve for cables from 8 - 29 mm	45.60
404915005045	AK50/4F/5-20	4-branch junction hot-shrink sleeve for cables from 5 - 20 mm	47.90
404915005035	AK50/3F/5-22	3-branch junction hot-shrink sleeve for cables from 5 - 22 mm	44.30
404915003542	AK35/4F/2-13	4-branch junction hot-shrink sleeve for cables from 2 - 13 mm	47.90
404915003532	AK35/3F/2-12	3-branch junction hot-shrink sleeve for cables from 2 - 12 mm	44.30

Sealing plug VS

VK. Art. No.	Product name	suitable for the product	Price (€)
424615002580	VS25	KD150-D-8/35/25	8.40
424615003580	VS35	KD150-D-8/35/25	9.90
424615005930	VS58/60	KD150-D-3/60	14.60

Installation accessories

VK. Art. No.	Product name	Description	Price (€)
400900000001	Face spanner	GSS	72.90
400900000002	Torque screwdriver 5 Nm	Torque screwdriver 5Nm	124.60
400900100001	Cable cleaner (1 ltr.)	KR/1 litre	28.10

KD 110

Wall inserts

Single wall insert KD110-K/L

Single wall insert with sealing system suitable for one-sided connection of system covers for cable or pipe systems.

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
421111010000	KD110-K/100	100	54.50
421111020000	KD110-K/200	200	54.50
421111025000	KD110-K/250	250	54.50
421111030000	KD110-K/300	300	54.50
421111035000	KD110-K/350	350	54.50
421111040000	KD110-K/400	400	54.50
421111045000	KD110-K/450	450	54.50
421111050000	KD110-K/500	500	54.50
KD110-K/special length per additional commenced 100 mm			2.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

Double wall inserts KD110-K2/L

Double wall insert with sealing system suitable for connecting system covers on both sides for cable or pipe systems.

VK. Art. No.	Product name	L = Wall thickness (mm)	Price (€)
422111020000	KD110-K2/200	200	91.30
422111025000	KD110-K2/250	250	91.30
422111030000	KD110-K2/300	300	91.30
422111035000	KD110-K2/350	350	91.30
422111040000	KD110-K2/400	400	91.30
422111045000	KD110-K2/450	450	91.30
422111050000	KD110-K2/500	500	91.30
KD110-K/special length per additional commenced 100 mm			2.50

Accurately matched wall thicknesses available. Specify exact wall thickness when placing order.

System cover KD 110

With spigot and thermo-shrink sleeve(s).

VK. Art. No.	Product name	Description	Price (€)
424411000000	KD110-D	–	26.30
424411008011	KD110-D-1/80-TM	System cover with one sleeve for cable/pipe from 26 - 78 mm	77.90
424411004633	KD110-D-3/46(3/3)-TM	System cover with 3 sleeves for cables/pipes from 22 - 44 mm	109.10
424411003273	KD110-D-7/32(3/3)/25(4/3)-TM	System cover with 7 sleeves for 7 cables/pipes from 7 - 30 mm and 4 cables/pipes from 7 - 23 mm	156.80

Optionally available with cold shrink sleeve(s).

KD110-E-WE system insert and KD110-D-DGM system cover

VK. Art. No.	Product name	Price (€)
426111000024	KD110-E-WE/EPDM/ZxD	114.40
424911011004	KD110-D-DGM110	82.90



System cover KD 110

With sleeve in sleeve technology.

VK. Art. No.	Product name	Clamping range (mm)	Price (€)
424311007565	KD110-D-MA65-75	Cuff 65 - 75	136.10
424311008975	KD110-D-MA75-89	Cuff 75 - 89	142.10
424311011510	KD110-D-MA100-115	Cuff 100 - 115	149.70
424311012511	KD110-D-MA115-125	Cuff 115 - 125	169.10

Junction shrink sleeves for KD 110 system cover

VK. Art. No.	Product name	Description	Price (€)
404915007548	AK75/4F/8-29	4-branch junction hot-shrink sleeve for cables from 8 - 29 mm	49.50
404915007538	AK75/3F/8-29	3-branch junction hot-shrink sleeve for cables from 8 - 29 mm	45.60
404915005045	AK50/4F/5-20	4-branch junction hot-shrink sleeve for cables from 5 - 20 mm	47.90
404915005035	AK50/3F/5-22	3-branch junction hot-shrink sleeve for cables from 5 - 22 mm	44.30
404915003542	AK35/4F/2-13	4-branch junction hot-shrink sleeve for cables from 2 - 13 mm	47.90
404915003532	AK35/3F/2-12	3-branch junction hot-shrink sleeve for cables from 2 - 12 mm	44.30

Sealing plug VS

VK. Art. No.	Product name	suitable for the product	Price (€)
404615002580	VS25	KD 110-D-7/32/25	8.40
424611003270	VS32/34	KD 110-D-7/32/25	8.90
424611004630	VS46	KD 110-D-3/46	13.20

Special wall inserts KD 110

VK. Art. No.	Product name	Description	Price (€)
–	KD110-K-S30/(L)	Angular single wall insert	on request
–	KD110-K2-S30/(L)	Angular double wall insert	on request
–	Wall inserts with pipe fitting KD110-K-SM(D)/(L)	–	on request
–	Flange wall inserts	according to DIN 18533	on request

Adjustments possible for angled wall thicknesses. Other customized designs are available on request.

Installation accessories

VK. Art. No.	Product name	Description	Price (€)
400900000001	Face spanner	GSS	72.90
400900000002	Torque screwdriver 5 Nm	Torque screwdriver 5Nm	124.60
400900100001	Cable cleaner (1 ltr.)	KR/1 litre	28.10

2 With connection system KSS 150/110/80

Heavy-duty, flexible plastic spiral hose with smooth inner surface and a connection system.

KSS150 with one connection system/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
433015010000	Page 1: BKD150-D-MA	1000	219.60
431015010000	Page 1: BKD150-K	1000	210.50
432015010001	Page 1: D1/110	1000	211.20
432015010003	Page 1: D3/59	1000	213.50
Additional length >1000 mm per extra meter or part thereof			68.00

KSS150 with 2 connection systems/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
434415000000	Page 1: BKD150-D-MA Page 2: BKD150-D-MA	1000	319.60
431115000000	Page 1: BKD150-K Page 2: BKD150-K	1000	324.60
431415000000	Page 1: BKD150-K Page 2: BKD150-D-MA	1000	317.40
431215000001	Page 1: BKD150-K Page 2: D1/80	1000	311.10
Additional length >1000 mm per extra meter or part thereof			68.00

KSS110 with one connection system/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
437011000000	Page 1: KD110-D-MA	1000	210.50
435011000000	Page 1: KD110-K	1000	219.00
432015000001	Page 1: D1/110	1000	202.50
436011000003	Page 1: D3/46	1000	233.00
Additional length >1000 mm per extra meter or part thereof			56.60

KSS110 with 2 connection systems/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
437711000000	Page 1: KD110-D-MA Page 2: KD110-D-MA	1000	332.50
435511000000	Page 1: KD110-K Page 2: KD110-K	1000	357.40
435711000000	Page 1: KD110-K Page 2: KD110-D-MA	1000	351.30
435611000001	Page 1: KD110-K Page 2: D1/80	1000	352.20
Additional length >1000 mm per extra meter or part thereof			56.60

KSS80 with one connection system/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
433008000000	Page 1: BKD90-D-MA	1000	164.70
431008000000	Page 1: BKD90-K	1000	166.60
432008000001	Page 1: D1/75	1000	158.20
432008000003	Page 1: D3/30	1000	164.10
Additional length >1000 mm per extra meter or part thereof			44.70

KSS80 with 2 connection systems/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
433308000000	Page 1: BKD90-D-MA Page 2: BKD90-D-MA	1000	263.70
431108000000	Page 1: BKD90-K Page 2: BKD90-K	1000	263.20
431308000000	Page 1: BKD90-K Page 2: BKD90-D-MA	1000	253.10
433408000001	Page 1: BKD90-D-MA Page 2: D1/75	1000	261.30
Additional length >1000 mm per extra meter or part thereof			44.70

With connection system

KSS 150/110



Heavy-duty, flexible plastic spiral hose with smooth inner surface and a connection system.

KSS150 with one connection system/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
434015000000	Page 1: SM160	1000	on request
438015000000	Page 1: GPD200	1000	411.40
439015000001	Page 1: MA (160 - 170)	1000	207.00
439015000007	Page 1: D7/38	1000	238.80
Additional length >1000 mm per extra meter or part thereof			68.00

KSS150 with 2 connection systems/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
433815000000	Page 1: BKD150-D-MA Page 2: GPD200	1000	491.10
433415000000	Page 1: BKD150-D-MA Page 2: SM160	1000	on request
431915000001	Page 1: BKD150-K Page 2: MA (160 - 170)	1000	314.20
431915000008	Page 1: BKD150-K Page 2: D8/35(4/2)/25(4/2)	1000	363.80
Additional length >1000 mm per extra meter or part thereof			68.00

KSS110 with one connection system/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
434011000000	Page 1: SM110	1000	194.00
438011000000	Page 1: GPD150	1000	315.60
439011000002	Page 1: MA (105 - 120)	1000	194.80
439011000004	Page 1: R/110	1000	191.00
Additional length >1000 mm per extra meter or part thereof			56.60

KSS110 with 2 connection systems/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
437811000000	Page 1: KD110-D-MA Page 2: GPD150	1000	430.60
437411000000	Page 1: KD110-D-MA Page 2: SM110	1000	315.50
431911000002	Page 1: KD110-K Page 2: MA (105 - 120)	1000	323.70
431911000004	Page 1: KD110-K Page 2: R/110	1000	323.10
Additional length >1000 mm per extra meter or part thereof			56.60

With connection system

KSS 80

Heavy-duty, flexible plastic spiral hose with smooth inner surface and a connection system.

KSS80 with one connection system/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
438008000006	Page 1: GPD125	1000	282.90
439008000005	Page 1: D5/20	1000	169.10
439008000002	Page 1: MA (75 - 89)	1000	140.20
Additional length >1000 mm per extra meter or part thereof			44.70

KSS80 with 2 connection systems/1000

VK. Art. No.	Product name	Length (mm)	Price (€)
433808000000	Page 1: BKD90-D-MA Page 2: GPD125	1000	364.50
433908000005	Page 1: BKD90-D-MA Page 2: D5/20	1000	295.90
431908000002	Page 1: BKD90-K Page 2: MA (75 - 89)	1000	241.80
Additional length >1000 mm per extra meter or part thereof			44.70

Cutting costs for intermediate lengths

Product name	Price (€)
KSS150	24.30
KSS125	22.00
KSS110	19.50
KSS80	18.30
KSS150 PRO	24.30

There are no cutting costs when purchasing complete rolls.
(KSS150, KSS125, KSS110, KSS150-PRO: 25 m rolls; KSS80: 50 m roll)

KSS hoses without connection system

Heavy duty Flexible plastic spiral hose with smooth inner surface.

Product name	Length (mm)	Price (€)
KSS hose Ø 80 mm	1000	44.70
KSS hose Ø 110 mm	1000	56.60
KSS hose Ø 125 mm	1000	57.80
KSS hose Ø 150 mm	1000	68.00
KSS hose PRO Ø 150 mm (N750 according to DIN 61386-24-2010)	1000	75.30

Connecting sleeves for cable protection hoses

High quality EPDM rubber sleeves with stainless-steel pipe straps.

Product name	Description
KSS80-MA (75-89)/(75-89)	for KSS80-S
KSS110-MA (105-120)/(105-120)	for KSS110-S
KSS125-MA (120-137)/(120-137)	for KSS125-S
KSS150-MA (160-170)/(160-170)	for KSS150-S and KSS150-Pro-S



More product info?
Please scan the QR
code!

Rubber Press Seals 1-ply (30 mm) with one hole

Product name	(D) Pipe Ø max (mm)	Price (€)
GPD50/30/V2A/EPDM/1x(D)	26	86.90
GPD60/30/V2A/EPDM/1x(D)	34	90.10
GPD70/30/V2A/EPDM/1x(D)	35	93.30
GPD80/30/V2A/EPDM/1x(D)	45	99.50
GPD100/30/V2A/EPDM/1x(D)	66	104.40
GPD125/30/V2A/EPDM/1x(D)	87	120.10
GPD150/30/V2A/EPDM/1x(D)	112	145.30
GPD200/30/V2A/EPDM/1x(D)	162	181.60
GPD250/30/V2A/EPDM/1x(D)	212	247.90
GPD300/30/V2A/EPDM/1x(D)	260	341.00
GPD350/30/V2A/EPDM/1x(D)	300	450.00
GPD400/30/V2A/EPDM/1x(D)	350	568.50
GPD450/30/V2A/EPDM/1x(D)	400	746.90
GPD500/30/V2A/EPDM/1x(D)	450	911.10

Rubber Press Seals 2-ply (60 mm) with one hole

Product name	(D) Pipe Ø max (mm)	Price (€)
GPD50/60/V2A/EPDM/1x(D)	26	115.20
GPD60/60/V2A/EPDM/1x(D)	34	118.50
GPD70/60/V2A/EPDM/1x(D)	35	128.10
GPD80/60/V2A/EPDM/1x(D)	45	135.80
GPD100/60/V2A/EPDM/1x(D)	66	145.30
GPD125/60/V2A/EPDM/1x(D)	87	161.20
GPD150/60/V2A/EPDM/1x(D)	112	197.50
GPD200/60/V2A/EPDM/1x(D)	162	249.70
GPD250/60/V2A/EPDM/1x(D)	212	334.70
GPD300/60/V2A/EPDM/1x(D)	260	462.50
GPD350/60/V2A/EPDM/1x(D)	300	607.90
GPD400/60/V2A/EPDM/1x(D)	350	979.00
GPD450/60/V2A/EPDM/1x(D)	400	1,225.00
GPD500/60/V2A/EPDM/1x(D)	450	1,386.20

* Legend

(A) = Outer diameter GPD

(D) = diameter pipe/cable

Price per Rubber Press Seal with one hole. Every additional drill hole is billed at 9 euros.

Other versions up to Ø 1,500 mm and other materials available. Price on request.

Other materials: NBR, KTW, FPM, silicone, EPDM with SAE 316L stainless steel, NBR with SAE 316L stainless steel, KTW with SAE 316L stainless steel

GPD Split

Rubber Press Seals 1-ply (30 mm) with one hole

Product name	(D) Pipe Ø max (mm)	Price (€)
GPD50/G/30/V2A/EPDM/1x(D)	26	113.80
GPD60/G/30/V2A/EPDM/1x(D)	34	115.20
GPD70/G/30/V2A/EPDM/1x(D)	35	121.80
GPD80/G/30/V2A/EPDM/1x(D)	45	129.50
GPD100/G/30/V2A/EPDM/1x(D)	66	142.40
GPD125/G/30/V2A/EPDM/1x(D)	87	156.50
GPD150/G/30/V2A/EPDM/1x(D)	112	188.10
GPD200/G/30/V2A/EPDM/1x(D)	162	235.30
GPD250/G/30/V2A/EPDM/1x(D)	212	322.10
GPD300/G/30/V2A/EPDM/1x(D)	260	442.20
GPD350/G/30/V2A/EPDM/1x(D)	300	584.30
GPD400/G/30/V2A/EPDM/1x(D)	350	757.90
GPD450/G/30/V2A/EPDM/1x(D)	400	955.20
GPD500/G/30/V2A/EPDM/1x(D)	450	1,184.30

Rubber Press Seals 2-ply (60 mm) with one hole

Product name	(D) Pipe Ø max (mm)	Price (€)
GPD50/G/60/V2A/EPDM/1x(D)	26	150.10
GPD60/G/60/V2A/EPDM/1x(D)	34	155.00
GPD70/G/60/V2A/EPDM/1x(D)	35	165.80
GPD80/G/60/V2A/EPDM/1x(D)	45	177.10
GPD100/G/60/V2A/EPDM/1x(D)	66	189.50
GPD125/G/60/V2A/EPDM/1x(D)	87	208.70
GPD150/G/60/V2A/EPDM/1x(D)	112	255.80
GPD200/G/60/V2A/EPDM/1x(D)	162	323.90
GPD250/G/60/V2A/EPDM/1x(D)	212	434.10
GPD300/G/60/V2A/EPDM/1x(D)	260	600.10
GPD350/G/60/V2A/EPDM/1x(D)	300	789.50
GPD400/G/60/V2A/EPDM/1x(D)	350	1,023.10
GPD450/G/60/V2A/EPDM/1x(D)	400	1,282.00
GPD500/G/60/V2A/EPDM/1x(D)	450	1,570.80

* Legend

(A) = Outer diameter GPD

(D) = diameter pipe/cable

Price per Rubber Press Seal with one hole. Every additional drill hole is billed at 9 euros.

Other versions up to Ø 1,500 mm and other materials available. Price on request.

Other materials: NBR, KTW, FPM, silicone, EPDM with SAE 316L stainless steel, NBR with SAE 316L stainless steel, KTW with SAE 316L stainless steel

GPD

With overlapping flange



Rubber Press Seals 1-ply (30 mm) with one hole

Product name	(D) Pipe Ø max (mm)	Price (€)
GPD50/30/F/V2A/EPDM/1x(D)	26	95.80
GPD60/30/F/V2A/EPDM/1x(D)	34	99.20
GPD70/30/F/V2A/EPDM/1x(D)	35	102.90
GPD80/30/F/V2A/EPDM/1x(D)	45	109.90
GPD100/30/F/V2A/EPDM/1x(D)	66	115.00
GPD125/30/F/V2A/EPDM/1x(D)	87	132.60
GPD150/30/F/V2A/EPDM/1x(D)	112	160.20
GPD200/30/F/V2A/EPDM/1x(D)	162	200.20
GPD250/30/F/V2A/EPDM/1x(D)	212	273.40
GPD300/30/F/V2A/EPDM/1x(D)	260	376.00
GPD350/30/F/V2A/EPDM/1x(D)	300	496.10
GPD400/30/F/V2A/EPDM/1x(D)	350	626.40
GPD450/30/F/V2A/EPDM/1x(D)	400	823.20
GPD500/30/F/V2A/EPDM/1x(D)	450	1,004.10

Rubber Press Seals 2-ply (60 mm) with one hole

Product name	(D) Pipe Ø max (mm)	Price (€)
GPD50/60/F/V2A/EPDM/1x(D)	26	126.60
GPD60/60/F/V2A/EPDM/1x(D)	34	131.50
GPD70/60/F/V2A/EPDM/1x(D)	35	141.20
GPD80/60/F/V2A/EPDM/1x(D)	45	150.50
GPD100/60/F/V2A/EPDM/1x(D)	66	161.40
GPD125/60/F/V2A/EPDM/1x(D)	87	177.40
GPD150/60/F/V2A/EPDM/1x(D)	112	217.00
GPD200/60/F/V2A/EPDM/1x(D)	162	275.20
GPD250/60/F/V2A/EPDM/1x(D)	212	368.90
GPD300/60/F/V2A/EPDM/1x(D)	260	509.90
GPD350/60/F/V2A/EPDM/1x(D)	300	670.00
GPD400/60/F/V2A/EPDM/1x(D)	350	1,078.90
GPD450/60/F/V2A/EPDM/1x(D)	400	1,350.40
GPD500/60/F/V2A/EPDM/1x(D)	450	1,527.90

* Legend

(A) = Outer diameter GPD

(D) = diameter pipe/cable

Price per Rubber Press Seal with one hole. Every additional drill hole is billed at 9 euros.

Other versions up to Ø 1,500 mm and other materials available. Price on request.

Other materials: NBR, KTW, FPM, silicone, EPDM with SAE 316L stainless steel, NBR with SAE 316L stainless steel, KTW with SAE 316L stainless steel

GPD

With multilayer GPD-ZS

Rubber Press Seals with multilayer GPD-ZS

Rubber Press Seal with multilayer GPD(A)/G/40/ZS.

VK. Art. No.	(A) GPD-Ø (mm)	(D) Cable Ø max	Price (€)
485208032124	GPD80/G/40/ZS/V2A/EPDM/1x(4-32)	1x(4-32)	88.00
485208025224	GPD80/G/40/ZS/V2A/EPDM/2x(4-25)	2x(4-25)	88.00
485208020324	GPD80/G/40/ZS/V2A/EPDM/3x(4-20)	3x(4-20)	88.00
485210054124	GPD100/G/40/ZS/V2A/EPDM/1x(22-54)	1x(22-54)	95.00
485210065124	GPD100/G/40/ZS/V2A/EPDM/1x(20-65)	1x(20-65)	95.00
485210032324	GPD100/G/40/ZS/V2A/EPDM/3x(4-32)	3x(4-32)	95.00
485210032424	GPD100/G/40/ZS/V2A/EPDM/2x(4-32)+2x(4-25)	2x(4-32)+2x(4-25)	95.00
485210032524	GPD100/G/40/ZS/V2A/EPDM/2x(4-32)+3x(4-20)	2x(4-32)+3x(4-20)	95.00
485210020824	GPD100/G/40/ZS/V2A/EPDM/8x(4-20)	8x(4-20)	95.00
485212554124	GPD125/G/40/ZS/V2A/EPDM/1x(22-54)	1x(22-54)	103.80
485212532324	GPD125/G/40/ZS/V2A/EPDM/3x(4-32)	3x(4-32)	103.80
485212525624	GPD125/G/40/ZS/V2A/EPDM/6x(4-25)	6x(4-25)	103.80
485212554324	GPD125/G/40/ZS/V2A/EPDM/1x(22-54)+2x(4-25)	1x(22-54)+2x(4-25)	103.80
485212520124	GPD125/G/40/ZS/V2A/EPDM/10x(4-20)	10x(4-20)	103.80
485215075124	GPD150/G/40/ZS/V2A/EPDM/1x(22-75)	1x(22-75)	120.70
485215011024	GPD150/G/40/ZS/V2A/EPDM/1x(75-110)	1x(75-110)	120.70
485215054324	GPD150/G/40/ZS/V2A/EPDM/3x(22-54)	3x(22-54)	129.10
485215032624	GPD150/G/40/ZS/V2A/EPDM/6x(4-32)	6x(4-32)	143.80
485215025924	GPD150/G/40/ZS/V2A/EPDM/9x(4-25)	9x(4-25)	151.20
485215032124	GPD150/G/40/ZS/V2A/EPDM/4x(4-32)+6x(4-20)	4x(4-32)+6x(4-20)	151.20
485216054324	GPD160/G/40/ZS/V2A/EPDM/3x(22-54)	3x(22-54)	179.90
485216032124	GPD160/G/40/ZS/V2A/EPDM/4x(4-32)+6x(4-20)	4x(4-32)+6x(4-20)	236.00
485216032624	GPD160/G/40/ZS/V2A/EPDM/6x(4-32)	6x(4-32)	187.10
485216025924	GPD160/G/40/ZS/V2A/EPDM/9x(4-25)	9x(4-25)	230.40
485220054324	GPD200/G/40/ZS/V2A/EPDM/3x(22-54)+4x(4-25)+3x(4-20)	3x(22-54)+4x(4-25)+3x(4-20)	217.80

Multilayer insert ZS

VK. Art. No.	Product name	(D) Cable Ø max (mm)	Price (€)
485005402204	ZS/G/40/EPDM/22-54	Ø 22 - 54	21.60
485003200404	ZS/G/40/EPDM/4-32	Ø 4 - 32	14.10
485002500404	ZS/G/40/EPDM/4-25	Ø 4 - 25	11.40
485002000404	ZS/G/40/EPDM/4-20	Ø 4 - 20	10.30

With interchangeable insert



GPD-WE

Rubber Press Seal 2-ply, with interchangeable insert GPD A/G/60/WE.../ZxD.

Product name	maximum occupancy, different Ø possible, e.g.	Price (€)
GPD93/G/60/WE50/V2A/EPDM ZxD	3 x Ø 15 or 5 x Ø 11 or 9 x Ø 7	173.20
GPD100/G/60/WE65/V2A/EPDM ZxD	3 x Ø 22 or 5 x Ø 17 or 9 x Ø 12	165.80
GPD125/G/60/WE85/V2A/EPDM ZxD	3 x Ø 30 or 5 x Ø 24 or 9 x Ø 16	173.20
GPD137/G/60/WE85/V2A/EPDM ZxD	3 x Ø 30 or 5 x Ø 24 or 9 x Ø 16	209.80
GPD150/G/60/WE110/V2A/EPDM ZxD	3 x Ø 42 or 5 x Ø 34 or 9 x Ø 24	201.70
GPD200/G/60/WE125/V2A/EPDM ZxD	3 x Ø 50 or 5 x Ø 38 or 8 x Ø 30	285.80

GPD-CV corrugated tubes

Rubber Press Seal with CV connector 2-ply, with interchangeable insert for exposed corrugated pipes.

Product name	maximum occupancy, different Ø possible, e.g.	Price (€)
GPD-CV93/G/60/WE50/V2A/EPDM ZxD	3 x Ø 15 or 5 x Ø 11 or 9 x Ø 7	206.70
GPD-CV137/G/60/WE85/V2A/EPDM ZxD	3 x Ø 30 or 5 x Ø 24 or 9 x Ø 16	256.30

Step tabs for slip-through protection

for Rubber Press Seals in a set of 2.

VK. Art. No.	Product name	Application	Price (€)
480099299283	Step lug LA	Step tabs adapted for GPD	16.90

Interchangeable insert only WE.../ZxD

Exchangeable rubber insert only, with hole(s) for reordering.

Product name	maximum occupancy, different Ø possible, e.g.	Price (€)
WE50/G/60/EPDM/ZxD *	3 x Ø 15 or 5 x Ø 11 or 9 x Ø 7	45.10
WE54/G/40/EPDM/ZxD *	3 x Ø 17 or 4 x Ø 14 or 9 x Ø 8	45.10
WE65/G/60/EPDM/ZxD	3 x Ø 22 or 5 x Ø 17 or 9 x Ø 12	74.60
WE85/G/60/EPDM/ZxD	3 x Ø 30 or 5 x Ø 24 or 9 x Ø 16	84.20
WE110/G/60/EPDM/ZxD	3 x Ø 42 or 5 x Ø 34 or 9 x Ø 24	104.30
WE125/G/60/EPDM/ZxD	3 x Ø 50 or 5 x Ø 38 or 8 x Ø 30	114.50

Z = Number of cables D = Cable Ø *(for single layer seals)

GPD 2in1

Rubber Press Seal 2-stage, closed, stage 1: 2-ply, level 2: 1-ply with interchangeable insert, GPD(A)/90/2in1/(DH)/WE.../ZxD(D).

Product name	maximum occupancy, different Ø possible, e.g.	Price (€)
GPD100/90/2in1/(DH)/WE54/V2A/EPDM ZxD	3 x Ø 17 or 4 x Ø 14 or 9 x Ø 8	221.90
GPD125/90/2in1/(DH)/WE65/V2A/EPDM ZxD	3 x Ø 22 or 5 x Ø 17 or 9 x Ø 12	250.00
GPD150/90/2in1/(DH)/WE85/V2A/EPDM ZxD	3 x Ø 30 or 5 x Ø 24 or 9 x Ø 16	289.50
GPD200/90/2in1/(DH)/WE110/V2A/EPDM ZxD	3 x Ø 42 or 5 x Ø 34 or 9 x Ø 24	381.50

GPD

Split GPD-VS (Very Small)

Rubber Press Seals 2-ply (60 mm)

Product name	(A) GPD-Ø (mm)	Price (€)
GPD-VS25/G/60/1xD	25	120.60
GPD-VS30/G/60/1xD	30	122.80
GPD-VS35/G/60/1xD	35	125.80
GPD-VS40/G/60/1xD	40	127.80
GPD-VS50/G/60/1xD	50	136.80
GPD-VS60/G/60/1xD	60	140.30

Price per Rubber Press Seal with one hole. Every additional drill hole is billed at 9 euros.

Blind plug

VK. Art. No.	Product name	Applicable from Ø mm to Ø mm	Price (€)
483708000024	BV80/30/V2A/EPDM	78 - 82	58.40
483709000024	BV90/30/V2A/EPDM	88 - 93	59.60
483710000024	BV100/30/V2A/EPDM	98 - 104	61.20
483711000024	BV110/30/V2A/EPDM	108 - 114	62.50
483711700024	BV117/30/V2A/EPDM	115 - 121	69.50
483712000024	BV120/30/V2A/EPDM	118 - 124	69.50
483712500024	BV125/30/V2A/EPDM	123 - 129	72.60
483713000024	BV130/30/V2A/EPDM	128 - 134	75.10

Annular seals

RRD



More product info?
Please scan the QR
code!

RRD annular seals 20 mm, closed (subsequently separable)

VK. Art. No.	Product name	(A) RRD Ø (mm)	Pipe or cable Ø (mm)	Price (€)
482010003424	RRD100/20/V2A/EPDM 1 x 34 mm	100	1 x 34	54.80
482010004324	RRD100/20/V2A/EPDM 1 x 43 mm	100	1 x 43	54.80
482010005024	RRD100/20/V2A/EPDM 1 x 50 mm	100	1 x 50	54.80
482010006324	RRD100/20/V2A/EPDM 1 x 63 mm	100	1 x 63	54.80
482012506324	RRD125/20/V2A/EPDM 1 x 63 mm	125	1 x 63	65.40
482012507524	RRD125/20/V2A/EPDM 1 x 75 mm	125	1 x 75	65.40
482012508324	RRD125/20/V2A/EPDM 1 x 83 mm	125	1 x 83	65.40
482015008324	RRD150/20/V2A/EPDM 1 x 83 mm	150	1 x 83	77.70
482015009224	RRD150/20/V2A/EPDM 1 x 92 mm	150	1 x 92	77.70
482015011024	RRD150/20/V2A/EPDM 1 x 110 mm	150	1 x 110	77.70
482020011024	RRD200/20/V2A/EPDM 1 x 110 mm	200	1 x 110	92.80
482020011824	RRD200/20/V2A/EPDM 1 x 118 mm	200	1 x 118	92.80
482020012524	RRD200/20/V2A/EPDM 1 x 125 mm	200	1 x 125	92.80
482020013524	RRD200/20/V2A/EPDM 1 x 135 mm	200	1 x 135	92.80
482020014024	RRD200/20/V2A/EPDM 1 x 140 mm	200	1 x 140	92.80
482020016024	RRD200/20/V2A/EPDM 1 x 160 mm	200	1 x 160	92.80

RRD annular seals 40 mm, closed (subsequently separable)

VK. Art. No.	Product name	(A) RRD Ø (mm)	Pipe or cable Ø (mm)	Price (€)
484010003424	RRD100/40/V2A/EPDM 1 x 34 mm	100	1 x 34	68.30
484010004324	RRD100/40/V2A/EPDM 1 x 43 mm	100	1 x 43	68.30
484010005024	RRD100/40/V2A/EPDM 1 x 50 mm	100	1 x 50	68.30
484010006324	RRD100/40/V2A/EPDM 1 x 63 mm	100	1 x 63	68.30
484012506324	RRD125/40/V2A/EPDM 1 x 63 mm	125	1 x 63	79.10
484012507524	RRD125/40/V2A/EPDM 1 x 75 mm	125	1 x 75	79.10
484012508324	RRD125/40/V2A/EPDM 1 x 83 mm	125	1 x 83	79.10
484015008324	RRD150/40/V2A/EPDM 1 x 83 mm	150	1 x 83	95.70
484015009224	RRD150/40/V2A/EPDM 1 x 92 mm	150	1 x 92	95.70
484015011024	RRD150/40/V2A/EPDM 1 x 110 mm	150	1 x 110	95.70
484020011024	RRD200/40/V2A/EPDM 1 x 110 mm	200	1 x 110	114.10
484020011824	RRD200/40/V2A/EPDM 1 x 118 mm	200	1 x 118	114.10
484020012524	RRD200/40/V2A/EPDM 1 x 125 mm	200	1 x 125	114.10
484020013524	RRD200/40/V2A/EPDM 1 x 135 mm	200	1 x 135	114.10
484020014024	RRD200/40/V2A/EPDM 1 x 140 mm	200	1 x 140	114.10
484020016024	RRD200/40/V2A/EPDM 1 x 160 mm	200	1 x 160	114.10
484025016024	RRD250/40/V2A/EPDM 1 x 160 mm	250	1 x 160	142.80
484025017024	RRD250/40/V2A/EPDM 1 x 170 mm	250	1 x 170	142.80
484025018024	RRD250/40/V2A/EPDM 1 x 180 mm	250	1 x 180	142.80
484025020024	RRD250/40/V2A/EPDM 1 x 200 mm	250	1 x 200	142.80
484025021024	RRD250/40/V2A/EPDM 1 x 210 mm	250	1 x 210	142.80
484030020024	RRD300/40/V2A/EPDM 1 x 200 mm	300	1 x 200	234.00
484030021024	RRD300/40/V2A/EPDM 1 x 210 mm	300	1 x 210	234.00
484030021924	RRD300/40/V2A/EPDM 1 x 219 mm	300	1 x 219	234.00
484030022524	RRD300/40/V2A/EPDM 1 x 225 mm	300	1 x 225	234.00
484030025024	RRD300/40/V2A/EPDM 1 x 250 mm	300	1 x 250	234.00

Available in other materials: NBR, KTW, FPM, silicone, EPDM with SAE 316L stainless steel, NBR with SAE 316L stainless steel, KTW with SAE 316L stainless steel.

Annular seals

RRD

RRD annular seals 40 mm, closed (subsequently separable)

VK. Art. No.	Product name	(A) RRD Ø (mm)	Pipe or cable Ø (mm)	Price (€)
484040027524	RRD400/40/V2A/EPDM 1 x 275 mm	400	1 x 275	353.90
484040028024	RRD400/40/V2A/EPDM 1 x 280 mm	400	1 x 280	353.90
484040031524	RRD400/40/V2A/EPDM 1 x 315 mm	400	1 x 315	353.90
484040032624	RRD400/40/V2A/EPDM 1 x 326 mm	400	1 x 326	353.90
484050040024	RRD500/40/V2A/EPDM 1 x 400 mm	500	1 x 400	503.30
484050042924	RRD500/40/V2A/EPDM 1 x 429 mm	500	1 x 429	503.30
484050045024	RRD500/40/V2A/EPDM 1 x 450 mm	500	1 x 450	503.30

RRD annular seals 60 mm, closed (subsequently separable)

VK. Art. No.	Product name	(A) RRD Ø (mm)	Pipe or cable Ø (mm)	Price (€)
486010002424	RRD100/60/V2A/EPDM 1 x 34 mm	100	1 x 34	75.40
486010004324	RRD100/60/V2A/EPDM 1 x 43 mm	100	1 x 43	75.40
486010005024	RRD100/60/V2A/EPDM 1 x 50 mm	100	1 x 50	75.40
486010006324	RRD100/60/V2A/EPDM 1 x 63 mm	100	1 x 63	75.40
486012506324	RRD125/60/V2A/EPDM 1 x 63 mm	125	1 x 63	88.60
486012507524	RRD125/60/V2A/EPDM 1 x 75 mm	125	1 x 75	88.60
486012508324	RRD125/60/V2A/EPDM 1 x 83 mm	125	1 x 83	88.60
486015008324	RRD150/60/V2A/EPDM 1 x 83 mm	150	1 x 83	121.10
486015009224	RRD150/60/V2A/EPDM 1 x 92 mm	150	1 x 92	121.10
486015011024	RRD150/60/V2A/EPDM 1 x 110 mm	150	1 x 110	121.10
486020011024	RRD200/60/V2A/EPDM 1 x 110 mm	200	1 x 110	148.40
486020011824	RRD200/60/V2A/EPDM 1 x 118 mm	200	1 x 118	148.40
486020012524	RRD200/60/V2A/EPDM 1 x 125 mm	200	1 x 125	148.40
486020013524	RRD200/60/V2A/EPDM 1 x 135 mm	200	1 x 135	148.40
486020014024	RRD200/60/V2A/EPDM 1 x 140 mm	200	1 x 140	148.40
486020016024	RRD200/60/V2A/EPDM 1 x 160 mm	200	1 x 160	148.40
486025016024	RRD250/60/V2A/EPDM 1 x 160 mm	250	1 x 160	221.90
486025017024	RRD250/60/V2A/EPDM 1 x 170 mm	250	1 x 170	221.90
486025018024	RRD250/60/V2A/EPDM 1 x 180 mm	250	1 x 180	221.90
486025020024	RRD250/60/V2A/EPDM 1 x 200 mm	250	1 x 200	221.90
486025021024	RRD250/60/V2A/EPDM 1 x 210 mm	250	1 x 210	221.90
486030020024	RRD300/60/V2A/EPDM 1 x 200 mm	300	1 x 200	363.10
486030021024	RRD300/60/V2A/EPDM 1 x 210 mm	300	1 x 210	363.10
486030021924	RRD300/60/V2A/EPDM 1 x 219 mm	300	1 x 219	363.10
486030022524	RRD300/60/V2A/EPDM 1 x 225 mm	300	1 x 225	363.10
486030025024	RRD300/60/V2A/EPDM 1 x 250 mm	300	1 x 250	363.10
486040027524	RRD400/60/V2A/EPDM 1 x 275 mm	400	1 x 275	549.40
486040028024	RRD400/60/V2A/EPDM 1 x 280 mm	400	1 x 280	549.40
486040031524	RRD400/60/V2A/EPDM 1 x 315 mm	400	1 x 315	549.40
486040032624	RRD400/60/V2A/EPDM 1 x 326 mm	400	1 x 326	549.40
486050040024	RRD500/60/V2A/EPDM 1 x 400 mm	500	1 x 400	782.80
486050042924	RRD500/60/V2A/EPDM 1 x 429 mm	500	1 x 429	782.80
486050045024	RRD500/60/V2A/EPDM 1 x 450 mm	500	1 x 450	782.80

Available in other materials: NBR, KTW, FPM, silicone, EPDM with SAE 316L stainless steel, NBR with SAE 316L stainless steel, KTW with SAE 316L stainless steel.

Annular seals

RRD for corrugated pipes



Annular sealing for corrugated pipe RRD-WR 40 mm

VK. Art. No.	Product name	(A) RRD Ø (mm)	Corrugated pipe Ø (mm)	Price (€)
484810005024	RRD-WR100/G/40/V2A/EPDM 1 x 50 mm	100	1 x 50	127.40
484810006324	RRD-WR100/G/40/V2A/EPDM 1 x 63 mm	100	1 x 63	127.40
484812506324	RRD-WR125/G/40/V2A/EPDM 1 x 63 mm	125	1 x 63	133.80
484812507524	RRD-WR125/G/40/V2A/EPDM 1 x 75 mm	125	1 x 75	133.80
484815007524	RRD-WR150/G/40/V2A/EPDM 1 x 75 mm	150	1 x 75	152.00
484815009224	RRD-WR150/G/40/V2A/EPDM 1 x 92 mm	150	1 x 92	152.00
484815011024	RRD-WR150/G/40/V2A/EPDM 1 x 110 mm	150	1 x 110	152.00
484820011024	RRD-WR200/G/40/V2A/EPDM 1 x 110 mm	200	1 x 110	214.40
484820012524	RRD-WR200/G/40/V2A/EPDM 1 x 125 mm	200	1 x 125	214.40
484820016024	RRD-WR200/G/40/V2A/EPDM 1 x 160 mm	200	1 x 160	214.40

Annular sealing for corrugated pipe RRD-WR 60 mm

VK. Art. No.	Product name	(A) RRD Ø (mm)	Corrugated pipe Ø (mm)	Price (€)
486810005024	RRD-WR100/G/60/V2A/EPDM 1 x 50 mm	100	1 x 50	134.50
486810006324	RRD-WR100/G/60/V2A/EPDM 1 x 63 mm	100	1 x 63	134.50
486812506324	RRD-WR125/G/60/V2A/EPDM 1 x 63 mm	125	1 x 63	143.10
486812507524	RRD-WR125/G/60/V2A/EPDM 1 x 75 mm	125	1 x 75	143.10
486815007524	RRD-WR150/G/60/V2A/EPDM 1 x 75 mm	150	1 x 75	177.40
486815009224	RRD-WR150/G/60/V2A/EPDM 1 x 92 mm	150	1 x 92	177.40
486815011024	RRD-WR150/G/60/V2A/EPDM 1 x 110 mm	150	1 x 110	177.40
486820011024	RRD-WR200/G/60/V2A/EPDM 1 x 110 mm	200	1 x 110	249.20
486820012524	RRD-WR200/G/60/V2A/EPDM 1 x 125 mm	200	1 x 125	249.20
486820016024	RRD-WR200/G/60/V2A/EPDM 1 x 160 mm	200	1 x 160	249.20
486825016024	RRD-WR250/G/60/V2A/EPDM 1 x 160 mm	250	1 x 160	373.80
486825020024	RRD-WR250/G/60/V2A/EPDM 1 x 200 mm	250	1 x 200	373.80

Available in other materials: NBR, KTW, FPM, silicone, EPDM with SAE 316L stainless steel, NBR with SAE 316L stainless steel, KTW with SAE 316L stainless steel.

Plastic wall sleeves FU-K

VK. Art. No.	Wall sleeve Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
431008002000	FU-K/80/U200	45	36.00
431008002500	FU-K/80/U250	45	36.90
431008003000	FU-K/80/U300	45	38.70
431008004000	FU-K/80/U400	45	50.60
431008005000	FU-K/80/U500	45	54.50
431010002000	FU-K/100/U200	66	39.70
431010002500	FU-K/100/U250	66	40.30
431010003000	FU-K/100/U300	66	42.60
431010004000	FU-K/100/U400	66	57.50
431010005000	FU-K/100/U500	66	62.00
431012502000	FU-K/125/U200	87	46.40
431012502500	FU-K/125/U250	87	47.40
431012503000	FU-K/125/U300	87	49.60
431012504000	FU-K/125/U400	87	65.60
431012505000	FU-K/125/U500	87	70.50
431015002000	FU-K/150/U200	112	57.70
431015002500	FU-K/150/U250	112	58.90
431015003000	FU-K/150/U300	112	62.00
431015004000	FU-K/150/U400	112	89.00
431015005000	FU-K/150/U500	112	95.80
431020002000	FU-K/200/U200	162	82.20
431020002500	FU-K/200/U250	162	83.70
431020003000	FU-K/200/U300	162	88.00
431020004000	FU-K/200/U400	162	114.70
431020005000	FU-K/200/U500	162	123.30

Other lengths as well as intermediate lengths on request.

**Fibre cement wall sleeves FU-FZ DN80**

VK. Art. No.	FU-FZ/80/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430008002000	FU-FZ/80/200	45	30.00
430008002400	FU-FZ/80/240	45	33.30
430008002500	FU-FZ/80/250	45	33.30
430008003000	FU-FZ/80/300	45	37.20
430008003500	FU-FZ/80/350	45	40.40
430008003650	FU-FZ/80/365	45	44.10
430008004000	FU-FZ/80/400	45	44.10
430008005000	FU-FZ/80/500	45	51.20

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN100

VK. Art. No.	FU-FZ/100/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430010002000	FU-FZ/100/200	66	30.70
430010002400	FU-FZ/100/240	66	34.30
430010002500	FU-FZ/100/250	66	34.30
430010003000	FU-FZ/100/300	66	37.60
430010003500	FU-FZ/100/350	66	41.40
430010003650	FU-FZ/100/365	66	45.20
430010004000	FU-FZ/100/400	66	45.20
430010005000	FU-FZ/100/500	66	51.70

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN125

VK. Art. No.	FU-FZ/125/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430012502000	FU-FZ/125/200	87	42.90
430012502400	FU-FZ/125/240	87	46.70
430012502500	FU-FZ/125/250	87	46.70
430012503000	FU-FZ/125/300	87	51.90
430012503500	FU-FZ/125/350	87	56.60
430012503650	FU-FZ/125/365	87	61.20
430012504000	FU-FZ/125/400	87	61.20
430012505000	FU-FZ/125/500	87	71.20

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN150

VK. Art. No.	FU-FZ/150/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430015002000	FU-FZ/150/200	112	46.70
430015002400	FU-FZ/150/240	112	51.10
430015002500	FU-FZ/150/250	112	51.10
430015003000	FU-FZ/150/300	112	57.70
430015003500	FU-FZ/150/350	112	64.60
430015003650	FU-FZ/150/365	112	72.00
430015004000	FU-FZ/150/400	112	72.00
430015005000	FU-FZ/150/500	112	83.20

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement

FU-FZ DN200/250/300 asbestos-free

Fibre cement wall sleeves FU-FZ DN200

VK. Art. No.	FU-FZ/200/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430020002000	FU-FZ/200/200	162	61.90
430020002400	FU-FZ/200/240	162	66.70
430020002500	FU-FZ/200/250	162	66.70
430020003000	FU-FZ/200/300	162	74.70
430020003500	FU-FZ/200/350	162	81.60
430020003650	FU-FZ/200/365	162	88.00
430020004000	FU-FZ/200/400	162	88.00
430020005000	FU-FZ/200/500	162	103.00

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN250

VK. Art. No.	FU-FZ/250/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430025002000	FU-FZ/250/200	212	77.90
430025002400	FU-FZ/250/240	212	82.30
430025002500	FU-FZ/250/250	212	82.30
430025003000	FU-FZ/250/300	212	89.60
430025003500	FU-FZ/250/350	212	98.80
430025003650	FU-FZ/250/365	212	108.20
430025004000	FU-FZ/250/400	212	108.20
430025005000	FU-FZ/250/500	212	126.70

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN300

VK. Art. No.	FU-FZ/300/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430030002000	FU-FZ/300/200	260	108.30
430030002400	FU-FZ/300/240	260	114.40
430030002500	FU-FZ/300/250	260	114.40
430030003000	FU-FZ/300/300	260	125.90
430030003500	FU-FZ/300/350	260	137.20
430030003650	FU-FZ/300/365	260	148.30
430030004000	FU-FZ/300/400	260	148.30
430030005000	FU-FZ/300/500	260	169.40

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).



More product info?
Please scan the QR
code!

Fibre cement wall sleeves FU-FZ DN350

VK. Art. No.	FU-FZ/350/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430035002000	FU-FZ/350/200	300	161.20
430035002400	FU-FZ/350/240	300	187.10
430035002500	FU-FZ/350/250	300	187.10
430035003000	FU-FZ/350/300	300	205.90
430035003500	FU-FZ/350/350	300	224.80
430035003650	FU-FZ/350/365	300	238.50
430035004000	FU-FZ/350/400	300	238.50
430035005000	FU-FZ/350/500	300	285.60

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN400

VK. Art. No.	FU-FZ/400/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430040002000	FU-FZ/400/200	350	200.90
430040002400	FU-FZ/400/240	350	226.80
430040002500	FU-FZ/400/250	350	226.80
430040003000	FU-FZ/400/300	350	247.00
430040003500	FU-FZ/400/350	350	285.60
430040003650	FU-FZ/400/365	350	306.80
430040004000	FU-FZ/400/400	350	306.80
430040005000	FU-FZ/400/500	350	365.40

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN450

VK. Art. No.	FU-FZ/450/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430045002000	FU-FZ/450/200	400	276.70
430045002400	FU-FZ/450/240	400	307.70
430045002500	FU-FZ/450/250	400	307.70
430045003000	FU-FZ/450/300	400	326.90
430045003500	FU-FZ/450/350	400	349.80
430045003650	FU-FZ/450/365	400	373.30
430045004000	FU-FZ/450/400	400	373.30
430045005000	FU-FZ/450/500	400	428.10

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement

FU-FZ DN500/600 asbestos-free

Fibre cement wall sleeves FU-FZ DN500

VK. Art. No.	FU-FZ/500/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430050002000	FU-FZ/500/200	450	284.20
430050002400	FU-FZ/500/240	450	330.30
430050002500	FU-FZ/500/250	450	330.30
430050003000	FU-FZ/500/300	450	364.90
430050003500	FU-FZ/500/350	450	417.80
430050003650	FU-FZ/500/365	450	477.20
430050004000	FU-FZ/500/400	450	477.20
430050005000	FU-FZ/500/500	450	571.90

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Fibre cement wall sleeves FU-FZ DN600

VK. Art. No.	FU-FZ/600/U(L) Ø (A) in mm	Pipe/cable Ø (D) up to max. in mm	Price (€)
430060002000	FU-FZ/600/200	540	404.50
430060002400	FU-FZ/600/240	540	446.00
430060002500	FU-FZ/600/250	540	446.00
430060003000	FU-FZ/600/300	540	516.40
430060003500	FU-FZ/600/350	540	555.30
430060003650	FU-FZ/600/365	540	591.20
430060004000	FU-FZ/600/400	540	591.20
430060010000	FU-FZ/600/500	540	698.10

Other lengths as well as intermediate lengths on request. On request a split FU-FZ is available (does not include fitting kit).

Cutting costs for special lengths

VK. Art. No.	Price (€)
FU-FZ/80/U(L)	14.60
FU-FZ/100/U(L)	15.70
FU-FZ/125/U(L)	15.70
FU-FZ/150/U(L)	15.70
FU-FZ/200/U(L)	22.20
FU-FZ/250/U(L)	28.10
FU-FZ/300/U(L)	30.30
FU-FZ/350/U(L)	33.00
FU-FZ/400/U(L)	39.50
FU-FZ/450/U(L)	40.50
FU-FZ/500/U(L)	55.70
FU-FZ/600/U(L)	79.40

Split wall sleeves or bevel cuts on request.

Stainless steel

Wall sleeves with front or adhesive flanges/
with solid and loose flange designFront flanges FU-NA ¹⁾

Front flanges for retrofitting with a top length of 80 mm and a 10 mm thick EPDM facing incl. fastening elements for all wall types.

Product name	Pipe/cable Ø (D) up to max. in mm	Top length in mm	Price (€)
FU-NA/80/U0/O80/V2A	45	80	on request
FU-NA/100/U0/O80/V2A	66	80	on request
FU-NA/125/U0/O80/V2A	87	80	on request
FU-NA/150/U0/O80/V2A	112	80	on request
FU-NA/200/U0/O80/V2A	162	80	on request

Wall sleeve with solid and loose flange design FU/F+L²⁾

Stainless steel wall sleeve with solid and loose flange following DIN 18533 for setting in concrete for load case W2.2.

Product name	Pipe/cable Ø (D) up to max. in mm	Price (€)
FU/F+L/W2/80/U(L)/O(L)/V2A	45	on request
FU/F+L/W2/100/U(L)/O(L)/V2A	66	on request
FU/F+L/W2/125/U(L)/O(L)/V2A	87	on request
FU/F+L/W2/150/U(L)/O(L)/V2A	112	on request
FU/F+L/W2/200/U(L)/O(L)/V2A	162	on request

Wall sleeve with solid and loose flange design FU-NA/F+L for retrofitting ²⁾

Stainless steel wall sleeve with solid and loose flange design to DIN 18533 for retrofitting and load case W2.2.

Product name	Pipe/cable Ø (D) up to max. in mm	Price (€)
FU-NA/F+L/W2/80/U(L)/O(L)/V2A	45	on request
FU-NA/F+L/W2/100/U(L)/O(L)/V2A	66	on request
FU-NA/F+L/W2/125/U(L)/O(L)/V2A	87	on request
FU-NA/F+L/W2/150/U(L)/O(L)/V2A	112	on request
FU-NA/F+L/W2/200/U(L)/O(L)/V2A	162	on request

Liner tubes with adhesive/adhesive flange FU/KF ¹⁾

Stainless steel wall sleeve with surrounding adhesive/puddle flange 120 mm to DIN 18533 for setting in concrete with load cases W1 and W2.1-E.

Product name	Pipe/cable Ø (D) up to max. in mm	Price (€)
FU/KF/80/U(L)O(L)/V2A	45	on request
FU/KF/100/U(L)O(L)/V2A	66	on request
FU/KF/125/U(L)O(L)/V2A	87	on request
FU/KF/150/U(L)O(L)/V2A	112	on request
FU/KF/200/U(L)O(L)/V2A	162	on request

Wall sleeve with adhesive/puddle flange FU-NA/KF for retrofitting ¹⁾

Stainless steel wall sleeve with surrounding adhesive/puddle flange 120 mm to DIN 18533 for retrofitting in load cases W1 and W2.1-E.

Product name	Pipe/cable Ø (D) up to max. in mm	Price (€)
FU-NA/KF/80/U(L)O(L)/V2A	45	on request
FU-NA/KF/100/U(L)O(L)/V2A	66	on request
FU-NA/KF/125/U(L)O(L)/V2A	87	on request
FU-NA/KF/150/U(L)O(L)/V2A	112	on request
FU-NA/KF/200/U(L)O(L)/V2A	162	on request

Accessories Adhesive and sealing materials

VK. Art. No.	Product name	Description	Price (€)
499075600000	Sikaflex-11 FC	elastic sealing compound for waterproof concrete surfaces	30.50
–	Weicon Flex 310 ^{MB} Super Adhesion	–	on request

All variants are available in customized design.

You can combine different diameters and package arrangements. Please contact a technical advisor in your area for details.

¹⁾ Other sizes and split variants are available.

²⁾ Other sizes, split variants and flanges are available for load cases W1 and W2.

Stainless steel FU with central flange

Stainless steel FU wall sleeves made of A2 stainless steel DN80

VK. Art. No.	Wall sleeve Ø (A) in mm FU 80/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432008002500	FU/80/U(250)	45	209.70
432008003000	FU/80/U(300)	45	230.50
432008004000	FU/80/U(400)	45	262.20
432008005000	FU/80/U(500)	45	288.30

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN100

VK. Art. No.	Wall sleeve Ø (A) in mm FU 100/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432010002500	FU/100/U(250)	66	241.40
432010003000	FU/100/U(300)	66	262.20
432010004000	FU/100/U(400)	66	277.90
432010005000	FU/100/U(500)	66	293.80

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN125

VK. Art. No.	Wall sleeve Ø (A) in mm FU 125/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432012502500	FU/125/U(250)	87	283.10
432012503000	FU/125/U(300)	87	303.70
432012504000	FU/125/U(400)	87	324.70
432012505000	FU/125/U(500)	87	345.80

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN150

VK. Art. No.	Wall sleeve Ø (A) in mm FU 150/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432015002500	FU/150/U(250)	112	288.30
432015003000	FU/150/U(300)	112	319.60
432015004000	FU/150/U(400)	112	351.60
432015005000	FU/150/U(500)	112	356.20

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN200

VK. Art. No.	Wall sleeve Ø (A) in mm FU 200/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432020002500	FU/200/U(250)	162	335.40
432020003000	FU/200/U(300)	162	351.20
432020004000	FU/200/U(400)	162	356.40
432020005000	FU/200/U(500)	162	377.30

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN250

VK. Art. No.	Wall sleeve Ø (A) in mm FU 250/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432025002500	FU/250/U(250)	212	471.30
432025003000	FU/250/U(300)	212	518.60
432025004000	FU/250/U(400)	212	575.90
432025005000	FU/250/U(500)	212	607.30

Other lengths as well as intermediate lengths on request.

Stainless steel FU with central flange



A2 stainless steel FU wall sleeve DN300

VK. Art. No.	Wall sleeve Ø (A) in mm FU 300/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432030002500	FU/300/U(250)	260	586.70
432030003000	FU/300/U(300)	260	602.00
432030004000	FU/300/U(400)	260	617.60
432030005000	FU/300/U(500)	260	649.10

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN350

VK. Art. No.	Wall sleeve Ø (A) in mm FU 350/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432035002500	FU/350/U(250)	300	633.50
432035003000	FU/350/U(300)	300	659.80
432035004000	FU/350/U(400)	300	685.80
432035005000	FU/350/U(500)	300	712.30

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN400

VK. Art. No.	Wall sleeve Ø (A) in mm FU 400/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432040002500	FU/400/U(250)	350	680.60
432040003000	FU/400/U(300)	350	701.40
432040004000	FU/400/U(400)	350	722.40
432040005000	FU/400/U(500)	350	743.50

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN450

VK. Art. No.	Wall sleeve Ø (A) in mm FU 450/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432045002500	FU/450/U(250)	400	738.00
432045003000	FU/450/U(300)	400	790.50
432045004000	FU/450/U(400)	400	868.90
432045005000	FU/450/U(500)	400	952.50

Other lengths as well as intermediate lengths on request.

A2 stainless steel FU wall sleeve DN500

VK. Art. No.	Wall sleeve Ø (A) in mm FU 500/U(L)	Pipe/cable Ø (D) up to max. in mm	Price (€)
432050002500	FU/500/U(250)	450	879.20
432050003000	FU/500/U(300)	450	931.70
432050004000	FU/500/U(400)	450	952.50
432050005000	FU/500/U(500)	450	1,026.00

Other lengths as well as intermediate lengths on request.

Earthing penetrations

VK. Art. No.	Component length (mm)	GE-D/(L)/V4A/(M12/M16)	Price (€)
441110000042	100	GE-D/(100)/V4A/(M12)	75.40
441115000042	150	GE-D/(150)/V4A/(M12)	78.70
441120000042	200	GE-D/(200)/V4A/(M12)	82.00
441125000042	250	GE-D/(250)/V4A/(M12)	84.90
441130000042	300	GE-D/(300)/V4A/(M12)	87.90
441140000042	400	GE-D/(400)/V4A/(M12)	97.00
441150000042	500	GE-D/(500)/V4A/(M12)	105.10
Surcharge for each additional commenced 100 mm			3.50

Prices with connection M12. Prices with M16 connection on request.

Reinforcement earthing

VK. Art. No.	Component length (mm)	GE-D/(L)/V4A/(M12/M16)	Price (€)
441405000042	50	GE-A/(50)/V4A/(M12)	35.00
441410000042	100	GE-A/(100)/V4A/(M12)	35.00
441420000042	200	GE-A/(200)/V4A/(M12)	45.10
441430000042	300	GE-A/(300)/V4A/(M12)	53.50
441440000042	400	GE-A/(400)/V4A/(M12)	63.60
441450000042	500	GE-A/(500)/V4A/(M12)	73.60
Surcharge for each additional commenced 100 mm			3.50

Prices with connection M12. Prices with M16 connection on request.

Penetration potential earthing

VK. Art. No.	Component length (mm)	GE-D/(L)/V4A/(M12/M16)	Price (€)
441220000042	200	GE-D-P/(200)/VZ/(M12)	87.70
441230000042	300	GE-D-P/(300)/VZ/(M12)	93.90
441240000042	400	GE-D-P/(400)/VZ/(M12)	100.10
441250000042	500	GE-D-P/(500)/VZ/(M12)	106.30
Surcharge for each additional commenced 100 mm			3.50

Prices with connection M12. Prices with M16 connection on request.

Earthing

Reinforcement, potential, penetration earthing



Potential earthing

VK. Art. No.	Product name	Price (€)
441312000012	GE-P/(120)/VZ/(M12)	66.60

Prices with connection M12. Prices with M16 connection on request.

Subsequent penetration earthing

VK. Art. No.	Product name	Price (€)
441525000042	GE-ND/(250)/V4A/(M12)	98.50
441542000042	GE-ND/(420)/V4A/(M12)	106.20

Prices with connection M12. Prices with M16 connection on request.

Reinforcement earthing with strap iron

VK. Art. No.	Product name	Price (€)
441907030032	GE-AB/(70)/St37/(M12)	73.40

Prices with connection M12. Prices with M16 connection on request.

Flexible penetration earthing

VK. Art. No.	Product name	Price (€)
441650000042	GE-FD/(500)/V4A/(M12)	159.90

Prices with connection M12. Prices with M16 connection on request.

Connection elements/flat-round connection

Flat-round connection for flat band iron 40 mm and round steel 8 - 10 mm.

VK. Art. No.	Product name	Potential earthing	Price (€)
441700000012	GE/FRV/VZ/(M12)	galvanized	32.10
441700000042	GE/FRV/V4A/(M12)	SAE 316L stainless steel	49.30
441700000046	GE/FRV/V4A/(M16)	SAE 316L stainless steel	55.90

Connection elements/bolts M12 or M16

VK. Art. No.	Component length in (mm)	GE-D/(L)/V4A/(M12/M16)	Price (€)
441800000012	GE/ABM/VZ/(M12)	galvanized	8.00
441800000042	GE/ABM/V4A/(M12)	SAE 316L stainless steel	19.60
441800000046	GE/ABM/V4A/(M16)	SAE 316L stainless steel	25.00

Wall penetrations

SPE/GPD-FtH/FHE/BO-PLA

SPE for bore 25 mm

Speed pipe entries for cables and optical fibres/fibre optic cables from 5 - 14 mm.

VK. Art. No.	Product name	Component length (mm)	Price (€)
442107001400	SPE16/1x(7-14)/700	200 - 600	39.80
442112001400	SPE16/1x(7-14)/1200	200 - 1100	41.80
442107005700	SPE16/3x(5-7)/700	200 - 600	39.80
442112005700	SPE16/3x(5-7)/1200	200 - 1100	41.80
442107004700	SPE16/1x(7-14)+3x5-7/700	200 - 600	47.10
442112004700	SPE16/1x(7-14)+3x5-7/1200	200 - 1100	49.30

Rubber Press Seal for core drilling with cable cover GPD-FtH

For cables and optical fibres/fibre optic cables 7 mm and/or 10 mm.

VK. Art. No.	Product name	Price (€)
440099298212	GPD-FtH25/G/60/V2A/EPDM	55.80

Flexible house entries FHE(D)-TM/(L)

With thermo-shrink sleeve(s) on one or both sides.

VK. Art. No.	Product name	Component length (mm)	Price (€)
443402000600	FHE20-TM/(L)	600	24.50
443403000600	FHE30-TM/(L)	600	26.50
443403800600	FHE38-TM/(L)	600	27.70
443404500600	FHE45-TM/(L)	600	33.00
443406500600	FHE65-TM/(L)	600	40.70
443408000600	FHE80-TM/(L)	600	46.20
443802000600	FHE20-2TM/(L)	600	30.70
443803000600	FHE30-2TM/(L)	600	32.80
443803800600	FHE38-2TM/(L)	600	35.10
443804500600	FHE45-2TM/(L)	600	40.70
443806500600	FHE65-2TM/(L)	600	51.00
443808000600	FHE80-2TM/(L)	600	59.30

Sealing foam to fill hole for FHE

Special 2-component cartridge gun required.

Product name	Price (€)
Tangit M3000 (300 ml cartridge)	on request

Plastic spiral hose FHE-S

Product name	Length	Price (€)
FHE20-S/(L)	Price for each additional commenced meter	7.20
FHE30-S/(L)	Price for each additional commenced meter	10.10
FHE38-S/(L)	Price for each additional commenced meter	11.30
FHE45-S/(L)	Price for each additional commenced meter	14.20
FHE65-S/(L)	Price for each additional commenced meter	21.20
FHE80-S/(L)	Price for each additional commenced meter	28.10

BO-PLA

Floor slab penetration for structures without basement.

VK. Art. No.	Product name	Standard length (mm)	Price (€)
444008023000	BO-PLA80/(L)	2300	210.40
444010023000	BO-PLA100/(L)	2300	213.30
444012523000	BO-PLA125/(L)	2300	349.30
444015023000	BO-PLA150/(L)	2300	363.80

Individual lengths possible.

Mobile phone antennas, photovoltaic/solar systems MSD/TDD/SHDD



Multiple gable roof penetrations MSD

Cable penetrations for mobile phone antennas, photovoltaic systems, solar systems and the like.

Product name	Price (€)
MSD110/D1/75/Pan Shape/Colour	255.10
MSD110/D3/30/Pan Shape/Colour	272.40
MSD110/D5/20/Pan Shape/Colour	288.60
MSD110/D1/80/Pan Shape/Colour	283.00
MSD110/D3/46/Pan Shape/Colour	309.40
MSD110/D7/32/25/Pan Shape/Colour	326.20
MSD110/(GPD150/WE)/(GPD150)/pan shape/Colour*	338.80

Other versions on request. The following tile shapes are available:

Fankfurter, Harzer, Bull nose, Taunus or interlocking tiles, other tile shapes available on request at extra cost.

*Product price exclusive GPD.

Multiple gable roof penetrations MSD-Universal

Cable penetrations for mobile phone antennas, photovoltaic systems, solar systems and the like.

Product name	Price (€)
MSD universal125/D1/80/universal/Colour	347.90
MSD Universal125/D3/46/universal/colour	374.30
MSD-Universal125/D7/32/25/Universal/Colour	391.20
MSD-Universal125/(GPD150/WE)/(GPD150)/Universal/Colour*	338.80
MSD110/GPD150/G/60/WE110/12x1/2" + 6 x RG 8 pan shape/colour	485.00

*Product price exclusive GPD.

TDD metal sheet entries

Product name	Price (€)
TDD86/F/WE/V2A/EPDM/ZxD	140.90
TDD102/F/WE/V2A/EPDM/ZxD	142.00
TDD127/F/WE/V2A/EPDM/ZxD	171.60
TDD152/F/WE/V2A/EPDM/ZxD	208.80

SHDD swan-neck entry for flat roofs

VK. Art. No.	Product name	Price (€)
454109266655	SHDD100/together/VZ	847.70
454159265857	SHDD150/together/VZ	1,014.90
454209266656	SHDD200/together/VZ	1,270.30
454309266657	SHDD300/together/VZ	2,168.00
455109266658	SHDD100/Single/VZ	756.60
455159265856	SHDD150/Single/VZ	924.00
455209266659	SHDD200/Single/VZ	1,179.10
455309266660	SHDD300/Single/VZ	2,076.90

Gooseneck feedthrough FHDD including base element as adhesive flange construction.

Connection to second flexible sealing level and other basic constructions on request.

Other versions on request.

Mobile phone antennas, photovoltaic/solar systems

MFD

Multiple flat roof penetrations MFD

Product name	Price (€)
MFD-(SF/DB)/50/GPD68*	on request
MFD-(SF/DB)-AE/50/GPD68*	on request
MFD-(SF)-AE/125/D3/30	on request
MFD-(SF)/125/D1/80	on request
MFD-(SF)-AE/125/D1/80	on request
MFD-(SF)/125/D3/46	on request
MFD-(SF)-AE/125/D3/46	on request
MFD-(SF)/125/D7/32/25	on request
MFD-(SF)-AE/125/D7/32/25	on request
MFD-(SF/DB)/125/GPD150/WE*	on request
MFD-(SF/DB)-AE/125/GPD150/WE*	on request
MFD-(SF)/160/D1/80	on request
MFD-(SF)-AE/160/D1/80	on request
MFD-(SF)/160/D1/110	on request
MFD-(SF)-AE/160/D1/110	on request
MFD-(SF)/160/D8/35/25	on request
MFD-(SF)-AE/160/D8/35/25	on request
MFD-(SF/DB)/160/GPD/150/WE*	on request
MFD-(SF/DB)-AE/160/GPD/150/WE*	on request

Optionally available with loose flange "SF" for connection to a roofing membrane or with preliminary standard bitumen roofing membrane "DB" on request.

*Product price exclusive GPD



FDD flat roof entry FDD-KF/-FF

With adhesive flange "KF" or foil flange "FF" (on roof element).

Product name	Price (€)
FDD100-KF	550.30
FDD160-KF	835.20
FDD100-FF*	550.30
FDD160-FF*	835.20

*The following slides are available: PIB Rhepanol, EVA-VAEPlan, PVC Rhenofol, FPO Flagon, EVA Evalon, FPO Thermoplan, PVC Sikaplan, FPO Sarnafil, EPDM Novoproof

In-roof element with insulation FDD-IDE

For FDD with adhesive flange "KF" and foil flange "FF".

VK. Art. No.	Product name	Price (€)
450010002001	FDD100-IDE/200	352.90
450010003001	FDD100-IDE/300	420.20
450010004001	FDD100-IDE/400	487.00
450010005001	FDD100-IDE/500	554.30
450016002001	FDD160-IDE/200	527.00
450016003001	FDD160-IDE/300	651.40
450016004001	FDD160-IDE/400	750.40
450016005001	FDD160-IDE/500	859.20

MK wall collar

VK. Art. No.	Product name	Description	Price (€)
445003200000	MK 32	for clamping range of 29 - 30 mm	17.40
445004000000	MK 40	for clamping range of 38 - 42 mm	17.50
445005000000	MK 50	for clamping range of 48 - 53 mm	17.80
445006300000	MK 63	for clamping range of 60 - 64 mm	18.00
445007500000	MK 75	for clamping range of 71 - 80 mm	18.60
445009000000	MK 90	for clamping range of 84 - 92 mm	19.50
445001100000	MK 110	for clamping range of 105 - 116 mm	19.60
445001250000	MK 125	for clamping range of 120 - 130 mm	27.40
445001400000	MK 140	for clamping range of 135 - 148 mm	29.50
445001600000	MK 160	for clamping range of 154 - 166 mm	31.80
445001800000	MK 180	for clamping range of 175 - 190 mm	34.90
445002000000	MK 200	for clamping range of 195 - 210 mm	36.90
445002250000	MK 225	for clamping range of 215 - 230 mm	38.90
445002500000	MK 250	for clamping range of 245 - 260 mm	40.10
445002800000	MK 280	for clamping range of 275 - 290 mm	41.70
445003150000	MK 315	for clamping range of 310 - 327 mm	52.90

Plugs, stones, sealant, foam, cable boxes

Fire protection plug

VE with 2 pieces each.

VK. Art. No.	Product name	Ø (mm)	Price (€)
470106500006	Fire protection plug BDS type 65 mm	65	19.90
470107800006	Fire protection plug BDS type 78 mm	78	29.30
470110700006	Fire protection plug BDS type 107 mm	107	32.50
470112200006	Fire protection plug BDS type 122 mm	122	39.20
470113400006	Fire protection plug BDS type 134 mm	134	44.50
470116500006	Fire protection plug BDS type 165 mm	165	50.10
470120000006	Fire protection plug BDS type 200 mm	200	66.30
470125000006	Fire protection plug BDS type 250 mm	250	81.50

Fire protection bricks

VK. Art. No.	Product name	Price (€)
470017000005	Fire protection bricks 170 BDS-N 170x120x60	18.10

Fire protection compound

VK. Art. No.	Product name	Price (€)
471100265283	Fire protection compound BDS-N 1K (310 ml cartridge)	18.00

Fire protection foam

VK. Art. No.	Product name	Price (€)
471100265360	Fire protection foam ZZ 330 (380 ml cartridge, set of 6)	215.30
471900284222	Handy Max cartridge gun for ZZ 330	128.10

Cable box

VK. Art. No.	Product name	Dimensions (mm)	Price (€)
470220010016	BOX BDS (box halves, 2 ZZ fire protection inlays BDS)	200x100x200	64.40

DoBo

VK. Art. No.	Product name	Ø (mm)	Price (€)
470207510017	DoBo BDS 75 L=100 mm	75	26.40
470210010017	DoBo BDS 100 L=100 mm	100	34.90
470207515017	DoBo BDS 75 L=150 mm	75	34.20
470210015017	DoBo BDS 100 L=150 mm	100	38.70

Fire protection sleeves

ECO/XS Pro/Konfix Pro/ Mixed installation connector



Fire protection sleeve (ECO) FS-M R1 / FS-M R2

VK. Art. No.	Product name	Clamping range of pipe and insulation at straight bushing (mm)	Price (€)
470303200002	Fire protection sleeve 32	Until 39	38.30
470304000002	Fire protection sleeve 40	40 - 46	39.80
470305000002	Fire protection sleeve 50	47 - 58	44.10
470306300002	Fire protection sleeve 63	59 - 74	54.70
470307500002	Fire protection sleeve 75	75 - 85	63.70
470309000002	Fire protection sleeve 90	86 - 100	70.10
470311000002	Fire protection sleeve 110	101 - 120	76.40
470312500002	Fire protection sleeve 125	121 - 139	96.10
470314000002	Fire protection sleeve 140	140 - 159	119.40
470316000002	Fire protection sleeve 160	160 - 179	145.40

Fire protection sleeve FS-M R1 (XS Pro)

VK. Art. No.	Product name	Clamping range of pipe and insulation at straight bushing (mm)	Price (€)
470318000001	Fire protection sleeve 180	180 - 195	333.70
470320000001	Fire protection sleeve 200	196 - 220	377.80
470322500001	Fire protection sleeve 225	221 - 245	653.60
470325000001	Fire protection sleeve 250	246 - 276	777.10
470328000001	Fire protection sleeve 280	277 - 300	1,132.50
470331500001	Fire protection sleeve 315	301 - 335	1,474.60
–	Fire protection sleeve > 315	Until 450	on request

Mixed installation connector

VK. Art. No.	Product name	Description	Price (€)
470305000004	Mixing installation connector Konfix Pro	Main line and branch DN 50	81.80
470310000004	Mixing installation connector Konfix Pro	Main line DN 100, Branch DN 70, 75/80, 100	81.80

WUM/fire protection panels/ fire protection coatings/ mineral fibre panels/mortar

WUM

Effective support measure/electric walkway.

VK. Art. No.	Product name	LxWxH (mm)	Price (€)
470435020018	U-frame 730-350* (WUM)	350x200x125	90.70
470445020018	U-frame 730-450* (WUM)	450x200x125	94.90
470455020018	U-frame 730-550* (WUM)	550x200x125	100.20
470465020018	U-frame 730-650* (WUM)	650x200x125	105.30
470475020018	U-frame 730-750* (WUM)	750x200x125	110.70

Fire protection panels

Product name	LxWxH (mm)	Price (€)
Fire protection plate 312, set of 2	312x250x30	38.00
Fire protection plate 625, set of 4	625x500x30	265.70

Fire protection coatings

VK. Art. No.	Product name	Description	Container	Price (€)
–	PYRO-SAFE Sibralit DX	Intumescent fire protection filler	310 ml cartridge	12.50
471900265401	PYRO-SAFE FLAMMOTECT A	Spatula	310 ml cartridge	12.50
–	PYRO-SAFE FLAMMOTECT A	solid colour	5.0 kg bucket	70.50
–	PYRO-SAFE FLAMMOTECT A	solid colour	12.5 kg bucket	150.60

Mineral fibre boards

VK. Art. No.	Product name	Description	LxWxH (mm)	Price (€)
471900265407	Mineral fibre board 50	1-sided precoated	1000x600x50	32.80

Fire protection mortar

VK. Art. No.	Product name	Description	Container	Price (€)
471900306143	PYRO-SAFE Novasit BM	Mineral fibre-free special mortar according to DIN EN 998-2	10 kg bucket	36.70
471900277350	PYRO-SAFE Novasit K2	fibre-free dry mortar, MG III or M20	25 kg bag	12.20

Fire protection joints/fire protection silicone/ Fire protection cushions



Joint cord

VK. Art. No.	Product name	Roll length (m)	Price (€)
471900265436	Joint cord RP 55 / SG 300 - Ø 12	100	405.60
471900265438	Joint cord RP 55 / SG 300 - Ø 15	100	436.80
471900265439	Joint cord RP 55 / SG 300 - Ø 20	20	93.60
471900265453	Joint cord RP 55 / SG 300 - Ø 30	20	103.00
471900265455	Joint cord RP 55 / SG 300 - Ø 40	20	139.40
471900265462	Joint cord RP 55 / SG 300 - Ø 50	20	159.20
471900265464	Joint cord RP 55 / SG 300 - Ø 60	20	189.30

Fire protection silicone

VK. Art. No.	Product name	Colour	Container	Price (€)
471300265471	PYRO-SAFE BIOFERM S	white	310 ml cartridge	11.40
471300265468	PYRO-SAFE BIOFERM S	grey	310 ml cartridge	11.40
471300265473	PYRO-SAFE BIOFERM A, fire protection acrylate	light grey	310 ml cartridge	7.90

Fire protection cushion

VK. Art. No.	Product name	Size	LxWxH (mm)	Price (€)
471900265409	PYRO-SAFE BIOBAG	0	150x200x40	11.10
471900265413	PYRO-SAFE BIOBAG	1	300x200x40	12.50
471900265425	PYRO-SAFE BIOBAG	2	300x200x100	15.00

Mineral wool products

VK. Art. No.	Product name	Size	Container	Price (€)
471900265431	Mineral wool	Building material class A1 according to DIN 4102, loose	10 kg bag	23.80
471900265432	Lamella mat "KLIMAROCK"	–	Roll of 6100 x 500 mm (3,05 m²)	72.10

Fire protection identification sign

VK. Art. No.	Fire protection identification sign	Price (€)
471900265496	Bulkhead identification plate red/green	2.90
471900265291	Marking plate AbZ (general building authority approval) systems	2.40

Fire protection bandages/accessories

Fire protection bandages

VK. Art. No.	Product name	Description	Price (€)
476003265485	Fire protection bandage Rollit ISOPro Box, for sealing off non-combustible insulated supply/service lines	10 m wrapping tape, 125 mm wide	653.60
476003265475	PYRO-SAFE DG-CR 1,5 fire protection bandage, anthracite, for combustible pipe insulation and electrical conduits	10 m wrapping tape, 125 mm wide	264.20
476003265480	PYRO-SAFE DG-CR-LS fire protection fabric, grey, for cable systems (22 m²)	20 m wrapping tape, 1100 mm wide	1,235.60
476003265482	PYRO-SAFE DG-CR -LS fire protection fabric, grey, fabric for cable systems (11 m²)	10 m wrapping tape, 1100 mm wide	675.00
476003265479	PYRO-SAFE DG-CR -0.7 fire protection fabric, grey, fabric for cable systems (22 m²)	20 m wrapping tape, 1100 mm wide	1,423.20

Accessories fire protection fabric / bandages

VK. Art. No.	Description	Price (€)
476009265488	Metal tension band MSB 15 mm, 100 cm	67.90
476009265492	Closure clips for MSB 15 mm	58.20

Cable boxes



Cable boxes three-sided

Installation with plaster, mortar, concrete.

VK. Art. No.	Product name	WxH Outside (mm)	WxH Inside (mm)	Price (€)
470212004012	Cable box KombiD 120x40x270	120x40x270	96x28	91.50
470220005012	Cable box KombiD 200x50x270	200x50x270	160x38	128.70
470233508012	Cable box KombiD 335x80x270	335x80x270	295x55	209.10
470243508012	Cable box KombiD 435x80x270	435x80x270	400x52	256.10
470253505012	Cable box KombiD 535x50x270	535x50x270	419x35	283.80

Cable boxes hexagonal

Installation with gun foam, plaster, mortar, concrete.

VK. Art. No.	Product name	WxH Outside (mm)	WxH Inside (mm)	Price (€)
470209408015	Cable box KombiR6+ 94x80x270	94x80x27	45x40	109.50
470212811015	Cable box KombiR6+ 128x110x270	128x110x270	80x70	141.30

Cable boxes square

Installation with gun foam, plaster, mortar, concrete.

VK. Art. No.	Product name	WxH Outside (mm)	WxH Inside (mm)	Price (€)
470217211011	Cable box KombiS+160x110x270*	172x110x270	124x74	160.70
470229211011	Cable box KombiS+280x110x270*	292x110x270	274x74	228.40
470234711011	Cable box KombiS+335x110x270*	347x100x270	301x70	270.00
470239211011	Cable box KombiS+380x110x270*	392x110x270	344x70	293.50
470244711011	Cable box KombiS+435x110x270*	447x110x270	401x70	337.60

* Extensions for the KombiS+ boxes for greater wall thicknesses on request.

Cable boxes square

Installation with plaster, mortar, concrete.

VK. Art. No.	Product name	WxH Outside (mm)	WxH Inside (mm)	Price (€)
470213206010	Cable box KombiS 120x60x270	132x60x270	94x33	99.80
470213208010	Cable box KombiS 120x80x270	132x80x270	94x54	106.70
470217208010	Cable box KombiS 160x80x270	172x80x270	134x54	124.60
470217210010	Cable box KombiS 160x100x270	172x100x270	120x64	148.30
470221209010	Cable box KombiS 200x90x270	212x90x270	170x60	140.00
470221210010	Cable box KombiS 200x100x270	212x100x270	164x64	166.20
470234709010	Cable box KombiS 335x90x270	347x90x270	309x33	232.60
470244706010	Cable box KombiS 435x60x270	447x60x270	409x33	245.00
470254706010	Cable box KombiS 535x60x270	547x60x270	509x33	296.30
470264010010	Cable box KombiS 640x100x270	640x100x270	601x60	400.10

Other sizes and special designs on request. Extension to wider wall thicknesses possible.

11 Old/New product designations

Material class	Previous product name	New product designation in AB/LA/RE
BKD150DP wall inserts	BKD 150-K	BKD150-K/(L)
	BKD 150-K2	BKD150-K2/(L)
	BKD 150-AF-235/BE-A4	BKD150-AF-235/BE-A4
	BKD 150-AF-235/BE-VZ	BKD150-AF-235/BE-VZ
	BKD 150-MMB	BKD150-K-MA(D)/(L)
BKD150SD	BKD 150-SMB	BKD150-K-SM(D)/(L)
	BKD 150-D	BKD150-D
	BKD 150-D1/110	BKD150-D-1/110-TM
	BKD 150-D1/110-KS	BKD150-D-1/110-KS
	BKD 150-D1/80	BKD150-D-1/80-TM
	BKD 150-D1/80-KS	BKD150-D-1/80-KS
	BKD 150-D3/59(3/3)	BKD150-D-3/59(3/3)-TM
	BKD 150-D3/59(3/3)-KS	BKD150-D-3/59(3/3)-KS
	BKD 150-D7/38(6/7)	BKD150-D-7/38(7/6)-TM
	BKD 150-D8/35(4/2)/25(4/2)	BKD150-D-8/35(4/2)/25(4/2)-TM
BKD150SE system inserts	BKD 150-D8/35(4/2)/25(4/2)-KS	BKD150-D-8/35(4/2)/25(4/2)-KS
	BKD 150-DMM	BKD150-D-MA(D1-D2)
	BKD 150-ZS/3x(22-54)	BKD150-E-ZS/V2A/EPDM 3x(22-54)
	BKD 150-ZS/6x(4-32)	BKD150-E-ZS/V2A/EPDM 6x(4-32)
	BKD 150-ZS/9x(4-25)	BKD150-E-ZS/V2A/EPDM 9x(4-25)
	BKD 150-ZS/4x(4-32)+6x(4-20)	BKD150-E-ZS/V2A/EPDM 4x(4-32), 6x(4-20)
	BKD 150-WA/(Z)x(D)	BKD150-E-WE/V2A/EPDM (Z)x(D)
	BKD 150-WA/without WE	BKD150-E-110/V2A/EPDM
	BKD150/1x	BKD150-E/V2A/EPDM (Z)x(D)
	BKD150/2x	
	BKD150/3x	
BKD90DP wall insert	BKD150/(Z)x(D)	BKD90-K/(L)
	BKD 90-K	
	BKD 90-K2	
	BKD 90-AF 150/BE-A4	
	BKD 90-AF 150/BE-VZ	
BKD90SD system cover	BKD 90-SMB	BKD90-K-SM(D)/(L)
	BKD 90-D	BKD90-D
	BKD 90-D1/75	BKD90-D-1/75-TM
	BKD 90-D1/75-KS	BKD90-D-1/75-KS
	BKD 90-D3/30(3/3)	BKD90-D-3/30(3/3)-TM
	BKD 90-D3/30(3/3)-KS	BKD90-D-3/30(3/3)-KS
	BKD 90-D5/20(5/5)	BKD90-D-5/20(5/5)-TM
KD110DP wall insert	BKD 90-D5/20(5/5)-KS	BKD90-D-5/20(5/5)-KS
	KD 110-K	KD110-K/(L)
	KD 110-K2	KD110-K2/(L)
KD110SD system cover	KD 110-SMB	KD110-K-SM(D)/(L)
	KD 110-DGM 110	KD110-D-DGM110
	KD 110-D	KD110-D
	KD 110-D-1/80	KD110-D-1/80-TM
	KD 110-D-3/46(3/3)	KD110-D-3/46(3/3)-TM
	KD 110-D-7/32(3/3)/25(4/3)	KD110-D-7/32(3/3)/25(4/3)-TM
	KD 110-DMM	KD110-D-MA(D1)-(D2)

Old/New product designations

Material class	Previous product name	New product designation in AB/LA/RE
GPD Rubber Press Seal single	GPD(A)/1	GPD(A)/30/V2A/EPDM 1x(D)
	GPD(A)/G/1	GPD(A)/G/30/V2A/EPDM 1x(D)
	GPD(A)/F/1	GPD(A)/30/F/V2A/EPDM 1x(D)
	GPD(A)/G/F/1	GPD(A)/G/30/F/V2A/EPDM 1x(D)
	BV(A)/1	BV(A)/30/V2A/EPDM
	GPD(A)/2	GPD(A)/60/V2A/EPDM 1x(D)
	GPD(A)/G/2	GPD(A)/G/60/V2A/EPDM 1x(D)
	GPD(A)/F/2	GPD(A)/60/F/V2A/EPDM 1x(D)
GPDZS	GPD 80-ZS	GPD80/G/40/ZS/V2A/EPDM (Z)x(D1-D2)
	GPD 100-ZS	GPD100/G/40/ZS/V2A/EPDM (Z)x(D1-D2)
	GPD 125-ZS	GPD125/G/40/ZS/V2A/EPDM (Z)x(D1-D2)
	GPD 150-ZS	GPD150/G/40/ZS/V2A/EPDM (Z)x(D1-D2)
	GPD 160-ZS	GPD160/G/40/ZS/V2A/EPDM (Z)x(D1-D2)
	GPD 200-ZS	GPD200/G/40/ZS/V2A/EPDM (Z)x(D1-D2)
GPD Multiple	GPD(A)/1	GPD(A)/30/V2A/EPDM (Z)x(D)
	GPD(A)/G/1	GPD(A)/G/30/V2A/EPDM (Z)x(D)
	GPD(A)/F/1	GPD(A)/30/F/V2A/EPDM (Z)x(D)
	GPD(A)/2	GPD(A)/60/V2A/EPDM (Z)x(D)
	GPD(A)/2/G	GPD(A)/G/60/V2A/EPDM (Z)x(D)
	GPD(A)/F/2	GPD(A)/60/F/V2A/EPDM (Z)x(D)
	TDD(A)/F/WE(Dwe)	TDD(A)/F/WE/V2A/EPDM (Z)x(D)
GPDWE interchangeable insert	GPD (A)/G/2/WE(A1)/(Z)x(D)	GPD(A)/G/60/WE(A1)/V2A/EPDM (Z)x(D)
	WE (A1)/(Z)x(D)	WE(A)/G/60/EPDM (Z)x(D)
	WE (A1)/(Z)x(D)	WE(A)/G/40/EPDM (Z)x(D)
GPD2in1	GPD (A)-2in1/(D1)/WE(Dwe)	GPD(A)/90/2in1/(DH)/WE(A1)/V2A/EPDM (Z)x(D)

Old/New product designations

Material class	Previous product name	New product designation in AB/LA/RE
RRD annular seals	RRD1-(A)/(D)	RRD(A)/20/V2A/EPDM 1x(D)
	RRD1-(A)/(D)/G	RRD(A)/G/20/V2A/EPDM 1x(D)
	RRDWR1-(A)/(D)/G	RRD-WR(A)/G/40/V2A/EPDM 1x(D)
	RRD2-(A)/(D)	RRD(A)/40/V2A/EPDM 1x(D)
	RRD2-(A)/(D)/G	RRD(A)/G/40/V2A/EPDM 1x(D)
	RRDWR2-(A)/(D)/G	RRD-WR(A)/G/60/V2A/EPDM 1x(D)
	RRD3-(A)/(D)	RRD(A)/60/V2A/EPDM/1x(D)
	RRD3-(A)/(D)/G	RRD(A)/G/60/V2A/EPDM 1x(D)
KSSST KSS System Standard	KSS-S150	KSS150-S/(L)
	KSS150/KSSB150	KSS150 with 1 connection element/(L) Page 1 (connection)
	KSS150/KSSB150	KSS150 with 2 connection systems/(L) Page 1 (Connection) Page 2 : (connection)
	KSS-S80	KSS80-S/(L)
	KSS80/KSSB90	KSS80 with 1 connection element/(L) Page 1 (connection)
	KSS80/KSSB90	KSS80 with 2 connection systems/(L) Page 1 (Connection) Page 2 : (connection)
	KSS-S110	KSS110-S/(L)
	KSS110	KSS110 with 1 connection element/(L) Page 1: (connection)
	KSS110	KSS110 with 2 connection systems/(L) Page 1: (Connection) Page 2 : (connection)
	KSS-S125	KSS125-S/(L)
KSSE KSS system single	KSS125	KSS125 with 1 connection element/(L) Page 1 (connection)
	KSS125	KSS125 with 2 connection systems/(L) Page 1 (Connection) Page 2 : (connection)
	KSS B150/150/D8-35-25/(L)	KSS150-MA-D8/35(4/2)/25(4/2)-TM
	KSS-S150-ÜMM	KSS150-MA (160-175)/(160-175)
FUST wall sleeve Standard	KSS-S80-ÜMM	KSS80-MA (75-89)/(75-89)
	FU-VA/(L)	FU(A)/U(L)/V2A
	FU-K/(L)	FU-K/(A)/U(L)
GE Earthing	FU-FZ/(L)	FU-FZ/(A)/U(L)
	GE-D/(L)	GE-D/(L)/V4A/(M12/M16)
	GE-P/(L)	GE-P/(L)/VZ/(M12/M16)
	GE-FD/(L)	GE-FD/(L)/V4A/(M12/M16)
	GE-A/(L)	GE-A/(L)/V4A/(M12/M16)
	GE-FRV/(L)	GE-FRV/(L)/(VZ/V4A)/(M12/M16)
	GE-ABM/(L)	GE-ABM/(L)/(VZ/V4A)/(M12/M16)

General Terms and Conditions of UGA SYSTEM-TECHNIK GmbH & Co. KG

(hereinafter referred to as GTC)

Stand: 02/2020

§ 1 General / Scope

1. Our GTC apply exclusively. They apply to all our offers, sales, deliveries and services. If the Purchaser did not have the opportunity to become aware of the GTC at the time of contract conclusion, they shall nevertheless apply if the Purchaser knew or should have known them from previous transactions.

2. We do not recognize any terms and conditions of the purchaser that are contrary to or deviate from our GTC. If we perform the delivery or service incumbent upon us with knowledge of such terms and conditions of the customer, we thereby also do not recognise such terms and conditions of the customer to which our GTC do not contradict.

3. Our General Terms and Conditions shall only apply to businesses in the sense of § 310 BGB, i.e. not if the customer's order cannot be attributed to either his commercial or his independent professional activity (consumer pursuant to § 13 BGB).

4. No verbal collateral agreements were made. All future amendments to this Agreement shall be made in writing or text pursuant to Section 126b of the German Civil Code (in particular by fax or e-mail); this shall also apply to the cancellation of this formal clause. Our sales representatives are not authorized to waive this form verbally, so changes will not take effect until they are formally confirmed by management or authorized person.

§ 2 Offer - Conclusion of Contract

1. Our offers are subject to change unless otherwise specified.

2. If the order of the customer is an offer to conclude a contract, we can accept it within 10 days.

3. We reserve all property rights and copyrights to illustrations, drawings, calculations and other documents. This applies in particular to -such written documents that are designated as "confidential". Before passing them on to third parties, the customer requires our express consent in writing in accordance with § 126b BGB (in particular fax or e-mail).

§ 3 Prices - Terms of payment

1. Unless otherwise agreed, all prices are ex warehouse or ex works including packaging. From a net goods value of 500 euros, our prices include free delivery to domestic German destinations. Freight, insurance, postage and any other agreed special or incidental services shall be charged in addition at reasonable rates. This also applies if the customer orders special packaging or shipment.

2. Our employees are only entitled to collect payment if this has been confirmed to the customer in writing in advance by our management or an authorised representative.

3. The payment of the purchaser is due immediately. The customer is informed that he is in default at the latest 30 days after receipt of the invoice.

4. The purchaser may only offset counterclaims if they have been legally established, are undisputed or have been recognised by us.

5. We shall be entitled to exercise a right of retention in respect of all claims arising from the business relationship with the customer.

§ 4 Delivery - Period of delivery

1. The commencement of the delivery period we specify presupposes the clarification of all technical questions and the timely and proper fulfillment of the purchaser's obligations. The objection of non-performance of the contract remains reserved.

2. Force majeure or operational disruptions occurring at our premises or those of our suppliers, e.g. due to riots, strikes, lockouts, which temporarily prevent us, through no fault of our own, from delivering the object of purchase on the agreed date or within the agreed deadlines, shall change the delivery times or periods we stated by the duration of the disruption in performance caused by these circumstances. If such a disruption leads to a delay in performance of more than 2 months, the buyer shall be entitled to withdraw from the contract.

3. If a non-specific item is subject of the contract, we shall be obliged to deliver an item of average type and quality from the specified category. This obligation to procure such a thing is limited to the stock at our warehouse or goods from our production. If we do not produce the goods ordered or have not yet received them, we reserve the right to deliver them ourselves. This applies accordingly in case of a special purchase of goods which we have not yet received title to. We shall not be liable for any non-delivery by our upstream supplier for which we are not responsible. This shall also apply if our upstream supplier is in default of delivery for which we are not responsible.

4. The manufacturer reserves the right to make changes to the design or shape, deviations in colour and changes to the scope of delivery during the delivery period, provided that the object of purchase is not significantly changed and the change is reasonable for the purchaser.

5. We reserve the right to charge a minimum quantity surcharge for small quantities.

§ 5 Delay in delivery

1. We shall be liable for default in accordance with the statutory provisions,

- insofar as the underlying purchase contract is a fixed transaction within the meaning of §§ 361 BGB, 376 HGB;

- if, as a result of a delay in delivery for which we are responsible, the customer's interest in the further performance of the contract has ceased to exist,

- insofar as the delay of delivery is due to an intentional or grossly negligent breach of contract attributable to us; this shall also apply to the fault of our representatives or vicarious agents.

2. We shall be liable in accordance with the statutory provisions, but limited to the foreseeable, typically occurring damage,

- if the delay in delivery is due to a grossly negligent or intentional breach of contract for which we are responsible;

- insofar as the delay in delivery attributable to us is due to the slightly negligent breach of a material contractual obligation.

3. If our delay in delivery is only due to the culpable breach of a non-substantial contractual obligation, the purchaser's claim shall be limited to 20% of the delivery value.

§ 6 Endangerment of performance/insolvency

1. If, after the conclusion of the contract, it becomes apparent to us that the (further) fulfilment of the contract is at risk due to a lack of performance by the purchaser, we shall be entitled to refuse the provision of advance performance arising from this contract until the purchaser has made the corresponding payment or provided security for the same.

2. We shall be entitled to withdraw from the contract or to terminate it without notice if the Purchaser fails to provide the corresponding counter-performance concurrently or to provide the security despite a reasonable grace period.

3. If the customer is insolvent or over-indebted, if insolvency or composition proceedings are applied for or opened against his assets, we shall be entitled to withdraw from the contract or to terminate the contract without notice without granting a grace period.

4. If we terminate or withdraw from the contract in accordance with paragraphs 2 or 3, we may claim damages from the customer in lieu of performance or reimbursement of expenses.

§ 7 Acceptance

1. The customer is obliged to perform the actions required for us to fulfil the contract, in particular to accept the item. If he violates this obligation and cannot prove that he is not at fault, he shall be obligated to reimburse the damage incurred in this respect, in particular additional expenses. We reserve the right to assert further claims.

2. If the customer is in default with the acceptance of the object of purchase for more than 14 days from receipt of the notice of availability or proper first delivery by us, we can set the customer a grace period of 14 days in writing with the declaration that we will refuse acceptance of the object of purchase after expiry of this period. After unsuccessful expiry of the grace period, we are entitled to withdraw from the purchase contract by written declaration or to demand payment due to non-fulfilment. It shall not be necessary to set a grace period if the purchaser seriously and finally refuses acceptance or is obviously unable to pay the purchase price even if a grace period is granted. In this case, we are entitled to demand a lump sum compensation of 10% of the agreed purchase price for lost profit. However, the purchaser reserves the right to prove that we have suffered no or less damage. We also reserve the right to prove and claim higher damages.

§ 8 Shipping - Transfer of risk

1. Unless otherwise stated in the order confirmation, delivery is agreed "ex warehouse" or "ex works", i.e. EXW Bolheim (Incoterms 2020).

2. We do not take back transport packaging and all other packaging, except pallets and pallet cages.

3. Exchange pallets and pallet cages that are not exchanged will be invoiced.

Exchange pallets are charged with 16.00 Euro net each and pallet cages with 132.50 Euro each.

4. We will only take out transport insurance if this has been contractually agreed. The corresponding costs shall be borne by the customer.

5. We are entitled to make partial deliveries to a reasonable extent.

§ 9 General rules in case of defects of the purchased item

1. All rights of the purchaser with regard to defects are dependent on the purchaser having fulfilled his obligations to inspect the goods and give notice of defects in accordance with § 377 of the German Commercial Code (HGB).

2. Third-party advertising information is only binding if it has been approved by the manufacturer or by us.

3. If the customer does not follow our or the manufacturer's operating or maintenance instructions, makes changes to the products, replaces parts or uses consumables that do not comply with the original specifications, the warranty shall not apply if the customer does not refute a substantiated claim that one of these circumstances caused the defect.

4. In all other respects, our warranty conditions apply.

§ 10 Subsequent performance

1. If the item is defective, the purchaser shall initially only have the right to demand subsequent performance from us, unless such subsequent performance is unreasonable for us or we have seriously and finally refused it.

2. Subsequent performance may consist of a new delivery of the item or rectification (repair) by us or third parties engaged by us. In each case, we shall be obliged to bear all expenses necessary for the purpose of remedying the defect, in particular transport, travel, labour and material costs, provided that these are not increased by the fact that the purchased item was taken to a place other than the place of performance. In the case of a new delivery, the purchaser shall pay the costs for removal and installation of the purchased item if he is a business.

3. The choice between the different types of supplementary performance shall be at our reasonable discretion (§ 315 BGB). In any case, we shall be entitled to refuse a type of subsequent performance chosen by the Purchaser if the respective other type of subsequent performance causes 15% lower costs for us. The remaining residual value of the item to be returned in the event of a new delivery shall be credited.

4. We are entitled to make the supplementary performance dependent on the purchase price having been settled to a reasonable extent. We shall also be entitled to refuse subsequent performance altogether if the costs thereof exceed the purchase

price agreed upon. If we are responsible for the defect or have given a guarantee for the absence of the defect, we may only refuse to remedy the defect if the costs exceed the purchase price by one third. The remaining residual value of the item to be returned in the event of a new delivery shall be credited.

5. Any subsequent performance by us shall be without recognition of any legal obligation unless we have expressly recognised the defect. Our technicians or fitters are not entitled to acknowledge a defect.

6. If a specific item is the subject of this contract, we shall be entitled to repair it, provided that repair by us or third parties we engage is possible. We shall also be entitled to subsequently deliver an item other than the one stipulated if this is just as suitable for the contractual purposes of the purchaser as the item stipulated. If used goods are the subject of this contract, the Purchaser, if he is a business, is obliged to inspect them immediately for recognisable defects. If he does not report such defects within 3 weeks after handover, the purchaser is excluded from all rights due to recognizable defects if he does not prove that the defect already existed at the time of handover.

§ 11 Further rights in the event of defects

1. If the subsequent performance pursuant to § 440 BGB fails, the Purchaser may, at its option and subject to the existence of the statutory requirements and in compliance with the provisions of §§ 10, 11, 12 and 13 of these General Terms and Conditions of Sale, assert the rights under § 437 No. 2 BGB (rescission or reduction) or § 437 No. 3 BGB (damages or reimbursement of expenses).

2. In the event of insignificant item defects, the Purchaser shall not be entitled to claim damages pursuant to Section 280 (1) of the German Civil Code (BGB). The right to reduce the purchase price is also excluded in the case of insignificant defects.

§ 12 Statute of limitations of the rights for defects

1. The rights of the purchaser due to defects of the item become time-barred five years after delivery of the item. This shall also apply to the purchaser's rights to compensation for damages or compensation for damages instead of performance, also due to all damages to other legal assets of the purchaser which have arisen due to the defect, unless it is a case of damage to the purchaser's life, body or health or we are responsible for the defect due to intent or gross negligence.

2. If the subject matter of this contract also includes rights, the limitation period for the purchaser's claims for defects shall commence when the contracting parties agree on the transfer of such rights to the Purchaser.

§ 13 Withdrawal and damages instead of performance due to breach of duty

1. A deadline set by the Purchaser for supplementary performance must be at least 14 days, unless supplementary performance must be carried out in a shorter period for special reasons.

2. Even after the unsuccessful expiry of a reasonable period of grace, the Purchaser shall only be entitled to withdraw from the contract or to claim damages in lieu of performance if he has given notice thereof when setting the period of grace or otherwise for a reasonable period in advance.

3. If the Purchaser sets a deadline for subsequent performance several times, the Purchaser shall not be entitled to withdraw from the contract or to claim damages in lieu of performance during the term of such deadline.

§ 14 Return delivery

1. Return delivery and/or exchange of defect-free goods is only possible with our express consent. There is no legal obligation to take back the goods. Return deliveries and returns intended for exchange must be delivered to our registered office as soon as possible at the expense of the customer, including any pre-carriage costs paid by us, quoting the delivery bill or invoice number. Until acceptance, the risk is borne by the customer. We are entitled to charge storage costs or decline to take back the goods. The minimum processing fee for returned goods is 50.00 euros net. If special expenses arise from the identification of the returned goods or to put them in perfect condition (repairs, cleaning, etc.), we shall be entitled to charge any costs to the customer.

2. The purchaser is obliged to notify us in advance of any return deliveries. If the customer violates this obligation, he shall be liable for any resulting damage. We reserve the right to return unprocessed and freight collect unannounced returns or even refuse to accept such deliveries. The return of goods must be announced in writing according to § 126b BGB (especially fax or e-mail) and confirmed in writing by UGA - goods that have not been announced will either be returned to the sender (freight collect) or will be charged with an expense allowance in the net amount of 25 Euro (in addition to the following return costs).

§ 15 Liability

1. We shall not be liable for slightly negligent breaches of duty, unless these relate to material contractual obligations or we have assumed a guarantee for the fulfilment of this duty or the success that did not occur due to the breach of duty. This also applies to corresponding actions of our organs and vicarious agents.

2. This exclusion of liability shall not apply insofar as the damage involves injury to life, limb or health or claims arising from the Product Liability Act or claims arising from data protection regulations (in particular the EU General Data Protection Regulation, the Federal Data Protection Act) are affected.

3. We have public liability and product liability insurance. Insofar as this occurs, the exclusion of liability as per paragraph 1 of this clause does not apply with the proviso that the claim for damages in each individual case is limited to a maximum of 1,500,000 euros in total.

4. Any claims for damages by the customer arising from a grossly negligent breach of duty or a grossly negligent tortious act on our part shall be limited to the damage foreseeable for us.

5. Paragraphs 1 to 4 of this clause shall apply mutatis mutandis to tortious acts of our employees and vicarious agents.

§ 16 Retention of title

1. We retain title to the purchased item until receipt of all payments under the delivery contract. In the event of a breach of contract by the customer, in particular in the case of default in payment, we shall be entitled to take back the object of sale after the expiry of an additional respite (insofar as this is not dispensable according to the law). If we take back the object of sale, this shall constitute a withdrawal from the contract. After taking back the object of sale, we shall be entitled to realize it; the proceeds of realization shall be set off against the customer's liabilities – less reasonable costs of realization.

2. The purchaser is obliged to treat the purchased goods with care; in particular, he is obliged to insure them adequately at his own expense against damage by fire, water and theft at replacement value. If maintenance and inspection work is required, the Purchaser must carry this out in good time at its own expense.

3. In the event of seizure or intervention by third parties, the customer must notify us immediately in writing or in text form in accordance with § 126b of the German Civil Code (in particular by fax or e-mail) so that we can take legal action in accordance with § 771 of the German Code of Civil Procedure (ZPO). Insofar as the third party is not in a position to reimburse us for the court and out-of-court costs of an action pursuant to § 771 ZPO (German Code of Civil Procedure), the customer shall be liable for the loss.

4. The customer is entitled to resell the object of sale in the ordinary course of business; however, he hereby assigns all claims in the amount of the final invoice amount (including VAT) of our claim to us, which accrue to him from the resale against his customers or third parties, irrespective of whether the object of sale has been resold without or after processing. The customer shall remain authorized to collect this claim even after the assignment. Our authority to collect the claim ourselves remains unaffected by this. However, we undertake not to collect the claim as long as the customer meets his payment obligations from the proceeds collected, does not default on payment and, in particular, no application for the opening of composition or insolvency proceedings has been filed or payments have not been suspended. If this is the case, however, we may demand that the customer inform us of the assigned claims and their debtors, provide all information required for collection, hand over the relevant documents and inform the debtors (third parties) of the assignment.

5. The processing or transformation of the object of sale by the customer shall always be carried out for us. If the object of sale is processed with other objects not belonging to us, we shall acquire co-ownership of the new object in the ratio of the value of the object of sale (final invoice amount, including VAT) to the other processed objects at the time of processing. In all other respects, the same shall apply to the processed item as to the purchased item delivered subject to reservation of title.

6. If the purchased item is inseparably mixed with other items not belonging to us, we shall acquire co-ownership of the new item in the ratio of the value of the purchased item (final invoice amount, including VAT) to the other mixed items at the time of mixing. If the mixing takes place in such a way that the item of the customer is to be regarded as the main item, it shall be deemed agreed that the customer transfers co-ownership to us on a pro rata basis. The customer shall hold the sole ownership or co-ownership thus created in safe custody for us.

7. The purchaser shall also assign the claims to us as security for our claims against him which arise against a third party as a result of the connection of the object of sale with a real estate property.

8. We undertake to release the securities to which we are entitled at the request of the customer to the extent that the realizable value of our securities exceeds the claims to be secured by more than 10%; the selection of the securities to be released shall be incumbent upon us.

§ 17 Place of Jurisdiction - Place of Performance - Data Protection

1. If the customer is a merchant, our place of business shall be the place of jurisdiction; however, we shall also be entitled to sue the customer at the court of his place of residence or business.

2. In the case of cross-border deliveries, the exclusive place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship shall be Heidenheim/Brenz, Federal Republic of Germany, provided that the Purchaser is a merchant within the meaning of the German Commercial Code (HGB). However, we shall also be entitled to sue the customer at any other court which has jurisdiction on the basis of the European Jurisdiction and Enforcement Regulation (EuGVVO) or other legal provisions and international agreements.

3. If the customer is a consumer, the statutory place of jurisdiction shall apply. The court at our registered office shall, however, have additional jurisdiction if the consumer is of unknown residence or has moved abroad after conclusion of the contract.

4. Unless otherwise stated in the order confirmation, our registered office shall be the place of performance.

5. All legal relations between us and the customer arising from this contract shall be governed solely by the law applicable to the legal relations of domestic parties at our registered office (German law), to the exclusion of foreign law. The validity of the UN Convention on Contracts for the International Sale of Goods (CISG) is excluded.

6. Please note our information on data protection, which we have provided for you on our website www.uga.eu/de/daten-schutz.html under "Data protection".

Bolheim, February 2020

Notes

Notes

Do you have any questions?
We will be happy to advise you!



Hotline +49 (0) 7324 9696-33

Mon. to Thu. 7:30 – 18:00

Fri. 7:30 – 15:00

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UGA SYSTEM-TECHNIK GmbH & Co. KG

Heidenheimer Str. 80 – 82 • 89542 Herbrechtingen

Phone +49 (0) 7324 9696-0 • Fax -96 • info@uga.eu • www.uga.eu