



# GPD

Rubber Press Seals

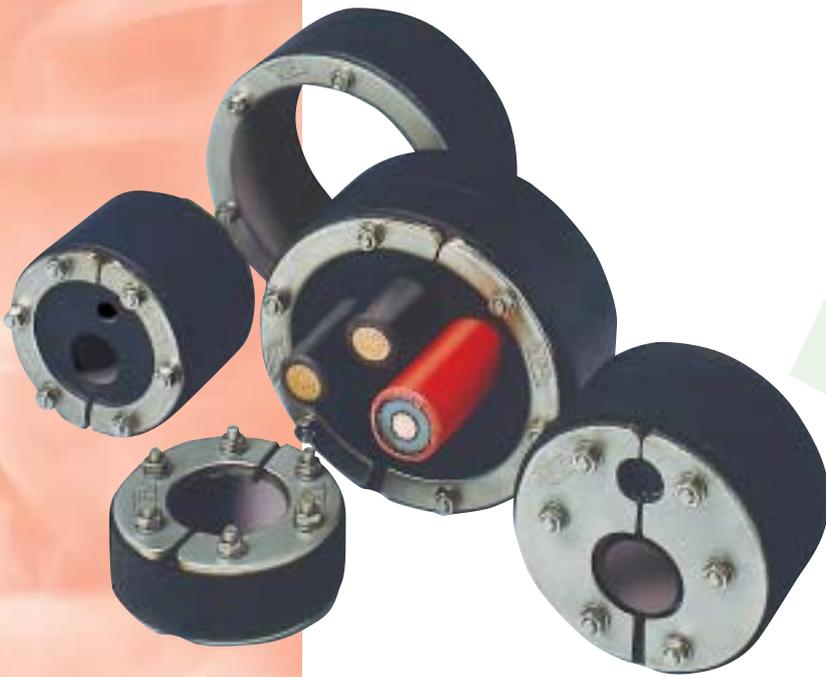


SYSTEM-TECHNIK

*Leading in ideas*

# GPD

## Rubber Press Seals



### Design

Available with a rubber thickness of 30 mm for sealing against non-pressing water and a rubber thickness of 60 mm for pressing water.

The „one-piece design“ is suitable for installation during plumbing and wiring.

For installation of the GPD after plumbing and wiring or under difficult conditions a „divided design“ is required.

All metal parts are of stainless steel.

▶ GPD - plugs the gap

▶ No matter if cable or pipe - system GPD always offers a safe solution. Rubber Press Seals can be inserted into the most varied pipe linings, diamond tipped drilled holes or entrance systems without any problems.

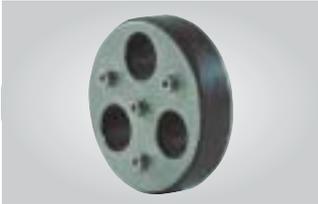
▶ For special applications please contact our technical department.



for cables

for pipes

## Application and Function



**non-pressing water**  
One-piece GPD, suitable for non-pressing water. Installation only possible during plumbing and wiring. Max. number of cables and diameter of grouping see grouping table on page 6.

**order no.: GPD (A)/1/(Z)x(D)**  
(A) = outside dia. of GPD  
△ inside dia. of diamond tipped drilled hole or pipe lining  
(Z) = number of cables  
(D) = diameter of individual cables

Rubber Press Seals GPD are used for protecting pipes and cables. They can be installed in a pipe lining as well as directly into a diamond tipped drilled hole.  
GPDs also serve as a guide and for acoustic uncoupling. When tightening the hexagon nuts the rubber disc is displaced by the press plates. Thus a secure and permanent sealing is accomplished even under water pressure that can be released at any time.



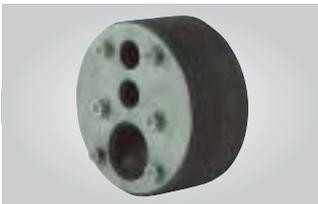
**non-pressing water**  
One-piece GPD, suitable for non-pressing water. Installation only possible during plumbing and wiring.

**order no.: GPD (A)/1/1x(D)**  
(A) = outside dia. of GPD  
△ inside dia. of diamond tipped drilled hole or pipe lining  
(D) = diameter of pipe (Ø)



**pressing water**  
One-piece GPD, suitable for pressing water. Installation only possible during plumbing and wiring.

**order no.: GPD (A)/2/1x(D)**  
(A) = outside dia. of GPD  
△ inside dia. of diamond tipped drilled hole or pipe lining  
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**pressing water**  
One-piece GPD, suitable for pressing water. Installation only possible during plumbing and wiring. Max. number of cables and diameter of grouping see grouping table on page 6.

**order no.: GPD (A)/2/(Z)x(D)**  
(A) = outside dia. of GPD  
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(Z) = number of cables  
(D) = diameter of individual cables



**pressing water**  
Divided GPD, suitable for pressing water. Installation also possible after plumbing and wiring. Max. number of cables and diameter of grouping see grouping table on page 6.

**order no.: GPD (A)/G/2/(Z)x(D)**  
(A) = outside dia. of GPD  
△ inside dia. of diamond tipped drilled hole or pipe lining  
(Z) = number of cables  
(D) = diameter of individual cables



**non-pressing water**  
Divided GPD, suitable for non-pressing water. Installation also possible after plumbing and wiring.

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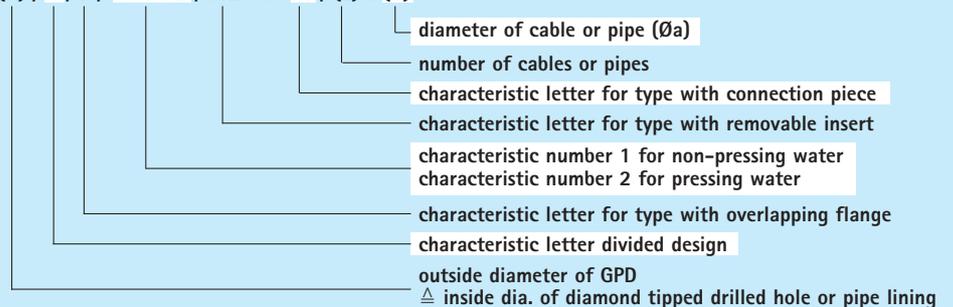
**order no.: GPD (A)/G/1/(Z)x(D)**  
(A) = outside dia. of GPD  
△ inside dia. of diamond tipped drilled hole or pipe lining  
(Z) = number of cables  
(D) = diameter of individual cables

On request rubber bore cores up to dia. 50 mm can be supplied free of charge.

## Product Nomenclature

Example: GPD

GPD (A) / G / F / 1 oder 2 / WE oder ST / (Z) x (D)



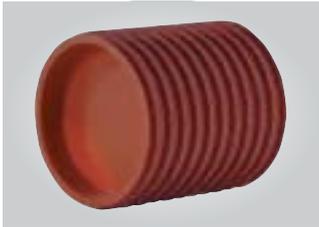
# Pipe Linings

## General

Pipe linings will be supplied fitting to the wall thickness of the structural works and are imbedded flush into the formwork.

Upon supply our plastic pipe linings are closed with PE covers on the front side and are thus prepared for imbedding into the concrete.

In case of fibre cement and stainless steel pipe linings special concepts for project-related applications are also possible, as e.g. design with integral and slip-on type flange (basement waterproofing) to DIN 18195 part 9.



**Plastic Pipe Lining**  
with labyrinth glands and expansion seal coating on the outside. Available from diameter 60 to 500 mm.

order no.: **FU-K (A)/(L)**

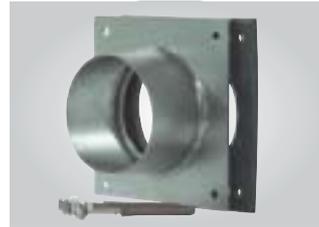
(A) = inside dia. in mm  
(L) = wall thickness in mm



**Fibre Cement Pipe Lining**  
with labyrinth grooves on the outside. Asbestos-free material. Available from diameter 80 to 1500 mm.

order no.: **FU-FZ (A)/(L)**

(A) = inside dia. in mm  
(L) = wall thickness in mm



**Flange**  
suitable for sealing in front of a diamond tipped drilled hole in wall or ceiling. Available with flange gasket and fastening elements. Made of stainless steel.

order no.: **GPD-F-VA/(A)**

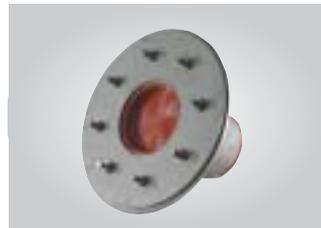
(A) = inside dia. in mm



**Stainless Steel Pipe Lining**  
material no. 1.4301, with welded centre flange. Available from diameter 60 to 1500 mm.

order no.: **FU-VA (A)/(L)**

(A) = inside dia. in mm  
(L) = wall thickness in mm



**Pipe Lining with integral / slip-on type flange**  
to DIN 18 195 part 9. For sealing of waterproof sheeting (black basement lining). Made of stainless steel. Available from diameter 60 to 1500 mm.

order no.:  
**FU-VA (A)/F+L/T9(N)D/L**

(A) = inside dia. in mm  
(L) = wall thickness in mm



**Divided Flange**  
for subsequently sealing in front of a diamond tipped drilled hole in wall or ceiling. Available with flange gasket and fastening elements. Made of stainless steel.

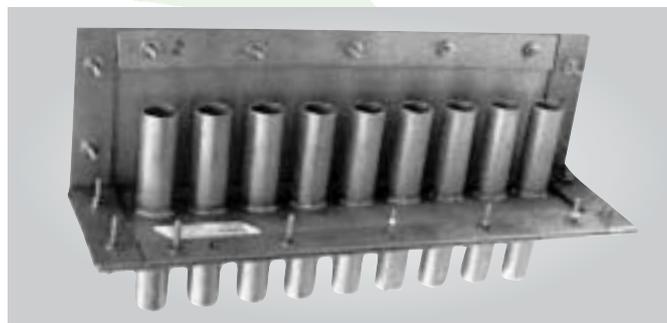
order no.: **GPD-F-G-VA/(A)**

(A) = inside dia. in mm

### GPD Pipe Linings available in Special Design

Special concepts for project-related applications as well as special sizes are available after technical clarification at short notice.

Our field representatives will be glad to support you in planning.



## Product Nomenclature

### Example: Pipe Lining

FU- K - FZ - VA (A) / (L)

— wall thickness  
— pipe inside diameter  
— stainless steel pipe lining  
— fibre cement pipe lining  
— plastic pipe lining

We provide replacements for all parts which are impaired in their function due to faults in the material. No replacement for defects that are due to transport or storage or result from faulty processing or installation or the effects thereof. Our specifications are based on the current state of the art. Subject to technical modifications. Due to the amount of possible influences during installation and application our specifications do not release processors and users from checking and testing the material themselves.

# Dimensional Table

## Dimensional Table Pipe Outside Diameter

size in inches	nominal diameter	copper pipes	steel pipes	steel pipes with PE coating	hard-PE pipes – 1 <sup>st</sup> long distance heating lines	CI sewage pipes with sleeves	CI sewage pipes without sleeves (SML) and MI pipes	SG ductile pressure pipes	fibre cement pipes	vitrified clay pipes (normal)	vitrified clay pipes (reinforced)	PE pipes HDPE PN 2.5 / 3.2	PE pipes HDPE PN 6	PE pipes LDPE PN	PE pipes LDPE PN 10	high temp./canal/ plastic sewage pipes	PVC pressure pipes PN 10 / 16	PP + ABS
3/8	10	12	17,2												16		12	
	12	15											16	16	20		16	16
1/2	15	18	21,3										20	20	25		20	20
3/4	20	22	26,9	31	90								25	25	32		25	25
1	25	28	33,7	38	90								32	32	40		32	32
1 1/4	32	35	42,4	46,5	110								40	40	50		40	40
1 1/2	40	42	42	52,5	110							50	50	50	63		50	50
			48,3															
2	50	54	53	65	125	60	58		64	78 <sup>+3</sup>		63	63	63	75	50	63	63
		57	60,3												63	63		
2 1/2	65	76,1	76,1	80	140								75	75		63	75	75
	(70)					80	78		84			75		90		75		75
	(75)									105 <sup>+4</sup>								90
3	80	80	88,9	93	160			98				90	90					
		88,9			168													
					180													
4	100	104	102	112	180	112	110	118	116	132 <sup>+5</sup>		110/125	110			110	110	110
		108	108	119	200													
		114,3	114,3															
5	125	130	133	137	225	137	135	144	141	160 <sup>+4</sup>		125/140	140			125	140	125
		133	139,7	144														140
6	150	154	159	163	250	162	160	170	168	187 <sup>+4</sup>		160	180			160	160	160
		159	168,3	173	266											180	180	180
					280													
	200	208	219,1	224	315	212	210	222	220	242 <sup>+5</sup>	262 <sup>+5</sup>	160/180	225			200	225	200
		219			334													225
	(225)				355							200/225	250					250
																		250
	250	267	273	278	400	274	274	274	270	296 <sup>+6</sup>	318 <sup>+6</sup>	250/280	280			250	280	250
																		280
																		315
	300	324	323,9		450		326	326	322	350 <sup>+7</sup>	374 <sup>+7</sup>	315/355	355			315	355	315
																		400
	350		355,6		500			378	378	404 <sup>+7</sup>	430 <sup>+7</sup>		400					355
																		400
	400		406,4		560		429	429	432	460 <sup>+8</sup>	490 <sup>+8</sup>					400	450	
	450		457,2		630				486	524 <sup>+8</sup>	548 <sup>+8</sup>		450					
	500		508	670			532	532	573	581 <sup>+9</sup>	607 <sup>+9</sup>					500		
													560			560		
	600		609,6					635	646	687 <sup>+12</sup>	721 <sup>+12</sup>		630			630		
	700		711,2					738	750	790 <sup>+15</sup>	831 <sup>+15</sup>		710					
	800		812,8					842	856	895 <sup>+17</sup>	941 <sup>+17</sup>		800					

# GPD

## Variants and Special Solutions

### The GPD Idea

GPD rubbers are made of EPDM. As an option, they are also available in NBR.

Rubber Press Seals are available in numerous variants and designs.



GPD with removable insert for changing repeated groupings, suitable for pressing water.

order no.:  
GPD (A)/G/2/WE(A1)/(Z)x(D)



GPD with connection pieces a combination of the rubber press technique and the shrink-on technique. With 1 to 8 connection pieces suitable for cables and pipes.

order no.:  
GPD (A)/2/ST/(Z1)x(D1)

(A) = outside dia. of GPD  
△ inside dia. of diamond tipped drilled hole or pipe lining  
(Z1) = number of connection pieces  
(D1) = inside diameter of connection pieces



GPD with overlapping Flange available as one-piece or divided design, for non-pressing and pressing water. One-piece design:

order no.:  
GPD (A)/F/(1 or 2)/(Z)x(D)

Divided design:

order no.:  
GPD (A)/G/F/(1 or 2)/(Z)x(D)

Suitable for the distribution of electricity, gas and water in structural and civil engineering.

For diamond tipped drilled holes and pips of all diameters.

Subsequent installation for already laid cables and pipes possible.

Gas- and watertight up to 10 bars.

Soundproof.

Elastic bedding of cables or pipes, i.e. shocks are absorbed.

Basement waterproofing according to DIN 18195 part 9, integral / slip-on type flange.

More efficiency due to short installation time.

### Grouping table

Inside Ø d. t. dr. hole/ pipe lining	Z=1 cable/pipe Ø in mm	Z=3 cables/pipes Ø in mm	Z=5 cables/pipes Ø in mm	Z=9 cables/pipes Ø in mm	order no. divided GPD for pressing water
60 mm	up to 34	up to 20	up to 12	up to 8	GPD 60/G/2/(Z)x(D)
80 mm	up to 45	up to 25	up to 16	up to 12	GPD 80/G/2/(Z)x(D)
100 mm	up to 66	up to 30	up to 22	up to 15	GPD 100/G/2/(Z)x(D)
125 mm	up to 87	up to 40	up to 35	up to 22	GPD 125/G/2/(Z)x(D)
150 mm	up to 112	up to 50	up to 40	up to 28	GPD 150/G/2/(Z)x(D)
200 mm	up to 162	up to 70	up to 60	up to 43	GPD 200/G/2/(Z)x(D)
250 mm	up to 212	up to 85	up to 70	up to 50	GPD 250/G/2/(Z)x(D)
300 mm	up to 260	up to ...	up to	up to	GPD 300/G/2/(Z)x(D)
350 mm	up to 300				GPD 350/G/2/(Z)x(D)
400 mm	up to 350				GPD 400/G/2/(Z)x(D)
450 mm	up to 400				GPD 450/G/2/(Z)x(D)
500 mm	up to 450				GPD 500/G/2/(Z)x(D)

### GPD with Replacement Insert

Inside dia d. t. dr. hole/ pipe lining	Z=3 cables dia in mm	Z=5 cables dia in mm	Z=9 cables dia in mm	order no. divided GPD for pressing water
100 mm	up to 22	up to 17	up to 12	GPD 100/G/2/WE65/(Z)x(D)
125 mm	up to 30	up to 24	up to 16	GPD 125/G/2/WE85/(Z)x(D)
150 mm	up to 42	up to 34	up to 24	GPD 150/G/2/WE110/(Z)x(D)
200 mm	up to 50	up to 38	up to 27	GPD 200/G/2/WE125/(Z)x(D)

(A) = outside diameter of GPD  
△ inside diameter of diamond tipped drilled hole or pipe lining

(A1) = outside diameter of replacement insert

(Z) = number of cables to be sealed

(D) = diameter of individual cables

Other combinations with different diameters are also possible.



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