



**GASTROPARTS**

Universal Catalogue › Water Technology ›

# [EN] Ancillary products

[DE] Hilfsmittel

[ES] Material auxiliar

[FR] Auxiliares

[IT] Materiale ausiliario

[PL] Materiały pomocnicze

[RU] Вспомогательный материал

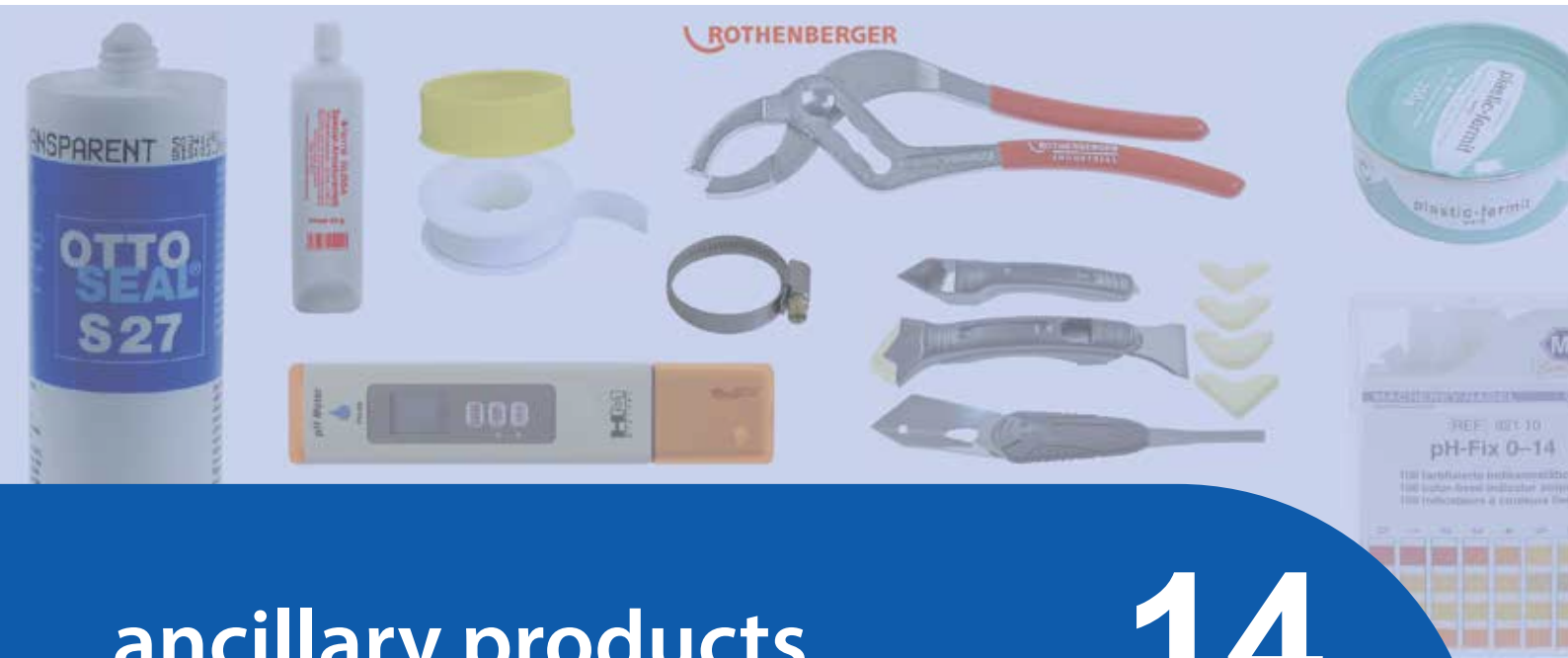
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# ancillary products

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## ancillary products

### fitting greases



fig.	Part No.	description
1	890119	Fermit GLISSA - tube 30g Non-dripping lubricating grease for hot and cold water valves and fittings Ductile, smooth, non-dripping lubricating grease for valves and fittings, that with regard to food law is beyond reproach and is therefore also suitable for drinking water pipes. Can also be used for machines and equipment where Glissa valve and fitting grease comes into contact with food or drinking water. Temperature range: -20°C to +140°C Approved by NSF-H 1 and DIN 51502
2	890116	Fermit GLISSA - tube 60g Non-dripping lubricating grease for hot and cold water valves and fittings Ductile, smooth, non-dripping lubricating grease for valves and fittings, that with regard to food law is beyond reproach and is therefore also suitable for drinking water pipes. Can also be used for machines and equipment where Glissa valve and fitting grease comes into contact with food or drinking water. Temperature range: -20°C to +140°C Approved by NSF-H 1 and DIN 51502
3	890118	Fermit GLISSA - can 1000g Non-dripping lubricating grease for hot and cold water valves and fittings Ductile, smooth, non-dripping lubricating grease for valves and fittings, that with regard to food law is beyond reproach and is therefore also suitable for drinking water pipes. Can also be used for machines and equipment where Glissa valve and fitting grease comes into contact with food or drinking water. Temperature range: -20°C to +140°C Approved by NSF-H 1 and DIN 51502

### PTFE tapes



**technical data:**  
thickness 0,1mm  
features temperature-resistant, elastic

pos.	Part No.	L (m)	W (mm)	temp. (°C)	approval
1	890012	12	12	-200 up to +260	DIN-DVGW, KTW
2	890100	12	12	-200 up to +260	DIN-DVGW, KTW
3	890013 <sup>1</sup>	13.3	12.7	-240 up to +260	DIN-DVGW, KTW, BAM

<sup>1</sup>Golden Band

### thread sealing cords



fig.	Part No.	product name	L (m)	temp. (°C)	approval
1	890109	FERMIT	175	-200 up to +240	DVGW, KTW, WRC, UL
2	890162	LOCTITE 55	50	-55 up to +130	DVGW, KTW, WRAS, NSF

### hemp



fig.	Part No.	description
1	890089	hemp dispenser
2	890080	Neo-Fermit - 150g Non-toxic sealing paste for metal threaded connections in conjunction with hemp. Suitable for gas and drinking water in domestic equipment installations (DIN-DVGW-Reg. 83.01c188).
3	890086	sealing hemp coil 80g

### sealants



fig.	Part No.	description
1	890081	Hochdruck-Fermit - can 500g Non-toxic, pressure-proof and heat-resistant pasty putty for sealing threads, flanges and faces on high-pressure equipment, tubrine casings, steam lines etc. - also in conjunction with hemp. Temperature range: -20°C up to +160°C, briefly also up to +200°C Pressure: maximum 16 bar
2	890083	Plastic-Fermit - can 250g - white Plastic-Fermit is a permanently plastic, kneadable sealant compound based on plastic which meets the highest demands made on sanitary installation. Is particularly suitable for the insertion of drain valves in, for example, washstands, baths and is suitable for hot and cold water. Do not use for marble or other natural stone! Temperature range: -10°C to +100°C
3	890082	Plastic-Fermit - can 500g - white Plastic-Fermit is a permanently plastic, kneadable sealant compound based on plastic which meets the highest demands made on sanitary installation. Is particularly suitable for the insertion of drain valves in, for example, washstands, baths and is suitable for hot and cold water. Do not use for marble or other natural stone! Temperature range: -10°C to +100°C



surface sealants



fig.	Part No.	description
1	890084	Fermitol - bottle 125ml Liquid synthetic resin sealant resistant to oil, liquefied petroleum gas, petrol, benzene, paraffin/kerosene, greases, water, steam, acid, alkaline solution, brine, seawater etc., once set also resistant to spirit and all fuel mixtures. For the sealing of threads, flanges and faces on water, petrol, greases and oil lines, oil heating units, propane gas units, engines, engine casings, gearboxes, machines, process equipment and tanks.
2	890070	LOCTITE® 518™ - cartridge 50ml Medium-strength sealant which cures when confined in the absence of air between close-fitting metal surfaces. Typical applications include sealing close-fitting joints between rigid metal faces and flanges. Provides resistance to low pressures immediately after assembly of flanges. Typically used as a form-in-place gasket on rigid flanged connections, e.g. transmissions and engine casings.
3	890071	LOCTITE® 573™ - bottle 50ml Seals close-fitting joints between rigid metal faces and flanges. The product cures when confined in the absence of air between close-fitting metal surfaces. Typically used as a form-in-place gasket on rigid flanged connections, e.g. transmission and engine casings, etc. It is the ideal product for part assembly jobs extending over several hours. The nature of LOCTITE 573 reduces the migration of liquid product after application to the part.
4	890072	LOCTITE® 574™ - bottle 50ml Seals close-fitting joints between rigid metal faces and flanges. The product cures when confined in the absence of air between close-fitting metal surfaces. It provides resistance to low pressures immediately after assembly. Typically used as a form-in-place gasket on rigid flanged connections. The nature of LOCTITE® 574™ reduces the migration of liquid product after application to the substrate. It has a high oil tolerance and excellent water and glycol resistance.

thread sealants



fig.	Part No.	description
1	890084	Fermitol - bottle 125ml Liquid synthetic resin sealant resistant to oil, liquefied petroleum gas, petrol, benzene, paraffin/kerosene, greases, water, steam, acid, alkaline solution, brine, seawater etc., once set also resistant to spirit and all fuel mixtures. For the sealing of threads, flanges and faces on water, petrol, greases and oil lines, oil heating units, propane gas units, engines, engine casings, gearboxes, machines, process equipment and tanks.
2	890058	LOCTITE® 511™ - bottle 50ml It is designed for the locking and sealing of metal threaded pipes and fittings. The product cures rapidly when confined in the absence of air between close fitting metal surfaces.
3	890135	LOCTITE® 511™ - tube 50ml It is designed for the locking and sealing of metal threaded pipes and fittings. The product cures rapidly when confined in the absence of air between close fitting metal surfaces.
4	890098	LOCTITE® 5331™ - tube 100ml It is designed for the locking and sealing of plastic and metal fittings carrying hot or cold water, e.g. industrial and agricultural plastic water pipe systems or drainage systems.
5	890128	LOCTITE® 542™ - bottle 50ml It is designed for the locking and sealing of metal pipes and fittings as well as other cylindrical metal assemblies. The product cures when confined in the absence of air between close-fitting metal surfaces and prevents loosening and leakage due to shock and vibration. The thixotropic nature of LOCTITE 542 reduces the migration of liquid product after application to the part.



fig.	Part No.	description
6	890097	LOCTITE® 577™ - bottle 50ml It is designed for the locking and sealing of metal pipes and fittings as well as other cylindrical metal assemblies. The product provides an instant, low-pressure seal for metal pipes and fittings. It will not creep, shrink or block systems by shredding. Suitable for fast application at low temperatures. It has excellent chemical and thermal resistance and offers less migration of liquid product after application to the part.
7	890096	Universal type for all non-releasable threaded joints (3/8" - R2"), high-strength. Approved by DIN-DVGW. Application area: Specially developed for all DVGW applications of production class 3, non-releasable. Universally applicable as a threadlocker and joint with relatively large amount of clearance.



## silicone

## industrial silicones



fig.	Part No.	description
1	890007	Fermi N - cartridge 310ml - grey Elastic, odourless silicone joint sealant with fungistatic incorporation, lightfast, cleaner-resistant and reacting with atmospheric moisture. For sealing, above all, in sanitary and damp rooms, in the kitchen area and in sectional furniture. Temperature range -40°C to +120°C
2	890112	OTTOSEAL S 100 - cartridge 300ml - aluminium Used for expansion joints in bathroom areas, sealing of expansion joints in floor and wall areas, sealing and bonding of glass modules and sealing double glazings (e. g. „Profilit“). - 1-component acetate-curing silicone sealant - Excellent weathering, ageing and UV-resistance - Contains fungicide and bacteriostatic - Unique processing characteristics - Surface can be smoothed very easily - Very good adhesion on ceramic substrates - Stress expansion modules at 100% (DIN 53 504, S3A): 0.3N/mm <sup>2</sup> - Temperature range -40°C to + 180°C
2	890110	OTTOSEAL S 100 - cartridge 300ml - transparent Used for expansion joints in bathroom areas, sealing of expansion joints in floor and wall areas, sealing and bonding of glass modules and sealing double glazings (e. g. „Profilit“). - 1-component acetate-curing silicone sealant - Excellent weathering, ageing and UV-resistance - Contains fungicide and bacteriostatic - Unique processing characteristics - Surface can be smoothed very easily - Very good adhesion on ceramic substrates - Stress expansion modules at 100% (DIN 53 504, S3A): 0.3N/mm <sup>2</sup> - Temperature range -40°C to + 180°C
2	890111	OTTOSEAL S 100 - cartridge 300ml - white Used for expansion joints in bathroom areas, sealing of expansion joints in floor and wall areas, sealing and bonding of glass modules and sealing double glazings (e. g. „Profilit“). - 1-component acetate-curing silicone sealant - Excellent weathering, ageing and UV-resistance - Contains fungicide and bacteriostatic - Unique processing characteristics - Surface can be smoothed very easily - Very good adhesion on ceramic substrates - Stress expansion modules at 100% (DIN 53 504, S3A): 0.3N/mm <sup>2</sup> - Temperature range -40°C to + 180°C

## food-grade silicones



fig.	Part No.	description
1	890115	OTTOSEAL S 27 - cartridge 300ml - grey Used for sealing in the food sector, e. g. in dairies, abattoirs, beverage and food production plants, canteen kitchens etc. and sealing in the drinking water area between ceramic coatings. - 1-component acetate-curing silicone sealant - Tested for applications in the food and drinking water sector - Good chemical resistance, e. g. to diluted acids and bases - High resistance to notches, tension and tearing - Excellent weathering, ageing and UV-resistance - Temperature range -40°C to + 180°C
1	890113	OTTOSEAL S 27 - cartridge 300ml - transparent Used for sealing in the food sector, e. g. in dairies, abattoirs, beverage and food production plants, canteen kitchens etc. and sealing in the drinking water area between ceramic coatings. - 1-component acetate-curing silicone sealant - Tested for applications in the food and drinking water sector - Good chemical resistance, e. g. to diluted acids and bases - High resistance to notches, tension and tearing - Excellent weathering, ageing and UV-resistance - Temperature range -40°C to + 180°C
1	890114	OTTOSEAL S 27 - cartridge 300ml - white Used for sealing in the food sector, e. g. in dairies, abattoirs, beverage and food production plants, canteen kitchens etc. and sealing in the drinking water area between ceramic coatings. - 1-component acetate-curing silicone sealant - Tested for applications in the food and drinking water sector - Good chemical resistance, e. g. to diluted acids and bases - High resistance to notches, tension and tearing - Excellent weathering, ageing and UV-resistance - Temperature range -40°C to + 180°C
2	890106	Tomabond - TB40 - tube 90g - transparent For flexible sealing in drinking water, food, water and industrial kitchen areas. Securely joins glass, metal, wood-based materials, ceramic and plastics with high adhesion (1.1 N/mm <sup>2</sup> ). Fungicide-, algicide- and solvent-free, ageing-resistant. Temperature-resistant from -40 °C to +160 °C Tested and approved by KTW / KSW.





## dispensing guns



1

fig.	Part No.	description
1	890027	dispensing gun for standard cartridges L 350mm ø 52mm H30



2

fig.	Part No.	description
2	890028	dispensing gun for standard cartridges L 375mm ø 51mm

## tools for joints



1

fig.	Part No.	description
1	801749	silicone joint remover



2

fig.	Part No.	description
2	801750	silicone joint remover attachment 8-piece incl. joint smoother R3/6/10/13/17

## metal perforators

RUKO

hole cutter sets



1

fig.	Part No.	version	ø (mm)	slicing thickness (mm)
1	801487	5-piece	28.3/32.0/35.0	up to 4



2

fig.	Part No.	version	ø (mm)	slicing thickness (mm)
2	801742	10-piece	16.5/20.4/25.4/32.5/40.5	up to 4



3

fig.	Part No.	version	ø (mm)	slicing thickness (mm)
3	801740	11-piece	15.2/18.6/20.4/22.5/28.3/32.0	up to 4



5

fig.	Part No.	version	ø (mm)	slicing thickness (mm)
5	801741	13-piece	15.2/18.6/20.4/22.5/28.3/37/47/54	up to 4



4

fig.	Part No.	version	ø (mm)	slicing thickness (mm)
4	801744 <sup>1</sup>	12-piece	16.5/20.4/25.4/32.5/40.5/50.5	up to 4

<sup>1</sup>with manual hydraulic punch

metal perforators with thrust ball bearing



pos.	Part No.	Hø (mm)	T (mm)	pos.	Part No.	Hø (mm)	T (mm)
1	801330	16	up to 1.75	6	801986	29	up to 1.75
2	801331	20.4	up to 1.75	7	801335	32	up to 1.75
3	801332	22.5	up to 1.75	8	801988	33	up to 1.75
4	801333	25	up to 1.75	9	801336	35	up to 2.5
5	801334	28.3	up to 1.75	10	801337	37	up to 2.5

tension screws with ball bearing



pos.	Part No.	suitable for	L (mm)	TS
1	801351	plate puncher 16-25mm	50	M10x1
2	801352	plate puncher 28.3-37mm	60	M12x1.5



TPT Tools

hole cutter sets



1

fig.	Part No.	version	sizes	slicing thickness (mm)
1	801325	10-piece	1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	up to 2.0

spare parts



1

2

3

fig.	Part No.	description
1	801868	metal perforator 1/2" (22.5mm)
1	801869	metal perforator 3/4" (28.3mm)
1	801870	metal perforator 1" (34.6mm)
1	801871	metal perforator 1 1/4" (43.2mm)
1	801872	metal perforator 1 1/2" (49.6mm)
1	801873	metal perforator 2" (61.5mm)
2	801874	tension screw with ball bearing suitable for 1/2"
2	801875	tension screw with ball bearing suitable for 3/4" - 2"
3	801876	socket wrench 19mm L 40mm



4

fig.	Part No.	description
4	801877	ratchet 1/2" L 250mm

hole saws

hole saws (bi-metal)



1

fig.	Part No.	scope of delivery	ø (mm)	cutter
1	801481	8-piece	22/29/35/44/51/68	HSS



2

fig.	Part No.	scope of delivery	ø (mm)	cutter
2	801743	11-piece	19/22/29/35/38/44/51/57/64	HSS



3

fig.	Part No.	scope of delivery	ø (mm)	cutter
3	801745	11-piece	19/22/29/35/38/44/51/57/64	HSS Co 8





fig.	Part No.	scope of delivery	ø (mm)	cutter
4	801747	8-piece	19/22/29/38/44/57	HSS Co 8



fig.	Part No.	scope of delivery	ø (mm)	cutter
5	801790	8-piece	22/29/35/44/51/64	HSS



fig.	Part No.	scope of delivery	ø (mm)	cutter
6	801791	8-piece	19/22/29/38/44/57	HSS



fig.	Part No.	scope of delivery	ø (mm)	cutter
7	801958	11-piece	19/22/29/35/38/44/51/57/64	HSS



pos.	Part No.	description	ø (mm)	pos.	Part No.	description	ø (mm)
1	801825	hole saw	19	7	801831	hole saw	38
2	801826	hole saw	22	8	801832	hole saw	44
3	801827	hole saw	25	9	801833	hole saw	51
4	801828	hole saw	27	10	801834	hole saw	57
5	801829	hole saw	29	11	801835	hole saw	64
6	801830	hole saw	35				



pos.	Part No.	description	suitable for	shaft ø (mm)
1	801780	hole saw arbor	hole saws ø14-30mm	9.5
2	801781	hole saw arbor	hole saws ø14-30mm	11
3	801782	hole saw arbor	hole saws ø32-152mm	11

hole saws (hard metal)



pos.	Part No.	ø (mm)	shaft ø (mm)	pos.	Part No.	ø (mm)	shaft ø (mm)
1	801170	21	10	4	801176	27	10
2	801171	22	10	5	801297	28	10
3	801174	25	10	6	801178	29	10

Table continues overleaf



pos.	Part No.	ø (mm)	shaft ø (mm)	pos.	Part No.	ø (mm)	shaft ø (mm)
7	801962	32	10	11	801185	40	10
8	801963	33	10	12	801186	44	10
9	801179	35	10	13	801190	48	10
10	801180	38	10	14	801191	52	13

pilot drills



pos.	Part No.	size (mm)	material	application	L (mm)
1	801202	6	hard metal	for hole saws ø16-70mm	52
2	801200	6	HSS	for hole saws ø16-70mm	52
3	801203	8	hard metal	for hole saws ø75-150mm	52
4	801201	8	HSS	for hole saws ø75-150mm	52

pliers

fitting pliers



pos.	Part No.	description
1	800272	fitting pliers 90°

Swedish pipe wrenches



fig.	Part No.	description
1	801079	Swedish pipe wrench S-inlet size 1½" L 416mm

siphon pliers



pos.	Part No.	description
1	800271	siphon pliers size 10" L 250mm

water pump pliers



fig.	Part No.	size	L (mm)
1	801819	1¼"	255

1

fig.	Part No.	type	version	size	L (mm)
1	801071	Basic	handle with plastic coating	1¼"	250

2

fig.	Part No.	type	version	size	L (mm)
2	801084	Basic	with push button setting	1¼"	250

3

fig.	Part No.	type	version	size	L (mm)
3	801693	Classic	handle with plastic coating	2½"	300

4

fig.	Part No.	type	version	size	L (mm)
4	801083	professional	ergonomic handle	1¼"	250

1

fig.	Part No.	size	L (mm)	fig.	Part No.	size	L (mm)
1	800264	1"	180	1	800266	1 1/2"	300
1	800265	1 1/4"	250				



## clamps

## assortment cases



Band (Edelstahl) - Schraube (Messing)  
Tape (stainless steel) - screw (brass)  
Cinta (acero inoxidable) - tornillo (latón)  
Bando (acier inox) - vis (laiton)  
Nastro (acciaio inox) - vite (ottone)

W2



W2

10x ø 8-12mm  
10x ø 10-16mm  
10x ø 12-20mm  
10x ø 16-27mm  
10x ø 20-32mm  
10x ø 25-40mm  
5x ø 32-50mm  
5x ø 50-70mm  
5x ø 60-80mm

Band (Edelstahl) - Schraube (Edelstahl)  
Tape (stainless steel) - screw (stainless steel)  
Cinta (acero inoxidable) - tornillo (acero inoxidable)  
Bando (acier inox) - vis (acier inox)  
Nastro (acciaio inox) - vite (acciaio inox)

W4



W4

5x ø 12-20mm  
5x ø 40-60mm



W4

1x 3m

1

fig.	Part No.	description
1	402955	assortment case hose clamps



Band (Edelstahl)  
Tape (stainless steel)  
Cinta (acero inoxidable)  
Bando (acier inox)  
Nastro (acciaio inox)

W4



20x W4

ø 6,0-7,0mm  
ø 7,0-8,7mm  
ø 7,8-9,5mm  
ø 8,8-10,5mm  
ø 9,6-11,3mm  
ø 9,8-12,3mm  
ø 10,8-13,3mm  
ø 11,3-13,8mm  
ø 12,0-14,5mm  
ø 13,2-15,7mm  
ø 14,5-17,0mm  
ø 15,3-18,5mm  
ø 16,6-19,8mm  
ø 17,8-21,0mm



2

fig.	Part No.	description
2	403242	assortment case one ear clamps





hose clamps

DIN 3017 - W2



**technical data:**  
material SS W2  
clamp width 9mm

pos.	Part No.	ø (mm)	Qty (pcs)	pos.	Part No.	ø (mm)	Qty (pcs)
1	520110	8-12	10	7	520116	32-50	5
2	520111	10-16	10	8	520117	40-60	5
3	520112	12-20	10	9	520118	50-70	5
4	520113	16-27	10	10	520119	60-80	5
5	520114	20-32	10	11	520454	70-90	5
6	520115	25-40	10				

DIN 3017 - W4



**technical data:**  
material SS W4  
clamp width 9mm

pos.	Part No.	ø (mm)	Qty (pcs)	pos.	Part No.	ø (mm)	Qty (pcs)
1	520846	8-12	10	8	520849	25-40	10
2	520847	10-16	10	9	520850	32-50	5
3	520120	12-20	1	10	520851	40-60	5
4	520923	12-20	10	11	520852	50-70	5
5	520121	16-27	1	12	520853	60-80	5
6	520924	16-27	10	13	520854	70-90	5
7	520848	20-32	10				

double wire clamps



**technical data:**  
material zinc-coated steel

pos.	Part No.	clamping range (mm)	wire gauge ø (mm)	Qty (pcs)
1	505340	5.6-6	0.8	100
2	505341	6.3-7	1	100
3	505342	7-7.5	1	100
4	505343	7.3-7.8	1	100
5	505344	7.8-8.3	1	100
6	505345	8.3-8.8	1	100
7	505346	8.8-9.3	1	100
8	505347	9.3-9.8	1	100
9	505348	9.8-10.4	1.2	100
10	505349	10.4-11	1.2	100
11	505350	11-11.6	1.2	100
12	505351	11.6-12.2	1.5	100
13	505352	12.2-12.9	1.5	100
14	505353	12.4-13.1	1.2	100
15	505354	12.9-13.6	1.5	100
16	505355	13.3-14.1	1.5	100
17	505356	13.6-14.4	1.5	100
18	505359	14.8-15.9	1.6	50

pos.	Part No.	clamping range (mm)	wire gauge ø (mm)	Qty (pcs)
19	505358	14.4-15.1	1.8	50
20	505360	15.1-15.9	1.8	50
21	505361	15.5-16.3	1.8	50
22	505362	15.9-16.8	1.8	50
23	505363	16.8-17.7	1.8	50
24	505364	17.7-18.7	1.9	50
25	505365	18.7-19.5	2	50
26	505366	19.6-20.5	2	50
27	505367	20.6-21.6	2	50
28	505368	21.5-22.6	2.2	50
29	505369	22-23.1	2.2	50
30	505370	22.4-23.6	2.2	50
31	505371	23.5-24.7	2.2	50
32	505372	24.5-25.8	2.5	50
33	505373	25.1-26.4	2.5	50
34	505374	25.6-26.9	2.5	50
35	505375	26.7-28.1	2.5	50
36	505376	27.9-29.4	2.5	50
37	505377	29.3-30.9	2.8	20
38	505378	30.4-32	2.8	20
39	505379	31.8-33.4	2.8	20
40	505380	33.2-34.8	2.8	20
41	505381	33.9-35.7	2.8	20
42	505382	34.6-36.4	3	20
43	505383	36.2-38	3	20
44	505384	37.7-39.7	3.2	20
45	505385	38.5-40.5	3.2	20
46	505386	39.4-41.4	3.2	20
47	505387	40.7-42.3	3.2	20
48	505388	41-43.2	3.2	20
49	505389	42.8-45	3.2	20
50	505390	44.6-46.8	3.2	20
51	505391	46.5-48.9	3.2	20
52	505392	48.4-50.9	3.5	10
53	505393	50.6-53.2	3.5	10
54	505394	52.7-55.4	3.5	10

security hose clamps

SS/brass



**technical data:**  
material SS/brass  
quantity 5 pcs

pos.	Part No.	ø (mm)	width (mm)	pos.	Part No.	ø (mm)	width (mm)
1	520065	5-10	10	7	520071	17-22	11
2	520066	7-12	10	8	520073	20-25	11
3	520067	9-14	10	9	520074	22-27	11
4	520068	12-17	11	10	520075	24-29	11
5	520069	14-19	11	11	520076	25-30	11
6	520070	16-21	11	12	520077	28-33	11





## SS/SS



**technical data:**  
material SS  
quantity 1 pcs

pos.	Part No.	ø (mm)	width (mm)	pos.	Part No.	ø (mm)	width (mm)
1	520084	5-10	10	7	520083	17-22	11
2	520078	7-12	10	8	520085	20-25	11
3	520079	9-14	10	9	520086	22-27	11
4	520080	12-17	11	10	520087	24-29	11
5	520081	14-19	11	11	520088	25-30	11
6	520082	16-21	11	12	520089	28-33	11

## double wire clamps with screw



pos.	Part No.	ø (mm)	Qty (pcs)	pos.	Part No.	ø (mm)	Qty (pcs)
1	505550	14-17	20	12	505559	50-55	10
2	505551	19-22	20	13	505560	54-58	10
3	505552	23-27	20	14	505561	63-67	10
4	505553	25-29	20	15	505292	64-68	10
5	505554	29-33	20	16	505562	72-76	10
6	505293	34-38	20	17	505564	75-80	10
7	505290	37	10	18	505565	75-80	10
8	505555	41-45	10	19	505566	84-88	10
9	505556	42-46	10	20	505079	186-172	1
10	505557	45-49	10	21	505080	235-215	1
11	505558	48-52	10				

## one ear clamps



**technical data:**  
material SS W4

pos.	Part No.	size (mm)	Qty (pcs)	pos.	Part No.	size (mm)	Qty (pcs)
1	520750	6.0-7.0	20	11	520760	11.5-14.0	20
2	520751	7.0-8.7	20	12	520761	12.0-14.5	20
3	520752	7.8-9.5	20	13	520762	12.3-14.8	20
4	520753	8.8-10.5	20	14	520763	12.8-15.3	20
5	520755	9.4-11.9	20	15	520764	13.2-15.7	20
6	520754	9.6-11.3	20	16	520765	13.7-16.2	20
7	520756	9.8-12.3	20	17	520766	14.1-16.6	20
8	520757	10.3-12.8	20	18	520767	14.3-16.8	20
9	520758	10.8-13.3	20	19	520768	14.5-17.0	20
10	520759	11.3-13.8	20	20	520771	14.8-18.0	20

pos.	Part No.	size (mm)	Qty (pcs)	pos.	Part No.	size (mm)	Qty (pcs)
21	520769	15.0-17.5	20	30	520781	25.4-28.6	10
22	520772	15.3-18.5	20	31	520782	26.9-30.1	10
23	520773	16.0-19.2	20	32	520783	27.6-30.8	10
24	520774	16.6-19.8	20	33	520784	28.4-31.6	10
25	520775	17.8-21.0	20	34	520785	29.9-33.1	10
26	520777	20.3-23.5	10	35	520786	31.4-34.5	10
27	520778	20.9-24.1	10	36	520787	32.9-36.1	10
28	520779	22.4-25.0	10	37	520770	14.5-17.8	20
29	520780	23.9-27.1	10	38	520776	19.4-22.6	10

## hose clamp assortment cases



fig.	Part No.	material	scope of delivery	type
1	520127	SS	3m tensioning belt, 8 x tension locks	EASYROLL

fig.	Part No.	description
1	520123	tension lock SS 1.4301
2	515080	tension strap Qty 10 pcs
3	520122	tensioning belt SS Qty 5m W 8mm

## water testing equipment

## conductivity meters



fig.	1
Part No.	800196
type	GMH 3431
measuring range	0µS/cm-200mS/cm
temp. (°C)	0-85
display	conductivity/temperature
function	auto-range; hold function
interface	serial (adapter not included)
min/max value memory	X
accuracy (temperatur)	±0.2% v. MW ±0.3K
conductivity 1	0-200.0µS/cm
conductivity 2	0-2000µS/cm
conductivity 3	0-20.00mS/cm
conductivity 4	0-200.0mS/cm
dimensions (mm)	142x71x26



TDS meters



fig.	1
Part No.	800010
type	TDS-3
measuring range	0-9990 ppm
temp. (°C)	0-80
display	ppm
function	with thermometer feature
interface	-
min/max value memory	HOLD
accuracy (temperatur)	± 2%
dimensions (mm)	155x31x23

pH meters



fig.	Part No.	pH	temp. (°C)	dimensions (mm)	resolution	connection
1	800009	0-14pH	0-80	153x32x18	0.1	-



fig.	Part No.	pH	temp. (°C)	dimensions (mm)	resolution	connection
2	800198 <sup>1</sup>	0-14pH	-5 up to +150	142x71x26	0.1°C	BNC socket

<sup>1</sup>with serial interface

accessories



fig.	Part No.	pH	temp. (°C)	connection
1	800199	0-14pH	0-80	BNC plug

measuring devices



fig.	Part No.	description
1	800358	control strip Chlorine Qty 100 pcs
2	800075	control strip pH 0-14pH Qty 100 pcs
3	800304	control strip pH 4.5-10 Qty 100 pcs



fig.	Part No.	description
4	541474	control strip type water hardness test water hardness (German)
5	800034	measuring device total hardness and carbonate hardness

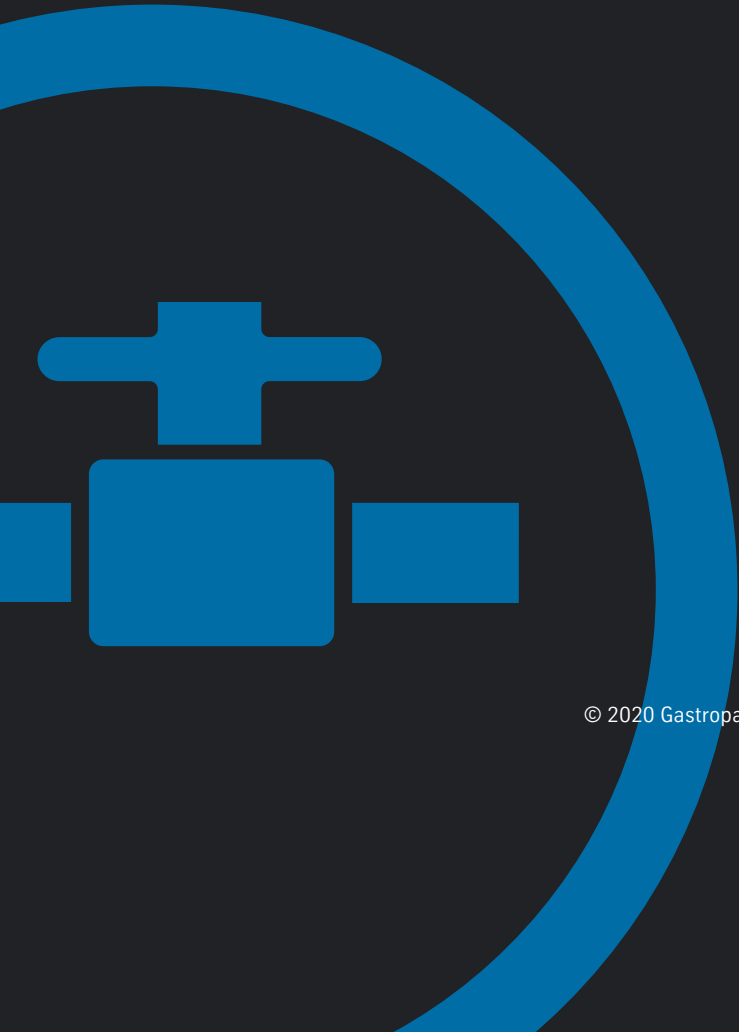


fig.	Part No.	description
6	540621	measuring device type carbonate hardness general test
7	540620	measuring device type general test for water hardness



fig.	Part No.	description
8	800306	measuring device type water hardness test water hardness (French)
9	800308	measuring device type water hardness test water hardness (German)

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