

Fittings & Accessories



*Fittings &
Accessories
for accurate
measurements*

Table of contents



FITTINGS, ACCESSORIES AND SPARE PARTS.....	5
GKJ Packing Gland for vacuum sealed cans & glass jars.....	5
TPJ Packing Gland - frame for doypacks & flatpouches.....	6
GWJ21005C Packing gland for small pouches.....	6
TGJ Blister Pouches Assembly.....	6
GEJ Packing Gland for plastic & aluminium containers.....	7
TEJ21080C037 Pouch Fixture.....	7
HUJ Packing gland for filled metal containers.....	7
RECART Packing gland for retortable cartons.....	8
GFJ-36009C-000 Packing Gland - for measurements in containers.....	8
HBJ-Q Packing Gland for ravioli, meat balls, fish etc.....	8
HBJ-120 Packing Gland for all kind of sausages.....	9
HBJ060 Hotdog Internal Fixture.....	9
HBK70000Q Packing Gland for shrimps.....	9
Feed Through.....	10
Feed Through for STC thermocouples.....	10
Packing Gland for mounting in Retort/Autoclave.....	10
Rubber Packings - For silicone cables.....	11
Rubber Packings - For PTFE cables.....	11
TSK/TSJ Packing Gland for internal fittings.....	11
TBJ Packing Gland - frame for bottles, cans, jars & trays.....	12
Container pressure.....	12
PAJ Pro Pressure - for external mounting in vials & bottles.....	13
GNK Packing Gland - for glass ampoules with breakable necks.....	13
GVJ Packing Gland - for measurements inside ampoules.....	13
GLK20050C005/GLJ25050C005 - for plastic ampoules & syringe barrels...	14
GNQ Packing Gland - for glass ampoules with pointed ends.....	14

Table of contents



GPK Packing Gland - for glass & plastic vials.....	14
GVK Packing Gland - for glass & plastic bottles.....	15
TIK Packing Gland - for internal fixtures.....	15
IV Bags - external mounting.....	15
Packing glands for vials.....	16
LYO Shuttle - for measurements in vials & on shelf	16
Temperature/Relative Humidity in smokehouses with loggers.....	16
Wall Contact Puck - for measuring surface temperature.....	17
Contact Clamp - for measuring on the outside of pipes.....	17
Protecting sleeves for loggers.....	17
FIXPRO Case - fixation & protection case for loggers.....	18
Logger Fix.....	18
Protective holder for loggers.....	18
ID Labels for thermocouples.....	19
Thermal Barrier in PTFE.....	19
Thermal Barriers.....	20
TOOLS	21
TC89 Can Punch.....	21
TC40S Pre-perforater & TC41 Perforation tool.....	21
TC42 Cutting tool.....	22
TC25 Cutting tool & TC26 Spanner.....	22
SPARE PARTS	23
Space bars - Peek/Stainless steel.....	23
Stake for fixture.....	23
Accessory Box.....	24
TrackSense Pro & Compact O-rings.....	24

Table of contents



Mini & Micro Logger O-rings.....	24
Logger Tray.....	25
Grease for O-rings.....	25
Batteries - TSP/Compact/Frigo/Mini/Micro & ETI.....	26
SUITCASES / FLIGHTCASES	27
Calculations for sensor, gland & space bar specifications.....	30

Fittings, Accessories & Spare parts

GKJ Packing Gland

Normal & vacuum sealed cans and glass jars.

Packing Glands for Probes 1.2 mm

Stainless steel tube

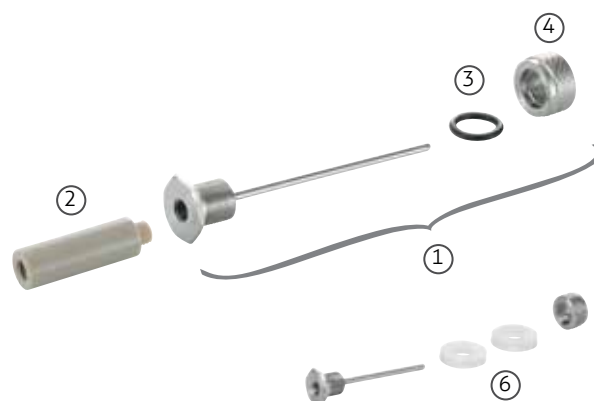
Type	Description	Ordering code	No.
GKJ13009C042	42 mm	25810051	①
GKJ13009C052	52 mm	25810052	①
GKJ13009C082	82 mm	25810056	①
GKJ21009C	Without tube	35901000	-



Packing Glands for Loggers 2 mm

Stainless steel tube

Type	Description	Ordering code	No.
GKJ21009C042	42 mm	35901042	①
GKJ21009C047	47 mm	35901047	①
GKJ21009C052	52 mm	35901052	①
GKJ21009C057	57 mm	35901057	①
GKJ21009C062	62 mm	35901062	①
GKJ21009C077	77 mm	35901077	①
GKJ21009C102	102 mm	35901102	①
GKJ21009C	Without tube	35902000	-



Spare Parts

Type	Description	Ordering code	No.
GKK31008Kxxx	Space Bar in Peek	259040xx	②
GKJ87012U	Rubber Washer	25810064	③
GKJ90014L	Fingernut Steel	25810197	④
GFJ-K	Wedge Washers	25810030	⑤
GFJ-S	Silicone Washer	25810029	⑥
GEM31008Kxxx	Distance Piece	259011xx	⑦



TPJ Packing Gland

Stainless steel frame for plastic & aluminium doypacks and flatpouches.

Packing Glands for Probes 1.2 mm

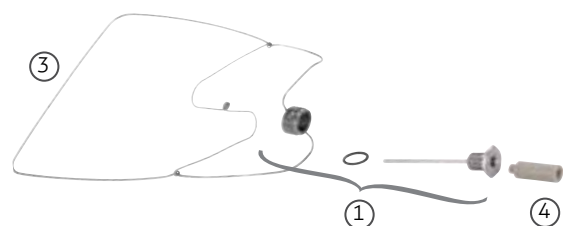
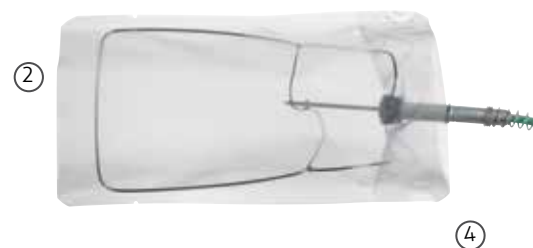
Type	Description	Ordering code	No.
GKJ13009Cxxx	Packing gland	25810xxx	①
TPJ Flat Pouch	Stainless steel frame	35000113	②
TDJ Stand-up Pouch	Stainless steel frame	35000111	③

Packing Glands for Loggers 2 mm

Type	Description	Ordering code	No.
GKJ21009Cxxx	Packing gland	35901xxx	①
TPJ Flat Pouch	Stainless steel frame	35000113	②
TDJ Stand up Pouch	Stainless steel frame	35000111	③

Spare Parts

Type	Description	Ordering code	No.
GKK31008Kxxx	Space bar in peek	259040xx	④

**GWJ21005C Packing gland**

Packing gland for small pouches.

Packing Gland for Probes & Loggers

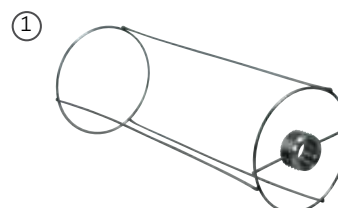
Type	Description	Ordering code	No.
GWJ21005C057	Packing gland	35901003	①

**TGJ Blister Pouches Assembly**

Packing gland for blister pouches.

Packing Gland for Probes & Loggers

Type	Description	Ordering code	No.
TGJ Blister pouches	Blister pouches	35000127	①



GEJ Packing Gland

Packing gland for small plastic and aluminium containers.

Packing Glands for Probes 1.2 mm

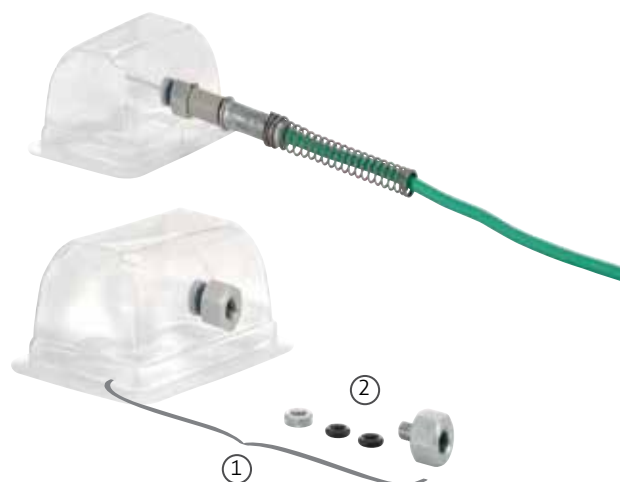
Type	Description	Ordering code	No.
GEJ13040C005	Packing gland	25810021	①

Packing Glands for Loggers 2 mm

Type	Fitting	Ordering code	No.
GEJ26040C005	Packing gland	25810589	①

Spare Parts

Type	Description	Ordering code	No.
GEJ37007U	Rubber Washer	25810022	②

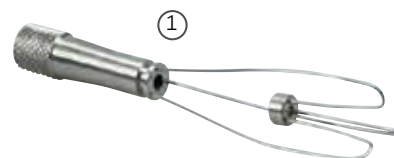


TEJ21080C037 Pouch Fixture

Packing gland for pouches.

Packing Gland for Probes & Loggers

Type	Description	Ordering code	No.
TEJ21080C037	Pouch Fixture	35000125	①



HUJ Packing Gland

Packing gland for filled metal containers

Packing Glands for Probes 1.2 mm

Type	Description	Ordering code	No.
HUJ13035C005	Packing gland	25810405	①

Packing Glands for Loggers 2-3 mm

Type	Description	Ordering code	No.
HUJ31035C005	Packing gland	25901005	①

Spare Parts

Type	Description	Ordering code	No.
HUJ40018S	Silicone Washer	25810430	②



RECART Packing Gland

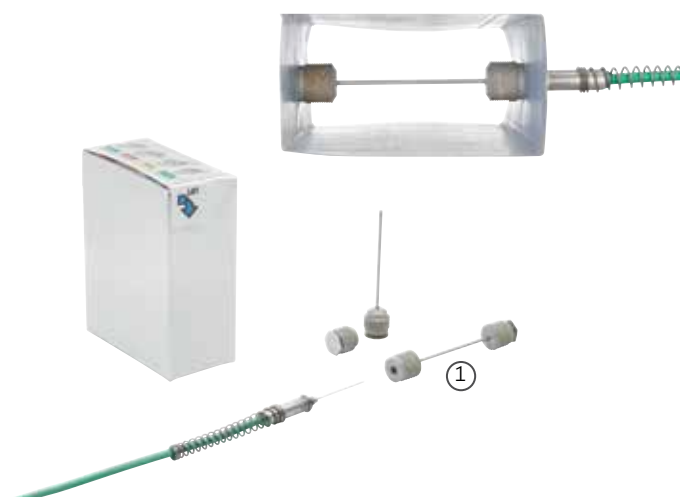
Packing gland for retortable cartons.

Packing Gland for Probes 1.2 mm and square boxes/bricks 82 mm.

Type	Description	Ordering code	No.
GTJ RECART	Double gland 80 mm	25810433	①

Packing Glands for Loggers 2 mm

Type	Description	Ordering code	No.
GTJ RECART	Double gland 42 mm	25810439	-



GFJ-36009C-000 Packing Gland

Measurements in all kinds of containers with SD4 probes.

Packing Gland for multipoint probe

Type	Description	Ordering code	No.
GFJ36009C000	Gland Multipoint	25810026	①
GFK95012M050	Protection Tube	25810345	②

Spare Parts

Type	Description	Ordering code	No.
GKJ90014L	Fingernut Steel	25810197	③
GFJ95020K000	Wedge Washers	25810030	④



HBJ-Q Packing gland

Packing gland for all kind of ravioli pieces. The packing gland and can also be used for meat balls, chunks, fish etc., in sterilization, pasteurization, cooling and freezing.

Packing Gland for Probes & Loggers

Type	Description	Ordering code	No.
HBJ-Q	Fixture for Ravioli	25000098	①

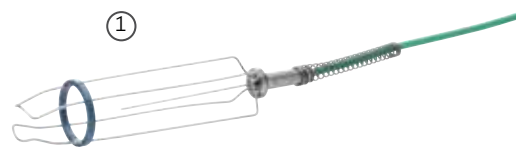


HBJ-120 Packing Gland

Packing gland for all kind of sausages in sterilization, pasteurization, cooling and freezing.

Packing Gland for Probes & Loggers

Type	Description	Ordering code	No.
HBJ-120	Hotdog Fixture	35000003	①

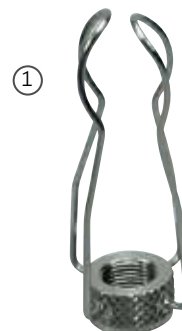


HBJ060 Hotdog Internal Fixture

Packing gland for small sausages.

Packing Gland for Probes & Loggers

Type	Description	Ordering code	No.
HBJ-060	Hotdog int. fixture	35000006	①



HBK70000Q Packing Gland

Packing gland for all kind of shrimps in sterilization, pasteurization, cooling and freezing.

Packing Gland for Probes & Loggers

Type	Description	Ordering code	No.
HBK70000Q001	Fixture for Shrimps with protection	35000002	①



Feed Through - For STC thermocouples

Supports up to 40 thermocouples sensors and pressure sensor.

Type	Description	Ordering code	No.
FT20 1½"	Feed Through 1½" up to 20TC's	21412021	①
FT40 1½"	Feed Through 1½" up to 40TC's	21412022	①
T-Piece set complete	Complete T-piece set with adaptor for digital pressure sensor. Suitcase included.	21412033	②



Feed Through - For SSA / STC thermocouples

Supports up to 16 temperature thermocouples sensors and pressure sensor.

Type	Description	Ordering code	No.
Feed Through ½"	Feed through ½" incl. rubber packing without holes	21412006	①
Feed Through ¾"	Feed through ¾" incl. rubber packing without holes	21412003	①
Feed Through 1"	Feed through 1" incl. rubber packing without holes	21412001	①



Rubber Packings - For SSA thermocouples (silicone cables)

Hole diameter: 4 mm

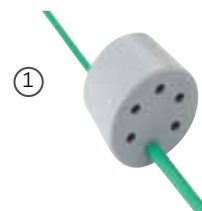
Type	Description	Ordering code	No.
GQJ40024S004	Rubber packing with 4 holes, ½"	25800003	-
GRJ40027S004	Rubber packing with 4 holes, ¾"	25800007	-
GRJ40027S006	Rubber packing with 6 holes, ¾"	25800008	-
GRJ40027S008	Rubber packing with 8 holes, ¾"	25800018	②
GSJ40036S012	Rubber packing with 12 holes, 1"	25800025	-
GSJ40036S016	Rubber packing with 16 holes, 1"	25800057	-



Rubber Packings - For STC thermocouples (PTFE cables)

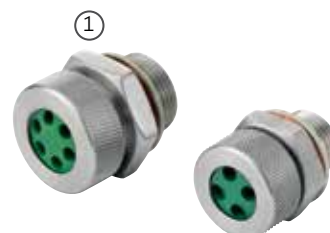
Hole diameter: 2 mm

Type	Description	Ordering code	No.
GQJ20024s004	Rubber packing with 4 holes, 1/2"	25800079	①
GQJ20024S008	Rubber packing with 8 holes, 1/2"	25800064	-
GRJ20027S004	Rubber packing with 4 holes, 3/4"	25800084	-
GRJ20027S008	Rubber packing with 8 holes, 3/4"	25810481	-
GRJ20027S016	Rubber packing with 16 holes, 3/4"	25800065	-
G SJ20036S012	Rubber packing with 12 holes, 1"	25800069	-
G SJ20036S016	Rubber packing with 16 holes, 1"	25800063	-



Packing glands for mounting in Retort/ Autoclave

Type	Description	Ordering code	No.
GQJ16G12C	Packing gland 1/2" incl. solid rubber packing (no holes)	25800017	①
GQJ21031A	Copper Packing, outer 1/2"	25800002	-
GRJ19G34C	Packing gland 3/4" incl. solid rubber packing (no holes)	25800016	-
GRJ26034A	Copper Packing, outer 3/4"	25800011	-
G SJ19G34C000	Branch Pipe 3/4"	25800010	-
G SJ25G10C	Packing gland 1" incl. solid rubber packing (no holes)	25800027	-
G SJ34040A	Packing, outer 1"	25800026	-



TSK/TSJ Packing Gland

Packing gland for internal fittings.

Packing gland for MINI & MICRO loggers

Type	Description	Ordering code	No.
TSK MINI	Internal Fixture	35401082	①
TSJ Micro	Internal Fixture	35401084	②
TSJ Micro PRS/TMP	Internal Fixture	35401090	③

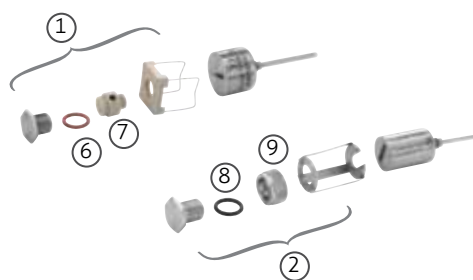


Packing gland for TSP loggers

Type	Description	Ordering code	No.
TSJ for TSP	Internal Fixture	25901082	⑤
TSJ for Compact	Internal Fixture	25901099	⑤

Spare Parts for TSK/TSJ Packing Gland

Type	Description	Ordering code	No.
GTJ-U	Rubber Washer	25810070	⑥
TKK	Distance Piece	354500xx	⑦
GKJ-U	Rubber Washer	25810064	⑧
GKJ	Fingernut Steel	25810197	⑨



TBJ Packing Gland

Stainless steel frame for bottles, cans, jars, and trays.

Type	Description	Ordering code	No.
TBJ Bottle	Bottle Fixture	35000109	①

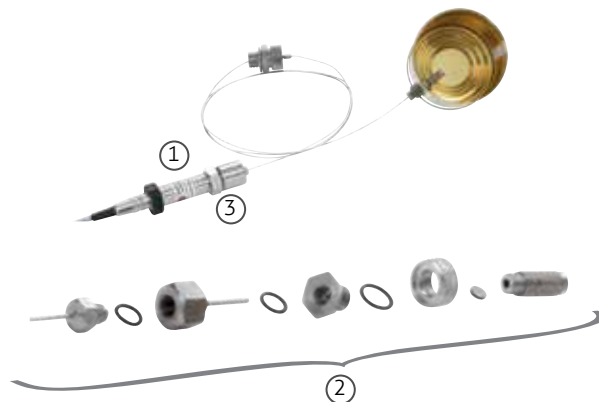


Container pressure

Real time pressure with E-Val Pro.

Packing Glands for Probes

Type	Description	Ordering code	No.
Digital PRS Sensor	Digital pressure sensor 0-4 Bar	21412000	①
PAJDIGITALC030	PRS connecting kit for containers	21412005	②
PRS O-RING	O-RING for digital PRS sensor	21412099	③



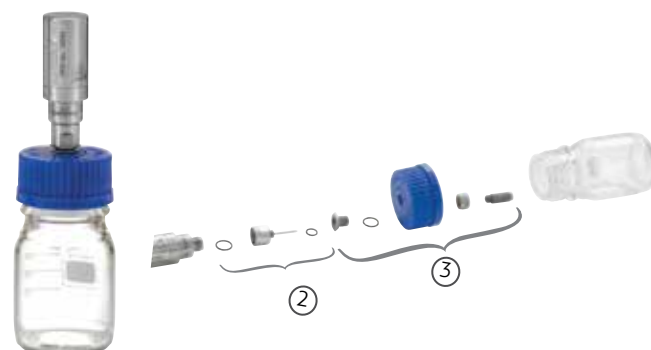
PAJ Pro Pressure Packing Gland

External mounting in vials and bottles.

Type	Description	Ordering code	No.
PAJ Pro pressure	Pressure system	35510004	①

Spare Parts

Type	Description	Ordering code	No.
PAJ/PRO020	Piercing needle	35520028	②
PAJ0709C	Packing gland	25520130	③



GNK Packing Gland

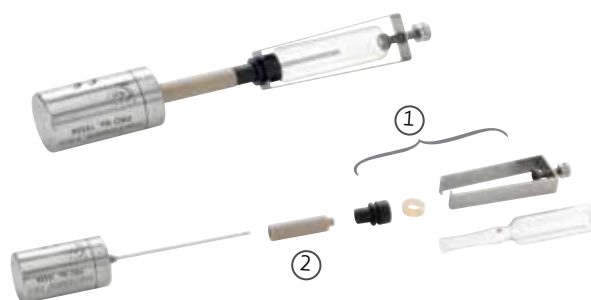
Packing gland for glass ampoules with breakable necks.

Packing Glands for Probes 1.2 mm and loggers 2 mm

Type	Description	Ordering code	No.
GNK13	Packing gland	2581000x	①
GNK21	Packing gland	2590002x	①

Spare Parts

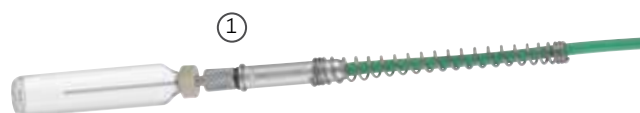
Type	Description	Ordering code	No.
GKK31008kxxx	Space bar	259040xx	②



GVJ Packing Gland

Measurements inside ampoules are possible with this packing gland.

Type	Description	Ordering code	No.
GVJ21045C	Packing gland ampoule	25810112	①
GVJ21050C	Packing gland ampoule	25810113	①
GVJ21060C	Packing gland ampoule	25810110	①
GVJ21070C	Packing gland ampoule	25810111	①



GLK20050C005 / GLJ25050C005

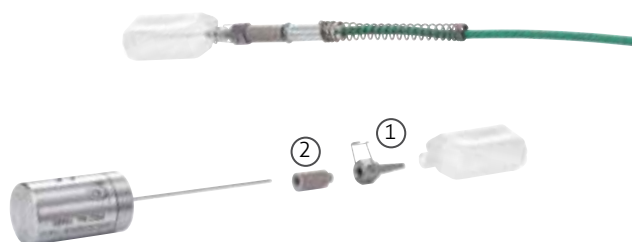
Packing gland for plastic ampoules and syringe barrels with cone.

Packing Glands for Probes 1.2 mm & for loggers 2 mm

Type	Description	Ordering code	No.
GLK 2.1 mm	Packing gland	25810707	①

Spare Parts

Type	Description	Ordering code	No.
GKK31008kxxx	Space bar	259040xx	②



GNQ Packing Gland

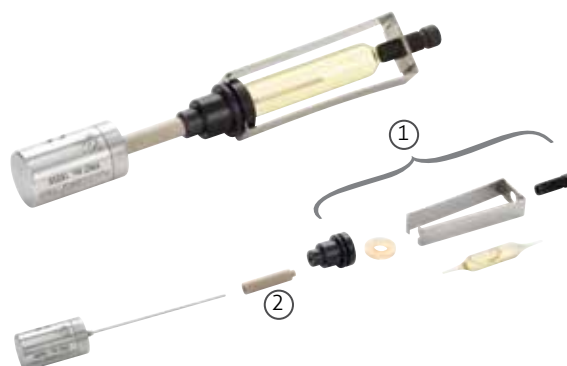
Packing gland for glass ampoules with pointed ends.

Packing Glands for Probes 1.2 mm and loggers 2 mm

Type	Description	Ordering code	No.
GNQ 1 ml	Packing gland	25810353	①
GNQ 2ml	Packing gland	25810354	-
GNQ 5 ml	Packing gland	25810343	-
GNQ 10 ml	Packing gland	25810355	-
GNQ 15 ml	Packing gland	25810085	-
GNQ 20 ml	Packing gland	25810356	-

Spare Parts

Type	Description	Ordering code	No.
GKK31008kxxx	Space bar	259040xx	②



GPK Packing Gland

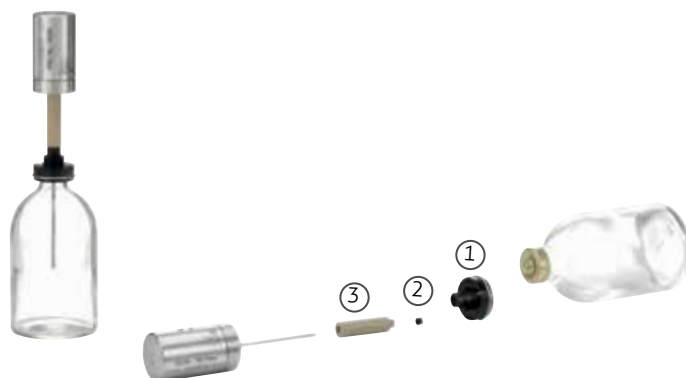
Packing gland for glass and plastic vials.

Packing Gland for Probes 1.2 mm and loggers 2.0 mm.

Type	Description	Ordering code	No.
GGK neck Ø 20 mm	Packing gland	25810494	①

Spare Parts

Type	Description	Ordering code	No.
GPK09004R000	Rubber Washer	25810089	②
GKK31008KXXX	Space Bar	259040xx	③



GVK Packing Gland

Packing gland for glass and plastic bottles.

Packing Gland for Probes 1,2 mm and Loggers 2-3 mm

Type	Description	Ordering code	No.
GVK42C	Packing gland	2590xxxx	①

**TIK Packing Gland**

Packing gland for internal fixtures.

Packing Gland for Mini Loggers

Type	Description	Ordering code	No.
TIK-C	Internal Fixture for IV-bags	35000115	①

**IV Bags - external mounting**

Packing gland for IV bags.

Packing Gland for Probes 1.2 mm and Loggers 2 mm

Type	Description	Ordering code	No.
GLJ31055C014	Packing gland	25810066	①

Spare Parts

Type	Description	Ordering code	No.
GKJ13007N	Fingerscrew 1.3	25810063	②
GKJ21007N	Fingerscrew 2.1	25810399	②



Packing glands for vials

Packing gland for vials and lyophilization processes.

Packing Glands for flex sensors ø1.8

Type	Description	Ordering code	No.
LYO 13 mm for 1,8	Rubber Stopper	35903204	①
LYO 20 mm for 1,8	Rubber Stopper	35903205	-
LYO Snapper 28 mm for 1,8	Peek Fixture	35903209	②
LYO Snapper 20 mm for 1,8	Peek fixture	35903211	②

Spare Parts

Type	Description	Ordering code	No.
Contact puck	Contact Puck	35900005	③

LYO Shuttle

Used to measure in vials and on shelf in Lyophilization processes.

Type	Description	Ordering code	No.
LYO Shuttle	Customized sizes	35903220	①



Temperature/Relative Humidity in Smokehouses with loggers

Type	Description	Ordering code	No.
RH Dry/wet sensor	RH Pro DW	35126000	①
TS Fixture for RH	TS Fixture	35126011	②
Reservoir for RH	Reservoir	35126010	③



Wall Contact Puck

Packing gland for measuring surface temperature.

Type	Description	Ordering code	
Contact puck rect.	Contact puck rectangular	35900024	①



Contact Clamp

Logger holder for measuring on the outside of pipes.

Type	Description	Ordering code	No.
Contact Clamp Ø25	Logger holder	35900012	①



Protecting sleeves for loggers

Type	Description	Ordering code	No.
TSS protective sleeve	TSP logger	25900002	①
TSS protective sleeve	Mini logger	25900077	②
TSS protective sleeve	Micro logger	25900078	③



FIXPRO Case

Fixation and protection case in soft silicone material for TSP loggers.

Type	Description	Ordering code	No.
FixPro Case	Fix Pro Case	35900000	①
FixPro Case	Fix Pro Case 25 pcs	35900001	①
FixPro Case	Fix Pro Case 100 pcs	35900035	①
FixPro Case	Fix Pro Case 250 pcs.	35900002	①

**Logger Fix**

Type	Description	Ordering code	No.
Logger Fix	Logger Fix	35900003	①

**Protective holder for TSP & Compact loggers**

Type	Description	Ordering code	No.
Protective Holder	Holder TSP	25900089	①
Protective Holder	Holder Compact	25900090	①



ID labels for thermocouples

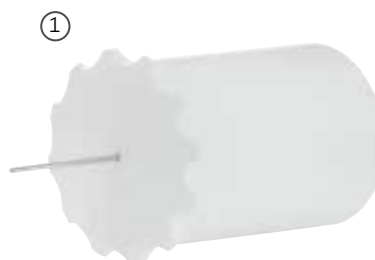
Type	Description	Ordering code	No.
ID Label 1-16	Yellow	25105999	①
ID Label 17-40	Yellow	25105996	
ID Engrave	Engrave, metal	25105997	-



Thermal Barriers

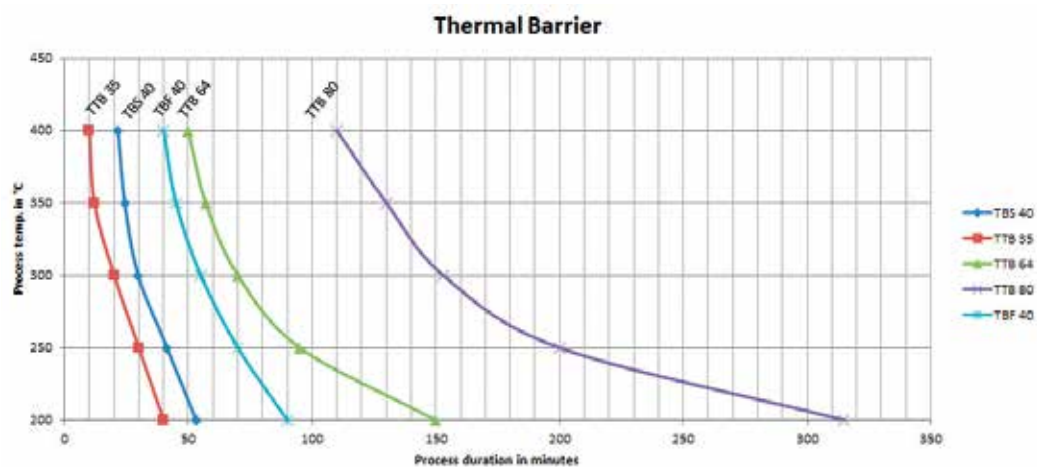
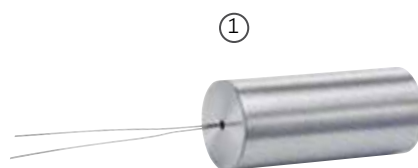
Special Thermal barrier in PTFE.

Type	Description	Ordering code	No.
TTB 65*86mm	PTFE Thermal Barrier	25901507	①



Thermal Barriers

Type	Description	Ordering code	No.
TTB 35	Thermal Barrier	25901500	-
TTB 64	Thermal Barrier	25901501	①
TTB 80	Thermal Barrier	25901504	-
TBF 40-2	Thermal Barrier	25901520	②
TBS 40-2	Thermal Barrier Square	25901524	③
TTB 80-2 SKY	Thermal Barrier SKY	25901515	-
TTB 64-2 SKY	Thermal Barrier SKY	25901514	-
TBS 40-2 SKY	Thermal Barrier SKY Square	25901525	-
TBF 40-2 SKY	Thermal Barrier SKY	25901521	-



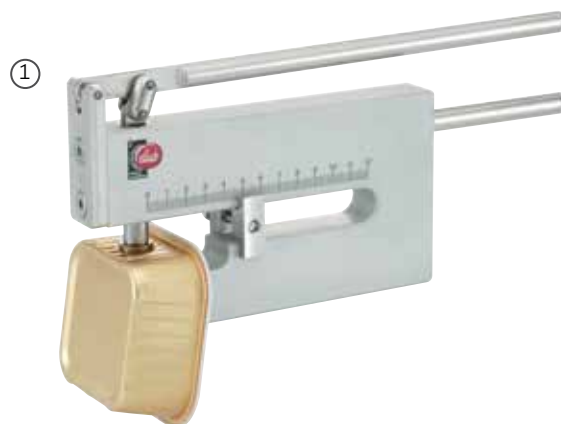
Tools



TC89 Can Punch

Can punch for all kinds of containers.

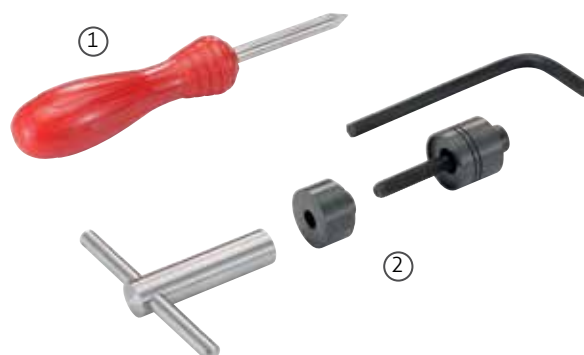
Type	Description	Ordering code	No.
TC89	Can Punch	25000018	①



TC40S Pre-perforator & TC41 Perforation tool

TC40S Cutting tool for metal containers & TC41 Pre perforator for TC40S.

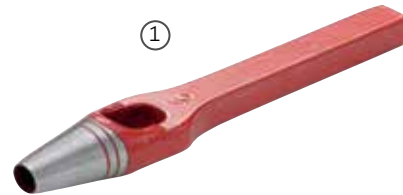
Type	Description	Ordering code	No.
TC41	Perforation	25000010	①
TC40S	Cutting & Embossing	25000044	②



TC42 Cutting tool

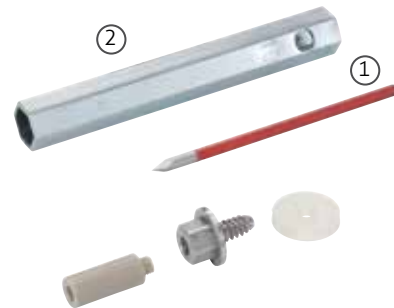
Cutting tool for plastic containers ø8 mm.

Type	Description	Ordering code	No.
TC42	Tool	25000012	①

**TC25 Cutting tool & TC26 Spanner**

Cutting tool and spanner for HUJ & GUJ.

Type	Description	Ordering code	No.
TC25 Cutting tool	for HUJ & GUJ	25000009	①
TC26 Spanner	for HUJ & GUJ	25000014	②



Spare Parts

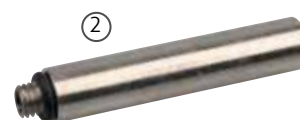
Space bar in PEEK

Type	Description	Ordering code	No.
GKK31008K010	10 mm	25904010	①
GKK31008K015	15 mm	25904015	-
GKK31008K020	20 mm	25904020	-
GKK31008K025	25 mm	25904025	-
GKK31008K030	30 mm	25904030	-
GKK31008K035	35 mm	25904035	-
GKK31008K040	40 mm	25904040	-
GKK31008K045	45 mm	25904045	-
GKK31008K050	50 mm	25904050	-
GKK31008kxxx	Custom length	259040xx	-



Space bar in Stainless Steel

Type	Description	Ordering code	No.
GKJ31008J010	10 mm	25903010	②
GKJ31008J015	15 mm	25903015	-
GKJ31008Jxxx	Custom Length	25903xxx	-



Stake for fixture

Type	Description	Ordering code	No.
TKK10PROL000	0 mm	35450000	①
TKK10PROL005	5 mm	35450005	-
TKK10PROL010	10 mm	35450010	-
TKK10PROL015	15 mm	35450015	-
TKK10PROL018	18 mm	35450018	-
TKK10PROL020	20 mm	35450020	-
TKK10PROL025	25 mm	35450025	-
TKK10PROL030	30 mm	35450030	-
TKK10PROL035	35 mm	35450035	-
TKK10PROL040	40 mm	35450040	-
TKK10PROL045	45 mm	35450045	-
TKK10PROL050	50 mm	35450050	-
TKK10PROL055	55 mm	35450055	-
TKK10PROL060	60 mm	35450060	-
TKK10PROL065	65 mm	35450065	-
TKK10PROL070	70 mm	35450070	-
TKK10PROL075	75 mm	35450075	-
TKK10PROL085	85 mm	35450085	-
TKK10PROL100	100 mm	35450100	-
TKK10PROL130	130 mm	35450130	-
TKK10PROL145	145 mm	35450145	-
TKK10PROLxxx	Custom Length	354500xx	-



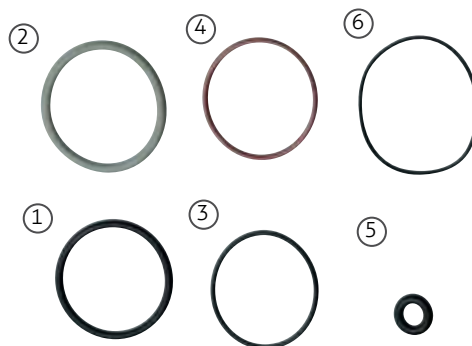
Accessory box

Type	Description	Ordering codes	No.
Accessory box	Accessory box	21203049	①



TrackSense Pro & Compact O-rings

Type	Description	Ordering code	No.
Outer O-ring TSP	set of 20 pcs.	35900008	①
Outer O-ring (Compact)	set of 10 pcs.	35900019	②
Outer O-ring (Frigo)	set of 10 pcs.	35900021	②
Inner O-ring TSP	set of 10 pcs	35900009	③
PTFE O-ring TSP	set of 2 pcs.	35900018	④
Black O-ring for TSP rigid sensors with thread	set of 10 pcs.	25810022	⑤
O-ring for TSP logger house	set of 10 pcs.	35900007	⑥



Micro & Mini logger O-rings

Type	Description	Ordering code	No.
Micro O-ring 1.Gen.	set of 10 pcs.	35900011	①
Micro O-ring 2.-Gen	set of 10 pcs.	35900022	②
Mini O-ring	set of 10 pcs.	35900010	③



Logger Tray

Type	Description	Ordering code	No.
Logger tray	for 20 TSP loggers	35900064	①
Logger tray	for 12 TSP Mini	21203047	②



②



Grease for O-rings

Type	Description	Ordering code	No.
Sealant	for logger	35900063	①



Batteries TSP/Compact/Frigo

Type	Description	Ordering code	No.
TSP Battery	with activator	35900050	①
TSP Battery	without activator	35900051	②
TSP COLD battery	with activator	35900053	③
TSP COLD battery	without activator	35900054	④
TSP Compact	with activator	35900050	①
TSP Compact	without activator	35900051	②
TSP Compact Ultra X	150L without activator	35900056	-
TSP Compact Ultra X	150L with activator	35900055	⑤
FRIGO Battery	without activator	35900061	-
FRIGO Battery	with activator	35900060	⑥



TSP Mini & Micro Battery

Type	Description	Ordering code	No.
TSP Mini Battery	(single)	35300001	①
TSP Micro Battery	1 set (2 pcs)	35500001	②



ETI Battery

Type	Description	Ordering code	No.
ETI	Backup Battery	19000051	①



Suitcases / Flightcases

Type	Description	Dimensions	Ordering code	No.
Suitcase TSP	For SKY / 22 loggers	450x360x106 mm	21203052	①
Suitcase TSP	For TSP / 22 loggers	450x360x106 mm	21203050	②
Suitcase TSP	44 loggers/sensors	450x360x106 mm	21203051	③
Suitcase TSP	22 loggers/sensors	340x275x83 mm	21203061	④



Type	Description	Dimensions	Ordering code	No.
Storage case L	For loggers etc.	450x360x106 mm	21203000	⑤
Storage case S	For loggers etc.	340x275x83 mm	21203010	⑥



Type	Description	Dimensions	Ordering code	No.
Suitcase EVP	For E-Val Pro	450x360x106 mm	21206000	⑦
Suitcase EVP	For 100 EVP Plugs	340x275x83 mm	21206002	⑧



⑦



⑧

Type	Description	Dimensions	Ordering code	No.
Suitcase ETS	For ETS	450x360x106 mm	21202001	⑨
Suitcase ETI	For ETI	450x360x106 mm	21201900	⑩



⑨



⑩

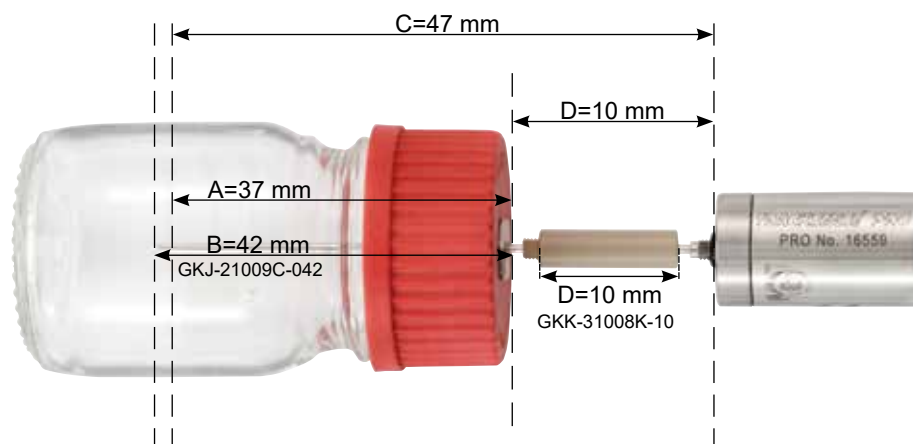
Type	Description	Dimensions	Ordering code	No.
Flightcase TSP/SKY	SKY Flightcase	450x350x170 mm	21203053	⑪
Flightcase TSP/ETS	TSP/ETS Flightcase	450x350x170 mm	21205000	⑫



Type	Description	Dimensions	Ordering code	No.
Flightcase EVP/TSP/ETS	Flightcase with wheels and pull handle	559x351x229 mm	21206001	⑬



Calculation of sensor, gland & space bar specifications



The picture shows an example of how to calculate the measuring depth for various types of containers.

A

The measuring depth in which the measuring point - "cold spot" has to be determined. In this case, the cold spot is 37 mm from the lid.

B

The packing gland has to be 5 mm longer than the measuring depth, corresponding to the size of the sealings of the gland and the sensor. The length of the gland is specified in the last three characters of the type designation - GKJ-21009C-042.

C

In this case, the sensor electrode length is 50 mm, specified in the last three characters of the type designation - TPA20050TS. Because of the size of the thermojunction and the sealing of the sensor, the measuring point is situated 3 mm from tip.

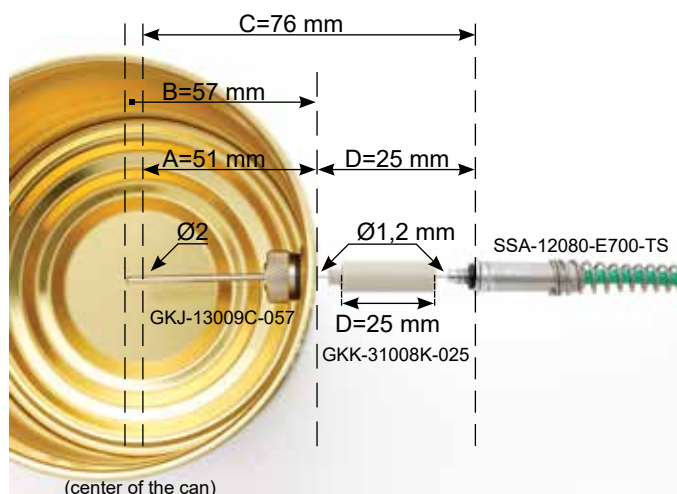
D

As the sensor electrode is longer than the GKJ-C gland, a space bar of 10 mm is screwed in between the sensor bushing and gland. The three last characters of the type designation specifies the length - GKK-31008K-010.

The GKJ Packing Gland is developed for mounting with the o-ring positioned inside the container so it is flush with the outside wall of the container. This ensures that the container can be filled and sealed in industrial machinery.

If this is not a critical parameter the o-ring can also be positioned outside the container still taking the position of the measuring point in the cold spot into consideration.

Calculation of thermocouple & gland specifications



The picture shows an example of how to calculate the measuring depth for all kinds of containers.

A
The measuring depth in which the measuring point - "cold spot" has to be situated.

B
The packing gland has to be 6 mm longer than the measuring depth, corresponding to the size of the sealings of the gland and the probe. The length of the gland is specified in the last three characters of the type designation - GKK-13009C-057.

C
In this case, the probe electrode length is 80 mm, specified in the last three characters of the type designation - SSA-12080-G700-TS. Because of the size and sealing of the thermojunction, the measuring point is situated 4 mm from tip.

D
As the probe electrode is longer than the GKK-C gland, a space bar of 25 mm is screwed in between the probe bushing and gland. The three last characters of the type designation specifies the length - GKK-31008K-025. A probe with 55 mm electrode can be used directly without using a space bar.

The GKK Packing Gland is developed for mounting with the o-ring positioned inside the container, so it is flush with the outside wall of the container. This ensures that the container can be filled and sealed in industrial machinery.

If this is not a critical parameter the o-ring can also be positioned outside the container still taking the position of the measuring point in the cold spot into consideration.

Ellab



Since the late 1940's Ellab A/S has been a leading manufacturer of process validation and monitoring systems used in the food, medical device and pharmaceutical industries.

Calibration Certifications and Service

Ellab maintains a complete calibration facility for annual certifications and service. Ellab A/S temperature, resistance, pressure and humidity calibration laboratory is accredited according to ISO 17025 by DANAK under registration no. 520. Service and maintenance contracts are available.

Rental & Demos

Demo systems are available for trial and rental. Please contact your local Ellab representative for details.

Training

Ellab Academy offers regular training courses for end-users. On-site individual training and equipment installations are also available through Ellab. Our Validation Consultants are available to assist you with IQ, OQ, and PQ procedures.



Validation Solutions

Ellab A/S

Trollesmindealle 25
DK-3400 Hilleroed
Denmark
P: +45 4452 0500
F: +45 4453 0505
info@ellab.com
www.ellab.com