

PART OF THE **DURAN**® BOTTLE SYSTEM

DURAN®

BOTTLE CAPS & CONNECTIONS & ACCESSORIES



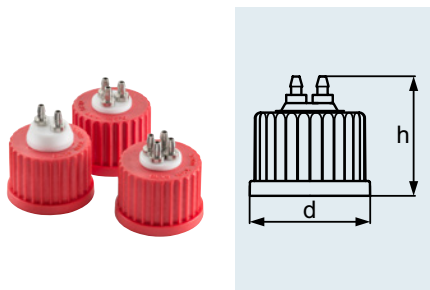
DWK LIFE SCIENCES
DURAN WHEATON KIMBLE

DURAN® MULTIPORT CONNECTOR CAP GL 25

A
121 °C

Tmax.
180 °C

for peristaltic tubing 2, 3, or 4 tubing connectors, Red PBT screw cap



DURAN® GL 25 connector caps with multiple ports are suitable for a range of applications where small volumes of liquid need to be sampled or dispensed, such as a media supply for small bioreactors, in a perfusion circuit for cell culture, or oxygenation of very small samples. The caps feature a GL 25 thread that fits 10 or 25 mL DURAN® bottles, and are available with two tubing connectors. The barbed male tubing connector are made from a surgical grade stainless steel (316L) and will fit tubing with a 3.2 mm (1/8") inner diameter. Construction materials are certified as approved for food contact, and offer a high temperature resistance (up to 180 °C). The caps are fully autoclavable (121 °C / 15 minutes) and reusable.

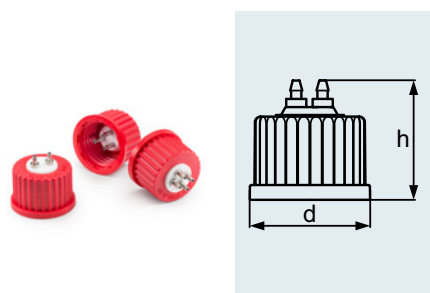
Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
2-ports				
29 260 13 01	GL 25	33	32	1
3-ports				
29 261 13 02	GL 25	33	32	1
4-ports				
29 262 13 03	GL 25	33	32	1

DURAN® MULTIPORT CONNECTOR CAP GL 32

A
121 °C

Tmax.
180 °C

for peristaltic tubing 2, 3, or 4 tubing connectors, Red PBT screw cap



A convenient small tubing connection system for use with DURAN® GL 32 laboratory and media bottles. The bottle top adaptor facilitates the transfer of liquids within a closed and sterile system. Caps have a GL 32 thread that fit the smaller 50 mL round or 100 mL DURAN® square bottles. The barbed tubing connector are made from a 316L stainless steel and will fit tubing with a 3.2 mm (1/8") inner diameter. Construction materials are certified as approved for food contact, and offer a high temperature resistance (up to 180 °C). The caps are fully autoclavable (121 °C / 15 minutes) and reusable.

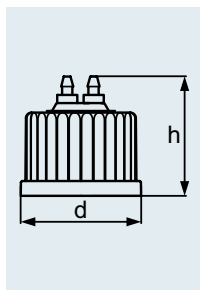
Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
2-ports				
29 260 19 01	GL 32	42	35	1
3-ports				
29 261 19 02	GL 32	42	35	1
4-ports				
29 262 19 03	GL 32	42	35	1



DURAN® MULTIPOINT CONNECTOR CAP GL 45



for peristaltic tubing with 2, 3, 4, or 5 tubing connectors, Red PBT screw cap



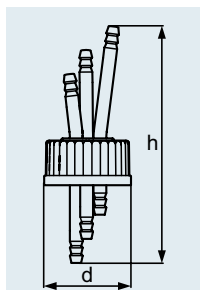
The reusable DURAN® GL 45 Connection Cap System is ideal for aseptic fluid transfer into or out of DURAN® bottles using peristaltic pump tubing. The screw caps will fit all DURAN® Original GL 45 laboratory bottles 100 mL and larger. The barbed tubing connectors (4.2 mm outer diameter) accept narrow BPT peristaltic pump tubing with a 3.2 mm (1/8") inner diameter.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
2 tubing connectors				
29 263 28 06	GL 45	54	43	1
3 tubing connectors				
29 264 28 07	GL 45	54	43	1
4 tubing connectors				
29 265 28 08	GL 45	54	43	1
5 tubing connectors				
29 266 28 09	GL 45	54	43	1

DURAN® STAINLESS STEEL MULTIPOINT CONNECTOR GL 45



from PBT, GL 45, with 1, 2 or 3 ports



A robust and durable tubing connection system for use with all sizes of DURAN® GL 45 laboratory and media bottles. The bottle top adaptor facilitates the transfer of liquids within a closed and sterile system. The barbed hose connectors are suitable for flexible tubing with an 8.0 mm inner diameter. Freely rotating stainless steel centre allows the bottle to be unscrewed without the need to disconnect the tubing. Connectors and body are manufactured from Type 316L (1.4404 / S31603) stainless steel. A silicone gasket and the red PBT GL 45 screw cap provide a liquid tight seal. Wide temperature usage range (up to 180 °C). Autoclavable (121 °C for 15 minutes). Retrace coded for full traceability. Ideal for chemistry, life science and biopharma laboratories.

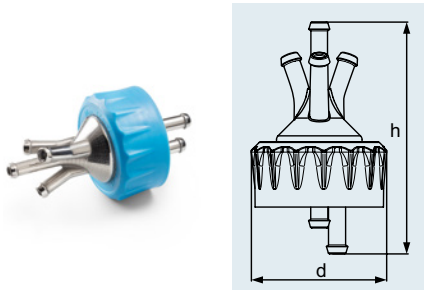
Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 261 26 07	1-port connector	GL 45	54	55	1
29 261 27 01	2-port connector	GL 45	54	137	1
29 261 28 04	3-port connector	GL 45	54	145	1
Replacement silicone gasket					
29 223 28 05	silicone gasket with aperture (diameter 27.5 mm)		40.5	3	10
Replacement cap					
29 227 10 07	DURAN® screw cap with aperture (34 mm bore)	GL 45	54	28	10



DURAN® CONNECTION CAP SYSTEM GL 45



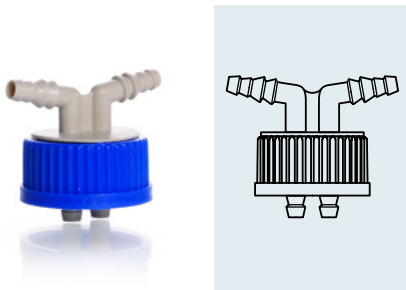
with cyan PP screw cap, with 4 ports stainless steel



The DURAN® 4-port connector cap is manufactured using an innovative additive manufacturing method called three-dimensional metal printing. This method allows the complex form to be optimised using computer-aided design software, as well as significantly reducing the amount of metal required for construction. The transfer connection cap can be used with all sizes of DURAN® GL 45 bottles, and facilitates the movement of liquids within a closed and aseptic system. The four male hose connectors are suitable for flexible tubing with a 6.4 mm (1/4") inner diameter. This corresponds to the SDD initiative Size A tubing type, allowing easy connection to buffer bags, mixing systems, etc. Freely rotating stainless steel centre allows the bottle to be unscrewed without the need to disconnect the tubing. Connectors and body are manufactured from Type 316L (1.4404 / S31603) stainless steel. A silicone gasket and the GL 45 screw cap provide a liquid tight seal. Wide temperature usage range (up to 180°C). Autoclavable (121 °C for 15 minutes). Retrace coded for full traceability. Ideal for chemistry, life science and biopharma laboratories.

Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 261 29 07	4-port connector	GL 45	54	90	1
Replacement silicone gasket					
29 223 28 05	silicone gasket with aperture (diameter 27.5 mm)		40.5	3	10
Replacement cap					
29 227 10 07	DURAN® screw cap with aperture (34 mm bore)	GL 45	54	28	10

DURAN® GL 45 SCREW CAP WITH TWO HOSE CONNECTIONS



GL 45 cap connection system for the easy connection of flexible tubing to the DURAN® GL 45 bottles. The two polypropylene connectors have angled top and straight underside connectors. Grey polypropylene cap center rotates freely, allowing the bottle to be unscrewed without the need to disconnect the tubing. The cap is ideal for use with soft elastic tubing that has an inner diameter of 6–9 mm silicone tubing. An optional venting connector is available with, or without a syringe filter. Highly versatile as the screw cap is based on the standard GL 45 thread. Temperature resistant up to +140 °C. Fully autoclavable and washer-proof.

Typical applications: Possible biotech applications include the transfer of sterile media from one container to another using a peristaltic pump.

Cat. No.	Description	Thread	Pack Unit
29 310 28 07	DURAN® Screw Cap GL 45 with 2 hose connections EPDM Gasket	GL 45	2
11 298 25	Syringe Filter (0.2 µm) with connector, non-sterile 0.2 µm filter and female Luer Slip to 5.8 mm male connector, with o-ring seal		2
11 298 29	Syringe Filter Connector only (without syringe filter), female Luer Slip to 5.8 mm male connector, with o-ring seal		2
11 527 52	40 mm ring gasket seal for GL 45 multifunction caps. Circular EPDM Seals 1.5 mm thick with a 40 mm outer and 29 mm inner diameter.		5

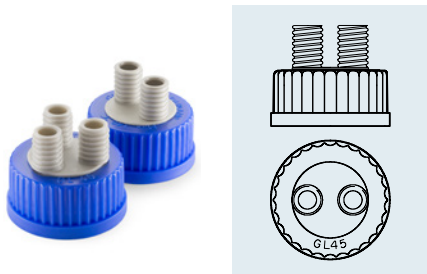


DURAN® GL 45 CONNECTION SYSTEM

A
121 °C

Tmax.
140 °C

screw cap GL 45, with two or three ports, GL 14 thread



Materials used: PP and PTFE. Flexible modular system. Four different tubing diameters (1.6 mm; 3.0 mm; 3.2 mm and 6.0 mm) can be connected. Sterile pressure equalisation is possible through use of syringe filter. Unused ports can be sealed off with a red GL 14 screw cap.

Typical applications: Safe transfer of liquid media within a closed and sterile system (evaporation is reduced).

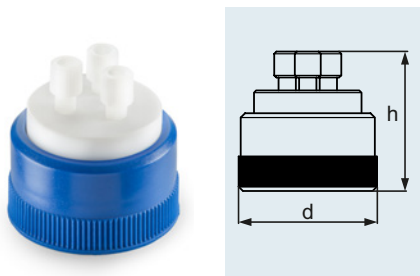
Cat. No.	Description	Thread	Pack Unit
11 297 50	Screw cap GL 45, PP, 2 ports GL 14	GL 45	2
11 297 51	Screw cap GL 45, PP, 3 ports GL 14	GL 45	2
11 298 14	Screw cap GL 14 PP, for tubing connection	GL 14	2
11 298 15	Insert for screw cap GL 14, ID 1.6 mm (1/16 inch)		1
11 298 16	Insert for screw cap GL 14, ID 3.0 mm (~1/8 inch)		1
11 298 17	Insert for screw cap GL 14, ID 3.2 mm (1/8 inch)		1
11 298 18	Insert for screw cap GL 14, ID 6.0 mm (~1/4 inch)		1
11 298 19	Spare syringe filter for pressure compensation, 0.2 µm		2
11 562 92	Screw cap, PBT, with PTFE coated silicone cap liner, red, GL 14	GL 14	2
11 377 99	Set for pressure compensation 2- and 3-port screw cap (incl. 0.2 µm syringe filter), GL 14	GL 14	1

DURAN® MULTIPOINT CONNECTOR CAP HPLC 3-PORT

A
121 °C

Tmax.
140 °C

White, PTFE



The cap fits all GL 45 borosilicate 3.3 glass bottles. The main body is made of inert PTFE, and contains three holes for tubing that will accept 3.2 mm (1/8-inch) outer diameter rigid or semi-rigid tubing. The holes can be blanked off using one of the supplied three 1/4"-28 ETFE plugs. A TFE / propylene O-ring provides a secure seal with the GL 45 bottle. Replacement 1/4"-28 ETFE blanking plugs are available.

Cat. No.	Description	Pack Unit
29 231 28 01	DURAN® 3-port HPLC GL 45 delivery cap 1/4" – 28 thread for 3.2 mm OD tubing PTFE Complete with three 1/4" – 28 ETFE plugs and a TFE / propylene O-ring	1
29 231 00 03	DURAN® ETFE sealing plug 1/4" – 28 thread for 3-port HPLC GL 45 delivery cap	1

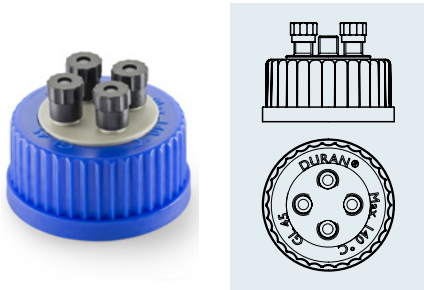


DURAN® MULTIPOINT CONNECTOR CAP GL 45 HPLC 4-PORTS

Tmax.
140 °C

A
121 °C

Blue, PP



The cap fits all GL 45 borosilicate 3.3 glass bottles. The cap has four holes suitable for 3.2 mm tubing. The holes can be sealed using a silicone seal if not required.

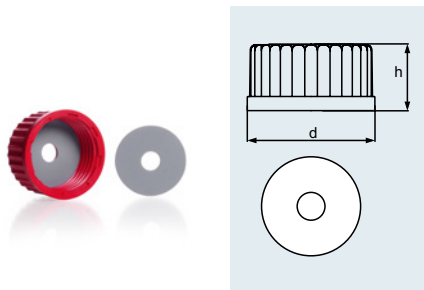
Cat. No.	Description	Pack Unit
11 298 12	Screw cap HPLC, GL 45, 4 ports, complete (GL 45 screw cap, 4 x M8 black screw caps, 12 x silicone seals for 1.6, 3.2 mm tubing or blanks)	2

DURAN® SCREW CAP GL 45 FOR PH ELECTRODE

A
121 °C

Tmax.
140 °C

from PBT



A holder for the safe storage of spare 12 mm diameter pH electrodes. Consisting of a GL 45 open topped PBT screw cap, and a silicone seal coated on both sides with PTFE. The seal has a central 11.5 mm hole.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
11 713 95	GL 45	54	28	1

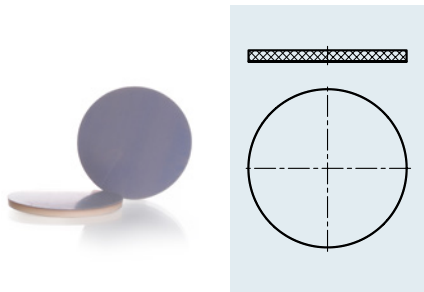


DURAN® REPLACEMENT CAP LINER

A
121 °C

Tmax.
200 °C

PTFE coated silicone, VMQ



Suitable for PBT screw caps and tamper-evident screw caps. Heat resistance: 130 °C (vapour) and 200 °C (dry heat). Good chemical resistance due to PTFE coating. Silicon is peroxide-cured.

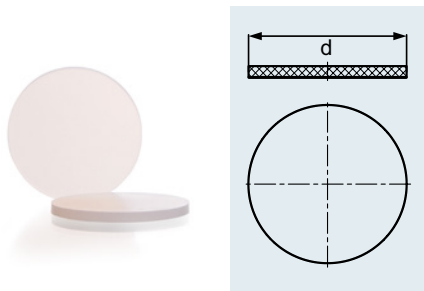
Cat. No.	For screw-caps, red (GL)	Pack Unit
29 248 08 05	14	10
29 248 11 07	18	10
29 248 13 04	25	10
29 248 19 04	32	10
29 248 28 06	45	10

DURAN® SILICONE SEPTUM SEAL

A
121 °C

Tmax.
200 °C

for piercing, VMQ



Suitable for PBT screw cap with aperture Heat resistance: 130 °C (vapour) and 200 °C (dry heat). Silicon is peroxide catalysed.

Typical applications: injection or removal of media.

Cat. No.	Thread	d (OD) (mm)	Thickness (mm)	Pack Unit
29 246 05 03	GL 14	12	2	100
29 246 06 06	GL 18	16	2	100
29 246 09 06	GL 25	22	2	100
29 246 08 03	GL 32	29	2	100
29 246 10 02	GL 45	42	3	100

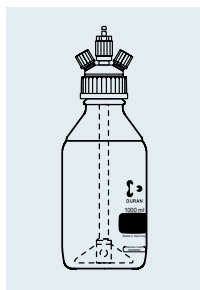


DURAN® GL 45 STIRRED REACTOR

A
121 °C

Tmax.
140 °C

materials used PP / PTFE / PEEK / stainless steel



Self contained stirring system ideal for mixing processes. Stirrer shaft can be adjusted to the optimal position in either a 500 or 1000 mL DURAN® GL 45 bottles. Drive with standard magnetic stirrers up to 500 rpm. Significantly improved mixing performance compared to standard magnetic stirring bars. Multi-connector cap is compatible with the proven DURAN® connection systems; tubing with 1.6 mm to 6.0 mm bores can be used to add or remove liquid or gas. Fully autoclavable. Parts in contact with media conform to FDA requirements. Available separately or with bottle.

Typical applications: mixing chemicals, media or cultures in the DURAN® GL 45 laboratory bottle.

Cat. No.	Description	Thread	Pack Unit
12 003 95	GL 45 stirred reactor, incl. 500 mL DURAN® GL 45 bottle, folding magnetic stirrer and GL 45 PP cap with 2x GL 14 ports, 2x GL 14 PBT caps red	GL 45	1
12 003 96	GL 45 stirred reactor, incl. 1 000 mL DURAN® GL 45 bottle, folding magnetic stirrer and GL 45 PP cap with 2x GL 14 ports, 2x GL 14 PBT caps red	GL 45	1
12 003 91	Folding magnetic stirrer for GL 45 stirred reactor, incl. shaft	GL 45	1
12 003 90	Spare screw cap 2-ports for GL 45 stirred reactor (excl. stirrer) with GL 14 screw cap (PP, blue)	GL 45	1

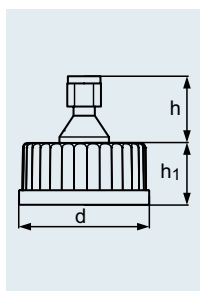
DURAN® SCREW CAP WITH TEMPERATURE PROBE HOLDER

A
121 °C

Tmax.
140 °C

Retrace Code

GL 45



The DURAN® temperature probe holder GL 45 consists of a stainless steel holder that is permanently fitted into a blue DURAN® polypropylene GL 45 cap. The holder will accept the 6.0 mm metal temperature measuring probes that are commonly used in laboratory autoclaves and sterilizers. Many DURAN® customers use an autoclave to sterilise the liquid contents of DURAN® original GL 45 laboratory bottles. Autoclaves use a metal temperature measuring probe to ensure that the correct sterilisation temperature as been reached.

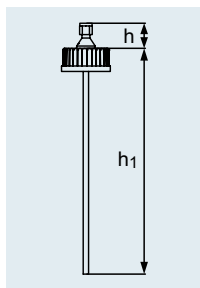
Cat. No.	Thread	d (OD) (mm)	h (mm)	h1 (mm)	Pack Unit
29 991 28 01	GL 45	54	21.3	25.7	1



DURAN® SCREW CAP WITH THERMOCOUPLE HOLDER



GL 45



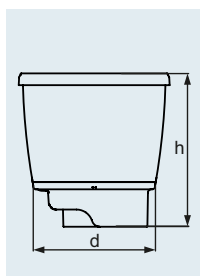
The DURAN® Screw Cap GL 45 Thermocouple Holder consists of a holder fitted into a blue DURAN® polypropylene GL 45 cap that accepts up to three separate thermocouple wires used in autoclaves or sterilizers. A particular issue when using thermocouples is that their very thin connection wires have a tendency to curl, making it difficult to maintain the tip (where the temperature is measured) in the correct position within the bottle during the entire sterilizing cycle. To overcome this problem, the DURAN® Screw Cap GL 45 Thermocouple Holder has a hollow PTFE tube to keep the wires straight.

Cat. No.	Thread	d (OD) (mm)	h (mm)	h1 (mm)	Pack Unit
29 992 28 02	GL 45	54	21.3	248.7	1

DURAN® TILT BOTTLE TOP FILTER UNIT



GL 45



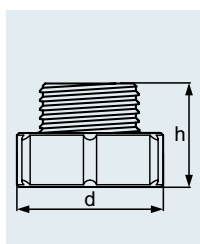
Designed for sterilization or clarification of aqueous cell culture media. Supplied as a filter funnel unit for use with the DURAN® TILT bottle (with GL 45 thread adaptor) or 45 mm media bottles. Comes in three different asymmetric pore sizes (0.1 µm, 0.2 µm, or 0.45 µm). Raised moulded graduation marks for easy volume reading. Manufactured in a Class 100,000 clean room from Class VI, non-cytotoxic materials. Supplied sterile.

Cat. No.	Description	Capacity (mL)	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 270 28 18	PES 0.1 µm	500	GL 45	92	103	12
29 270 28 26	PES 0.2 µm	500	GL 45	92	103	12
29 270 28 42	PES 0.45 µm	500	GL 45	92	103	12

DURAN® TILT ADAPTOR



GL 45 / GL 56, from PTFE



The re-usable adaptor (GL 45 external / GL 56 internal) allows the use of the DURAN® TILT bottle with 45 mm filtration units for the filter sterilisation of cell culture media. Manufactured from inert PTFE; can be autoclaved and depyrogenised at 300 °C.

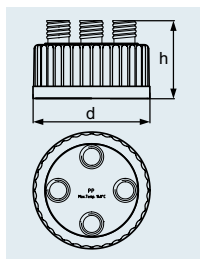
Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
29 119 56 01	GL 45 / GL 56	65	46	white	1



DURAN® GLS 80® CONNECTION CAP SYSTEM



screw cap GLS 80®, with four ports, GL 18 thread, EPDM seal



Materials used: PP and PTFE. Flexible modular system. Five different tubing diameters (3.2 mm; 6.0 mm; 8.0 mm; 10.0 mm and 12.0 mm) can be connected. Sterile pressure equalisation is possible by using the syringe membrane filter. Unused ports can be closed with a closed top GL 18 PBT cap.

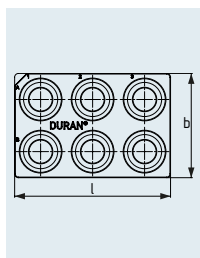
Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced).

Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 310 91 03	GLS 80® 4-port EPDM seal	GLS 80®	87	59	2
Accessories					
11 601 69	Insert for screw cap GL 18, ID 3.2 mm				1
11 601 70	Insert for screw cap GL 18, ID 6.0 mm				1
11 601 71	Insert for screw cap GL 18, ID 8.0 mm				1
11 601 72	Insert for screw cap GL 18, ID 10.0 mm				1
11 601 73	Insert for screw cap GL 18, ID 12.0 mm				1
11 601 74	Screw cap for tube connection, blue, GL 18	GL 18			2
11 601 67	Pressure equalisation cap set for 4-port, GL 18	GL 18			1
11 706 82	Blanking screw cap, red, PBT, GL 18	GL 18			2

DURAN® ANSI/SLAS MICROPLATE HOLDER



for six 10 or 25 mL DURAN® GL 25 bottles



Liquid handling robots and pipetting systems are commonly used in the automation of chemical or biochemical laboratories. The systems automate a diverse range of the workflows used in drug discovery, genomics, proteomics and cell biology research. The containers used in the systems include microplates, tube racks, and reservoirs. The DURAN® microplate holders allow the small 10 or 25 ml GL 25 DURAN® bottles to be used on the decks of many liquid handling robots. DURAN® bottles may be used in stability testing of new drug substances as analogues for the larger DURAN® bottles. The small screw topped DURAN® bottles are a robust, thickerwalled alternative to vials made from glass tubing. The microplate holders are compatible with liquid handling robotic workstations, and automated pipetting system from the major manufacturers such as Tecan, Flow Robotics, Fluent, Eppendorf, Hamilton, Beckman, PerkinElmer, Agilent Technologies, and Thermo Fisher Scientific.

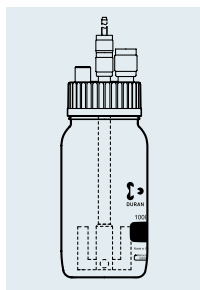
Cat. No.	Description	Material	Max Vial Size Dia x H (mm)	h (mm)	l (mm)	b (mm)	Pack Unit
29 233 08 02	DURAN® ANSI/SLAS Microplate holder for 2x3 10 ml GL 25	Aluminium	33x55	23	127.76	85.48	1
29 233 14 04	DURAN® ANSI/SLAS Microplate holder for 2x3 25 ml GL 25	Aluminium	36.5x74	23	127.76	85.48	1



DURAN® GLS 80® STIRRED REACTOR

A Tmax. 121 °C 140 °C

materials used: PP / PTFE / PEEK / stainless steel



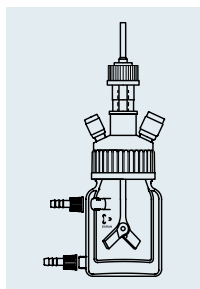
The GLS 80® stirred reactor is suitable for a wide range of laboratory mixing processes. The connections (2 x GL 14 and 2 x GL 18) provided permit addition or removal of media from the bottle during the mixing process. The whole unit can be autoclaved and is therefore suitable for biological applications. By using components from the GLS 80® connection system, an additional media bottle (Tubing outer diameter: 1.6–12.0 mm) can be connected or a sterile pressure equalizer attached. Drive for the stirrer may provided by a standard commercial magnetic stirrer. The variable stirrer shaft can be used in DURAN® GLS 80® laboratory glass bottles (1000 mL and 2000 mL) and provides notably improved mixing in comparison with standard magnetic stir bars. The stirrer unit is interchangeable and can be used up to 500 rpm is possible.

Typical applications: mixing of liquids, dissolving of solids, simple fermentation processes.

Cat. No.	Description	Thread	Anchor stirrer d (mm)	Impeller stirrer d (mm)	Pack Unit
12 003 79	Stirred reactor cap, stirrer anchor type, magnetic, complete with shaft, connection and screw cap	GLS 80®	62		1
21 263 91 07	Stirred reactor anchor type, magnetic, complete with DURAN® GLS 80® bottle (250 ml), 1x GLS 80® cap (PP, grey / blue), 1x GL 14 screw cap (PP, blue), 2x GL 14 screw cap (PBT red), 2x GL 18 screw cap (PBT red)	GLS 80®	62		1
12 003 80	Stirred reactor anchor type, magnetic, complete with DURAN® GLS 80® bottle (1 000 ml), 1x GLS 80® cap (PP, grey / blue), 1x GL 14 screw cap (PP, blue), 2x GL 14 screw cap (PBT red), 2x GL 18 screw cap (PBT red)	GLS 80®	62		1
12 003 81	Stirred reactor anchor type, magnetic, complete with DURAN® GLS 80® bottle (2 000 ml), 1x GLS 80® screw cap (PP, grey / blue), 1x GL 14 screw cap (PP, blue), 2x GL 14 screw cap (PBT red), 2x GL 18 screw cap (PBT red)	GLS 80®	62		1
Accessories for GLS 80® stirred reactor					
12 003 82	Stirrer impeller type, magnetic, for GLS 80® stirred reactor			62	1
12 003 83	Stirrer anchor type, magnetic, for GLS 80® stirred reactor		62		1
12 003 85	Spare screw cap for GLS 80® stirred reactor, PP, blue/grey	GLS 80®			1
12 003 86	Spare shaft for GLS 80® stirred reactor, stainless steel, including PEEK connection				1

DURAN® GLS 80® CONNECTION CAP SYSTEM FOR OVERHEAD MIXER

Tmax. 140 °C A 121 °C



For use with overhead laboratory mixers, Materials used: PP and PTFE. Flexible modular system with a central ground joint 29/32 fitting. Five different tubing diameters (3.2 mm; 6.0 mm; 8.0 mm; 10.0 mm and 12.0 mm) can be used by changing the inserts. Sterile pressure equalisation is possible by using the syringe filter. Unused ports can be closed with a blind cap. Components: Screw Cap GLS 80® with NS 29/32 (Cat. no. 11 601 75), KPG Stirrer Shaft WS 10 (Cat. no. 24 583 84 04), KGP Stirrer Bearing HB 10 (Cat. no. 24 750 09 06), Screw Cap GL 14 (Cat. no. 29 240 08 14, 2 pieces) and Screw Cap GL 18 (Cat. no. 29 240 11 16, 2 pieces). Not supplied with GLS 80® bottle.

Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced).

Cat. No.	Pack Unit
29 120 91 04	1

1025



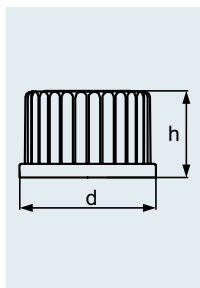
> Find your nearest distributor on our global network:
www.dwk.com/distributors



DURAN® RED GL HIGH TEMPERATURE SCREW CAP FROM PBT

A	Tmax.
121 °C	180 °C

with PTFE coated silicone seal



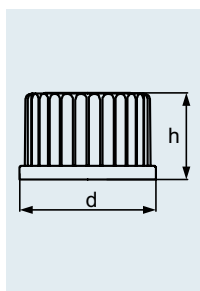
High leak tightness through use of PTFE coated silicone seal (peroxide-cured silicone). More chemically and heat resistant than PP screw cap. A matching ETFE pouring ring is also available, permitting clean, drip-free use.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
Screw cap				
29 240 08 06	GL 14	20	17	10
29 240 11 08	GL 18	23	20	10
29 240 13 05	GL 25	33	23	10
29 240 19 05	GL 32	41	26	10
29 240 28 07	GL 45	54	28	10
Pouring ring				
29 244 19 09	GL 32		4	10
29 244 28 02	GL 45		4	10

DURAN® SCREW CAP WITH APERTURE

A	Tmax.
121 °C	180 °C

from PBT, red



Suitable for silicone seal for piercing (Septa). More chemically resistant than PP cap.

Typical applications: Injection or removal of media.

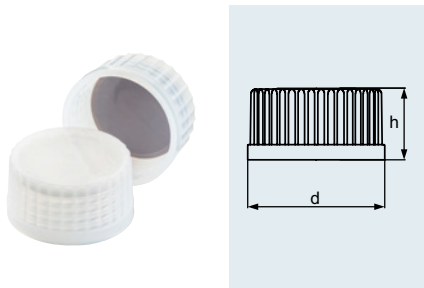
Cat. No.	Thread	Aperture bore d (mm)	d (OD) (mm)	h (mm)	Pack Unit
29 227 05 08	GL 14	9.5	20	17	10
29 227 06 02	GL 18	11	23	20	10
29 227 09 02	GL 25	15	33	23	10
29 227 08 08	GL 32	20	42	26	10
29 227 10 07	GL 45	34	54	28	10



DURAN® PREMIUM CAP



PFA, with PTFE faced silicone cap liner



Cap is moulded from a pigment free polymer to reduce the risk of leaching. Wide usable temperature range from -196°C to $+200^{\circ}\text{C}$. Very high chemical resistance. Complete with colourless PTFE faced silicone cap liners for high leak tightness. The matching PFA pouring ring permits drip-free pouring is available separately. Replacement PTFE faced silicone cap liners are available (platinum-cured silicone).

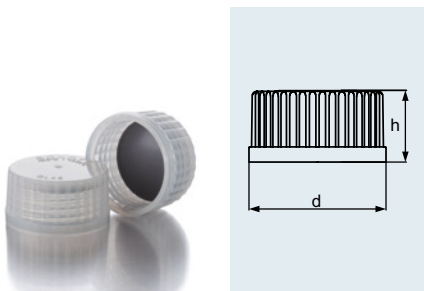
Typical applications: Due to its exceptional properties, it is ideal for applications in the pharmaceutical industry, storage of aggressive materials, and demanding sterilisation processes such as hot air sterilisation or depyrogenation.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
Screw cap complete with cap liner					
10 886 79	GL 45	51	26	colourless	5
11 296 00	GL 25	32	22	colourless	5
Screw cap without cap liner					
11 53 1 31	GL 45	51	26	colourless	5
11 29 6 00	GL 25	32	22	colourless	5
Replacement cap liners					
29 248 14 07	GL 25	23.5	3.1		10
29 248 29 09	GL 45	43.1	3.1		10
Pouring ring					
10 886 78	GL 45		4	colourless	5

DURAN® PURE PREMIUM SCREW CAP



PFA, with PTFE coated silicone seal



High-quality plastic screw caps with GL 25 / GL 45 thread sizes, developed for the needs of the pharmaceutical industry. DURAN® PURE Premium Screw Caps are manufactured in ISO Class 7 clean rooms and made from PFA with highly inert PTFE coated silicone seal. Designed for use with DURAN® PURE GL 25 / 45 Bottles. The screw caps are compatible with autoclaving and other common sterilization methods. DWK Life Sciences provides CoAs with each delivery, assures 100% traceability and change control management. DURAN® PURE Premium Screw Caps are available with the documentation required by regulatory authorities and meet the requirements of the international pharmacopeias.

Typical applications: Manufacturing of pharmaceutical products, storage of bulk drug intermediates and ingredients, transportation of APIs

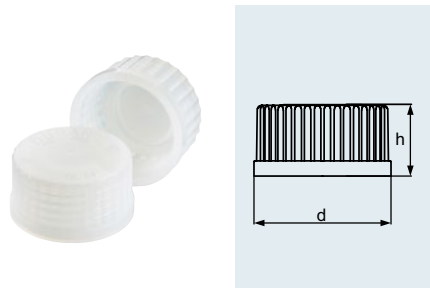
Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
89 108 13 06	GL 25	32	22	colourless	5
89 108 86 79	GL 45	51	26	colourless	5



DURAN® PURE PREMIUM LIP SEAL CAP



PFA



High-quality plastic screw cap with GL 45 thread size, developed for the needs of the pharmaceutical industry. The DURAN® PURE Premium Lip Seal Cap is manufactured in ISO Class 7 clean rooms and made from PFA with lip seal design. Designed for use with DURAN® PURE GL 45 Bottles. The screw cap is compatible with autoclaving and other common sterilization methods. DWK Life Sciences provides CoAs with each delivery, assures 100% traceability and change control management. The DURAN® PURE Premium Lip Seal Cap is available with the documentation required by regulatory authorities and meets the requirements of the international pharmacopeias.

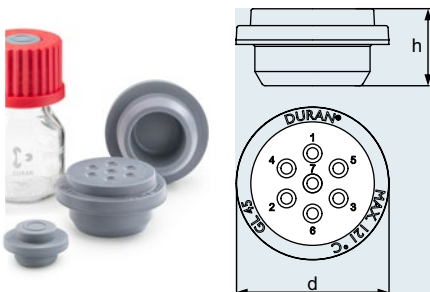
Typical applications: Manufacturing of pharmaceutical products, storage of bulk drug intermediates and ingredients, transportation of APIs.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
89 886 28 02	GL 45	53	27	colourless	5

DURAN® GL 45 AND GL 25 BROMOBUTYL RUBBER STOPPERS



straight plug, grey, for GL 25 and GL 45 laboratory bottles



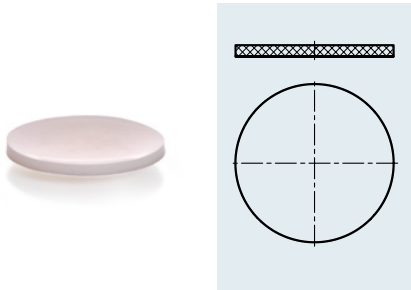
DURAN® bromobutyl rubber closure provide a gas tight seal for all GL 45 and GL 25 laboratory bottles. Bromobutyl rubber is essentially impermeable to most gases, and provides a controlled environment inside the glass bottle for oxygen sensitive materials. Useful for maintaining anaerobic culture conditions. Butyl rubber allows for multiple punctures providing easy access to the contents with a syringe.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 206 13 01	GL 25	22.5	12	10
29 206 28 03	GL 45	41	21	10



DURAN® PTFE COATED GL 45 SILICONE SEPTUM FOR PIERCING

Platinum catalysed VMQ



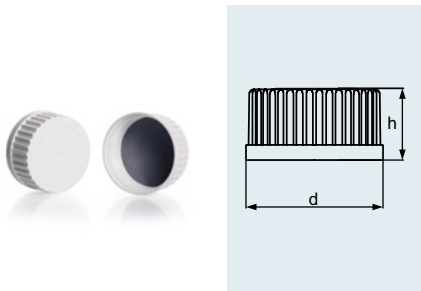
High purity PTFE coated silicone septum for use with DURAN® GL 45 open topped screw cap and all sizes of DURAN® GL 45 laboratory bottles. Can be used for the addition, inoculation or sampling using a syringe and needle. Ideal for chemistry, life science and biopharma laboratories.

Cat. No.	Thread	d (OD) (mm)	Thickness (mm)	Pack Unit
29 248 30 05	GL 45	43	3	10

DURAN® GLS 80® HIGH TEMPERATURE SCREW CAP



with cap liner, PSU material



The material used is a special compound based on polyarylsulphone. Consequently the chemical, thermal and mechanical properties of the material are noticeably improved and matched to laboratory requirements. Thanks to the thread, the DURAN® GLS 80® bottle can be opened or closed with only a three-quarter turn. The seal, which is coated on both sides with PTFE, ensures the bottle can be tightly sealed (cap liner: Platinum-cured silicone). A matching PTFE pouring ring is also available, permitting clean, drip-free use.

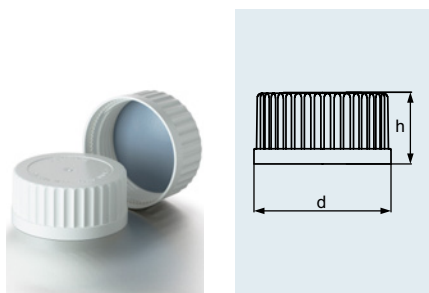
Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
Screw cap				
11 658 88	GLS 80	88,5	40	5
Pouring ring				
11 673 07	GLS 80		6,85	5
Replacement cap liner				
11 529 21	GLS 80	79	3,1	5



DURAN® PURE GLS 80® SCREW CAP



PSU, with PTFE coated silicone seal



High-quality plastic screw cap with GLS 80° thread size, developed for the needs of the pharmaceutical industry. The DURAN® PURE GLS 80° Screw Cap is made from PSU with highly inert PTFE coated silicone seal. Designed for use with DURAN® PURE GLS 80° Bottles. The screw cap is compatible with autoclaving and other common sterilization methods. DWK Life Sciences provides CoAs with each delivery, assures 100% traceability and change control management. The DURAN® PURE GLS 80° Screw Cap is available with the documentation required by regulatory authorities and meets the requirements of the international pharmacopeias.

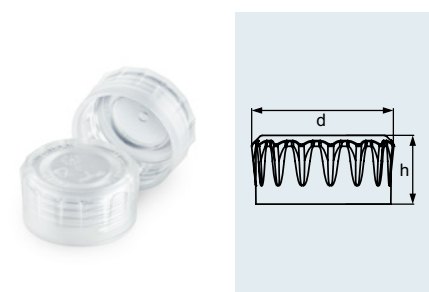
Typical applications: Manufacturing of pharmaceutical products, storage of bulk drug intermediates and ingredients, transportation of APIs.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
89 116 91 09	GLS 80	88	40	white	5

DURAN® YOUTILITY® SCREW CAP GL 45



Ergonomic, Polymethylpentene (PMP)



The benefits are clear in the latest addition to the DURAN® YOUTILITY® GL 45 screw cap product range. The cap is moulded from a transparent, non-toxic PMP polymer, making it ideal for laboratory applications that require high light transmission. The ergonomically-shaped YOUTILITY® GL 45 screw cap features a liner-less design compatible with DURAN® Original GL 45 bottles, flasks and YOUTILITY® bottles. The clear YOUTILITY® caps are Retrace coded for traceability. The Retrace Code can be used to download a lot specific certificate of conformance.

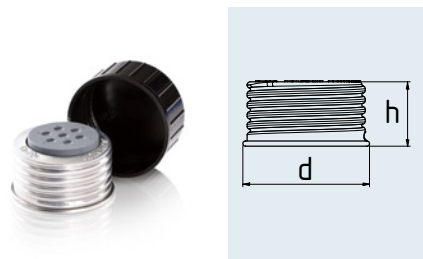
Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
29 229 28 43	GL 45	53	25	transparent	10



DURAN® ALUMINIUM SCREW CLOSURE GL 45



Silver, open topped with 34 mm central aperture



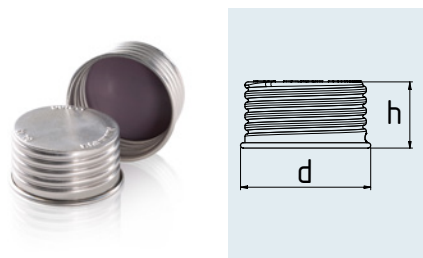
Aluminium is an alternative material to the plastic used in most screw closures for laboratory bottles. The caps are available as a closed-top cap with a high temperature PTFE coated cap liner, or as an open-top cap for use with septum or stopper. Metal closures offer a wide range of temperature tolerances and have a high mechanical strength. Aluminium offers superior barrier qualities that protect against light, moisture, oxygen, and other gases.

Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 249 28 07	DURAN® Aluminium Screw Closure GL 45, Silver, open topped with 34 mm central aperture	GL 45	50	25	10
Accessories					
29 249 29 01	DURAN® Over-cap 45 mm, Black Phenolic (Compatible with open topped DURAN® Aluminium screw closure GL 45, Cat. No. 29 249 28 07)	GL 45	50.6	25.4	10
29 206 28 03	DURAN® Bromobutyl Rubber Stopper for GL 45 laboratory bottles, straight plug, Grey	GL 45	41	21	10
29 246 10 02	DURAN® GL 45 Silicone rubber (peroxide catalyzed) Septa/seal	GL 45	42.7	3	100

DURAN® ALUMINIUM SCREW CLOSURE GL 45



Silver, with high-temperature cap liner



Aluminium is an alternative material to the plastic used in most screw closures for laboratory bottles. The caps are available as a closed-top cap with a high temperature PTFE coated cap liner, or as an open-top cap for use with septum or stopper. Metal closures offer a wide range of temperature tolerances and have a high mechanical strength. Aluminium offers superior barrier qualities that protect against light, moisture, oxygen, and other gases.

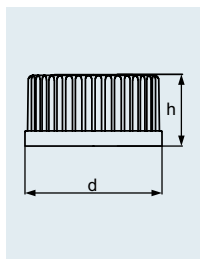
Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 249 01 03	DURAN® Aluminium Screw Closure GL 45, Silver, supplied with high-temperature cap liner (PTFE-coated red silicone)	GL 45	50	25	10
Replacement part					
29 249 09 09	DURAN® GL 45 PTFE-coated red silicone high-temperature cap liner	GL 45	43.5	3	10



DURAN® ORIGINAL GL SCREW CAP FROM PP

A	Tmax.
121 °C	140 °C

with lip seal



Available in the colours blue, green, yellow and grey with matching colour pouring rings. Distinguishing media types is simplified and interchanging of screw caps and carry over of substances is practically eliminated.

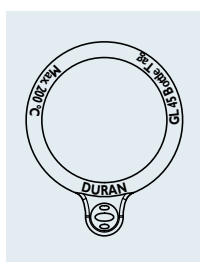
Typical applications: visual aid to the safe identification of different media.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
screw cap					
29 239 13 07	GL 25	33	19	blue	10
29 239 19 07	GL 32	40	24	blue	10
29 239 28 09	GL 45	54	25	blue	10
29 338 28 02	GL 45	54	25	yellow	10
29 338 28 68	GL 45	54	25	green	10
29 338 28 84	GL 45	54	25	grey	10
Pouring ring					
29 242 19 07	GL 32		4	blue	10
29 242 28 09	GL 45		4	blue	10
10 899 11	GL 45		4	green	10
10 899 14	GL 45		4	grey	10
10 899 17	GL 45		4	yellow	10

DURAN® YOUTILITY® BOTTLE TAG

A	Tmax.
121 °C	200 °C

GL 45, from silicone



The silicone GL 45 Bottle Tags can be securely attached around the neck of the YOUTILITY® bottle for easy customisation and unambiguous bottle identification. The elastic Bottle Tags will fit around any DIN GL 45 bottle neck.

Cat. No.	Thread	Colour	Pack Unit
29 243 29 04	GL 45	eight colours, two pieces each	16
29 243 28 18	GL 45	red	20
29 243 28 26	GL 45	orange	20
29 243 28 34	GL 45	yellow	20
29 243 28 42	GL 45	green	20
29 243 28 59	GL 45	blue	20
29 243 28 67	GL 45	purple	20
29 243 28 75	GL 45	black	20
29 243 28 83	GL 45	white	20

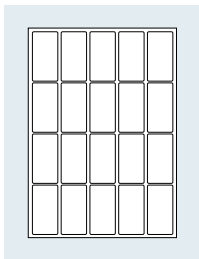
17/25



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DURAN® YOUTILITY® LABELS

Printable self-adhesive



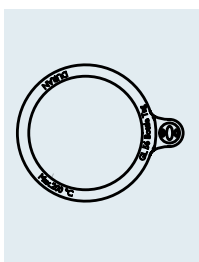
The robust DURAN® YOUTILITY® identification labels are suitable for use with the YOUTILITY® bottle, plus many other types of laboratory glassware, such as GL 45 bottles, beakers and conical flasks. The tear resistant, white polyester labels use a high performance, peelable adhesive. An easy-to-use label creator web app. is available (www.duranlabels.com) to design, and print your own label designs. Ideal for use in fridges, freezers, autoclaves, incubators, and water baths, without the risk of the labels falling off. Can be printed with office printers, copiers, or marked with technical lab pens. Chemically resistant to many typical laboratory chemicals, and solvents. Wide -40 to +150 °C thermal performance range.

Cat. No.	Description	Pack Unit
29 401 02 03	white, polyester	1 x 100 labels

DURAN® TILT BOTTLE TAG



GL 56, from silicone



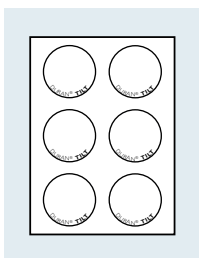
The Bottle Tags can be used on their own for colour identification or to secure the protective Light Shield around the bottle. The GL 56 Bottle Tags are available in four colours: orange, yellow, blue and purple.

Cat. No.	Thread	Colour	Pack Unit
29 243 56 26	GL 56	orange	20
29 243 56 34	GL 56	yellow	20
29 243 56 59	GL 56	blue	20
29 243 56 67	GL 56	purple	20

DURAN® TILT GL 56 CAP LABELS



self-adhesive



Careful labelling is very important to prevent mix-ups and mistakes. The GL 56 self-adhesive polyester cap labels can be used to clearly indicate the separate bottles of media for each cell line, preventing possible cross-contamination. A pack contains 60 screw cap labels.

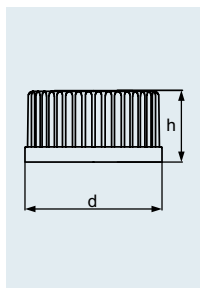
Cat. No.	Description	Pack Unit
29 401 56 04	White polyester	1



DURAN® ORIGINAL GL SCREW CAP FROM PP

A	Tmax.
121 °C	140 °C

with lip seal



Available in the colours blue, green, yellow and grey with matching colour pouring rings. Distinguishing media types is simplified and interchanging of screw caps and carry over of substances is practically eliminated.

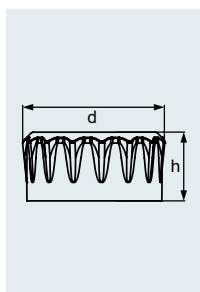
Typical applications: visual aid to the safe identification of different media.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
screw cap					
29 239 13 07	GL 25	33	19	blue	10
29 239 19 07	GL 32	40	24	blue	10
29 239 28 09	GL 45	54	25	blue	10
29 338 28 02	GL 45	54	25	yellow	10
29 338 28 68	GL 45	54	25	green	10
29 338 28 84	GL 45	54	25	grey	10
Pouring ring					
29 242 19 07	GL 32		4	blue	10
29 242 28 09	GL 45		4	blue	10
10 899 11	GL 45		4	green	10
10 899 14	GL 45		4	grey	10
10 899 17	GL 45		4	yellow	10

DURAN® YOUTILITY® SCREW CAP FROM PP

Retrace Code	A	Tmax.
	121 °C	140 °C

GL 45



The DURAN® YOUTILITY® Screw Cap GL 45 is manufactured from a food-grade polypropylene (PP). Ergonomically shaped screw cap with optimised grooves and ridges for a more efficient and easier tightening or removal. The faster opening and closing thread of the YOUTILITY® screw cap is fully compatible with DIN GL 45 bottle threads. The optimised cap sealing system ensures a liquid tight seal.

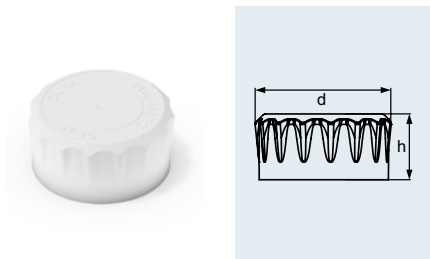
Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
screw cap					
29 229 28 02	GL 45	53	25	cyan	10
pouring ring					
29 241 28 08	GL 45		4	cyan	16



DURAN® YOUTILITY® SCREW CAP GL 45 WHITE POLYPROPYLENE



USP <88> Class VI Liner Less



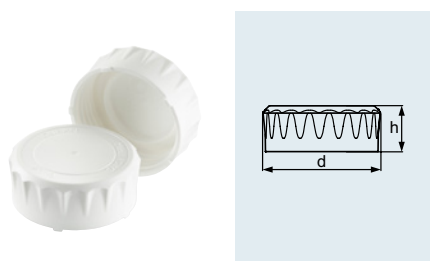
The ergonomic-shaped YOUTILITY® GL 45 screw cap features a liner less design compatible with both DURAN® Original GL 45 bottles and YOUTILITY® bottles. The cap is moulded from biocompatible, USP <88> Class VI certified materials, making it suitable for use in pharmaceutical manufacturing. The white YOUTILITY® caps are Retrace coded for traceability. The retrace code can be used to download a lot specific certificate of conformance.

Cat. No.	DIN Thread (GL)	d (OD) (mm)	h (mm)	Colour	Pack Unit
29 229 28 27	45	49.5	25.2	white	10

DURAN® TILT SCREW CAP



GL 56, from PP



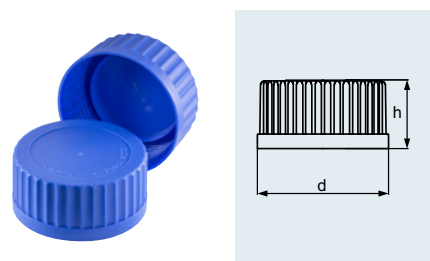
The ergonomic cap is easy to open and close. Made from non-cytotoxic materials.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
29 229 56 02	GL 56	62	27	white	10

DURAN® GLS 80® QUICK RELEASE SCREW CAP



from PP, blue, with lip seal



Permits opening and closing of the DURAN® GLS 80® bottle with only a three-quarter turn. A matching PP pouring ring is also available, permitting clean, drip-free use.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
screw cap				
11 127 16	GLS 80®	87	40	10
Pouring ring				
11 601 66	GLS 80®		6,85	10

2025

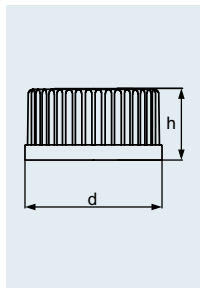


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DURAN® GL STERILE VENTING MEMBRANE SCREW CAP



from PP, with welded-in PTFE, membrane for pressure equalisation



For all GLS 80°, GL 56, GL 45, GL 32 and GL 25 threads. Ideal for autoclaving processes because the 0.2 micron ePTFE membrane permits pressure equalisation and tight sealing, greatly reducing the risk of contamination. Ingress of liquids or solids is prevented and the bottle contents remain sterile.

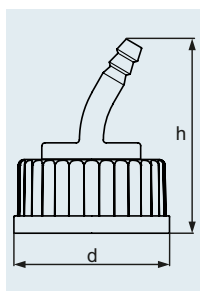
Typical applications: storage or transport of gas generating media, autoclaving of media.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
29 118 13 07	GL 25	33	19	blue	5
29 118 19 07	GL 32	41	24	blue	5
29 118 28 09	GL 45	54	25	blue	5
Suitable for DURAN® YOUTILITY® Laboratory Bottles					
29 116 28 07	GL 45	53	25	cyan	4
Suitable for DURAN® TILT Media Bottles					
29 118 56 09	GL 56	62	27	white	4
Suitable for DURAN® GLS 80® Laboratory Bottles Widemouth					
29 118 91 05	GLS 80	87	40	blue	2

DURAN® STAINLESS STEEL CONNECTOR GL 45



from PBT, GL 45, with 1 port

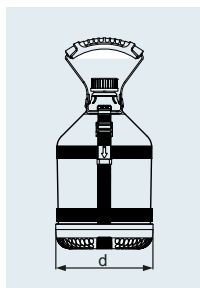


The robust and durable 1-port connection cap is ideal for autoclaving media in the larger DURAN® GL 45 bottles, when used with a sterile air venting capsule filter. The single barbed, male hose connector is suitable for Silicone tubing with an 8.0 mm inner diameter. The connector and body are manufactured from Type 316L (1.4404 / S31603) stainless steel finished in a hygienic, electropolished surface for efficient cleaning and sterilisation. A liquid tight seal is provided by a silicone O-ring (Platinum catalyzed USP <88> Class VI) and the red PBT GL 45 screw aperture cap. Usable over a wide temperature usage range (up to 180 °C) and fully autoclavable. Laser etched Retrace coded for full lot traceability.

Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 261 26 07	1-port connector	GL 45	54	55	1



DURAN® GL 45 BOTTLE CARRYING SYSTEM



The new modular Bottle Carrying System fits standard laboratory bottles that have a GL 45 neck finish and is compatible with four bottle sizes 2, 5, 10 and 20 litres. It makes pouring liquids from the larger bottles more comfortable and safer. It is ergonomically designed, and offers health & safety benefits to the user and allows easy and safe transport of bottles around the laboratory or production facility. The collar is only removable by cutting, so attachment is 100% secure.

Bottle not included.

Cat. No.	Capacity (mL)	Thread	d (OD) (mm)	Colour	Pack Unit
29 283 63 07	2 000	GL 45	136	blue	1
29 282 63 06	2 000	GL 45	136	purple	1
29 281 63 05	2 000	GL 45	136	red	1
29 280 63 04	2 000	GL 45	136	yellow	1
29 280 73 09	5 000	GL 45	194	yellow	1
29 280 86 05	10 000	GL 45	242	yellow	1
29 280 91 04	20 000	GL 45	304	yellow	1

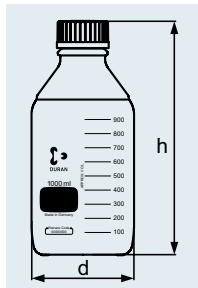
Cat. No.	Description	Pack Unit
Accessories 10 L		
29 901 86 07	DURAN® Metal Dolly stainless steel for 10 L DURAN® GL 45 bottle	1
29 903 86 09	DURAN® Handle for the 10 L Metal Dolly stainless steel	1
29 280 86 54	DURAN® Silicone Bottle Base Protector for the 10 L Metal Dolly, Yellow	1
Accessories 20 L		
29 901 91 06	DURAN® Metal Dolly for 20 L DURAN® GL 45 bottle stainless steel	1
29 903 91 08	DURAN® Handle for the 20 L Metal Dolly stainless steel	1
29 280 91 53	DURAN® Silicone Bottle Base Protector for the 20 L Metal Dolly, Yellow	1
Replacement Parts		
29 284 73 04	DURAN® Replacement handle and collar for GL 45 bottle carrier 5 L	1
29 284 86 09	DURAN® Replacement handle and collar for GL 45 bottle carrier 10 or 20 L	1



DURAN® ORIGINAL LABORATORY BOTTLE



with DIN thread



With easy-to-read scale and large labelling field for easy marking, in fired-on, highly durable white ceramic. With proven DURAN® properties. Complete with blue screw cap (PP, integral lip seal) and pouring ring (PP) for drip-free pouring and clean, safe working. Service temperature level of screw cap and pouring ring: +140 °C.

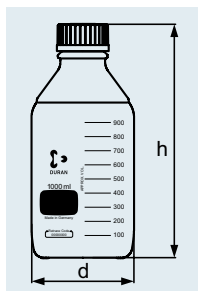
Typical applications: storage, sample preparation, transport. Autoclaving media.

Cat. No.	Capacity (mL)	Thread	d (OD) (mm)	h (mm)	Pack Unit
with screw cap and pouring ring from PP (blue)					
21 801 63 57	2 000	GL 45	136	265	10
21 801 73 53	5 000	GL 45	182	335	1
21 801 86 58	10 000	GL 45	227	415	1
21 801 91 57	20 000	GL 45	288	510	1
without screw cap and pouring ring					
21 801 63 08	2 000	GL 45	136	260	10
21 801 73 04	5 000	GL 45	182	330	1
21 801 86 09	10 000	GL 45	227	410	1
21 801 91 08	20 000	GL 45	288	505	1

DURAN® ORIGINAL GL 45 LABORATORY BOTTLES COMPLETE WITH HIGH TEMPERATURE CLOSURES



with DIN Thread, clear, graduated



DURAN® original GL 45 Laboratory Bottles are available complete with high temperature screw caps and pouring rings. The PBT cap and ETFE pouring rings offer greater thermal and chemical resistance than the equivalent polypropylene components.

Typical applications: Dry heat sterilization, autoclaving of liquid media, storage of corrosive reagents and sampling.

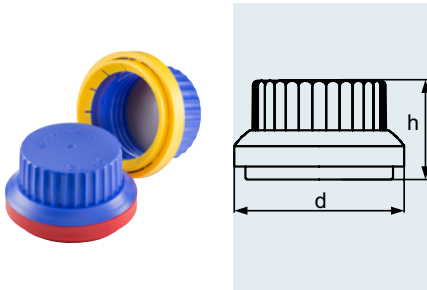
Cat. No.	Capacity (mL)	Thread	d (OD) (mm)	h (mm)	Pack Unit
With high temperature screw cap and ETFE pouring ring					
21 801 63 16	2 000	GL 45	136	265	10
21 801 73 12	5 000	GL 45	182	335	1
21 801 86 17	10 000	GL 45	227	415	1



DURAN® TAMPER EVIDENT SCREW CAPS

A 121 °C Tmax. 140 °C

from PP, for laboratory bottles, with DIN thread



The tamper-evident screw caps are available with either a plug seal or a PTFE faced silicone cap liner (peroxide cured silicone). The integral coloured plastic ring tears when the cap is first opened, and is retained on the bottle neck. Therefore it can be clearly seen if the bottle has been opened after being first sealed. After the initial removal, both caps will still function as "normal" screw cap.

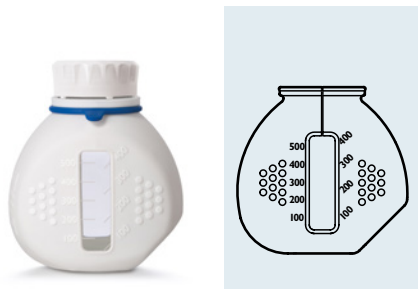
Typical applications: secure storage and transport / shipping of valuable media.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
Plug sealing					
10 175 26	GL 45	66	38	blue-red	10
PTFE faced silicone cap liner					
11 558 86	GL 45	66	38	blue-yellow	10

DURAN® TILT LIGHT SHIELD

Tmax. 200 °C A 121 °C

white, from silicone



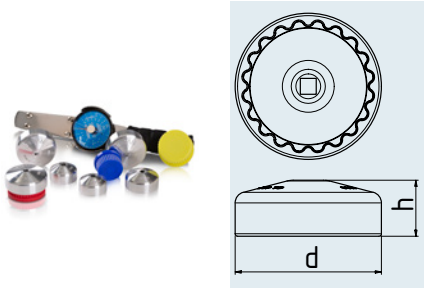
The DURAN® TILT Light Shield is a white silicone sleeve that covers 94 % of the bottle surface. The sleeve has a number of protective functions: it blocks damaging ultraviolet light (UV), protects the glass surface from damage, and facilitates safer handling. DURAN® TILT Light Shield includes four GL 56 Bottle Tags (Orange, Yellow, Blue, Purple) made from silicone.

Cat. No.	Colour	Pack Unit
29 243 56 01	white	4



DURAN® TORQUE WRENCH SOCKETS

for DURAN® GL 25, 32 and 45 Screw Caps



Torque is the rotational force applied during application or removal of a closure from a bottle. The correct application torque for a bottle cap is very important as it affects the sealing integrity. Over-tightening may cause some parts of the cap to be under more pressure than others, which could result in an improper seal. Alternatively, the container may leak or the closure could easily unscrew if too little torque is used. When the correct torque is applied, it will provide sealing integrity under the specified temperature, humidity, and loading conditions. A validation report for the application torque values is available on request. Reference: BFSV Verpackungsinstitut Packaging Test Report No. 4085A-19

Cat. No.	Description	Material	Application Torque Nm	Pack Unit
29 233 13 01	Torque wrench socket / fitting for DURAN® GL 25 PP Cap (Article-No. 29 239 13 07)	Aluminium	1.9	1
29 233 13 26	Torque wrench socket / fitting for DURAN® GL 25 PBT Cap (Article-Nr. 29 240 13 05)	Aluminium	1.9	1
29 233 13 42	Torque wrench socket / fitting for DURAN® GL 25 PREMIUM Cap (Article-No. 11 296 00)	Aluminium	1.0	1
29 233 19 01	Torque wrench socket / fitting for DURAN® GL 32 PP Cap (Article-No. 29 239 19 07)	Aluminium	1.9	1
29 233 19 26	Torque wrench socket / fitting for DURAN® GL 32 PBT Cap (Article-No. 29 240 19 05)	Aluminium	2.0	1
29 233 28 03	Torque wrench socket / fitting for DURAN® GL 45 PP Cap (Article-No. Cap Blue 29 239 28 09, Cap Yellow 29 338 28 02, Cap Green 29 338 28 68, Cap Grey 29 338 28 84)	Aluminium	2.9	1
29 233 28 44	Torque wrench socket / fitting for DURAN® GL 45 PBT Cap (Article-No. 29 240 28 07)	Aluminium	3.4	1
29 233 28 28	Torque wrench socket / fitting for DURAN® GL 45 PREMIUM Cap (Article-No. 10 886 79)	Aluminium	3.2	1

