

Крышки винтовые, насадки CARL ROTH DURAN Premium, PURE Premium, GLS 80, GL 45

Технические характеристики

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Screw caps and olives



A 121 °C



DURAN
WHEATON
KIMBLE

Screw caps

DWK Life Sciences. Material: PP. Autoclavable: Yes.

Features a lip seal. Temperature stable from -40 to +140 °C.
Autoclavable up to 140 °C steam.

Thread	Colour	Art. No.	Pack Qty.	
GL 25	blue	E752.1	10 unit(s)	
GL 32	blue	E753.1	10 unit(s)	
GL 45	yellow	CK22.1	10 unit(s)	
GL 45	grey	CK23.1	10 unit(s)	
GL 45	green	CK24.1	10 unit(s)	
GL 45	blue	E754.1	10 unit(s)	
GLS 80	blue	KY95.1	10 unit(s)	



A 121 °C



DURAN
WHEATON
KIMBLE

Pouring rings

DWK Life Sciences. Material: PP. Autoclavable: Yes.

Temperature stable from -40 to +140 °C.
Autoclavable up to 140 °C steam.

Thread	Colour	Art. No.	Pack Qty.	
GL 32	blue	K752.1	10 unit(s)	
GL 45	yellow	CK25.1	10 unit(s)	
GL 45	grey	CK26.1	10 unit(s)	
GL 45	green	CK27.1	10 unit(s)	
GL 45	blue	K753.1	10 unit(s)	
GLS 80	blue	KY96.1	10 unit(s)	



A 121 °C



DURAN
WHEATON
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Screw caps

DWK Life Sciences. Material: PBT, with PTFE-coated silicone seal.
Autoclavable: Yes.

Temperature stable from -45 to +180 °C, can be hot air sterilised up to +180 °C.

Thread	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	
GL 14	20	17	TX90.1	10 unit(s)	
GL 18	23	20	TX91.1	10 unit(s)	
GL 25	33	23	TX92.1	10 unit(s)	
GL 32	42	26	TX93.1	10 unit(s)	
GL 45	54	28	TX94.1	10 unit(s)	



A 121 °C



DURAN
WHEATON
KIMBLE

Pouring rings

DWK Life Sciences. Material: ETFE. Autoclavable: Yes.

Temperature stable from -100 to +180 °C.

Thread	Art. No.	Pack Qty.	
GL 32	N542.1	10 unit(s)	
GL 45	N543.1	10 unit(s)	

Screw caps and olives



A 121 °C



Screw caps

Lenz. Material: PBT, with PTFE coated seal. Autoclavable: Yes.
Temperature stable from -45 to +150 °C.

Thread	Colour	Art. No.	Pack Qty.	
GL 14	red	E695.1	10 unit(s)	
GL 18	red	E696.1	10 unit(s)	
GL 25	red	E692.1	10 unit(s)	
GL 32	red	E693.1	10 unit(s)	
GL 45	red	E694.1	10 unit(s)	



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DURAN
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Screw caps DURAN® Premium

DWK Life Sciences. Material: TPCh260, with PTFE-coated silicone seal. Autoclavable: Yes.

With no colour additives. Temperature stable from -196 to +200 °C, high chemical resistance.

For laboratory bottles with DIN standard thread. Characteristics ideal for application in pharmaceutical industry, for storing aggressive media as well as for demanding sterilisation procedures. FDA and USP-compliant. Autoclavable, hot-air and dry-sterilisable and capable of depyrogenation. With retrace code.

Thread	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	
GL 25	32	22	PY85.1	5 unit(s)	
GL 45	51	26	CK79.1	5 unit(s)	



Pouring rings DURAN® Premium

DWK Life Sciences. Material: TPCh260.

Thread	Art. No.	Pack Qty.	
GL 45	CK80.1	5 unit(s)	



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Screw caps

Bohlender. Material: PPS, with PTFE-coated silicone seal. Autoclavable: Yes.

Temperature stable from -20 to +230 °C.

Thread	Art. No.	Pack Qty.	
GL 14	NT01.1	10 unit(s)	
GL 18	NT02.1	10 unit(s)	
GL 25	NT03.1	10 unit(s)	
GL 32	NT04.1	10 unit(s)	
S 40	NT05.1	5 unit(s)	
GL 45	NT06.1	5 unit(s)	



A 121 °C



DURAN
WHEATON
KIMBLE

Tamper-evident caps

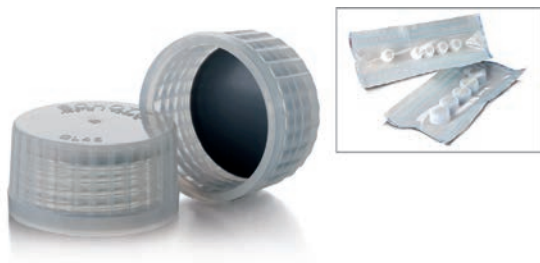
DWK Life Sciences. Material: PP. Autoclavable: Yes.

For laboratory bottles with GL 45 DIN thread. Autoclavable up to +140 °C steam.

Version	Thread	Art. No.	Pack Qty.	
with lip seal, red tamper-evident ring	GL 45	AH99.1	10 unit(s)	
with PTFE coated silicone seal, yellow tamper-evident ring	GL 45	KE51.1	10 unit(s)	



Screw caps and olives



A 121 °C



DURAN
WHEATON
KIMBLE

Screw caps DURAN® PURE Premium

DWK Life Sciences. Material: TPCh260 (similar to PFA).

Autoclavable: Yes.

With no colour additives. Manufactured in ISO Class 7 clean rooms. Temperature stable from -196 to +260 °C, high chemical resistance. For laboratory bottles with DIN standard thread. Characteristics ideal for application in pharmaceutical industry, for storing aggressive media as well as for demanding sterilisation procedures. FDA and USP-compliant. Autoclavable and hot-sterilisable. With retrace code, batch certificates available.

Standard packaging

Thread	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	
GL 25	32	22	HNN1.1	5 unit(s)	
GL 45	51	26	HNN2.1	5 unit(s)	

STERICLIN® sterile barrier system packaging

Caps are sealed in packs of 5 and can be sterilised directly in the STERICLIN® packaging. No pre-cleaning necessary. Can be stored for up to 6 months after sterilising. Can be sterilised by STEAM, EO and FORM sterilisation; the corresponding indicators are imprinted on the STERICLIN® packaging. Recommended sterilisation process: Steam sterilisation with pre-vacuum, from 121 °C for 20 minutes up to 134 °C for 20 minutes.

Thread	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.	
GL 25	32	22	XT05.1	20 unit(s)	
GL 45	51	26	XT06.1	20 unit(s)	



A 121 °C



DURAN
WHEATON
KIMBLE

Quick rel. screw-cap DURAN® PURE GLS 80®

DWK Life Sciences. Material: PSU, with PTFE-coated silicone seal.

Autoclavable: Yes.

High-quality quick release screw-cap closure made of PSU in thread size GLS 80. Colour: white. Autoclavable and compatible with other common sterilisation methods. Temperature stable from -45 to +180 °C. DWK Life Sciences provides analysis certificates with every delivery and guarantees 100% traceability and change control management. This DURAN® PURE GLS 80® quick release screw-cap closure is available with the documentation required by the regulatory authorities and fulfils the requirements of international pharmacopoeias.

Applications:

- High-quality cap developed for the needs of the pharmaceutical and biotech industry
- Intended for use with DURAN® PURE GLS 80® wide mouth screw top bottles

Delivery incl. batch certificate.

Thread	Ø (mm)	Height (mm)	Art. No.	Pack Qty.	
GLS 80	88	40	1HK5.1	5 unit(s)	

A 121 °C



DURAN
WHEATON
KIMBLE

Pouring rings GLS 80

DWK Life Sciences. Material: PTFE. Autoclavable: Yes.

Thread	Height (mm)	Art. No.	Pack Qty.	
GLS 80	6.85	PC53.1	5 unit(s)	

Screw caps and olives



A 121 °C



Screw caps DURAN® PURE

DWK Life Sciences. Material: PFA. Autoclavable: Yes.

Without colour additives and pigments. Features a lip seal. For laboratory bottles with GL 45 thread. Retrace code and batch certificate available.

- Temperature resistance: -196 to +260 °C
- Can be autoclaved and dry-heat sterilised (at 260 °C)
- High chemical resistance
- Comply with FDA 21 CFR V, section 177.1550, and USP class VI

Thread	Ø ext. (mm)	Height (mm)	Art. No.	Pack Qty.
GL 45	52	27.5	EEE3.1	5 unit(s)



A 121 °C



Quick-release screw-caps GLS 80

DWK Life Sciences. Autoclavable: Yes.

Made of polyarylsulfone plastic. Significantly improved chemical, thermal and mechanical properties compared with PP caps; temperature stable from -45 to +180 °C. Seal PTFE-coated on both sides. Thread permits opening and closing with only a three-quarter turn.

Thread	Ø (mm)	Height (mm)	Art. No.	Pack Qty.
GLS 80	86	40	PC52.1	5 unit(s)



A 121 °C

Screw closures GLS 80

Bohlender. Material: PP, with sealing insert made of PTFE.

Autoclavable: Yes.

High chemical resistance since medium only comes into contact with PTFE. Temperature stable from -20 to +140 °C.

Thread	Art. No.	Pack Qty.
GLS 80	NY56.1	1 unit(s)



A 121 °C



Ventilation screw caps DURAN® with ePTFE membrane

DWK Life Sciences. Material: PP with welded-in PTFE membrane.

Autoclavable: Yes.

The membrane, made of expanded PTFE with a pore size of 0.2 µm enables a sterile gas exchange and prevents aqueous liquids with high surface tension from passing through it.

During the autoclaving process, the caps can be securely screwed on to the laboratory glass bottles.

Autoclavable at 121 °C (20 minutes) or 134 °C (3 minutes).

Applications:

- Pressure equalisation during steam sterilisation/autoclaving of media or buffer solutions in bottles up to a volume of 5 litres
- Sterile gas exchange for aerobic micro-organism, shaken and suspended cell cultures
- Short-term storage of sterilised media
- Storage of gas-forming substances

Version	Thread	Colour	Art. No.	Pack Qty.
1 hole	GL 25	blue	KCL9.1	5 unit(s)
1 hole	GL 32	blue	KCN0.1	5 unit(s)
3 holes	GL 45	blue	CK81.1	5 unit(s)
3 holes	GL 45	turquoise	KCN2.1	4 unit(s)
3 holes	GL 56	white	KCN3.1	4 unit(s)
3 holes	GLS 80	blue	KCN4.1	2 unit(s)



Screw caps and olives



A 121 °C

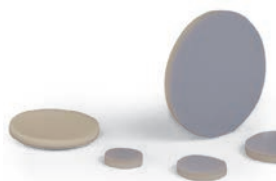
Screw caps with hole

Material: PBT. Autoclavable: Yes.

With GL thread, for connecting connectors, pipes or stopcocks.
Autoclavable, temperature stable from -45 to +180 °C.

Delivery without seal, please order separately.

Thread	Ø Hole (mm)	Art. No.	Pack Qty.	
GL 14	9.5	L993.2	10 unit(s)	
GL 18	11	EL61.1	1 unit(s)	
GL 25	15	LL40.2	10 unit(s)	
GL 32	20	H396.2	10 unit(s)	
GL 45	34	L994.2	10 unit(s)	



A 121 °C

Seals

Bohlender. Material: Silicone (Elastomer) with PTF coating.
Autoclavable: Yes.

Suitable for screw caps, Art. No. NT01.1 ff or screw caps with hole
Art. No. NT07.1 ff.

Temperature stable from -60 to +230 °C.

Thread	Ø ext. (mm)	Thickness (mm)	Art. No.	Pack Qty.	
GL 14	13	3.3	NT13.1	25 unit(s)	
GL 18	16.8	3.3	NT14.1	25 unit(s)	
GL 25	23.5	3.3	NT15.1	25 unit(s)	
GL 32	30.2	3.3	NT16.1	5 unit(s)	
S 40	38	3.3	NT17.1	5 unit(s)	
GL 45	43.2	3.3	NT18.1	5 unit(s)	

A 121 °C

Seals with hole

Material: Silicone rubber with cured-on PTFE cuff. Autoclavable: Yes.

For screw caps with a hole and GL thread.

Thread	Ø Hole (mm)	Art. No.	Pack Qty.	
GL 14	6	AK96.1	1 unit(s)	
GL 18	6	AK97.1	1 unit(s)	
GL 18	8	AK98.1	1 unit(s)	
GL 18	10	AK99.1	1 unit(s)	
GL 25	8	LL92.1	2 unit(s)	
GL 25	10	LL93.1	2 unit(s)	
GL 25	12	LL94.1	2 unit(s)	
GL 32	12	H397.1	1 unit(s)	
GL 32	10	LL95.1	2 unit(s)	
GL 32	14	LL96.1	2 unit(s)	
GL 32	16	LL97.1	2 unit(s)	
GL 32	18	LL98.1	2 unit(s)	
GL 45	26	LL99.1	1 unit(s)	
GL 45	32	LN00.1	1 unit(s)	



A 121 °C



Seals

DWK Life Sciences. Material: Silicone rubber. Autoclavable: Yes.

Can be pierced with the cannula. For screw caps with a hole and GL thread.

Thread	Ø ext. (mm)	Thickness (mm)	Art. No.	Pack Qty.	
GL 14	12	2	LL48.1	20 unit(s)	
GL 18	16	2	LL49.1	20 unit(s)	
GL 25	22	2	LL50.1	10 unit(s)	
GL 32	29	2	LL51.1	10 unit(s)	
GL 45	42	3	LL52.1	5 unit(s)	

Screw caps and olives



A 121 °C



Septa DURAN® GL 45 with PTFE coating

DWK Life Sciences. Material: Silicone rubber with PTFE coating. Autoclavable: Yes.

For use with GL 45 screw caps with hole (Art. No. L994.1). Easy to pierce, reliable resealing. Temperature-stable from -50 to +180 °C. Autoclavable at 121 °C for 15 minutes or sterilisable up to 180 °C in dry heat.

Version	For screw-cap closures	Art. No.	Pack Qty.	
GL 45 septa	GL 45	KCP9.1	10 unit(s)	



A 121 °C

Screw caps with hole

Bohler. Material: PPS. Autoclavable: Yes. Temperature stable from -20 to +230 °C.

Delivery without seal, please order separately.

Thread	Ø Hole (mm)	Art. No.	Pack Qty.	
GL 14	9.2	NT07.1	10 unit(s)	
GL 18	11	NT08.1	10 unit(s)	
GL 25	15	NT09.1	10 unit(s)	
GL 32	20	NT10.1	10 unit(s)	
S 40	28	NT11.1	10 unit(s)	
GL 45	34	NT12.1	10 unit(s)	



A 121 °C



Bottle stopper DURAN®

DWK Life Sciences. Material: Butyl rubber. Autoclavable: Yes.

Made of bromobutyl rubber. Can be used with all DURAN® laboratory glass bottles with a GL 45 thread. Can additionally be secured with a screw cap with hole (recommended only for non-pressurised applications). Low permeability for air, gases and moisture.

Top side has seven numbered semi-circular depressions to be pierced with tubes, good self-sealing characteristics when pierced repeatedly. Temperature stable from -50 to +121 °C.

Applications:

- Storage of oxygen-sensitive materials
- Applications which require gas flushing or samples to be decanted using a syringe
- Cultures with anaerobic micro-organisms (the use of pressure-resistant bottles is recommended)
- Storage of anaerobic culture media (the use of brown glass bottles is recommended)
- Investigation of aerobic methane oxidation (MOx)

Version	Thread	Art. No.	Pack Qty.	
DURAN® bottle stopper	GL 25	KNK4.1	10 unit(s)	
DURAN® bottle stopper	GL 45	KCN5.1	10 unit(s)	



A 121 °C

Connectors

Material: PP with silicone rubber seal. Autoclavable: Yes.

For screw caps with a hole and GL thread. Autoclavable, temperature stable from -40 to +140 °C.

Version	Thread	Ø ext. (mm)	Ø Internal (mm)	Art. No.	Pack Qty.	
curved	GL 18	10.8	6.8	LL45.1	2 unit(s)	
straight	GL 18	10.8	6.8	EL60.1	1 unit(s)	
straight	GL 14	8.6	5.0	L992.2	10 unit(s)	
	GL 14	8.6	4.0	LL46.2	10 unit(s)	



Screw caps and olives



A 121 °C



Connectors with screw cap

DWK Life Sciences. Material: PTFE, Seal made of silicone rubber and screw cap made of PBT. Autoclavable: Yes.

With GL thread. Temperature stable between -45 and +180 °C.

Version	Thread	Ø ext. (mm)	Ø Internal (mm)	Art. No.	Pack Qty.
curved	GL 14	9.0	5.0	LK74.2	10 unit(s)
curved	GL 18	10.5	7.5	LK75.1	2 unit(s)
straight	GL 14	9.0	5.0	LK72.2	10 unit(s)
straight	GL 18	10.5	7.5	LK73.2	10 unit(s)
straight	GL 25	13.0	10.0	LN34.1	2 unit(s)



A 121 °C



Connectors with screw cap

Bohler. Autoclavable: Yes.

Near-universal chemical resistance since medium only comes into contact with PFA or PTFE. Temperature stable from -20 to +230 °C.

Connectors made of PFA

Material: PFA with FPM-O-ring and screw cap made of PPS.

Version	Thread	Ø ext. (mm)	Ø Internal (mm)	Art. No.	Pack Qty.
curved	GL 14	8.7	6.0	NY34.1	2 unit(s)
curved	GL 18	10.4	7.0	NY36.1	2 unit(s)
straight	GL 14	8.7	6.0	NY33.1	2 unit(s)
straight	GL 18	10.4	7.0	NY35.1	2 unit(s)

Connectors made of PTFE

Material: PTFE with FPM-O-ring and screw cap made of PPS.

Version	Thread	Ø ext. (mm)	Ø Internal (mm)	Art. No.	Pack Qty.
straight	GL 25	16.0	10.0	NY37.1	2 unit(s)
straight	GL 32	21.0	16.0	NY38.1	2 unit(s)

A 121 °C



Pressure equalisation sets

Bohler. Material: PPS (screw cap) with PTFE/silicone seal and replaceable filter-membrane made of PTFE. Autoclavable: Yes.

For pressure equalisation after the removal or addition of liquid samples from sealed containers or for the storage of out-gassing media. Pressure is equalised from a differential pressure of 0.1 bar. High chemical resistance, the medium only comes into contact with PTFE. Filter-membrane pore size 2.5 µm. Temperature stable from -200 to +250 °C.

Thread	Ø Membrane (mm)	Art. No.	Pack Qty.
GL 14	12	NX61.1	1 unit(s)
GL 18	16	NX62.1	1 unit(s)
GL 25	23	NX63.1	1 unit(s)
GL 32	29	NX64.1	1 unit(s)
GL 45	45	NX65.1	1 unit(s)



Dispensers GL 45

Bohler. Material: PTFE with screw cap made of PPS.

Free rotating dispenser with stopcock and vent for controlled and safe pouring of aggressive or highly pure liquids. Surfaces are chemically inert, hydrophobic, anti-adhesive and therefore easy to clean. Temperature stable from -20 to +230 °C.

Delivery incl. slip cap made of PTFE to close the outlet.

Thread	Ø Outlet (mm)	Art. No.	Pack Qty.
GL 45	4	NT22.1	1 unit(s)

Thread adapter for dispensers with GL 45 thread

ROTH SELECTION.

Suitable for	Material specification	Art. No.	Pack Qty.
Containers with S 38-430 thread (e.g. AE00.3, HN44.3, HN60.3, HN54.1)	PTFE	KY68.1	1 unit(s)
Containers with GL 40 thread	Fluorinated rubber	P321.1	1 unit(s)

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