



# 04

INTERCHANGEABLE  
GLASSWARE

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## INTERCHANGEABLE GLASSWARE

DURAN® interchangeable glassware is indispensable for laboratory work. DWK Life Sciences offers a wide range of bottles and flasks with standard ground necks, vessels with flat flanges, condensers and stirrer shafts.

The DURAN® flat flange reaction vessels are valued for their universal suitability for use in the laboratories of a wide range of specialisations.

Whether reaction, distillation, evaporation or desiccation, DURAN® offers a wide range of unfinished and finished parts which always provide the optimum solution for the particular application. Due to the pure glass-to-glass connections, reactions with highly corrosive or highly chemically reactive substances can be carried out without problems.

The vessels are notable due to a robust glass flange design with an optimum external flange angle of 45°. Due to the precisely ground joint, the vessels can be closed tightly when using a sealing ring.

Matching stainless-steel quick release clamps, with three retaining clips, ensure easy and safe handling.

All individual parts and a wide range of accessories such as lids, seals, quick-release clamps etc. are compatible and can be interchanged as required. Vessels and lids can be matched using their DN (nominal diameter) number.

### Usage tips:

- All components are suitable for use under full vacuum and approved for operating over-pressures (see product related pages).
- Before use, it is recommended that the glass surfaces of the vessels be checked for damage such as scratches, cracks or nicks.
- Damaged glass vessels should not be used for safety reasons.
- Due to the high wall thickness and reduced thermal shock resistance under pressure loading, the flat flange vessels should be heated uniformly and gradually.

04



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[www.DWK-LifeSciences.com/DURAN/distributors](http://www.DWK-LifeSciences.com/DURAN/distributors)

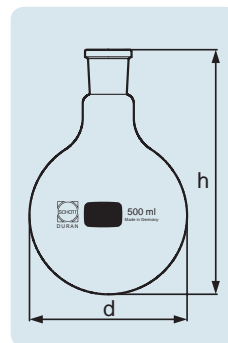
Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Closable with glass and plastic stopper. Combinable with other standard ground joint articles.

Typical applications: distillation, extraction.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Remark	Pack Unit
241701307	25	41	85	14/23		10
241701401	25	41	85	19/26	Non-DIN ISO size.	10
241702003	50	51	90	14/23		10
241701701	50	51	90	19/26		10
241701804	50	51	105	24/29	Non-DIN ISO size.	10
241701907	50	51	105	29/32	Non-DIN ISO size.	10
241702509	100	64	105	14/23		10
241702406	100	64	105	19/26		10
241702603	100	64	105	24/29		10
241702706	100	64	105	29/32		10
241703608	250	85	140	24/29		10
241703702	250	85	140	29/32		10
241704407	500	105	163	24/29		10
241704604	500	105	163	29/32		10
241704707	500	105	163	45/40	Non-DIN ISO size.	10
241705403	1 000	131	200	24/29		10
241705609	1 000	131	200	29/32		10
241705703	1 000	131	200	45/40	Non-DIN ISO size.	10
241706305	2 000	166	240	29/32		10
241706408	2 000	166	240	45/40	Non-DIN ISO size.	10
241707207	4 000	207	290	45/40		1

## DURAN® Round Bottom Flask

with standard ground joint



DIN ISO  
4797

A  
121 °C

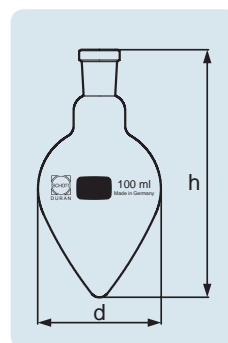
USP  
Standard

The conical geometry makes them ideal for small-scale reactions.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Pack Unit
241950809	10	30	75	14/23	10
241951402	25	40	90	14/23	10
241952004	50	50	110	14/23	10
241952501	100	62	125	14/23	10

## DURAN® Pear Shape Flask

with standard ground joint

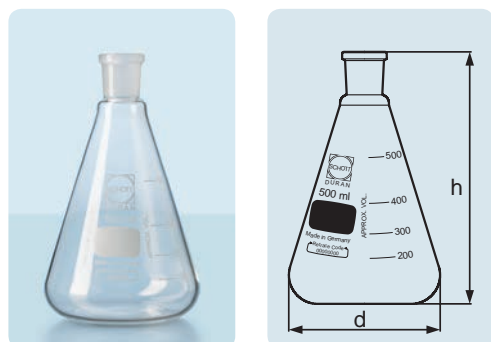


A  
121 °C

USP  
Standard

## DURAN® Erlenmeyer Flask

with standard ground joint



DIN ISO  
4797

Retrace  
Code

A  
121 °C

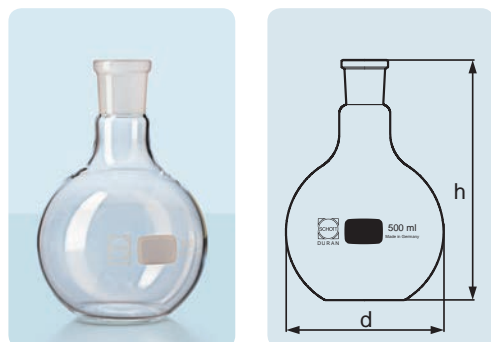
USP  
Standard

With easy-to-read scale and large labelling field for easy marking. The conical shape makes these flasks ideal for mixing liquids and, due to the even wall thickness, also suitable for use as heating glassware.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Remark	Pack Unit
241931306	25	42	75	14/23		10
241932002	50	51	85	14/23		10
241931709	50	51	85	19/26		10
241931803	50	51	85	24/29	Non-DIN ISO size.	10
241931906	50	51	85	29/32		10
241932405	100	64	105	19/26		10
241932602	100	64	105	24/29	Non-DIN ISO size.	10
241932705	100	64	105	29/32		10
241933204	200	79	131	29/32	Non-DIN ISO size.	10
241933607	250	85	140	24/29		10
241933701	250	85	140	29/32		10
241933804	250	85	140	45/40	Non-DIN ISO size.	10
241933907	300	87	155	29/32	Non-DIN ISO size.	10
241934406	500	105	175	24/29		10
241934603	500	105	175	29/32		10
241934706	500	105	175	45/40	Non-DIN ISO size.	10
241935402	1 000	131	220	24/29		10
241935608	1 000	131	220	29/32		10
241935702	1 000	131	220	45/40	Non-DIN ISO size.	10

## DURAN® Flat Bottom Flask

with standard ground joint



DIN ISO  
4797

A  
121 °C

USP  
Standard

Due to the flat bottom the flask can be set upon a bench without a support ring.

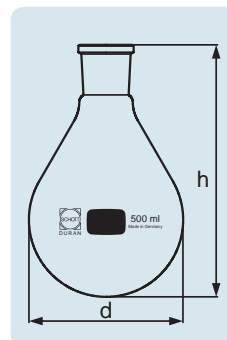
Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Remark	Pack Unit
241711908	50	51	85	29/32		10
241712407	100	64	103	19/26		10
241712604	100	64	103	24/29		10
241712707	100	64	103	29/32		10
241713609	250	85	130	24/29	Non-DIN ISO size.	10
241713703	250	85	130	29/32		10
241714408	500	105	160	24/29	Non-DIN ISO size.	10
241714605	500	105	160	29/32		10
241715404	1 000	131	187	24/29	Non-DIN ISO size.	10
241715601	1 000	131	187	29/32		10
241716306	2 000	166	230	29/32	Non-DIN ISO size.	10



Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Pack Unit
241202707	100	60	110	29/32	10
241203703	250	81	140	29/32	10
241204605	500	101	170	29/32	10
241205601	1 000	126	210	29/32	10

## DURAN® Evaporating Flask

with standard ground joint, pear shape

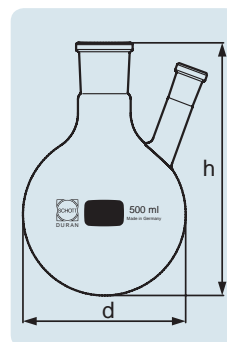


Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Depending upon the application, accessories, columns, thermometers, dropping funnels, boiling capillaries, etc. can be fitted.

Typical applications: distillation, extraction.

## DURAN® Twin-Neck Round Bottom Flask

with standard ground joint, inclined side neck



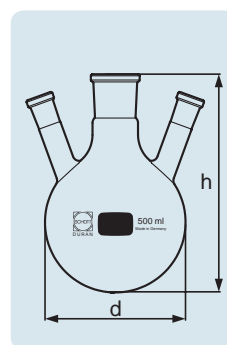
Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Center neck (NS)	Side neck (NS)	Remark	Pack Unit
241832604	100	64	105	24/29	14/23	Non-DIN ISO size.	1
241832707	100	64	105	29/32	14/23	Non-DIN ISO size.	1
241833609	250	85	140	24/29	14/23	Non-DIN ISO size.	1
241833703	250	85	140	29/32	14/23		1
241834408	500	105	163	24/29	14/23	Non-DIN ISO size.	1
241834605	500	105	163	29/32	14/23		1
241835404	1 000	131	200	24/29	14/23	Non-DIN ISO size.	1
241835601	1 000	131	200	29/32	14/23		1
241836306	2 000	166	240	29/32	14/23		1

Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Depending upon the application, accessories, columns, thermometers, dropping funnels, boiling capillaries, etc. can be fitted.

Typical applications: distillation, extraction.

## DURAN® Triple-Neck Round Bottom Flask

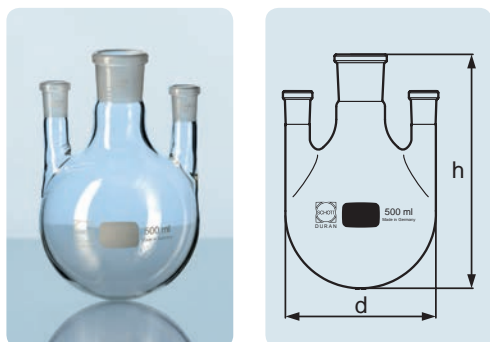
with standard ground joint, inclined side necks



Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Center neck (NS)	Side neck (NS)	Pack Unit
241882703	100	64	105	29/32	14/23	1
241883605	250	85	140	24/29	14/23	1
241883708	250	85	140	29/32	14/23	1
241884301	500	105	163	24/29	14/23	1
241884601	500	105	163	29/32	14/23	1
241885306	1 000	131	200	24/29	14/23	1
241885503	1 000	131	200	29/32	14/23	1

## DURAN® Triple-Neck Round Bottom Flask

with standard ground joint, parallel side necks



DIN ISO  
12392

A  
121 °C

USP  
Standard

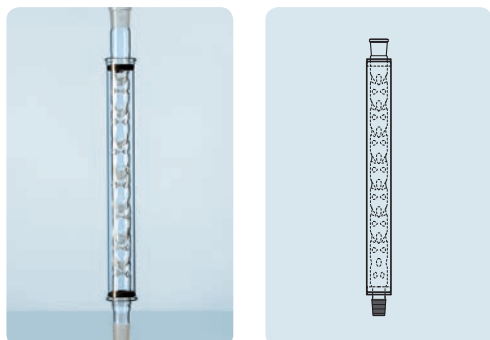
Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Depending upon the application, accessories, columns, thermometers, dropping funnels, boiling capillaries, etc. can be fitted.

Typical applications: distillation, extraction.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Center neck (NS)	Side neck (NS)	Remark	Pack Unit
241853602	250	85	105	24/29	19/26	Non-DIN ISO size.	1
241853705	250	85	140	29/32	14/23	Non-DIN ISO size.	1
241854401	500	105	140	24/29	19/26	Non-DIN ISO size.	1
241854607	500	105	163	29/32	14/23	Non-DIN ISO size.	1
241854504	500	105	163	29/32	29/32		1
241855603	1 000	131	163	29/32	14/23	Non-DIN ISO size.	1
241855509	1 000	131	200	29/32	29/32		1
241856308	2 000	166	240	29/32	14/23	Non-DIN ISO size.	1
241856505	2 000	166	240	29/32	29/32		1

## DURAN® Vigreux Column

with 2 standard ground joints, complete, with slide-on glass jacket



Typical application: distillation.

Cat. No.	Overall length (mm)	Socket size (NS)	Cone (NS)	Effective length (mm)	Pack Unit
242407104	450	24/29	24/29	300	1
242407207	450	29/32	29/32	300	1
242408709	650	24/29	24/29	500	1
242408803	650	29/32	29/32	500	1

## DURAN® Woulff Bottle

3 standard ground necks



A  
121 °C

USP  
Standard

Vacuum resistant due to the wall thickness and geometry.

Cat. No.	Capacity (mL)	d (OD) (mm)	Neck	Pack Unit
247094403	500	87	19/26	1
247095408	1 000	113	24/29	1
247096301	2 000	135	29/32	1
247097306	5 000	185	34/35	1

Vacuum resistant due to the wall thickness and geometry.

Cat. No.	Capacity (mL)	d (OD) (mm)	Neck	Remark	Pack Unit
247104401	500	87	19/26	Bottom NS 19/26	1
247105406	1 000	113	24/29	Bottom NS 19/26	1
247106308	2 000	135	29/32	Bottom NS 19/26	1
247107304	5 000	185	34/35	Bottom NS 29/32	1

## DURAN® Woulff Bottle

3 standard ground necks, and bottom tubulature



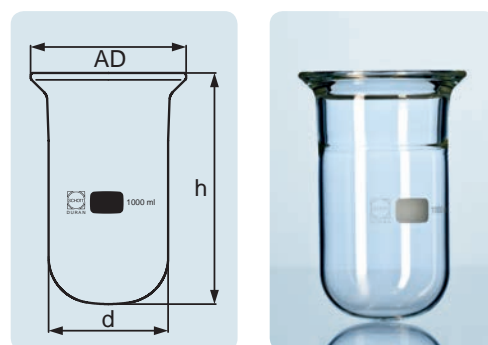
Pressure and vacuum resistant due to the wall thickness and geometry. Groove for O-ring seal.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	Capacity (mL)	Full capacity (mL)	Outer diameter (AD) Flange (mm)	Vessel d (OD) (mm)	h (mm)	Max. operating pressure at 250 °C	Remark	Pack Unit
DN 60								
243902408	100	195	100	70	85	2.5 bar	cylindrical	1
243903601	250	315	100	70	125	2.5 bar	cylindrical	1
DN 100								
243904409	500	740	138	106	120	1.5 bar	cylindrical	1
243905405	1 000	1 395	138	106	205	1.5 bar	cylindrical	1
243906307	2 000	2 620	138	140	270	1.5 bar	flask shaped	1
DN 150								
243907106	4 000	5 765	184	200	290	1.0 bar	flask shaped	1
243907603	6 000	7 320	184	215	320	1.0 bar	flask shaped	1
243908608	10 000	11 935	184	240	410	0.5 bar	flask shaped	1

## DURAN® Flat Flange Reaction Vessel

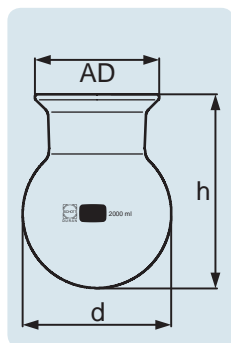
flange with groove





## DURAN® Flat Flange Round Bottomed Flask

flange with groove, for vacuum use



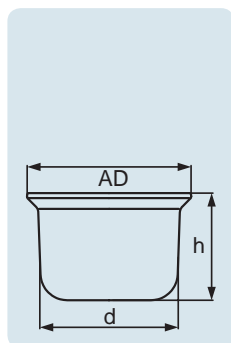
Pressure and vacuum resistant due to the wall thickness and geometry. Groove for O-ring seal. Note: At the maximum usage temperature of 250 °C and the maximum operating pressure, the temperature difference in the glass wall of the flat flange reaction vessels must not exceed 30 °C.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	Capacity (mL)	h (mm)	Outer diameter (AD) Flange (mm)	Full capacity (mL)	Vessel d (OD) (mm)	Max. operating pressure at 250 °C	Pack Unit
DN 100							
243956303	2 000	215	138	2 610	165	1.0 bar	1
243957102	4 000	265	138	4 660	206	1.0 bar	1
243957608	6 000	295	138	6 675	236	1.0 bar	1
243958604	10 000	340	138	11 720	280	0.5 bar	1
243959103	20 000	410	138	21 415	350	0.5 bar	1
DN 120							
243977301	5 000	270	158		223		1
DN 150							
243998608	10 000	340	184		280		1
343999107	20 000	410	184		350		1

## DURAN® Flat Flange Beaker

flange with groove



Pressure and vacuum resistant due to the wall thickness and geometry. Groove for O-ring seal. Suitable for Witt-type filter apparatus. Note: only heat flat-flange beakers in water or oil baths. At the maximum usage temperature of 250 °C and the maximum operating pressure, the temperature difference in the glass wall of the flat flange reaction vessels must not exceed 30 °C.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	Capacity (mL)	h (mm)	Outer diameter (AD) Flange (mm)	Full capacity (mL)	Max. operating pressure at 250 °C	Beaker d (OD) (mm)	Pack Unit
DN 120							
243945409	1 000	125	158	1 360	0.5 bar	130	1
243946302	2 000	200	158	2 200	0.5 bar	130	1
243946808	3 000	290	158	3 220	0.5 bar	130	1
DN 150							
243915406	1 000	120	184	1 915	0.5 bar	159	1
243916308	2 000	200	184	3 070	0.5 bar	153	1
243916805	3 000	265	184	4 090	0.5 bar	153	1

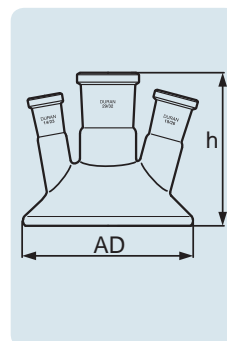
Pressure and vacuum resistant due to the wall thickness and geometry. Note: At the maximum usage temperature of 250 °C and the maximum operating pressure, the temperature difference in the glass wall of the flat flange reaction vessels must not exceed 30 °C.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
243923406	90	60	100	29/32	2 bar	1

## DURAN® Flat Flange Lid

4 standard ground necks, with side neck  
(NS): 2 x 19/26 angled; 1 x 14/23 angled



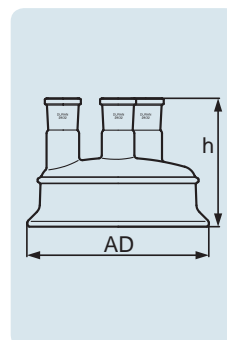
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
243925707	130	150	184	29/32	1 bar	1

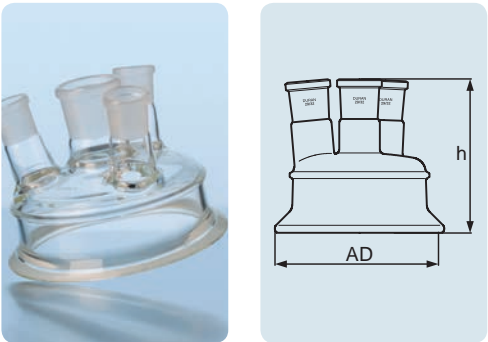
## DURAN® Flat Flange Lid

4 standard ground necks, with side neck  
(NS): 3 x 29/32 parallel



DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 3 x 29/32 angled



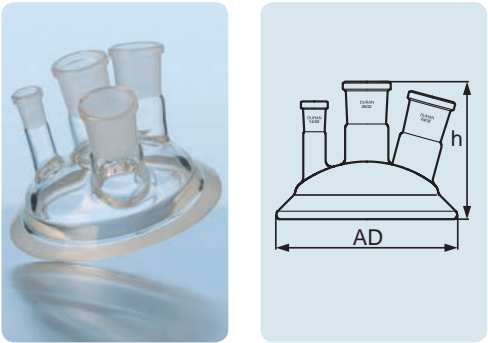
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
243924608	125	100	138	29/32	1 bar	1
243925801	130	150	184	29/32	1 bar	1

DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 2 x 29/32 angled; 1 x 14/23 angled



Flat form. Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
243964603	105	100	138	29/32	1 bar	1

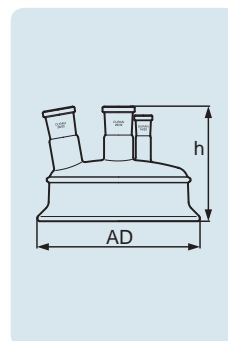
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
243924702	125	100	138	29/32	1 bar	1
243925107	130	120	158	29/32	1 bar	1
243925904	120	150	184	29/32	1 bar	1

## DURAN® Flat Flange Lid

4 standard ground necks, with side neck  
(NS): 2 x 29/32 angled; 1 x 14/23 parallel



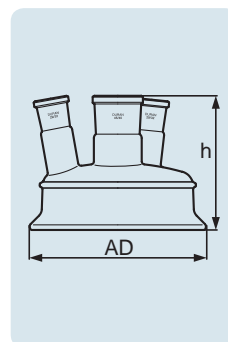
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
243926009	140	150	184	45/40	1 bar	1

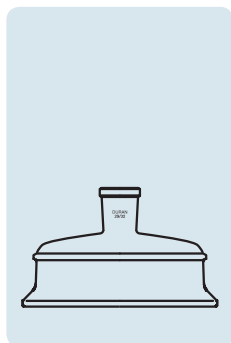
## DURAN® Flat Flange Lid

4 standard ground necks, with side neck  
(NS): 3 x 29/32 angled



## DURAN® Flat Flange Lid

with centre neck



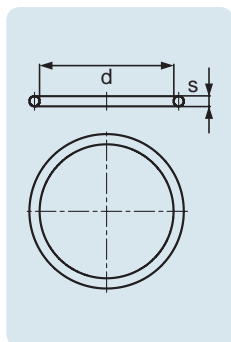
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	Neck	DN	Outer diameter (OD) Flange (mm)	Max. operating pressure at 250 °C	Pack Unit
NS 29/32						
243984605	76	29/32	100	138	1 bar	1
243985704	102	29/32	150	184	1 bar	1
243986109	126	29/32	200	242	1 bar	1
243985104	105	29/32	120	158	1 bar	1
NS 45/40						
244504608	84	45/40	100	138	1 bar	1
244505707	112	45/40	150	184	1 bar	1

## O-Ring Red

FEP coated, not suitable for desiccators

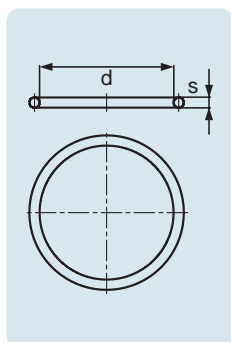


Accessories for flat flange vessels, comprising an elastic, silicone core with seamless FEP coating that encloses the ring. The combination of these high-quality materials achieves good elasticity in conjunction with outstanding chemical resistance.

Cat. No.	d (OD) (mm)	DN	s (mm)	Pack Unit
292223406	75	60	4	1
292224608	110	100	4	1
292225107	133	120	4	1
292225707	157	150	5	1
292226103	215	200	5	1

## O-Ring Transparent

from silicone (VMQ), not suitable for desiccators



Accessories for flat flange vessels. From silicone (VMQ), so is highly elastic. The chemical resistance of silicone is lower than FEP coated O-rings.

Cat. No.	d (OD) (mm)	DN	s (mm)	Pack Unit
292253409	75	60	4	5
292254602	110	100	4	5
292255101	133	120	4	5
292255701	157	150	5	5
292256106	215	200	5	5



Accessories for flat flange vessels.

Cat. No.	DN	Pack Unit
290713407	60	1
290714609	100	1
290715108	120	1
290715708	150	1
290716104	200	1

## Quick Release Clamp

from stainless steel, with retaining clip

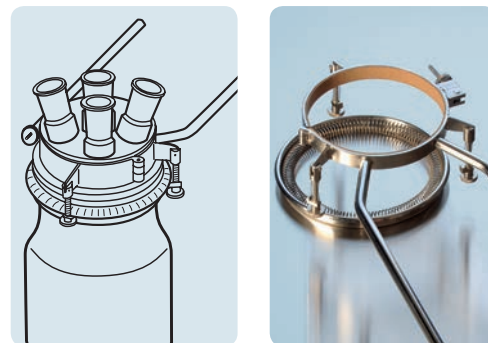


For secure fitting of the lid or the reaction vessel using two clamping rods.

Cat. No.	DN	Pack Unit
290734602	100	1
290735701	150	1

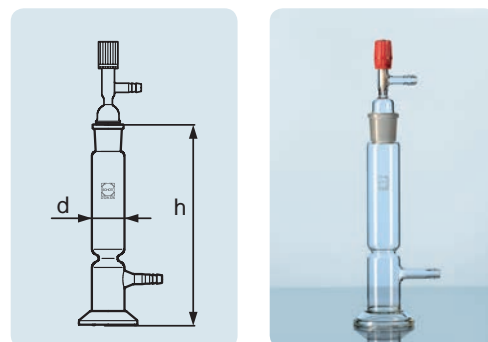
## Holding Device for Reaction Vessels

from chrome-nickel steel



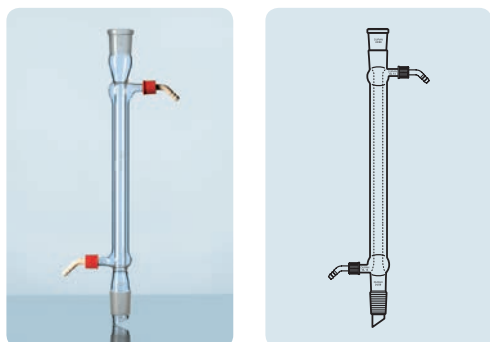
Cat. No.	d (OD) (mm)	h (mm)	Cone (NS)	Pack Unit
215704207	40	240	29/32	1
215704807	54	315	34/35	1

## DURAN® Calcium Chloride Cylinder



## DURAN® Liebig Condenser (West Condenser)

with 2 standard ground joints, and  
2 screw-on plastic hose connections



DIN  
12576

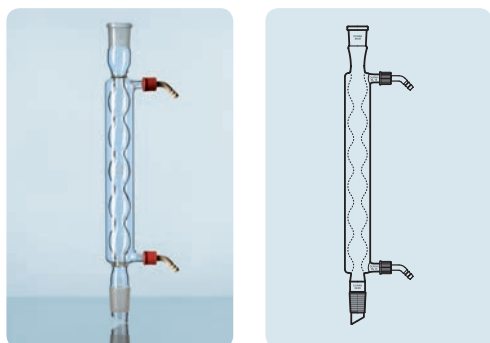
Relatively small heat exchange surface and thus relatively low cooling capacity.

Typical application: product condenser for distillate separations.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
242516107	14	14/23	14/23	160		1
242517009	14	14/23	14/23	250	Special size, non-DIN size.	1
242517103	14	24/29	24/29	250	Special size, non-DIN size.	1
242517206	14	29/32	29/32	250	Special size, non-DIN size.	1
242518108	14	24/29	24/29	400	Special size, non-DIN size.	1
242518202	14	29/32	29/32	400		1

## DURAN® Bulb Condenser (Allihn Condenser)

with 2 standard ground joints, and  
2 screw-on plastic hose connections



DIN  
12576

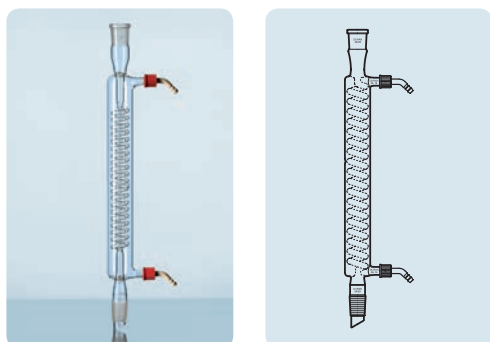
The bulb condenser has a greater cooling surface than the liebig condenser and thus higher cooling capacity.

Typical application: reflux condenser for condensation and feedback of the (solvent) vapour to the reaction mixture.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
242527104	14	24/29	24/29	250	Special size, non-DIN size.	1
242527207	14	29/32	29/32	250	Special size, non-DIN size.	1
242528109	14	24/29	24/29	400	Special size, non-DIN size.	1
242528203	14	29/32	29/32	400		1

## DURAN® Coil Distillate Condenser

with 2 standard ground joints, and  
2 screw-on plastic hose connections



Typical application: product condenser for distillate separations.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Pack Unit
242537105	14	24/29	24/29	300	1
242537208	14	29/32	29/32	300	1

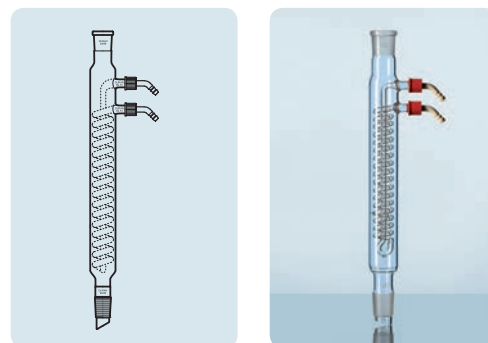
The dimroth condenser comprises a coil condenser located within a tube. This condenser type has a larger heat exchange surface and thus a better cooling effect than the Liebig or Allihn condenser.

Typical applications: product and reflux condenser.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
242546101	14	14/23	14/23	160	Special size, non-DIN size.	1
242547106	14	24/29	24/29	250	Special size, non-DIN size.	1
242547209	14	29/32	29/32	250	Special size, non-DIN size.	1
242548205	14	29/32	29/32	400		1

## DURAN® Dimroth Condenser

with 2 standard ground joints, and  
2 screw-on plastic hose connections



DIN  
12591

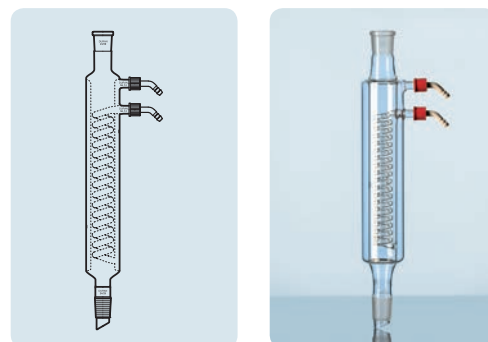
This type of condenser has a very large heat exchange surface due to its coil condenser and double jacket and is thus especially suited to working with low boiling point media.

Typical application: use as a reflux condenser for condensation and feedback of the (solvent) vapour to the reaction mixture.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
242557107	14	24/29	24/29	250	Special size, non-DIN size.	1
242557201	14	29/32	29/32	250	Special size, non-DIN size.	1
242558103	14	24/29	24/29	400	Special size, non-DIN size.	1
242558206	14	29/32	29/32	400	Special size, non-DIN size.	1

## DURAN® Jacketed Coil Condenser

with 2 standard ground joints, and  
2 screw-on plastic hose connections



DIN  
12593

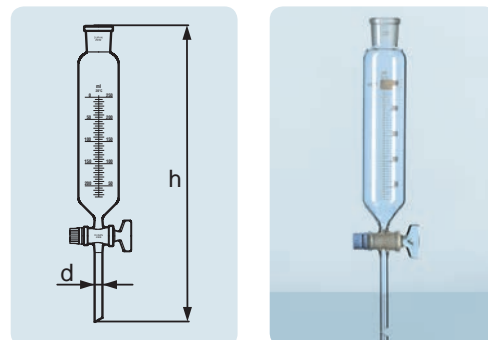
With standard ground stopcock and retaining device.

Typical applications: uniform and metered liquid supply to a reaction mixture. The rate of supply can be adjusted.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Socket size (NS)	Scale (mL)	Standard solid key nominal size (DIN 12541)	Pack Unit
241221704	50	9	279	19/26	1	3 NS	1
241222409	100	9	299	19/26	2	3 NS	1
241223602	250	10	381	29/32	5	4 NS	1
241224401	500	10	431	29/32	10	4 NS	1
241225406	1 000	13	506	29/32	20	6 NS	1

## DURAN® Dropping Funnel

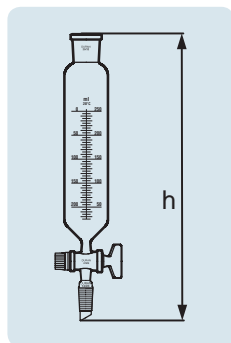
cylindrical, with scale



DIN ISO  
4800

## DURAN® Dropping Funnel

cylindrical, with scale, and ground joint



DIN ISO  
4800

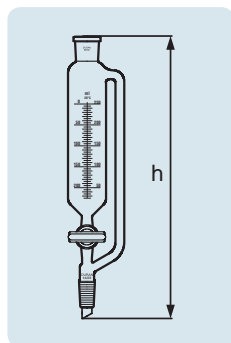
With standard ground joint, standard ground stopcock and retaining device.

Typical application: uniform and metered liquid supply to a reaction mixture. The rate of supply can be adjusted.

Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Cone (NS)	Scale (mL)	Standard solid key nominal size (DIN 12541)	Remark	Pack Unit
241242008	50	220	19/26	14/23	1	3 NS		1
241242505	100	240	19/26	14/23	2	3 NS		1
241242402	100	240	19/26	19/26	2	3 NS		1
241243604	250	320	29/32	24/29	5	4 NS	Special size, non-DIN ISO size.	1
241243707	250	320	29/32	29/32	5	4 NS		1
241244403	500	400	29/32	24/29	10	4 NS	Special size, non-DIN ISO size.	1
241244609	500	400	29/32	29/32	10	4 NS		1
241245605	1 000	480	29/32	29/32	20	6 NS		1

## DURAN® Dropping Funnel

cylindrical, with scale, ground joint and pressure equalisation tube



DIN ISO  
4800

With pressure equalisation tube, standard ground cone, standard ground stopcock and retaining device.

Typical application: uniform and metered liquid supply to a reaction mixture. The rate of supply can be adjusted.

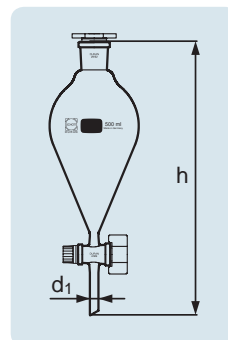
Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Cone (NS)	Scale (mL)	Standard solid key nominal size (DIN 12541)	Remark	Pack Unit
241252009	50	240	19/26	14/23	1	3 NS		1
241252506	100	270	19/26	14/23	2	3 NS		1
241252403	100	270	19/26	19/26	2	3 NS		1
241253605	250	350	29/32	24/29	5	4 NS	Special size, non-DIN ISO size.	1
241253708	250	380	29/32	29/32	5	4 NS		1
241254404	500	430	29/32	24/29	10	4 NS	Special size, non-DIN ISO size.	1
241254601	500	430	29/32	29/32	10	4 NS		1

With standard ground stopcock, retaining device and plastic stopper. The conical shape makes it highly suited for phase separation.

Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Standard solid key nominal size (DIN 12541)	Stem $d_1$ (OD) (mm)	Pack Unit
242941704	50	190	19/26	3 NS	9	1
242942409	100	230	19/26	3 NS	9	1
242943602	250	280	29/32	4 NS	10	1
242944401	500	320	29/32	4 NS	10	1
242945406	1 000	380	29/32	6 NS	13	1
242946308	2 000	430	29/32	6 NS	13	1

## DURAN® Separating Funnel

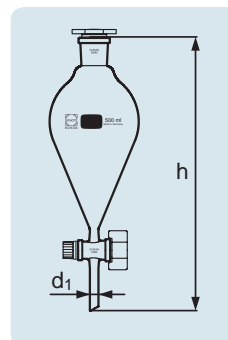
conical shape, with solid key



Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Standard solid key nominal size (DIN 12541)	Stem $d_1$ (OD) (mm)	Pack Unit
1064805	100	230	19/26	3 NS	9	1
1064806	250	280	29/32	4 NS	10	1
1064807	500	320	29/32	4 NS	10	1
1064809	1 000	380	29/32	6 NS	13	1

## DURAN® Separating Funnel

conical shape, with PTFE key



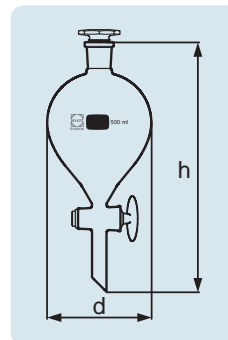
With standard ground stopcock and standard ground stopper.

Typical application: Phase separation.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Stopper size	Pack Unit
242913608	250	90	235	24/20	1
242914407	500	115	276	24/29	1
242915403	1 000	132	295	29/32	1
242916605	2 500	182	370	45/40	1
242917301	5 000	222	425	45/40	1
242918606	10 000	286	490	45/40	1

## DURAN® Separating Funnel

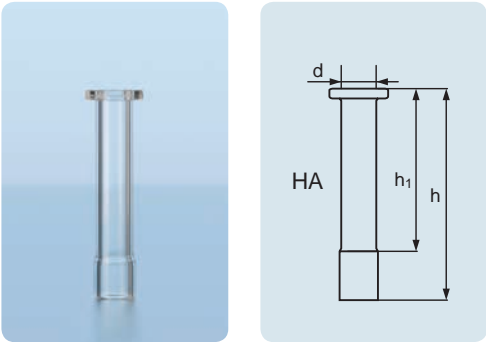
spherical, heavy-duty version





DURAN® KPG® Stirrer Bearing

interchangeable

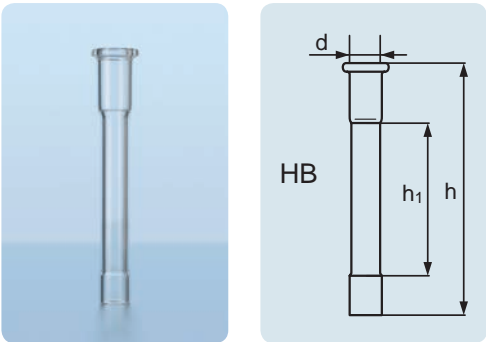


Ground and polished bearing surface.

Cat. No.	Designation	d (OD) (mm)	h (mm)	h <sub>1</sub> (mm)	Pack Unit
245004209	HA 10	10	80	65	1

DURAN® KPG® Stirrer Bearing

interchangeable

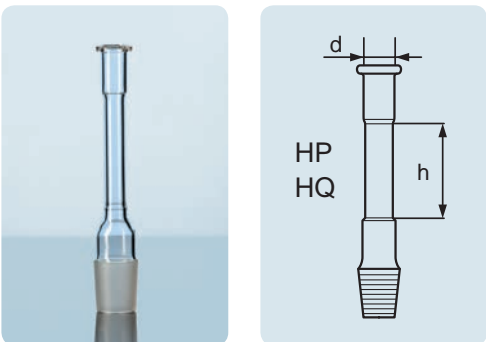


Ground and polished bearing surface.

Cat. No.	Designation	d (OD) (mm)	h (mm)	h <sub>1</sub> (mm)	Pack Unit
245055107	HB 10	10	120	75	1
245065708	HB 16	16	150	90	1

DURAN® KPG® Stirrer Bearing

interchangeable, with standard ground cone



Ground and polished bearing surface, with standard ground cone.

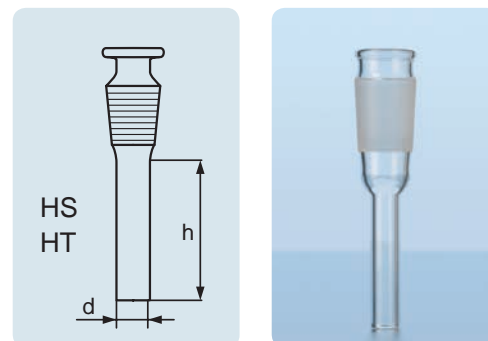
Cat. No.	Designation	d (OD) (mm)	h (mm)	Cone (NS)	Pack Unit
245285603	HQ 10	10	75	29/32	1
245235504	HP 10	10	75	24/29	1

Ground and polished bearing surface, with standard ground cone.

Cat. No.	Designation	d (OD) (mm)	h (mm)	Cone (NS)	Pack Unit
245405103	HT 10	10	65	29/32	1
245415401	HT 16	16	85	29/32	1

## DURAN® KPG® Stirrer Bearing

interchangeable, with standard ground cone

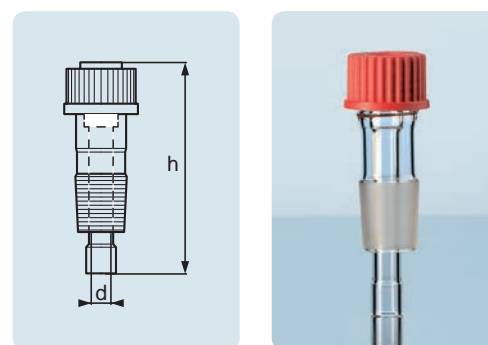


Ground and polished bearing surface, with GL screw thread tube and standard ground cone.

Cat. No.	d (OD) (mm)	h (mm)	DIN Thread (GL)	Cone (NS)	Designation	Pack Unit
247500803	10	75	32	24/29	HB 10	1
247500906	10	75	32	29/32	HB 10	1

## DURAN® KPG® Stirrer Bearing

interchangeable, with standard ground cone and GL screw thread tube

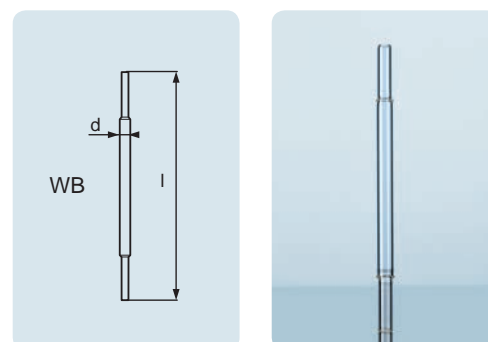


Bearing surface ground and polished.

Cat. No.	Overall length (mm)	Designation	Shaft d (OD) (mm)	Wave l (mm)	Pack Unit
245656409	240	WB 10	10	160	1
245666701	260	WB 16	16	160	1

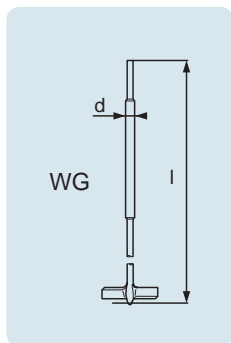
## DURAN® KPG® Stirrer Shaft

interchangeable



## DURAN® KPG® Stirrer Shaft

Ø 10 mm, interchangeable

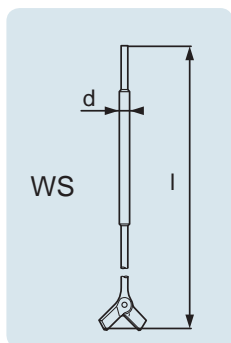


Bearing surface ground and polished.

11,206 mm	Designation	Neck	Overall length (mm)	Shaft d (OD) (mm)	Shaft l (mm)	Pack Unit
245737401	WG 10	60	320	10	160	1
245737701	WG 10	60	370	10	160	1
245738406	WG 10	60	410	10	160	1
245738603	WG 10	60	440	10	160	1

## DURAN® KPG® Stirrer Shaft

Ø 10 mm, interchangeable

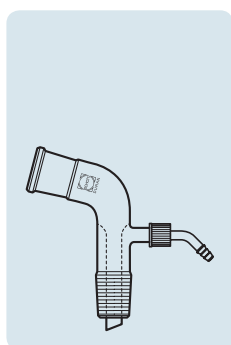


Bearing surface ground and polished.

Cat. No.	Designation	Neck	Overall length (mm)	Shaft d (OD) (mm)	Shaft l (mm)	Pack Unit
245837408	WS 10	25	320	10	160	1
245837708	WS 10	25	370	10	160	1
245838404	WS 10	25	410	10	160	1
245838601	WS 10	25	440	10	160	1

## DURAN® Vacuum Receiver Adapter

bent, with 2 standard ground joints, and screw-on plastic hose connection

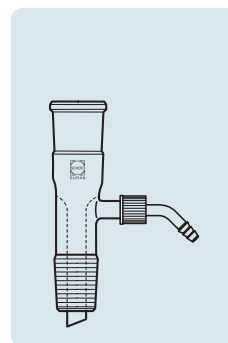


Cat. No.	DIN Thread (GL)	Hose connection d (OD) (mm)	Socket size (NS)	Cone (NS)	Pack Unit
241302105	14	8.6	14/23	14/23	1
241303401	14	8.6	24/29	24/29	1
241304603	14	8.6	29/32	29/32	1

Cat. No.	DIN Thread (GL)	Hose connection d (OD) (mm)	Socket size (NS)	Cone (NS)	Pack Unit
241312106	14	8.6	14/23	14/23	1
241313402	14	8.6	24/29	24/29	1
241314604	14	8.6	29/32	29/32	1

### DURAN® Vacuum Receiver Adapter

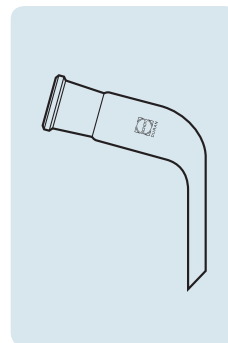
straight, with 2 standard ground joints, and screw-on plastic hose connection



Cat. No.	Socket size (NS)	Pack Unit
243100602	14/23	1
243100808	24/29	1
243100902	29/32	1

### DURAN® Receiver Adapter

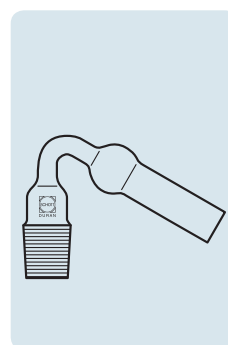
bent, with ground socket



Cat. No.	Cone (NS)	Pack Unit
242620609	14/23	1
242620703	19/26	1
242620806	24/29	1
242620909	29/32	1

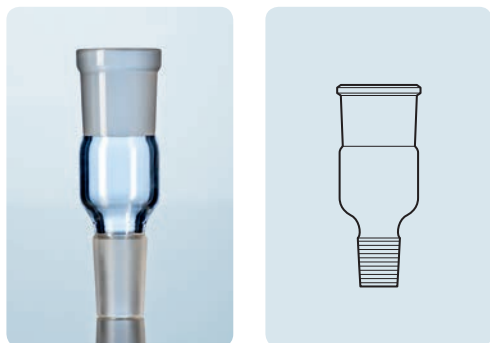
### DURAN® Drying Tube

bent, with standard ground cone



## DURAN® Adapter

with standard ground joint

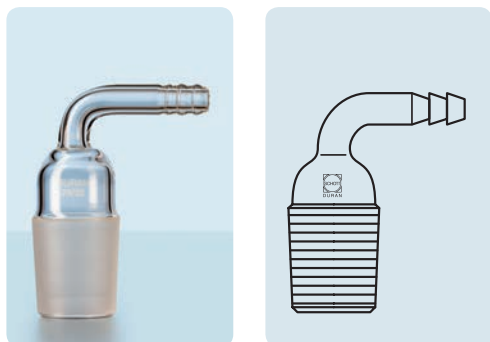


**DIN**  
12257

Cat. No.	Socket size (NS)	Cone (NS)	Remark	Pack Unit
241142207	14/23	19/26		1
241142301	14/23	24/29	Non-DIN size.	1
241142404	14/23	29/32		1
241142601	19/26	14/23		1
241142807	19/26	24/29	Non-DIN size.	1
241142901	19/26	29/32		1
241143203	24/29	14/23	Non-DIN size.	1
241143306	24/29	19/26	Non-DIN size.	1
241143606	24/29	29/32	Non-DIN size.	1
241144208	29/32	14/23		1
241144302	29/32	19/26		1
241144405	29/32	24/29	Non-DIN size.	1

## DURAN® Connection Piece

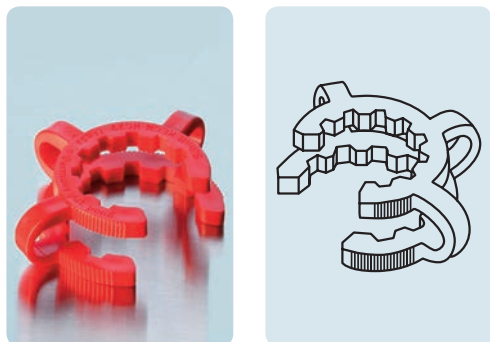
with standard ground cone, 90° angle



Cat. No.	Cone (NS)	Pack Unit
243000604	14/23	1
243000801	24/29	1
243000904	29/32	1

## KECK™ Clip

for conical joints, from POM



**Tmax.**  
90 °C

To secure glass-to-glass joints.

Cat. No.	Colour	Neck	Pack Unit
1091143	green	10	10
1091144	violet	12	10
1090978	yellow	14	10
1090979	blue	19	10
1091140	green	24	10
1091142	red	29	10
1091148	orange	34	10
1091149	yellow	40	10
1091151	brown	45	10

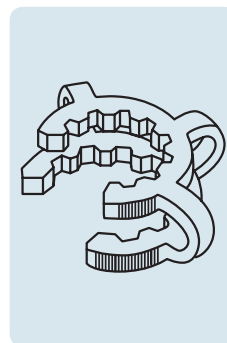


To secure glass-to-glass joints.

Cat. No.	Capacity (mL)	Pack Unit
290310006	2 x KC 14, 2 x KC 19, 1 x KC 29, 1 x KC 10, 1 x KC 24, 1 x KC 34, 1 x KC 45	1

## KECK™ Clip Assortment

for conical joints, from POM



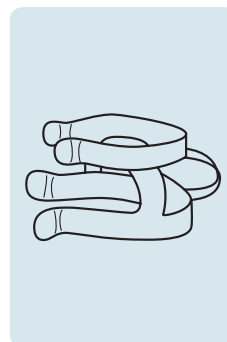
Tmax.  
90 °C

To secure glass-to-glass joints.

Cat. No.	Capacity (mL)	Pack Unit
290330008	2 x KCM 14, 2 x KCM 19, 1 x KCM 29, 1 x KCM 24	1

## KECK™ Clip Assortment

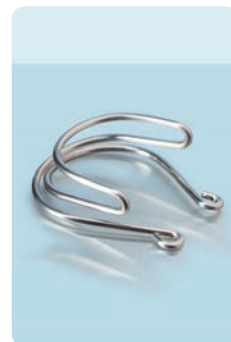
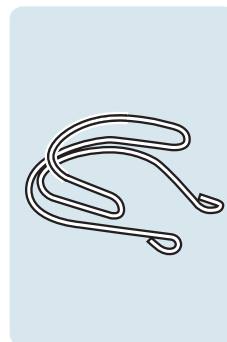
for conical joints, from metal



Cat. No.	For nominal size	Pack Unit
290300202	NS 7	10
290300305	NS 10	10
290300408	NS 12	10
290300605	NS 14	10
290300708	NS 19	10
290300802	NS 24	10
290300905	NS 29	10
290301104	NS 34	10

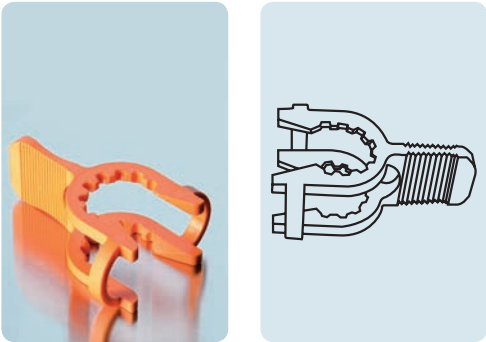
## KECK™ Clip Assortment

for conical joints, from stainless steel  
(1.4310, blank)



KECK™ Clip Assortment

for spherical joints, from POM



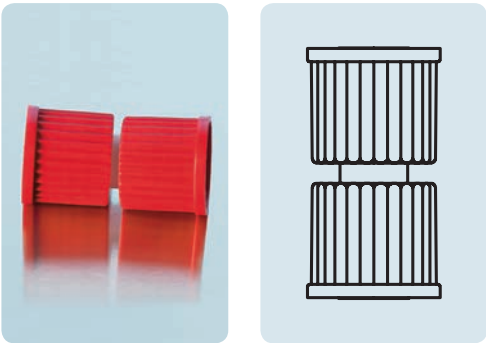
Tmax.  
90 °C

To secure glass-to-glass joints.

Cat. No.	Capacity (mL)	Pack Unit
290320007	2 x KS 13, 2 x KS 19, 1 x KS 29, 1 x KS 35	1

DURAN® Screw Thread Coupling

from PBT



A  
121 °C

Tmax.  
180 °C

For flexible connection of two glass screw-thread connections. With integral silicone seal (VQM).

Cat. No.	DIN Thread (GL)	Pack Unit
292260556	14	1
292260659	18	1
292260959	25	1
292260856	32	1
292261055	45	1

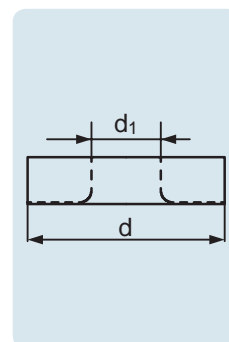
Suitable for PBT screw cap with aperture. Heat resistance: 130 °C (vapour) and 200 °C (dry heat).

Typical application: connecting glass tubes.

Cat. No.	d (OD) (mm)	d <sub>i</sub> (OD) (mm)	DIN Thread (GL)	for tube d (OD) (mm)	Pack Unit
292340606	12	6	14	5.5 – 6.5	10
292350607	16	6	18	5.5 – 6.5	10
292350804	16	8	18	7.5 – 9.0	10
292351003	16	10	18	9.0 – 11.0	10
292370806	22	8	25	7.5 – 9.0	10
292371005	22	10	25	9.0 – 11.0	10
292371202	22	12	25	11.0 – 13.0	10
292361004	29	10	32	9.0 – 11.0	10
292361201	29	12	32	11.0 – 13.0	10
292361407	29	14	32	13.0 – 15.0	10
292361604	29	16	32	15.0 – 17.0	10
292361801	29	18	32	17.0 – 19.0	10
292382602	42	26	45	25.0 – 27.0	10
292383204	42	32	45	31.0 – 33.0	10

## Silicone Sealing Ring VMQ

with bonded PTFE face



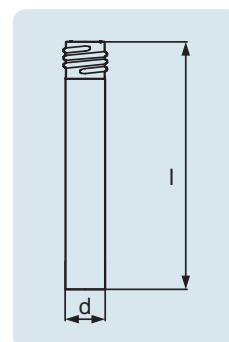
A  
121 °C

Tmax.  
180 °C

Cat. No.	d (OD) (mm)	l (mm)	DIN Thread (GL)	Wall thickness (mm)	Pack Unit
248360207	12	100	14	1.5	10
248370105	16	100	18	1.8	10
248380209	22	100	25	1.8	10
248390107	28	140	32	2	10
248350103	40	170	45	2.3	1

## DURAN® Tube with Screw Thread

with DIN thread



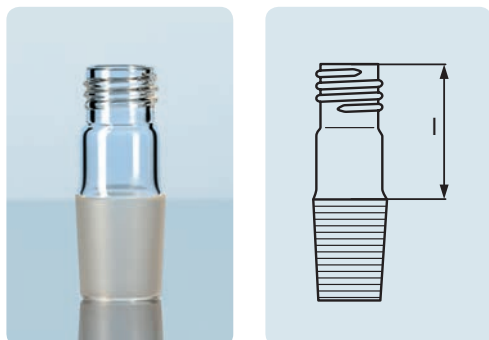
DIN  
12216

A  
121 °C

USP  
Standard

## DURAN® Tube with Screw Thread

with DIN thread, and standard ground cone



DIN  
12257

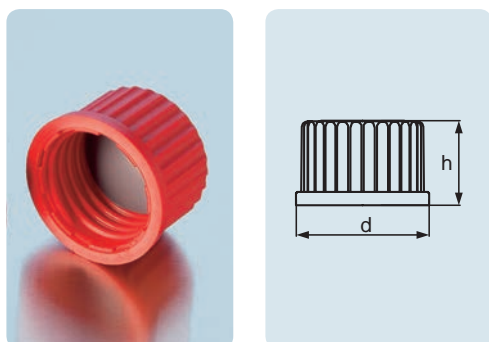
A  
121 °C

USP  
Standard

Cat. No.	l (mm)	DIN Thread (GL)	Cone (NS)	Remark	Pack Unit
248406202	30	14	14/23		10
248407207	35	14	19/26		10
248408203	40	14	24/29	Non-DIN size.	10
248409208	40	14	29/32	Non-DIN size.	10
248416109	35	18	14/23	Non-DIN size.	10
248417105	35	18	19/26		10
248418101	40	18	24/29	Non-DIN size.	10
248419106	40	18	29/32		10
248427209	40	25	19/26	Non-DIN size.	10
248428205	40	25	24/29	Non-DIN size.	10
248429201	40	25	29/32		10
248448104	50	32	24/29	Non-DIN size.	10
248449109	50	32	29/32		10

## DURAN® Screw Cap

from PBT, red



A  
121 °C

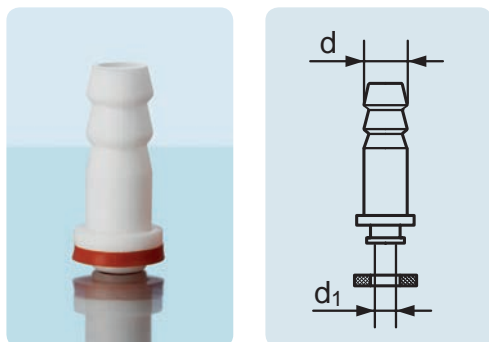
Tmax.  
180 °C

High leak tightness through use of PTFE coated silicone cap liner (peroxide-cured silicone). More chemically resistant than PP cap.

Cat. No.	DIN Thread (GL)	d (OD) (mm)	h (mm)	Pack Unit
292400806	14	20	17	10
292401108	18	23	20	10

## Plastic Hose Connection

straight, from PP



A  
121 °C

Tmax.  
140 °C

With silicone seal (VMQ). Suitable for GL 14 screw cap (Cat. No. 292270508).

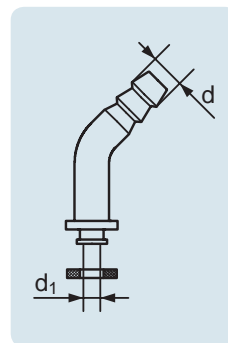
Cat. No.	d (OD) (mm)	d <sub>1</sub> (OD) (mm)	Pack Unit
292550603	8.6	5	10

With silicone seal (VMQ). Suitable for GL 14 screw cap (Cat. No. 292270508).

Cat. No.	d (OD) (mm)	d <sub>1</sub> (OD) (mm)	Pack Unit
292470504	8.6	4	10

## Plastic Hose Connection

bent, from PP



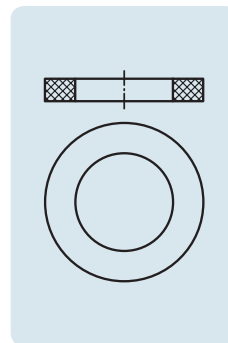
A  
121 °C

Tmax.  
140 °C

For plastic hose connections (Cat. No. 292550603 and 292470504). From silicone (VMQ).

Cat. No.	Material	Pack Unit
292200904	Silicone (VMQ)	10

## Replacement Seal



A  
121 °C

Tmax.  
140 °C