

## **Einhalskolben**

Flasks (single neck)

### **Mittelhalsrundkolben, NS 14/23, Boro 3.3**

Flasks, round bottom, medium neck, NS 14/23

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0014.10	5
3.0014.13	10
3.0014.22	25
3.0014.28	50
3.0014.37	100
3.0014.49	250

### **Mittelhalsrundkolben, NS 19/26, Boro 3.3**

Flasks, round bottom, medium neck, NS 19/26

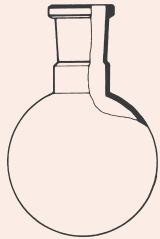
Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0019.22	25
3.0019.28	50
3.0019.37	100
3.0019.49	250
3.0019.58	500



### **Mittelhalsrundkolben, NS 24/29, Boro 3.3**

Flasks, round bottom, medium neck, NS 24/29

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0024.28	50
3.0024.37	100
3.0024.49	250
3.0024.58	500
3.0024.70	1000
3.0024.73	2000



### Mittelhalsrundkolben, NS 29/32, Boro 3.3

Flasks, round bottom, medium neck, NS 29/32

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0029.28	50
3.0029.37	100
3.0029.49	250
3.0029.58	500
3.0029.70	1000
3.0029.73	2000
3.0029.76	3000
3.0029.79	4000
3.0029.82	5000
3.0029.85	6000
3.0029.88	10000
3.0029.94	20000



### Mittelhalsrundkolben, NS 29/32, Boro 3.3, braun

Flasks, round bottom, medium neck, NS 29/32, amber

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0031.37	100
3.0031.49	250
3.0031.58	500
3.0031.70	1000



### Mittelhalsrundkolben, NS 34/35, Boro 3.3

Flasks, round bottom, medium neck, NS 34/35

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0034.49	250
3.0034.58	500
3.0034.70	1000
3.0034.73	2000
3.0034.76	3000
3.0034.79	4000
3.0034.82	5000
3.0034.85	6000

**Mittelhalsrundkolben, NS 45/40, Boro 3.3**

Flasks, round bottom, medium neck, NS 45/40

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0045.49	250
3.0045.58	500
3.0045.70	1000
3.0045.73	2000
3.0045.76	3000
3.0045.79	4000
3.0045.82	5000
3.0045.85	6000
3.0045.88	10000
3.0045.94	20000

**Mittelhalsstehkolben, NS 19/26, Boro 3.3**

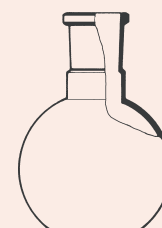
Flasks, flat bottom, medium neck, NS 19/26

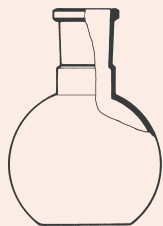
Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0119.28	50
3.0119.37	100
3.0119.49	250
3.0119.58	500

**Mittelhalsstehkolben, NS 24/29, Boro 3.3**

Flasks, flat bottom, medium neck, NS 24/29

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0124.28	50
3.0124.37	100
3.0124.49	250
3.0124.58	500
3.0124.70	1000
3.0124.73	2000

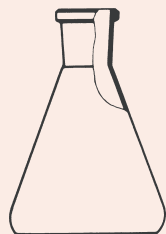




### Mittelhalbstehkolben, NS 29/32, Boro 3.3

Flasks, flat bottom, medium neck, NS 29/32

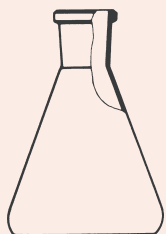
Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0129.28	50
3.0129.37	100
3.0129.49	250
3.0129.58	500
3.0129.70	1000
3.0129.73	2000



### Erlenmeyerkolben, NS 14/23, Boro 3.3

Erlenmeyer flasks, NS 14/23

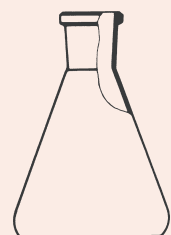
Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0214.13	10
3.0214.22	25
3.0214.28	50
3.0214.37	100



### Erlenmeyerkolben, NS 19/26, Boro 3.3

Erlenmeyer flasks, NS 19/26

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0219.22	25
3.0219.28	50
3.0219.37	100
3.0219.46	200
3.0219.49	250
3.0219.52	300
3.0219.58	500



### Erlenmeyerkolben, NS 24/29, Boro 3.3

Erlenmeyer flasks, NS 24/29

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0224.28	50
3.0224.37	100
3.0224.46	200
3.0224.49	250
3.0224.52	300
3.0224.58	500
3.0224.70	1000
3.0224.73	2000

**Erlenmeyerkolben, NS 29/32, Boro 3.3**

Erlenmeyer flasks, NS 29/32

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0229.28	50
3.0229.37	100
3.0229.46	200
3.0229.49	250
3.0229.52	300
3.0229.58	500
3.0229.70	1000
3.0229.73	2000

**Erlenmeyerkolben, NS 45/40, Boro 3.3**

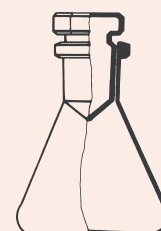
Erlenmeyer flasks, NS 45/40

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0245.46	200
3.0245.49	250
3.0245.52	300
3.0245.58	500
3.0245.70	1000
3.0245.73	2000
3.0245.76	3000
3.0245.82	5000

**Jodzahlkolben ohne Kragen, mit Hohlstopfen, NS 29/32, Boro 3.3**

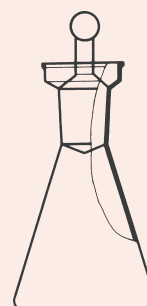
Iodine determination flasks, without collar and hollow stopper, NS 29/32

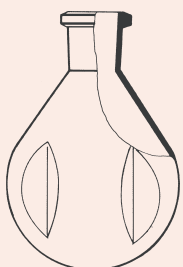
Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0260.37	100
3.0260.49	250
3.0260.52	300
3.0260.58	500
3.0260.70	1000

**Jodzahlkolben mit Kragen, mit Griffstopfen, NS 29/32, Boro 3.3**

Iodine determination flasks, with collar and iodine stopper, NS 29/32

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0262.37	100
3.0262.49	250
3.0262.58	500





### Einhals-Spitzkolben, NS 14/23, Boro 3.3

Flasks, pear shaped, one neck, NS 14/23

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0314.10	5
3.0314.13	10
3.0314.22	25
3.0314.28	50
3.0314.37	100
3.0314.49	250

### Einhals-Spitzkolben, NS 19/26, Boro 3.3

Flasks, pear shaped, one neck, NS 19/26

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0319.22	25
3.0319.28	50
3.0319.37	100
3.0319.49	250

### Birnenkolben, zentriert, NS 29/32, Boro 3.3

Flasks, pear shaped, centered, NS 29/32

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0429.28	50
3.0429.37	100
3.0429.49	250
3.0429.58	500
3.0429.70	1000
3.0429.73	2000
3.0429.76	3000

### Pulverkolben, NS 29/32, Boro 3.3

Powder flasks, NS 29/32

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0430.37	100
3.0430.49	250
3.0430.58	500
3.0430.70	1000
3.0430.73	2000

## Kjeldahlkolben, Boro 3.3

Kjeldahl-flasks

Best.-Nr. Cat.-No.	NS size	Inhalt ml Capacity ml
3.0514.28	14/23	50
3.0514.37	14/23	100
3.0519.28	19/26	50
3.0519.37	19/26	100
3.0529.49	29/32	250
3.0529.58	29/32	500
3.0529.64	29/32	750
3.0529.70	29/32	1000



## Auffangkolben, Kugelschliff S 35, Boro 3.3

Receiving flasks, spherical joint S 35

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml
3.0635.37	100
3.0635.49	250
3.0635.58	500
3.0635.70	1000
3.0635.73	2000



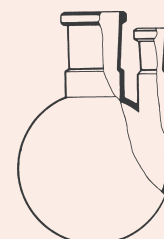
## Mehrhalskolben

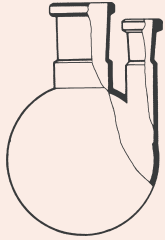
Flasks (multiple neck)

### Zweihalsrundkolben, Seitenhals gerade, Boro 3.3

Flasks, round bottom, two necks, parallel

Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhals NS Side neck	Inhalt ml Capacity ml
3.2031.37	24/29	14/23	100
3.2031.49	24/29	14/23	250
3.2031.58	24/29	14/23	500
3.2031.70	24/29	14/23	1000
3.2032.37	24/29	19/26	100
3.2032.49	24/29	19/26	250
3.2032.58	24/29	19/26	500
3.2032.70	24/29	19/26	1000





### Zweihalsrundkolben, Seitenhals gerade, Boro 3.3

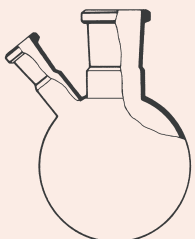
Flasks, round bottom, two necks, parallel

Best.-Nr. Cat.-No.	Haupthals NS Center neck	Seitenhals NS Side neck	Inhalt ml Capacity ml
3.2041.37	29/32	14/23	100
3.2041.49	29/32	14/23	250
3.2041.58	29/32	14/23	500
3.2041.70	29/32	14/23	1000
3.2041.73	29/32	14/23	2000
3.2042.37	29/32	19/26	100
3.2042.49	29/32	19/26	250
3.2042.58	29/32	19/26	500
3.2042.70	29/32	19/26	1000
3.2042.73	29/32	19/26	2000
3.2044.37	29/32	29/32	100
3.2044.49	29/32	29/32	250
3.2044.58	29/32	29/32	500
3.2044.70	29/32	29/32	1000
3.2044.73	29/32	29/32	2000
3.2044.79	29/32	29/32	4000

### Zweihalsrundkolben, Seitenhals schräg, Boro 3.3

Flasks, round bottom, two necks, angled

Best.-Nr. Cat.-No.	Haupthals NS Center neck	Seitenhals NS Side neck	Inhalt ml Capacity ml
3.2111.22	14/23	14/23	25
3.2111.28	14/23	14/23	50
3.2111.37	14/23	14/23	100
3.2111.49	14/23	14/23	250
3.2131.37	24/29	14/23	100
3.2131.49	24/29	14/23	250
3.2131.58	24/29	14/23	500
3.2132.37	24/29	19/26	100
3.2132.49	24/29	19/26	250
3.2132.58	24/29	19/26	500
3.2132.70	24/29	19/26	1000

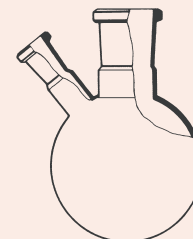




### Zweihalsrundkolben, Seitenhals schräg, Boro 3.3

Flasks, round bottom, two necks, angled

Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhals NS Side neck	Inhalt ml Capacity ml
3.2141.37	29/32	14/23	100
3.2141.49	29/32	14/23	250
3.2141.58	29/32	14/23	500
3.2141.70	29/32	14/23	1000
3.2141.73	29/32	14/23	2000
3.2142.37	29/32	19/26	100
3.2142.49	29/32	19/26	250
3.2142.58	29/32	19/26	500
3.2142.70	29/32	19/26	1000
3.2142.73	29/32	19/26	2000
3.2144.37	29/32	29/32	100
3.2144.49	29/32	29/32	250
3.2144.58	29/32	29/32	500
3.2144.70	29/32	29/32	1000
3.2144.73	29/32	29/32	2000
3.2144.79	29/32	29/32	4000



### Zweihalsspitzkolben mit schrägem Seitenhals, Boro 3.3

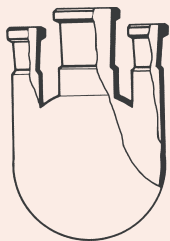
Flasks, pear shaped, two necks

Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhals NS Side neck	Inhalt ml Capacity ml
3.2211.22	14/23	14/23	25
3.2211.28	14/23	14/23	50
3.2211.37	14/23	14/23	100
3.2211.49	14/23	14/23	250
3.2221.22	19/26	14/23	25
3.2221.28	19/26	14/23	50
3.2221.37	19/26	14/23	100
3.2221.49	19/26	14/23	250



**Drehalsrundkolben mit 2 geraden Seitenhälsen, Boro 3.3**

Flasks, round bottom, with center neck and 2 parallel side necks

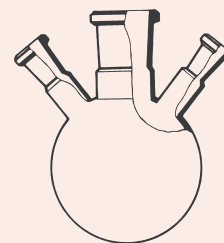


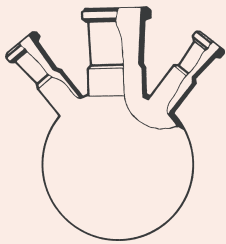
Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhäse NS Side necks	Inhalt ml Capacity ml
3.3032.37	24/29	19/26	100
3.3032.49	24/29	19/26	250
3.3032.58	24/29	19/26	500
3.3032.70	24/29	19/26	1000
3.3032.73	24/29	19/26	2000
3.3041.37	29/32	14/23	100
3.3041.49	29/32	14/23	250
3.3041.58	29/32	14/23	500
3.3041.70	29/32	14/23	1000
3.3041.73	29/32	14/23	2000
3.3041.76	29/32	14/23	3000
3.3041.79	29/32	14/23	4000
3.3041.85	29/32	14/23	6000
3.3042.37	29/32	19/26	100
3.3042.49	29/32	19/26	250
3.3042.58	29/32	19/26	500
3.3042.70	29/32	19/26	1000
3.3042.73	29/32	19/26	2000
3.3044.37	29/32	29/32	100
3.3044.49	29/32	29/32	250
3.3044.58	29/32	29/32	500
3.3044.70	29/32	29/32	1000
3.3044.73	29/32	29/32	2000
3.3044.76	29/32	29/32	3000
3.3044.79	29/32	29/32	4000
3.3044.82	29/32	29/32	5000
3.3044.85	29/32	29/32	6000
3.3044.88	29/32	29/32	10000
3.3054.70	45/40	29/32	1000
3.3054.73	45/40	29/32	2000
3.3054.76	45/40	29/32	3000
3.3054.79	45/40	29/32	4000
3.3054.82	45/40	29/32	5000
3.3054.85	45/40	29/32	6000
3.3054.88	45/40	29/32	10000
3.3054.94	45/40	29/32	20000

### Dreihalsrundkolben mit 2 schrägen Seitenhälsen, Boro 3.3

Flasks, round bottom, with center neck and 2 angled side necks

Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhäse NS Side necks	Inhalt ml Capacity ml
3.3111.28	14/23	14/23	50
3.3111.37	14/23	14/23	100
3.3131.37	24/29	14/23	100
3.3131.49	24/29	14/23	250
3.3131.58	24/29	14/23	500
3.3131.70	24/29	14/23	1000
3.3132.37	24/29	19/26	100
3.3132.49	24/29	19/26	250
3.3132.58	24/29	19/26	500
3.3132.70	24/29	19/26	1000
3.3132.73	24/29	19/26	2000
3.3141.37	29/32	14/23	100
3.3141.49	29/32	14/23	250
3.3141.58	29/32	14/23	500
3.3141.70	29/32	14/23	1000
3.3141.73	29/32	14/23	2000
3.3141.76	29/32	14/23	3000
3.3141.79	29/32	14/23	4000
3.3141.85	29/32	14/23	6000
3.3142.37	29/32	19/26	100
3.3142.49	29/32	19/26	250
3.3142.58	29/32	19/26	500
3.3142.70	29/32	19/26	1000
3.3142.73	29/32	19/26	2000
3.3144.37	29/32	29/32	100
3.3144.49	29/32	29/32	250
3.3144.58	29/32	29/32	500
3.3144.70	29/32	29/32	1000
3.3144.73	29/32	29/32	2000
3.3144.76	29/32	29/32	3000
3.3144.79	29/32	29/32	4000
3.3144.82	29/32	29/32	5000
3.3144.85	29/32	29/32	6000
3.3144.88	29/32	29/32	10000





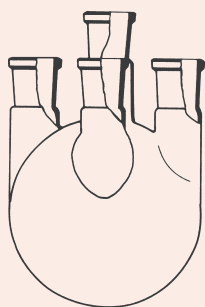
### Dreihalsrundkolben mit 2 schrägen Seitenhälsen, Boro 3.3

Flasks, round bottom, with center neck and 2 angled side necks

Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhalse NS Side necks	Inhalt ml Capacity ml
3.3154.70	45/40	29/32	1000
3.3154.73	45/40	29/32	2000
3.3154.76	45/40	29/32	3000
3.3154.79	45/40	29/32	4000
3.3154.82	45/40	29/32	5000
3.3154.85	45/40	29/32	6000
3.3154.88	45/40	29/32	10000
3.3154.94	45/40	29/32	20000

### Vierhalsrundkolben mit 3 geraden Seitenhälsen, Boro 3.3

Flasks, round bottom, with 3 parallele side necks

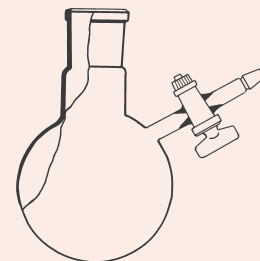


Best.-Nr. Cat.-No.	Haupt Hals NS Center neck	Seitenhalse NS Side necks	Inhalt ml Capacity ml
3.3442.49	29/32	19/26	250
3.3442.58	29/32	19/26	500
3.3442.70	29/32	19/26	1000
3.3442.73	29/32	19/26	2000
3.3444.58	29/32	29/32	500
3.3444.70	29/32	29/32	1000
3.3444.73	29/32	29/32	2000
3.3444.76	29/32	29/32	3000
3.3444.79	29/32	29/32	4000
3.3444.85	29/32	29/32	6000
3.3454.70	45/40	29/32	1000
3.3454.73	45/40	29/32	2000
3.3454.76	45/40	29/32	3000
3.3454.79	45/40	29/32	4000
3.3454.82	45/40	29/32	5000
3.3454.85	45/40	29/32	6000

### Stickstoff-Rundkolben (Schlenkkolben), Boro 3.3

Nitrogen round bottom flasks

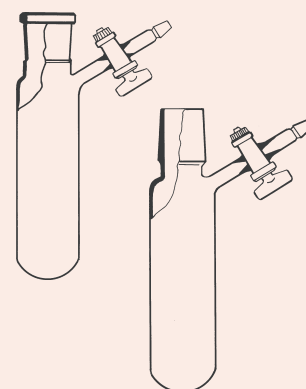
Best.-Nr. Cat.-No.	NS Size	Inhalt ml Capacity ml	NS-Hahn mm stopcock mm
3.3601.22	14/23	25	2,5
3.3601.28	14/23	50	2,5
3.3601.37	14/23	100	2,5
3.3601.49	14/23	250	2,5
3.3604.28	29/32	50	2,5
3.3604.37	29/32	100	2,5
3.3604.49	29/32	250	2,5
3.3604.58	29/32	500	2,5
3.3604.70	29/32	1000	2,5



### Stickstoff-Vorlagen (Schlenkrohre), Boro 3.3

Nitrogen tubes

Best.-Nr. Cat.-No.	NS Size		Inhalt ml Capacity ml	NS-Hahn mm stopcock mm
3.3701.13	14/23	Hülse	10	1,5
3.3701.22	14/23	Hülse	25	2,5
3.3701.28	14/23	Hülse	50	2,5
3.3701.37	14/23	Hülse	100	2,5
3.3701.49	14/23	Hülse	250	2,5
3.3702.13	14/23	Kern	10	1,5
3.3702.22	14/23	Kern	25	2,5
3.3702.28	14/23	Kern	50	2,5
3.3702.37	14/23	Kern	100	2,5
3.3702.49	14/23	Kern	250	2,5



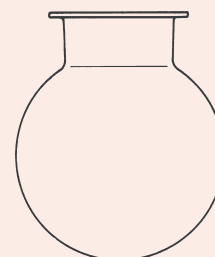
### Reaktionsgefäße / Aufsätze

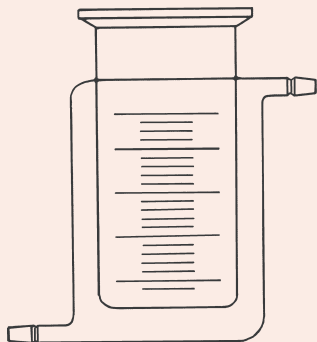
Reaction Vessels / Lid Adapters

### Planschliff-Rundkolben, Flansch mit Nut, Boro 3.3

Flasks, round bottom, flat flange, flange with groove

Best.-Nr. Cat.-No.	Inhalt ml Capac. ml	DN DN	Flansch Øa. mm Flange O.D. mm	Kolben Ø mm Flasks O.D mm	Höhe mm Height mm
3.4110.73	2000	100	138	165	215
3.4110.79	4000	100	138	206	265
3.4110.85	6000	100	138	236	295
3.4110.88	10000	100	138	280	340
3.4110.94	20000	100	138	350	410



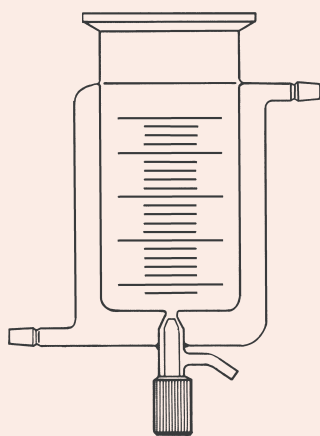


### Reaktionsgefäße mit Temperiermantel, graduert, Flansch mit Rille

Thermostatic reaction vessels, graduated, flange with groove

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml	DN DN	Außen Ø mm Outer O.D. mm	Innen Ø mm Inner O.D mm	Höhe mm Height mm
3.4300.37	100	60	90	60	140
3.4300.49	250	60	90	60	140
3.4300.58	500	60	90	60	280
3.4310.58	500	100	130	100	230
3.4310.70	1000	100	130	100	260
3.4310.73	2000	100	130	100	390
3.4310.79	4000	100	130	100	400
3.4315.73	2000	150	190	150	250
3.4315.79	4000	150	190	150	370
3.4315.82	5000	150	190	150	420
3.4315.85	6000	150	190	150	480

Sonderanfertigungen nach Zeichnung möglich



### Reaktionsgefäße mit Temperiermantel und Entleerungsventil, graduert, Flansch mit Rille

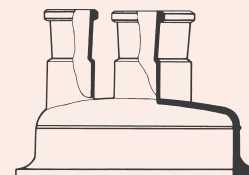
Thermostatic reaction vessels with withdrawal valve, graduated, flange with groove

Best.-Nr. Cat.-No.	Inhalt ml Capacity ml	DN DN	Außen Ø mm Outer O.D. mm	Innen Ø mm Inner O.D mm	Höhe mm Height mm
3.4400.37	100	60	90	60	160
3.4400.49	250	60	90	60	210
3.4400.58	500	60	90	60	350
3.4410.58	500	100	130	100	290
3.4410.70	1000	100	130	100	320
3.4410.73	2000	100	130	100	450
3.4410.79	4000	100	130	100	420
3.4415.73	2000	150	190	150	330
3.4415.79	4000	150	190	150	440
3.4415.82	5000	150	190	150	500
3.4415.85	6000	150	190	150	550

### Planschliff-Deckel, 4 Hälse, Boro 3.3

Lids, flat flange, 4 standard ground necks

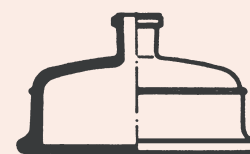
Best.-Nr. Cat.-No.	DN DN	Flansch Øa.mm Flange O.D. mm	Höhe mm Height mm socket size	Mittelhals NS Centre socket size	Seitenhülse NS Side socket sizes
3.4500.06	60	100	85	29/32	2 x NS 19/26 schräg/angled 1 x NS 14/23 schräg/angled
3.4501.10	100	138	125	29/32	3 x NS 29/32 schräg/angled
3.4502.10	100	138	125	29/32	2 x NS 29/32 schräg/angled 1 x NS 14/23 gerade/parallel
3.4503.15	150	184	130	29/32	3 x NS 29/32 gerade/parallel
3.4504.15	150	184	130	29/32	3 x NS 29/32 schräg/angled
3.4505.15	150	184	130	29/32	2 x NS 29/32 schräg/angled 1 x NS 14/23 gerade/parallel
3.4506.15	150	184	135	29/32	3 x NS 29/32 schräg/angled



### Planschliff-Deckel, nur mit Mittelhals, Boro 3.3

Lid, flat flange, with centre neck only

Best.-Nr. Cat.-No.	DN DN	Flansch Ø mm Flange O.D. mm width	Höhe mm Height mm	Mittelhals NS Centre socket size
3.4520.15	150	184	102	29/32



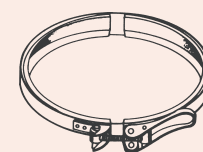
### Zubehör

Accessories

#### Schnellverschlüsse aus Metall

Quick release clamps in metal

Best.-Nr. Cat.-No.	DN DN
3.4600.06	60
3.4600.10	100
3.4600.15	150



#### O-Ringe aus Silikon

O-Rings in silicone rubber

Best.-Nr. Cat.-No.	DN DN
3.4700.06	60
3.4700.10	100
3.4700.15	150

