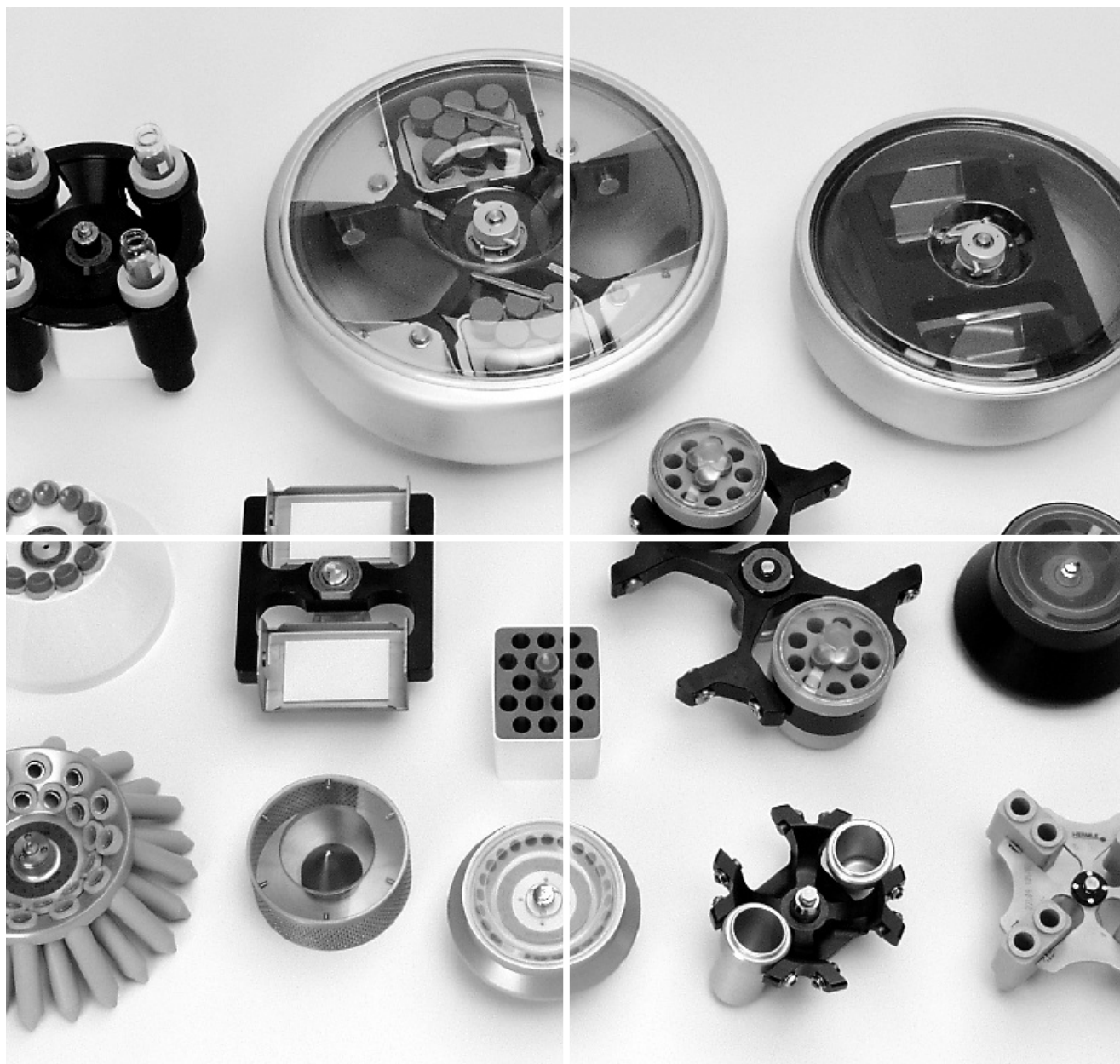
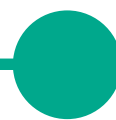


# HERMLE

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## LABORTECHNIK



Accessories Z 513 ■ Z 513 K

# Accessories



- Maximum volume 4000 ml (4 x 1000 ml)
- Spin many tubes at once (e. g. 120 x 15 ml)
- Aerosol tight buckets
- Rotors for oil analysis according to ASTM

- High speed rotors for microtiter - and deepwell - plates
- Hermetically sealable angle rotors
- Special accessories possible by request

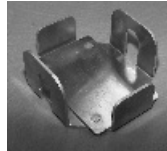
## Rotor/Bucket



Acceleration time in sec.: 34  
Deceleration time in sec: 36/195  
Speed max.: 4000 rpm  
RCF-value max.: 4239 x g  
Centrifugal radius: 23,7 cm  
Temp. at max. Speed: + 12°C

Swing out rotor, 6 places  
Order No.: 221.11 V01

Carrier: 625.020

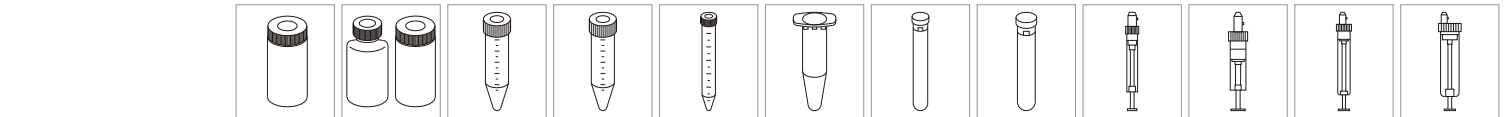


Acceleration time in sec.: 28  
Deceleration time in sec: 33/182  
Speed max.: 4000 rpm  
RCF-value max.: 4203 x g  
Centrifugal radius: 23,5 cm  
Temp. at max. Speed: + 12°C

Cover: 625.100



Volume	Vacutainer						Sarstedt					
	500 ml	250 ml	50 ml	50 ml <sup>1</sup>	15 ml	1,5/2,0 ml	5 ml	8 ml	2 - 4 ml	3,2 - 6 ml	9 - 12 ml	25 ml
Tubes Ø in mm	80	62	28,5	28,5	16	11	13	16,5	12,5	16	17	26



Length min./max. [mm]	126	110/130	120	120	120	42	65/82	95/105	70/128	60/122	90/122	95/108
Tubes per rotor [pcs.]	6	6	30	42	72	150	132	114	114	78	84	42
Radius correction in cm	0,9	0,8	0,2	0,5	0,2	5,8	4,0	1,7	0,3	0,5	0,3	0,3
Order No.: Tube rack	625.004	625.003	625.002	625.001	625.000	625.013	625.009	625.010	625.008	625.007	625.006	625.005

<sup>1</sup> Bucket not sealable



Acceleration time in sec.: 28  
Deceleration time in sec.: 45/290  
Speed max. : 6000 rpm  
RCF-value max.: 6391 x g  
Radius: 15,9 cm  
Loading height max.: 83 mm  
Loading weight max.: 500 g

Swing out rotor 4 x 250 ml  
Order No.: 221.06 V01

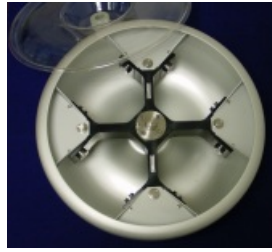


Order no.: 624.000  
Spare bucket



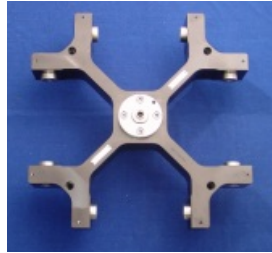
Order no.: 724.000  
Spare removal aid

# Rotor/Bucket



Acceleration time in sec.: 99  
Deceleration time in sec.: 179/731  
Speed max.: 5000 rpm/4500 rpm\*

Swing out rotor 4 x 750 ml  
Order No.: 220.70 V06



Acceleration time in sec.: 59  
Deceleration time in sec.: 134/294  
Speed max.: 3600 rpm/3000 rpm\*

Swing out rotor 4 x 1000 ml  
Order No.: 220.70 V05

Rectangular bucket: 614.000



Speed max.:  
RCF-value max.:  
Radius:  
Radiuscorrection:  
Temp. At max. speed:

220.70 V06

5000 rpm/4500 rpm\*  
5450 x g / 4414 x g\*  
19,5 cm  
2,5 cm  
8°C

220.70 V05

3600 rpm/3000 rpm\*  
2826 x g/1962 x g\*  
19,5 cm  
3,7 cm  
8°C

Microtitre plates carrier: 614.040



Speed max.:  
RCF-value max.:  
Radius:  
Radiuscorrection:  
Temp. At max. speed:

3000 rpm  
1900 x g  
18,9 cm  
3,1 cm  
2°C

3000 rpm  
1900 x g  
18,9 cm  
4,3 cm  
2°C

Round bucket: 616.065 - 750 ml  
hermetically tight



Speed max.:  
RCF-value max.:  
Radius:  
Radiuscorrection:  
Temp. At max. speed:

4500 rpm  
4799 x g  
21,2 cm  
0,8 cm  
8°C

3600 rpm/3000 rpm\*  
3071 x g/2133 x g\*  
21,2 cm  
2,0 cm  
8°C

Round bucket: 616.060 - 1000 ml  
hermetically tight



Speed max.:  
RCF-value max.:  
Radius:  
Radiuscorrection:  
Temp. At max. speed:

3600 rpm/3000 rpm\*  
3361 x g/2334 x g\*  
23,2 cm  
0,0 cm  
10°C

\* for 120 V Version

Volume	400 ml Blood bag	1000 ml	750 ml	500 ml	250 ml	250 ml	100 ml	50 ml Glass	50 ml Falcon	50 ml Plastic
Tubes Ø in [mm]		98	98	69,4	61,7	63	41	34	29	29
Length min./max. [mm]					94/125		87/132	87/120	116	89/126
Tubes per rotor [psc.]					8		16	24	32	32
Radius correction in cm					0,3		0,6	0,6	0,3	0,4
Order no.: Tube rack for rectangular bucket					714.003		714.004	714.005	714.007	714.006
Length min./max. [mm]		172	142							
Tubes per rotor [pcs.]	4	4	4	4	4	4	12		20	28
Order no.: Tube rack for round bucket	716.045 *1	direct *1	direct *2	716.026	716.024	716.025	716.023		716.022	716.021
Volume	30 ml	15 ml Falcon	15 ml	7 ml	7 ml					
Tubes Ø in [mm]	26	17	17	16,5	13,5					
Length min./max. [mm]	87/120	122	87/119		70/118					
Tubes per rotor [pcs.]	48	68	120		192					
Radius correction in cm	0,6	0,6	0,6		0,6					
Order no.: Tube rack for rectangular bucket	714.008	714.010	714.009		714.011					
Length min./max. [mm]										
Tubes per rotor [pcs.]	32	48	72	84	128					
Order no.: Tube rack for round bucket	716.020	716.019	716.018	716.015	716.016					

\*1 in bucket 616.060

\*2 in bucket 616.060 and 616.065

## Rotor/Bucket

## Adapter



Swing out rotor, 4 places  
incl. Round buckets  
Order No.: 220.41 V04  
Acceleration time in Sec.: 17  
Deceleration time in sec.: 17/91  
RCF-value: 1006 x g  
Temp. At max. speed: -5°C



Spare bucket  
Order No.: 617.005  
Speed: 2000 rpm  
RCF-value: 1006 x g  
Radius: 22,5 cm  
Radius correction: 0,0 cm



Conical oil test tube according to ASTM  
Order No.: 45.5029



Felt cushion for conical oil test tube  
Order No.: 717.005



Pear-shaped oil test tube  
Order No.: 45.5030



Felt cushion for pear-shaped oil test tube  
Order No.: 717.010

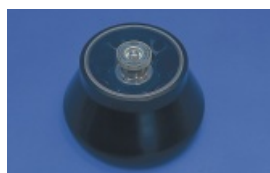


6 x 85 ml  
Order No.: 220.78 V02

hermetically sealed  
Order No.: 220.78 V 03

Acceleration time in sec.: 58  
Deceleration time in sec.: 237/1039  
Speed max. : 12000 rpm  
RCF-value: 16904 x g  
Radius: 10,5 cm  
Temp. At max. speed: +5°C

Order No.:	Tube racket:	Ø (mm):	Length (min./max.):
707.000	2 x 15 ml	17	100
707.001	1 x 15 ml	17	103/110
707.002	1 x 30 ml	25	90/103
707.003	1 x 50 ml	29	105
707.004	1 x 50 ml-Falcon	29	118
707.003 +			
708.001	1 x 30 ml-Glas	25	105
707.003 +			
708.000	1 x 15 ml-Glas	17	100/105
without adapter	1 x 85 ml	38	113



8 x 50 ml  
Order No.: 220.80 V02

hermetically sealed  
Order No.: 220.80 V03

Acceleration time in sec.: 51  
Deceleration time in sec.: 169/772  
Speed max. : 12000 rpm  
RCF-value: 15294 x g  
Radius: 9,5 cm  
Temp. at max. speed: 2°C

Order No.:	Tube racket:	Ø (mm):	Length (min./max.):
708.000	1 x 15 ml-glas	17	100
708.004	1 x 15 ml	17	100/105
708.003	1 x 16 ml	18	100/105
708.002	1 x 30 ml	25	92/95
708.001	1 x 30 ml-glas	25	105
without adapter	1 x 50 ml	29	105

## Safety-Chassis

### Safety-Chassis

working height incl. Centrifuge 70 cm

working height incl. Centrifuge 110 cm

Z 513

Order number: 274.98 V01

Order number: 274.98 V02

Z 513 K

Order number: 277.98 V01

Order number: 277.98 V02

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