CATALOGUE

Accessories for weights

Häfner

Distributed by AKRIBIS





Accessories for weights

Accessories that eases your work. The accessories by HÄFNER include everything you need for storage, handling, quality assurance and management of your test weights, e.g. bell jars with base, tweezers, brushes, gloves, weight forks and weight handles, storage boxes for single weights, service cases, measurement devices.

Safe storage of your weights

HÄFNER®
THE PERFECT WEIGHT

Bell jars

with base

Size	Diamter x Hight	Using for sets	Using for single weights	Art.no.
1	105 x 18 mm	1 mg–5 g		1.1YYY-010
2	75 x 55 mm	bis 100 g	max. 200 g	1.1YYY-020
3	125 x 90 mm	10 g–200 g	max. 1 kg	1.1YYY-030
4	150 x 150 mm	1 mg–200 g	max. 2 kg	1.1YYY-040
5	150 x 200 mm	100 g–1kg	max. 5 kg	1.1YYY-050
6	200 x 200 mm	bis 2 kg	2 kg + 5 kg	1.1YYY-060
7	180 x 250 mm		10 kg	1.1YYY-070
8	200 x 300 mm		20 kg	1.1YYY-080
9	300 x 400 mm		50 kg	1.1YYY-090



Plastic boxes with screwed top



Plastic

Size	suitable	Art.no.
	on top and bottom with foam inserts	
1	mg	1.6YYD-200
2	mg	1.6YYD-400

Size	suitable	Art.no.
	inside around with foam upholstert	
2	1 g–20 g	1.6YYD-150
3	50 g	1.6YYD-160
3	100 g	1.6YYD-170
4	200 g	1.6YYD-180
5	500 g	1.6YYD-190
6	1 kg	1.6YYD-210
7	2 kg	1.6YYD-220
8	5 kg	1.6YYD-230
9	10 kg	1.6YYD-240

Clean room plastic cases





SINGLE WEIGHT

Size	suitable	Art.no.
	with flaked recesses, including carbon tweezers 105 mm	
1	1 mg–5 g, 3 x mg, 1 x 1 g, 2 x 2 g, 1 x 5 g	1.6YYP-010
2	10 g–50 g, 1 x 10 g, 1 x 20 g, 1 x 50 g	1.6YYP-020

SETS for sets 1mg-500mg resp. 1mg-5g

Size	suitable	Configuration	Art.no.
			without coating
1	1 mg–500 mg	mg	1.6YYP-710
2	1 mg–5 g	with insert 1g–5g	1.6YYP-720
			mg with antistatic stainless steel coating
3	1 mg–500 mg	mg	1.6YYP-730
4	1 mg–5 g		1.6YYP-740

Clean room plastic box



Foam inserts with recesses

SETS up to 500 g resp. 5 kg

Size	suitable		Art.no.
			hinged lid for keeping certificates
1	1 g–max. 500 g		1.6YYS-810
1	1 mg–max. 500 g	mg-Insert	1.6YYS-820

Size	suitable		Art.no.
			hinged lid for keeping certificates
2	1 g–max. 5 kg		1.6YYS-830
2	1 mg–max. 5 kg	mg-Insert	1.6YYS-840

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Mahogany wooden box

Class E0 / E1 / E2 / F1



SINGLE WEIGHT

Nominal value	Art.no.
1 mg–500 mg	9.KEOM-090
1 g	9.KEOM-110
2 g	9.KEOM-120
5 g	9.KEOM-130
10 g	9.KEOM-140
20 g	9.KEOM-150
50 g	9.KEOM-160
100 g	9.KEOM-170
200 g	9.KEOM-180
500 g	9.KEOM-190
1 kg	9.KEOM-210
2 kg	9.KEOM-220
5 kg	9.KEOM-230
10 kg	9.KEOM-240
20 kg	9.KEOM-250
50 kg	9.KEOM-260



SETS

Nominal value	Art.no.
1 g–50 g	9.XTOM-560
1 g–100 g	9.XTOM-570
1 g–200 g	9.XTOM-580
1 g–500 g	9.XTOM-590
1 g–1 kg	9.XTOM-610
1 g–2 kg	9.XTOM-620
1 g–5 kg	9.XTOM-630
1 g–10 kg	9.XTOM-640
1 mg–5 g	9.XEOM-730
1 mg–50 g	9.XEOM-760
1 mg–100 g	9.XEOM-770
1 mg–200 g	9.XEOM-780
1 mg–500 g	9.XEOM-790
1 mg–1 kg	9.XEOM-810
1 mg–2 kg	9.XEOM-820
1 mg–5 kg	9.XEOM-830
1 mg–10 kg	9.XEOM-840

Beech wood box

Class F2 / M1 / M2 / M3

Knob weights



SINGLE WEIGHT

Nominal value	Art.no.
1 g	6.KEOB-110
2 g	6.KEOB-120
5 g	6.KEOB-130
10 g	6.KEOB-140
20 g	6.KEOB-150
50 g	6.KEOB-160
100 g	6.KEOB-170
200 g	6.KEOB-180
500 g	6.KEOB-190
1 kg	6.KEOB-210
2 kg	6.KEOB-220
5 kg	6.KEOB-230
10 kg	6.KEOB-240
20 kg	6.KEOB-250
50 kg	6.KEOB-260



SETS

Nominal value	Art.no.
1 g–50 g	5.XAOB-560
1 g–100 g	5.XAOB-570
1 g–200 g	5.XAOB-580
1 g–500 g	5.XAOB-590
1 g–1 kg	5.XAOB-610
1 g–2 kg	5.XAOB-620
1 g–5 kg	5.XAOB-630
1 g–10 kg	5.XAOB-640
1 mg–50 g	5.XMOB-760
1 mg–100 g	5.XMOB-770
1 mg -2 00 g	5.XMOB-780
1 mg–500 g	5.XMOB-790
1 mg–1 kg	5.XMOB-810
1 mg–2 kg	5.XMOB-820
1 mg–5 kg	5.XMOB-830
1 mg–10 kg	5.XMOB-840

Service case



Aluminium

SINGLE WEIGHT

Size	suitable	Art.no.
1	5 kg	1.6YY6-230
2	10 kg	1.6YY6-240
3	20 kg	1.6YY6-250
4	25 kg	1.6YY6-450
5	50 kg	1.6YY6-260

SETS

Size	suitable	Art.no.
6	up to 5 g	1.6YY6-530
7	up to 50 g	1.6YY6-560
8	up to 100 g	1.6YY6-570
9	up to 500 g	1.6YY6-590
10	up to 1 kg	1.6YY6-610
11	up to 2 kg	1.6YY6-620
12	up to 5 kg	1.6YY6-630
13	up to 10 kg	1.6YY6-640

Clean room case





SETS

Size	suitable	Art.no.
		removeable inserts
1	1 g–1 kg	1.6YYR-110
2	1 g–2 kg	1.6YYR-120
3	1 g–5 kg	1.6YYR-130
4	1 mg–1 kg	1.6YYR-140
5	1 mg–2 kg	1.6YYR-150
6	1 mg–5 kg	1.6YYR-160

SINGLE WEIGHT

Size	suitable	Art.no.
		removeable inserts
7	5 kg	1.6YYR-170
8	10 kg	1.6YYR-180
9	20 kg	1.6YYR-190



Leather cases

rectangular block weights

SETS

Size	suitable	Art.no.
1	5 kg	1.6YYL-330
2	10 kg	1.6YYL-340
3	20 kg	1.6YYL-350

Tweezers





STANDARDS

Size	Length	Using for	Description	Art.no.
1	105 mm	up to 50 g	Stainless steel cranked	1.3YYY-010
2	160 mm	up to 200 g	Stainless steel cranked	1.3YYY-020
3	250 mm	up to 500 g	Stainless steel straight with seat pans	1.3YYY-030
4	300 mm	up to 500 g	with seat pans	1.3YYY-040

CARBON Stainless steel with bolted, removable carbon tips

Size	Length	Using for	Art.no.
			Total carbon cranked, with seat pans
5	105 mm	up to 50 g	1.3YYY-050
	105 mm	up to 50 g	1.3YYY-060
7	155 mm	up to 200 g	1.3YYY-070
8	185 mm	up to 200 g	1.3YYY-080
9	200 mm	up to 200 g	1.3YYY-090

Gloves





Size	Description	Art.no.
		Cotton gloves, thin
S	Women`s size	1.2YYY-010
L	Men`s size	1.2YYY-020
		Cotton gloves, strong
S	Women`s size	1.2YYY-030
L	Men`s size	1.2YYY-040

Size	Description	Art.no.
		Micro fiber gloves
S	Women`s size	1.2YYY-050
L	Men`s size	1.2YYY-060
		Leather gloves with cotton on the back of the hand
S	Women`s size	1.2YYY-070
M	Intermediate size	1.2YYY-080
L	Men`s size	1.2YYY-090

Forks



Size	Description	Art.no.
1	500 g-Fork	1.3YYY-190
2	1 kg-Fork	1.3YYY-210
3	2 kg-Fork	1.3YYY-220
4	5 kg-Fork	1.3YYY-230

Handles



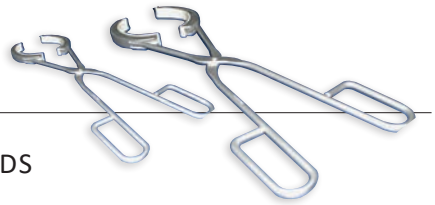
Size	Description	Art.no.
5	10 kg-Handle	1.3YYY-240
6	20 kg-Handle	1.3YYY-250
7	50 kg-Handle	1.3YYY-260

Brush



Size	Diameter x Length	Art.no.
1	D10 x L100 mm	1.4YYY-010
2	D20 x L110 mm	1.4YYY-020
3	D30 x L150 mm	1.4YYY-030
4	D30 x L250 mm	1.4YYY-040

Tongs



NORMAL STANDARDS

Size	Description	Art.no.
1	Universal tongs with silicone inserts, up to 2 kg	1.3YYY-310
2	Tong for 1 kg-E0	1.3YYY-320
3	Tong for 2 kg	1.3YYY-330

Ambient climate recording system



Size	Part of the system	Art.no.
1	Data logger 6 inputs	2.1YYY-010
2	Data logger 9 inputs	2.1YYY-020
3	Data logger 12 inputs	2.1YYY-030
4	PT 100 temperature sensor	2.1YYY-040
5	Humility sensor	2.1YYY-050
6	Air pressure sensor	2.1YYY-060



Permeability checking

Instruments for permeability determination

Size	suitable	Art.no.
1	Permeability checking	2.2YYY-010
2	Permeability measuring Permmaster	2.2YYY-020
3	Permeability measuring Magnetmaster	2.2YYY-030



Permeability measuring Magnetmaster



Permeability measuring Permmaster

Transport tools for weights

Size	suitable	Art.no.
1	Transport cart	1.3YYY-410
2	Lifting tool	1.3YYY-420



Transport cart



Lifting tool

Materials to protect the adjustment chamber from external influences for weights of class M1-M3

Disc plugs and underlay plates must always be used together.

Disc plugs

Disc plugs made of tin are our standard, as tin has no magnetic properties and therefore does not influence the measurement results.Less expensive disc pugs made of lead are available upon customer request when magnetic properties are not a major concern.



Size	Ø	Thickness	Suitable for / additional information	Type of weight	Material	Art.no.
1	5 mm	1 mm	20 g	Knob weights	Lead	1.7ZVY-010
2	7 mm	1,5 mm	50 g / 100 g	Knob weights	Lead	1.7ZVY-020
3	10 mm	2 mm	200 g / 500 g	Knob weights	Lead	1.7ZVY-030
4	16 mm	2 mm	Special size	Knob weights	Lead	1.7ZVY-040
5	18 mm	3 mm	1 kg / 2 kg	Knob weights	Lead	1.7ZVY-050
6	20 mm	2 mm	Special size	Knob weights	Lead	1.7ZVY-060
7	22,5 mm	2 mm	Special size	Knob weights	Lead	1.7ZVY-070
8	24 mm	3 mm	5 kg / 10 kg	Knob weights	Lead	1.7ZVY-080



1	5 mm	1 mm	20 g	Knob weights	Blei	1.7PVY-010
2	7 mm	1,5 mm	50 g / 100 g	Knob weights	Blei	1.7PVY-020
3	10 mm	2 mm	200 g / 500 g	Knob weights	Blei	1.7PVY-030
4	16 mm	2 mm	Special size	Knob weights	Blei	1.7PVY-040
5	18 mm	3 mm	1 kg / 2 kg	Knob weights	Blei	1.7PVY-050
6	24 mm	3 mm	5 kg / 10 kg	Knob weights	Blei	1.7PVY-080
7	30 mm	4,5 mm	100 kg / 200 kg / 500 kg / 1.000 kg / 2.000 kg	Block weights made of cast iron	Blei	1.7PVY-090
8			5 kg / 10 kg / 20 kg / 50 kg	Block weights made of cast iron*	Blei	1.7PVY-100

*Length x width x thickness: 28 mm x 21 mm x 4 mm

Underlay plates

Underlay plates made of brass or steel are used as a backing for the disc plugs.



Size	Ø	Thickness	Suitable for / additional information	Type of weight	Material	Art.no.
1	5 mm	1 mm	20 g	Knob weights	Brass	1.7MUY-010
2	7 mm	2 mm	50 g / 100 g	Knob weights	Brass	1.7MUY-020
3	10 mm	2 mm	200 g / 500 g	Knob weights	Brass	1.7MUY-030
4	16 mm	2 mm	Special size	Knob weights	Brass	1.7MUY-040
5	18 mm	3,5 mm	1 kg / 2 kg	Knob weights	Brass	1.7MUY-050
6	20 mm	3 mm	Special size	Knob weights	Brass	1.7MUY-060
7	22,5 mm	2 mm	Special size	Knob weights	Brass	1.7MUY-070
8	24 mm	3 mm	5 kg / 10 kg	Knob weights	Brass	1.7MUY-080
9	30 mm	3 mm	Special size	Knob weights	Brass	1.7MUY-090
10			5 kg / 10 kg / 20 kg / 50 kg	Block weights made of cast iron*	Steel	1.7MUY-100

* Length x width x thickness: 28mm x 21mm x 5 mm

Sealing plugs DIN 1924

Sealing plugs made of lead are suitable for gray cast iron button and slot weights.



Size	Ø	Thickness	Suitable for / additional information	Type of weight	Material	Art.no.
1	24 mm	23 mm	Special size	Slotted weights	Lead	1.7PPY-010
2	23 mm	22 mm	20 kg / 50 kg	Slotted weights	Lead	1.7PPY-020
3	22 mm	21 mm	20 kg / 50 kg	Slotted weights	Lead	1.7PPY-030
4	21 mm	20 mm	10 kg	Slotted weights	Lead	1.7PPY-040
5	20 mm	19 mm	10 kg	Slotted weights	Lead	1.7PPY-050
6	19 mm	19 mm	10 kg	Slotted weights	Lead	1.7PPY-060
7	18 mm	18 mm	5 kg	Slotted weights	Lead	1.7PPY-070
8	17 mm	17 mm	20 kg (knob w.), 5 kg (slotted w.)	Knob weights / slotted weights	Lead	1.7PPY-080
9	16 mm	16 mm	5 kg (knob w.), 2 kg (slotted w.)	Knob weights / slotted weights	Lead	1.7PPY-090
10	15 mm	15 mm	10 kg	Knob weights	Lead	1.7PPY-100
11	14 mm	14 mm	10 kg	Knob weights	Lead	1.7PPY-110
12	13 mm	13 mm	10 kg	Knob weights	Lead	1.7PPY-120
13	12 mm	12,5 mm	500 g / 1 kg (knob w.), 500 g / 1 kg (slotted w.)	Knob weights / slotted weights	Lead	1.7PPY-130
14	11 mm	12 mm	500 g / 1 kg (knob w.), 500 g / 1 kg (slotted w.)	Knob weights / slotted weights	Lead	1.7PPY-140
15	10 mm	10,5 mm	Special size	Knob weights	Lead	1.7PPY-150
16	9 mm	10 mm	Special size	Knob weights	Lead	1.7PPY-160
17	8 mm	9 mm	Special size	Knob weights	Lead	1.7PPY-170

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Adjustment granules

Adjustment granules are used as filling material when adjusting weights of classes F1, F2 and M1-M3.

Size	Ø	Material	Art.no.
1	2 mm	Lead	1.7PGY-010
2	3 mm	Lead	1.7PGY-020
3	6 mm	Lead	1.7PGY-030
1	1 mm	Stainless steel	1.7EGY-010
2	2 mm	Stainless steel	1.7EGY-020
1	1 mm	Tin	1.7ZGY-010



Recalibration

Recalibration including checking of magnetism

E0 PTB-test or calibration*

*Certification of the conventional weighing value and the mass, if the values of the determination of the volume/density are available.

E1 PTB-test or calibration*

*Certification of the conventional weighing value and the mass, if the values of the determination of the volume/density are available.

E1 DAkkS-Calibration certificate

SINGLE WEIGHT

Nominal value	Art.no
1 mg–500 mg	1325
1 g–1 kg	1326
2 kg–10 kg	1327
20 kg	1328
50 kg	1329

SETS

Nominal value	Art.no
1 g–50 g	1384
1 g–100 g	1385
1 g–200 g	1386
1 g–500 g	1387
1 g–1 kg	1388
1 g–2 kg	1389
1 g–5 kg	1390
1 g–10 kg	1391

Nominal value	Art.no
1 mg–500 mg	1392
1 mg–50 g	1393
1 mg–100 g	1394
1 mg–200 g	1395
1 mg–500 g	1396
1 mg–1 kg	1397
1 mg–2 kg	1398
1 mg–5 kg	1399
1 mg–10 kg	1400

E2 DAkkS-Calibration certificate

SINGLE WEIGHT

Nominal value	Art.no
1 mg–2 kg	1320
5 kg–10 kg	1322
20 kg	1323
50 kg	1324

SETS

Nominal value	Art.no
1 g–50 g	1367
1 g–100 g	1368
1 g–200 g	1369
1 g–500 g	1370
1 g–1 kg	1371
1 g–2 kg	1372
1 g–5 kg	1373
1 g–10 kg	1374

Nominal value	Art.no
1 mg–500 mg	1375
1 mg–50 g	1376
1 mg–100 g	1377
1 mg–200 g	1378
1 mg–500 g	1379
1 mg–1kg	1380
1 mg–2 kg	1381
1 mg–5 kg	1382
1 mg–10 kg	1383

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F1 DAkkS-Calibration certificate

SINGLE WEIGHT

Nominal value	Art.no.
1 mg–2 kg	1470-1
5 kg–10 kg	1311-1
20 kg	1312-1
50 kg	1313-1
100 kg, F1, PTB-Calibration	1461-1
200 kg, F1, PTB- Calibration	1462-1
500 kg, F1, PTB- Calibration	1463-1
1000 kg, F1, PTB-Calibration	1464-1
2000 kg, F1, PTB- Calibration	1465-1

SETS

Nominal value	Art.no.
1 g–50 g	1350-1
1 g–100 g	1351-1
1 g–200 g	1352-1
1 g–500 g	1353-1
1 g–1 kg	1354-1
1 g–2 kg	1355-1
1 g–5 kg	1356-1
1 g–10 kg	1357-1

Nominal value	Art.no.
1 mg–500 mg	1358-1
1 mg–50 g	1359-1
1 mg–100 g	1360-1
1 mg–200 g	1361-1
1 mg–500 g	1362-1
1 mg–1 kg	1363-1
1 mg–2 kg	1364-1
1 mg–5 kg	1365-1
1 mg–10 kg	1366-1

F2 DAkkS-Calibration certificate

SINGLE WEIGHT

Nominal value	Art.no.
1 mg–2 kg	1470
5 kg–10 kg	1311
20 kg	1312
50 kg	1313
100 kg	1314
200 kg	1315
500 kg	1316
1000 kg	1317

SETS

Nominal value	Art.no.
1 g–50 g	1350
1 g–100 g	1351
1 g–200 g	1352
1 g–500 g	1353
1 g–1 kg	1354
1 g–2 kg	1355
1 g–5 kg	1356
1 g–10 kg	1357

Nominal value	Art.no.
1 mg–500 mg	1358
1 mg–50 g	1359
1 mg–100 g	1360
1 mg–200 g	1361
1 mg–500 g	1362
1 mg–1 kg	1363
1 mg–2 kg	1364
1 mg–5 kg	1365
1 mg–10 kg	1366

M1 M2 M3 DAkkS-Calibration certificate

SINGLE WEIGHT

Nominal value	Art.no.
1 mg–2 kg	1301
5 kg–10 kg	1302
20 kg	1304
50 kg	1305
100 kg	1306
200 kg	1307
500 kg	1308
1000 kg	1309
2000 kg	1310

SETS

Nominal value	Art.no.
1 g–50 g	1333
1 g–100 g	1334
1 g–200 g	1335
1 g–500 g	1336
1 g–1 kg	1337
1 g–2 kg	1338
1 g–5 kg	1339
1 g–10 kg	1340

Nominal value	Art.no.
1 mg–500 mg	1341
1 mg–50 g	1342
1 mg–100 g	1343
1 mg–200 g	1344
1 mg–500 g	1345
1 mg–1 kg	1346
1 mg–2 kg	1347
1 mg–5 kg	1348
1 mg–10 kg	1349

Lettering and engraving

Foil stamping, engraving and special labels

Style	Description	Using for	Art. no.
Type 1	3 or 5-digit character string, as an impression with engraving stamp	Alphanumeric characters, suitable for lead, brass and stainless steel	2001
Type 2	3- or 5-digit character string, as a CNC engraving	Alphanumeric characters, suitable for grey cast iron, brass and stainless steel	2002
Type 3	Special engravings	Logos and customised letting (e.g. barcodes)	2003
Type 4	Special labels for containers (wooden boxes, synthetic case, service-case for weights)	Lettering with customised text, logos and barcodes on silver-coloured labels (Easy label software)	2004

Engravings and impressions on weights. Therefore, they should be carried out before any adjustment or calibration

Special laser inscriptions (special occasion inscriptions that are easy on materials)

Style	Description	Using for	Art. no.
Type 1	1- or 2-digit	Alphanumeric character string for leaf weights 1 mg – 5 mg	2010
Type 2	3- or 5-digit	Alphanumeric character string for all defined weights and units of weight 1 g – 500 kg (stainless steel, brass etc.)	2012
Type 3	Special user characters	Customer-specific content, e.g. serial number, bar codes (line and data matrix) etc.	2013
Type 4	Logos	Customer logos (prepared in jpeg, tiff, gif or pdf formats)	2014

The material structure of the pieces of mass and defined weights is not magnetised. The ability to polish and corn size are maintained to the full extent. Material removal is virtually negligible depending on the font size and the number of characters.