

Test Weights and Boxes

Class M1



Milligram weights, flat polygonal sheet



Individual weights/weight sets, knob shape, finely turned stainless steel



Hook weights, finely turned stainless steel



Slotted weights, finely turned stainless steel



Plastic box, for individual weights ≤ 200 g, for hook weights and slotted weights ≤ 50 g



Plastic box, lined, for individual weights ≥ 500 g, for hook weights and slotted weights ≥ 100 g



Aluminium protected box, lined, for individual weights



Wooden box, not lined, for individual weights ≤ 500 g



Wooden box, not lined, for individual weights ≥ 100 g



Milligram weight set in plastic case (348-22)



Milligram weight set in aluminium protected case, lined (348-226)



Plastic case, lined, for weight sets, knob shape, finely turned stainless steel



Aluminium protected case, lined, for weight sets, knob shape, finely turned stainless steel



Wooden case, for weight sets, knob shape, finely turned stainless steel



Test weights (10 – 50 kg), finely turned stainless steel KERN 347-141 ff, optional: Wooden box



Beam bars, aluminium or stainless steel






Block weights, lacquered cast iron/stainless steel glass bead blasted, optional: Aluminium protected box, lined






Class M1 - Milligram weights, flat polygonal sheet

Test weight material: stainless steel

Weight	Tol +/- mg	Milligram weight, flat polygonal sheet	Plastic box	Aluminium protected box	Wooden box	DAkkS certificate
		KERN	KERN 	KERN 	KERN 	KERN
1 mg	0,20	348-01	347-009-400	317-009-600	338-090-200	962-651
2 mg	0,20	348-02	347-009-400	317-009-600	338-090-200	962-652
5 mg	0,20	348-03	347-009-400	317-009-600	338-090-200	962-653
10 mg	0,25	348-04	347-009-400	317-009-600	338-090-200	962-654
20 mg	0,30	348-05	347-009-400	317-009-600	338-090-200	962-655
50 mg	0,40	348-06	347-009-400	317-009-600	338-090-200	962-656
100 mg	0,50	348-07	347-009-400	317-009-600	338-090-200	962-657
200 mg	0,60	348-08	347-009-400	317-009-600	338-090-200	962-658
500 mg	0,80	348-09	347-009-400	317-009-600	338-090-200	962-659


Class M1 - Individual weights, knob shape

Test weights material: stainless steel

Weight	Tol +/- mg	Individual weight	Plastic box	Aluminium protected box	Wooden box	DAkkS certificate
		KERN	KERN 	KERN 	KERN 	KERN
1 g	1,0	347-01	347-030-400	317-010-600	337-010-200	962-631
2 g	1,2	347-02	347-030-400	317-020-600	337-020-200	962-632
5 g	1,6	347-03	347-030-400	317-030-600	337-030-200	962-633
10 g	2,0	347-04	347-050-400	317-040-600	337-040-200	962-634
20 g	2,5	347-05	347-050-400	317-050-600	337-050-200	962-635
50 g	3,0	347-06	347-070-400	317-060-600	337-060-200	962-636
100 g	5,0	347-07	347-070-400	317-070-600	337-070-200	962-637
200 g	10	347-08	347-080-400	317-080-600	337-080-200	962-638
500 g	25	347-09	347-090-400	317-090-600	337-090-200	962-639
1 kg	50	347-11	347-110-400	317-110-600	337-110-200	962-641
2 kg	100	347-12	347-120-400	317-120-600	337-120-200	962-642
5 kg	250	347-13	347-130-400	317-130-600	337-130-200	962-643
10 kg	500	347-14	347-140-400	317-140-600	337-140-200	962-644


Class M1 - Block weights

Block weight material: lacquered cast iron, surface and edges machined or unmachined (ECO)

Weight	Tol +/- g	Block weight	ECO Block weight	Aluminium protected box	DAkkS certificate
		KERN	KERN	KERN 	KERN
5 kg	0,25	346-86	346-76	346-060-600	962-643
10 kg	0,50	346-87	346-77	346-070-600	962-644
20 kg	1,00	346-88	346-78	346-080-600	962-645
50 kg	2,50	346-89	346-79	346-090-600	962-646


Class M1 - Block weights

Block weight material: stainless steel glass bead blasted

Weight	Tol +/- g	Block weight	Aluminium protected box	DAkkS certificate
		KERN	KERN 	KERN
5 kg	0,25	346-06	346-060-600	962-643
10 kg	0,50	346-07	346-070-600	962-644
20 kg	1,00	346-08	346-080-600	962-645
50 kg	2,50	346-09	346-090-600	962-646

Class M1 · Test weights, stackable

Test weight material: finely turned stainless steel

Weight	Tol +/- g	Test weight	Wooden box	DAkkS certificate
		KERN	KERN 	KERN
10 kg	0,5	347-141	337-141-200	962-644
20 kg	1,0	347-151	337-151-200	962-645
50 kg	2,5	347-161	337-161-200	962-646

Class M1 · Heavy duty weights, stackable

Heavy duty weight material: lacquered cast iron

Designed to be lifted with forklift trucks or cranes, delivery time is approx. 6–8 weeks

Dimensions: see internet




Weight	Tol +/- g	Heavy duty weight	DAkkS certificate
		KERN	KERN
100 kg	5	346-81	962-691
200 kg	10	346-82	962-692
500 kg	25	346-83	962-693
1000 kg	50	346-84	962-694
2000 kg	100	346-85	962-695

Note

We also offer a large range of heavy-duty weights in other materials, (e.g. stainless steel) and in other forms (e.g. discs) or individual weight containers, please ask for details.


Class M1 · Weight sets, knob shape

Test weight material: Milligram weights stainless steel, individual weights finely turned stainless steel

Weight	Knob shape, in plastic case	Knob shape, in aluminium protected case	Knob shape, in wooden case	DAkkS certificate
	KERN 	KERN 	KERN 	KERN
1 mg - 500 mg	348-22	348-226	-	962-650
1 mg - 50 g	343-024	343-026	343-02	962-601
1 mg - 100 g	343-034	343-036	343-03	962-602
1 mg - 200 g	343-044	343-046	343-04	962-603
1 mg - 500 g	343-054	343-056	343-05	962-604
1 mg - 1 kg	343-064	343-066	343-06	962-605
1 mg - 2 kg	343-074	343-076	343-07	962-606
1 mg - 5 kg	343-084	343-086	343-08	962-607
1 mg - 10 kg	-	343-096	343-09	962-608
1 g - 50 g	344-024	344-026	344-02	962-615
1 g - 100 g	344-034	344-036	344-03	962-616
1 g - 200 g	344-044	344-046	344-04	962-617
1 g - 500 g	344-054	344-056	344-05	962-618
1 g - 1 kg	344-064	344-066	344-06	962-619
1 g - 2 kg	344-074	344-076	344-07	962-620
1 g - 5 kg	344-084	344-086	344-08	962-621
1 g - 10 kg	-	344-096	344-09	962-622












Class M1 · Hook weights

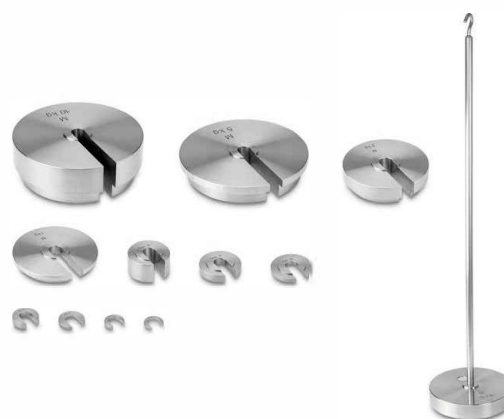
Hook weight material: finely turned stainless steel

Weight	Tol +/- mg	Hook weight	Plastic box, lined	DAkkS certificate
		KERN	KERN 	KERN
1 g	1,0	347-016	347-030-400	962-631
2 g	1,2	347-026	347-030-400	962-632
5 g	1,6	347-036	347-030-400	962-633
10 g	2,0	347-046	347-050-400	962-634
20 g	2,5	347-056	347-050-400	962-635
50 g	3,0	347-066	347-070-400	962-636
100 g	5,0	347-076	347-090-400	962-637
200 g	10,0	347-086	347-090-400	962-638
500 g	25,0	347-096	347-110-400	962-639
1 kg	50,0	347-116	347-120-400	962-641
2 kg	100,0	347-126	347-130-400	962-642
5 kg	250,0	347-136	347-140-400	962-643
10 kg	500,0	347-146	-	962-644

Class M1 · Slotted weights




Slotted weight material: finely turned stainless steel (only compatible with the 347-...7-100 series supporting bars)

Weight	Tol +/- mg	Slotted weight	DAkkS certificate
		KERN	KERN
5 g	1,6	347-037 	962-633
10 g	2,0	347-047 	962-634
20 g	2,5	347-057 	962-635
50 g	3,0	347-067 	962-636
100 g	5,0	347-077 	962-637
200 g	10	347-087 	962-638
500 g	25	347-097 	962-639
1 kg	50	347-117 	962-641
2 kg	100	347-127 	962-642
5 kg	250	347-137 	962-643
10 kg	500	347-147 	962-644



Class M1 · Beam bars, for fixing slotted weights

Beam bars material: 10 g: aluminium, 100 g–1 kg: finely turned stainless steel (only compatible with the 347-...7 series supporting bars)

Own weight beam bar	Maximum total load ⁽¹⁾	Largest slotted weight possible	Material	Length	Tol +/- mg	Beam bar	DAkkS certificate
						KERN	KERN
1 kg	161 kg	10 kg	Stainless steel	300 mm	50	347-117-100 	962-641
5 kg	125 kg	10 kg	Stainless steel	600 mm	250	347-137-100 	962-643
10 kg	180 kg	10 kg	Stainless steel	800 mm	500	347-147-100 	962-644

⁽¹⁾ is exclusive of the own weight of the beam bar, e.g. the maximum possible total weight is calculated from "Maximum total load" + "own weight beam bar"

Newton weights (N)


All hook and slotted weights as well as beam bars are available with N adjustment according to **M1 tolerances**

We need to know the exact location of use of the newton weights (street, postcode, city and country).

DAkkS calibration certificate for N weights: identical to DAkkS prices for individual weights M1

Class M1 · Slotted weights

Slotted weight material: finely turned stainless steel

Weight	Tol +/- mg	Slotted weight	Plastic box, lined	DAkkS certificate
		KERN	KERN 	KERN
1 g	1,0	347-015	347-030-400	962-631
2 g	1,2	347-025	347-030-400	962-632
5 g	1,6	347-035	347-030-400	962-633
10 g	2,0	347-045	347-030-400	962-634
20 g	2,5	347-055	347-080-400	962-635
50 g	3,0	347-065	347-080-400	962-636
100 g	5,0	347-075	347-090-400	962-637
200 g	10	347-085	347-090-400	962-638
500 g	25	347-095	347-110-400	962-639
1 kg	50	347-115	347-130-400	962-641
2 kg	100	347-125	347-130-400	962-642
5 kg	250	347-135	347-140-400	962-643
10 kg	500	347-145	347-140-400	962-644

Class M1 · Beam bars, for fixing slotted weights

Beam bars material: 10 g: aluminium, 100 g–1 kg: finely turned stainless steel

Own weight beam bar	Maximum total load ⁽¹⁾	Largest slotted weight possible	Material	Length	Beam bar	DAkkS certificate
					KERN	KERN
10 g	200 g	100 g	Aluminium	117,5	347-445-100*	962-634
100 g	2 kg	1 kg	Stainless steel	238	347-075-100**	962-637
500 g	20 kg	10 kg	Stainless steel	639	347-095-100***	962-639
1 kg	40 kg	10 kg	Stainless steel	1020	347-115-100***	962-641

⁽¹⁾ is exclusive of the own weight of the beam bar, e.g. the maximum possible total weight is calculated from "Maximum total load" + "own weight beam bar"

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