

18.1 INDIVIDUAL AND SETS OF WEIGHTS

18.1.1 INDIVIDUAL ADJUSTED, STAMPED AND M1 WEIGHTS



METRIC	BRASS CYLINDRICAL		IRON HEXAGONAL			IRON BAR		
	M1	STPD	M1	M2	STPD	M1	M3	STPD
1-500mg	5.00	7.00	-	-	-	-	-	-
1g	6.00	8.00	-	-	-	-	-	-
2g	7.00	8.00	-	-	-	-	-	-
5g	7.00	9.00	-	-	-	-	-	-
10g	8.00	9.00	-	-	-	-	-	-
20g	9.00	10.00	-	-	-	-	-	-
50g	10.00	11.00	-	-	-	-	-	-
100g	13.00	14.00	11.00	8.00	11.00	-	-	-
200g	19.00	20.00	12.00	9.00	12.00	-	-	-
500g	41.00	40.00	13.00	10.00	13.00	-	-	-
1kg	63.00	62.00	14.00	11.00	14.00	-	-	-
2kg	112.00	103.00	16.00	13.00	16.00	-	-	-
5kg	240.00	220.00	-	-	-	40.00	35.00	41.00
10kg	450.00	431.00	-	-	-	55.00	50.00	56.00
20kg	-	-	-	-	-	75.00	60.00	76.00
25kg	-	-	-	-	-	136.00	-	-
50kg	-	-	-	-	-	249.00	-	-

18.1.2 BRASS WEIGHTS IN PLASTIC OR WOODEN BOX WITH FORCEPS

- (Composition: 1x1g, 2x2g, 1x5g, 1x10g, 2x20g, 1x50g etc for all sets)
- Please specify plastic or wooden box at time of ordering



FROM	M2	STAMPED	M1		M1 CERTIFIED (INC DKD CERT.)	
	TO 1g	TO 1g	TO 1g	TO 1mg	TO 1g	TO 1mg
50g	114.00	148.00	118.00	217.00	176.00	364.00
100g	130.00	169.00	137.00	235.00	198.00	390.00
200g	170.00	218.00	180.00	278.00	257.00	447.00
500g	217.00	269.00	231.00	320.00	309.00	494.00
1kg	356.00	413.00	363.00	443.00	437.00	607.00
2kg	588.00	653.00	624.00	704.00	704.00	850.00
5kg	885.00	957.00	943.00	1030.00	1026.00	1151.00
10kg	1408.00	1486.00	1480.00	1582.00	1566.00	1705.00

SECTION 18.1.3 BOXES FOR WEIGHTS



- Wooden or plastic boxes for up to 7 weights for "tailor-made" sets. Select size by using the highest single weight. Boxes are supplied with tweezers and gloves.
- For boxes for individual weights see section 16.5.

HIGHEST FITTING SINGLE WEIGHT	VELVET LINED WOODEN BOXES E1, E2 & F1	UNLINED WOODEN BOXES F2 & M1	PLASTIC CARRYING CASE
200g	180.00	77.00	-
500g	-	89.00	119.00
1kg	269.00	157.00	-
2kg	356.00	195.00	-
5kg	508.00	305.00	262.00
10kg	675.00	436.00	-

Prices exclude delivery, VAT and stamping fees (unless stated)

PLATFORMS & BASES	INDICATORS	SYSTEC	RINSTRUM	PRINTERS & PERIPHERALS	LOAD CELLS	WEIGHTS	CERTIFICATION & DELIVERY	SPARES
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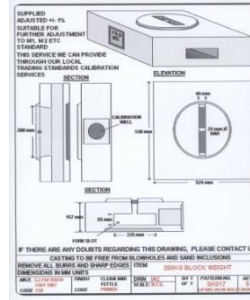
18.2 SLOTTED, CAST IRON BLOCK & SLEEPER WEIGHTS



IRON SLOTTED WEIGHTS



BRASS SLOTTED WEIGHTS



BLOCK WEIGHT



"1" WEIGHTS

18.2.1 SLOTTED IRON WEIGHTS (TO SUIT 12MM ROD)

18.2.3 SLOTTED BRASS WEIGHTS (TO SUIT 4.5MM ROD)

	DIA x HT mm	M1		DIA x HT mm	M1
50g (brass)	12mm slot	13.00	1g	13 x 2	9.00
100g	47 x 11	14.00	2g	13 x 3	9.00
200g	50 x 18	15.00	5g	18 x 3	10.00
500g	80 x 15	18.00	10g	21 x 3	10.00
1kg	97 x 22	27.00	20g	25 x 5	12.00
2kg	105 x 36	32.00	50g	27 x 10	13.00
5kg	154 x 43	61.00	100g	38 x 10	14.00
10kg	210 x 50	104.00	200g	38 x 24	17.00
20kg	280 x 52	149.00			
1N	47 x 12	14.00			
2N	50 x 18	15.00			
5N	100 x 10	18.00			
10N	100 x 20	27.00			
20N	100 x 48	32.00			
50N	150 x 50	61.00			
100N	245 x 35	104.00			
200N	260 x 60	149.00			

18.2.2 IRON HANGERS

18.2.4 BRASS HANGERS

	DETAILS	M1 & M2		DETAILS	M1 & M2
500g/5N	280mm stem	38.00	10g	35mm stem	15.00
1kg/10N	460mm stem	40.00	20g	65mm stem	16.00
			50g	105mm stem	17.00
			100g	105mm stem	18.00

18.2.5 CAST IRON BLOCK WEIGHTS

- With interlocking design, one lifting bar, one fork lift slot & adjusting cavity with sealing cap (can be identified).
- Adjusted to +/- 1%.

WEIGHT	DIMENSIONS W x D x H mm.	PRICE £ EACH
100kg	360 x 360 x 157	POA
250kg	530 x 524 x 157	POA
500kg	530 x 524 x 291	POA
1000kg	522 x 520 x 566	POA

18.2.6 CAST IRON "1" WEIGHTS

- With interlocking design, two outer edge lifting slots, one lifting bar & sealed adjusting cavity.
- Adjusted to an M1 tolerance & individually identified.

100kg	340 x 200 x 290	295.00
200kg	432 x 244 x 340	445.00
500kg	580 x 320 x 440	1055.00
1000kg	650 x 440 x 600	2095.00
UK CERTIFICATION IF REQUIRED		POA

Prices exclude delivery, VAT and stamping fees (unless stated)

PLATFORMS & BASES	INDICATORS	SYSTEC	RINSTRUM	PRINTERS & PERIPHERALS	LOAD CELLS	WEIGHTS	CERTIFICATION & DELIVERY	SPARES
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18.3 OIML WEIGHTS



E1, E2 AND F1 WEIGHTS
FULLY LINED WOODEN BOX WITH GLOVES,
TWEEZERS AND DUST BRUSH



F2 AND M1 WEIGHTS
WOODEN (UNLINED) OR PLASTIC BOXES WITH TWEEZERS. PLEASE SPECIFY
BOX TYPE AT TIME OF ORDER

WEIGHT	E1 STAINLESS STEEL	E2 STAINLESS STEEL	F1 STAINLESS STEEL	F2 STAINLESS STEEL	M1 STAINLESS STEEL	M1 BRASS
INDIVIDUAL WEIGHTS*						
mg each**	76.00	35.00	16.00	15.00	6.00	5.00
1g	121.00	69.00	44.00	28.00	7.00	6.00
2g	130.00	73.00	45.00	30.00	8.00	7.00
5g	140.00	79.00	48.00	32.00	8.00	7.00
10g	151.00	82.00	54.00	35.00	9.00	8.00
20g	164.00	95.00	60.00	38.00	10.00	9.00
50g	196.00	111.00	66.00	41.00	12.00	10.00
100g	235.00	119.00	80.00	47.00	16.00	13.00
200g	282.00	151.00	105.00	61.00	24.00	19.00
500g	407.00	254.00	172.00	88.00	50.00	41.00
1kg	617.00	378.00	240.00	122.00	79.00	63.00
2kg	914.00	602.00	363.00	188.00	134.00	112.00
5kg	1538.00	856.00	544.00	320.00	285.00	240.00
10kg	2220.00	1233.00	987.00	602.00	559.00	450.00
20kg	3134.00	1944.00	1524.00	1030.00	-	-
50kg	6006.00	4033.00	3293.00	1872.00	-	-

SETS OF MILLIGRAM WEIGHTS IN BOX (1x1, 2x2, 1x5, 1x10, 2x20, 1x50, 1x100, 2x200 etc)						
500-1mg	951.00	465.00	254.00	208.00	-	101.00

BOXES OF WEIGHTS TO 1mg (1x1, 2x2, 1x5, 1x10, 2x20, 1x50, 1x100, 2x200 etc)						
50g	2234.00	1277.00	813.00	530.00	225.00	217.00
100g	2466.00	1393.00	885.00	588.00	247.00	235.00
200g	3032.00	1698.00	1088.00	719.00	298.00	278.00
500g	3511.00	2031.00	1350.00	827.00	356.00	320.00
1kg	4120.00	2423.00	1596.00	1001.00	486.00	443.00
2kg	6020.00	3699.00	2394.00	1408.00	784.00	704.00
5kg	7688.00	4715.00	3061.00	1814.00	1161.00	1030.00
10kg	9995.00	6064.00	4178.00	2539.00	1814.00	1582.00

BOXES FOR INDIVIDUAL WEIGHTS						
WEIGHT	VELVET LINED WOODEN BOXES E1, E2 & F1	UNLINED WOODEN BOXES F2 & M1	LINED PLASTIC BOXES E2	LINED PLASTIC BOXES F1, F2 & M1		
	1-200g	41.00	24.00	9.00	3.00	
500g	45.00	28.00	14.00	5.00		
1kg	51.00	35.00	14.00	5.00		
2kg	64.00	40.00	14.00	5.00		
5kg	96.00	69.00	22.00	14.00		
10kg	130.00	89.00	-	14.00		
20kg	494.00	320.00	-	-		
50kg	602.00	501.00	-	-		

* Individual E1 to F2 weight can only be purchased with lined plastic boxes (and where not available the appropriate wooden box).

** Composition of mg weights. F1 all stainless steel, all other classes 1-5 mg aluminium 10 – 500 mg German silver.

Boxes are available for sets of weights (see Section 18.1.3).

All types are suitable for ISO 9000 traceable certification.

Special weights and boxes are available to order – POA.

Prices exclude delivery, VAT and stamping fees (unless stated)

PLATFORMS & BASES	INDICATORS	SYSTEC	RINSTRUM	PRINTERS & PERIPHERALS	LOAD CELLS	WEIGHTS	CERTIFICATION & DELIVERY	SPARES
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18.4 INDIVIDUAL & BOXED SETS OF STAINLESS STEEL WEIGHTS

18.4.1 INDIVIDUAL WEIGHTS



- 5kg - 20 kg supplied in hinged cases.
- 10g – 2kg supplied in individual padded plastic cases.
- 1g - 10g supplied in pill style boxes.

	M1	F1
1g	10.00	25.00
2g	10.00	25.00
5g	10.00	25.00
10g	10.00	25.00
20g	12.00	30.00
50g	15.00	35.00
100g	20.00	45.00
200g	25.00	55.00
500g	45.00	75.00
1kg	70.00	95.00
2kg	120.00	195.00
5kg	250.00	295.00
10kg	400.00	495.00
20kg	500.00	595.00

18.4.2 BOX SETS OF WEIGHTS



- All sets are supplied with a handling glove and forceps.

	M1	F1
2kg – 1mg	395.00	495.00
1kg – 1mg	295.00	395.00
500g – 1mg	195.00	295.00
200g – 1mg	145.00	245.00

18.4.3 CUSTOM STAINLESS STEEL WEIGHTS



- Stainless steel weights available in Slotted, Hook, Bar and with a Grip Handle.

	Slotted	Hook	Grip Handle	Bar	M1	F1
1g	YES	YES	-	-	5.00	10.00
2g	YES	YES	-	-	10.00	10.00
5g	YES	YES	-	-	10.00	15.00
10g	YES	YES	-	-	10.00	15.00
20g	YES	YES	-	-	10.00	20.00
50g	YES	YES	-	-	15.00	25.00
100g	YES	YES	-	-	20.00	30.00
200g	YES	YES	-	-	20.00	35.00
500g	YES	YES	-	-	35.00	45.00
1kg	YES	YES	-	-	60.00	110.00
2kg	YES	YES	-	-	95.00	135.00
5kg	YES	YES	YES	YES	200.00	245.00
10kg	YES	YES	YES	YES	375.00	485.00
20kg	YES	YES	YES	YES	670.00	805.00
500g	Hangers for Slotted Weights				35.00	45.00
1kg					60.00	110.00

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PLATFORMS & BASES	INDICATORS	SYSTEC	RINSTRUM	PRINTERS & PERIPHERALS	LOAD CELLS	WEIGHTS	CERTIFICATION & DELIVERY	SPARES
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18.5 OIML R111 & TRADE ADJUSTED MAXIMUM PERMISSIBLE ERRORS

NOMINAL WEIGHT	M3 + OR -	TRADE ADJUSTED + ONLY	M1 + OR -	F2 + OR -	F1 + OR -	E2 + OR -	E1 + OR -
1mg	-	0.20	0.20	0.06	0.020	0.006	0.003
2 mg	-	0.20	0.20	0.06	0.020	0.006	0.003
5 mg	-	0.20	0.20	0.06	0.020	0.006	0.003
10 mg	-	0.25	0.25	0.08	0.025	0.008	0.003
20 mg	-	0.30	0.30	0.10	0.03	0.010	0.003
50 mg	-	1.20	0.40	0.12	0.04	0.012	0.004
100 mg	-	1.50	0.50	0.15	0.05	0.016	0.005
200 mg	-	2.00	0.60	0.20	0.06	0.020	0.006
500 mg	-	2.50	0.80	0.25	0.08	0.025	0.008
1g	10.00	5.00	1.00	0.30	0.10	0.030	0.010
2g	12.00	5.00	1.20	0.40	0.12	0.040	0.012
5g	16.00	10.00	1.60	0.50	0.16	0.050	0.016
10g	20.00	20.00	2.00	0.60	0.20	0.060	0.020
20g	25.00	20.00	2.50	0.80	0.25	0.080	0.025
50g	30.00	30.00	3.00	1.00	0.30	0.10	0.030
100g	50.00	30.00	5.00	1.60	0.50	0.16	0.05
200g	100.00	50.00	10.00	3.00	1.00	0.30	0.10
500g	250.00	100.00	25.00	8.00	2.50	0.80	0.25
1kg	200.00	200.00	50.00	16.00	5.00	1.60	0.50
2kg	1000.00	400.00	100.00	30.00	10.00	3.00	1.00
5kg	2500.00	800.00	250.00	80.00	25.00	8.00	2.50
10kg	5000.00	1600.00	500.00	150.00	50.00	16.00	5.00
20kg	10000.00	3200.00	1000.00	300.00	100.00	30.00	10.00
25kg	-	4000.00	-	-	-	-	-
50kg	25000.00	8000.00	2500.00	800.00	250.00	80.00	25.00

18.6 COMPOSITION OF WEIGHT SETS

Set from 1mg to:-	50g	100g	200g	500g	1kg	2kg	5kg	10kg
Milligram weights	1mg	1mg	1mg	1mg	1mg	1mg	1mg	1mg
	2mg	2mg	2mg	2mg	2mg	2mg	2mg	2mg
	2mg	2mg	2mg	2mg	2mg	2mg	2mg	2mg
	5mg	5mg	5mg	5mg	5mg	5mg	5mg	5mg
	10mg	10mg	10mg	10mg	10mg	10mg	10mg	10mg
	20mg	20mg	20mg	20mg	20mg	20mg	20mg	20mg
	20mg	20mg	20mg	20mg	20mg	20mg	20mg	20mg
	50mg	50mg	50mg	50mg	50mg	50mg	50mg	50mg
	100mg	100mg	100mg	100mg	100mg	100mg	100mg	100mg
	200mg	200mg	200mg	200mg	200mg	200mg	200mg	200mg
Sub-total	1.11g	1.11g	1.11g	1.11g	1.11g	1.11g	1.11g	1.11g
Gram weights	1g	1g	1g	1g	1g	1g	1g	1g
	2g	2g	2g	2g	2g	2g	2g	2g
	2g	2g	2g	2g	2g	2g	2g	2g
	5g	5g	5g	5g	5g	5g	5g	5g
	10g	10g	10g	10g	10g	10g	10g	10g
	20g	20g	20g	20g	20g	20g	20g	20g
	20g	20g	20g	20g	20g	20g	20g	20g
	50g	50g	50g	50g	50g	50g	50g	50g
		100g	100g	100g	100g	100g	100g	100g
			200g	200g	200g	200g	200g	200g
Kilogram weights				500g	500g	500g	500g	500g
					1kg	1kg	1kg	1kg
						2kg	2kg	2kg
						2kg	2kg	2kg
							5kg	5kg
Total	111.11g	211.11g	611.11g	1111.11g	2111.11g	6111.11g	11111.11g	21111.11g

Prices exclude delivery, VAT and stamping fees (unless stated)

PLATFORMS & BASES	INDICATORS	SYSTEC	RINSTRUM	PRINTERS & PERIPHERALS	LOAD CELLS	WEIGHTS	CERTIFICATION & DELIVERY	SPARES
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