

13.1 INDIVIDUAL AND SETS OF WEIGHTS

13.1.1 INDIVIDUAL ADJUSTED, STAMPED AND M1 WEIGHTS



METRIC	BRASS CYLINDRICAL		IRON HEXAGONAL		IRON BAR		
	M1	STPD	M1	STPD	M1	M3	STPD
1-500mg	5.00	8.00	-	-	-	-	-
1g	6.00	9.00	-	-	-	-	-
2g	7.00	10.00	-	-	-	-	-
5g	7.00	10.00	-	-	-	-	-
10g	8.00	11.00	-	-	-	-	-
20g	10.00	13.00	-	-	-	-	-
50g	11.00	14.00	-	-	-	-	-
100g	14.00	17.00	11.00	14.00	-	-	-
200g	20.00	23.00	12.00	15.00	-	-	-
500g	36.00	39.00	13.00	16.00	-	-	-
1kg	58.00	61.00	14.00	17.00	-	-	-
2kg	98.00	101.00	16.00	19.00	-	-	-
5kg	217.00	201.00	-	-	40.00	35.00	44.00
10kg	420.00	424.00	-	-	55.00	50.00	59.00
20kg	-	-	-	-	75.00	60.00	79.00
25kg	-	-	-	-	136.00	-	-
50kg	-	-	-	-	249.00	-	-

13.1.2 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
- 10KG sets only available in wooden boxes



FROM	M1		M1 CERTIFIED (INC DKD CERT.)	
	TO 1g	TO 1mg	TO 1g	TO 1mg
50g	142.00	221.00	223.00	425.00
100g	156.00	235.00	250.00	451.00
200g	193.00	280.00	310.00	521.00
500g	230.00	312.00	361.00	565.00
1kg	401.00	497.00	544.00	761.00
2kg	592.00	688.00	764.00	981.00
5kg	840.00	917.00	1025.00	1225.00
10kg	1324.00	1400.00	1524.00	1722.00

SECTION 13.1.3 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	165.00	83.00	-
500g	-	83.00	118.00
1kg	261.00	147.00	-
2kg	319.00	174.00	-
5kg	446.00	268.00	242.00
10kg	592.00	382.00	-

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PLATFORMS & BASES	INDICATORS	PROGRAMMABLE CONTROLLERS	PRINTERS & PERIPHERALS	LOAD CELLS	WEIGHTS	CERTIFICATION & DELIVERY	SPARES
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13.2 SLOTTED AND CAST IRON BLOCK WEIGHTS



IRON SLOTTED WEIGHTS



BRASS SLOTTED WEIGHTS



BLOCK WEIGHTS

13.2.1 SLOTTED IRON WEIGHTS
(TO SUIT 12MM ROD)13.2.3 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			

13.2.2 IRON HANGERS

13.2.4 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

13.2.5 CAST IRON BLOCK WEIGHTS

- Adjusted to + M1 tolerance.

WEIGHT	DIMENSIONS W x D x H mm.	PRICE £ EACH
250kg	485 x 485 x 210	595.00
500kg	485 x 485 x 375	1065.00
1000kg	1200 x 600 x 240	1985.00

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13.3 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**	74.00	30.00	14.00	12.00	6.00	5.00
1g	106.00	58.00	37.00	23.00	6.00	6.00
2g	114.00	62.00	37.00	25.00	7.00	7.00
5g	123.00	65.00	40.00	26.00	7.00	7.00
10g	133.00	69.00	45.00	28.00	8.00	8.00
20g	144.00	79.00	50.00	32.00	9.00	10.00
50g	172.00	93.00	54.00	35.00	11.00	11.00
100g	207.00	102.00	67.00	39.00	14.00	14.00
200g	247.00	129.00	87.00	51.00	20.00	20.00
500g	357.00	214.00	142.00	73.00	40.00	36.00
1kg	541.00	312.00	196.00	102.00	65.00	58.00
2kg	802.00	484.00	306.00	153.00	109.00	98.00
5kg	1349.00	700.00	452.00	261.00	240.00	217.00
10kg	1947.00	1018.00	828.00	503.00	465.00	420.00
20kg	4963.00	2138.00	1718.00	878.00	-	-
50kg	10053.00	4454.00	3690.00	1578.00	-	-

SETS OF MILLIGRAM WEIGHTS IN BOX (1x1, 2x2, 1x5, 1x10, 2x20, 1x50, 1x100, 2x200 etc)						
500-1mg	1012.00	408.00	223.00	183.00	106.00	106.00

BOXES OF WEIGHTS TO 1mg (1x1, 2x2, 1x5, 1x10, 2x20, 1x50, 1x100, 2x200 etc)						
50g	1960.00	1069.00	662.00	446.00	203.00	221.00
100g	2164.00	1158.00	726.00	490.00	221.00	235.00
200g	2660.00	1426.00	904.00	599.00	255.00	280.00
500g	3080.00	1706.00	1120.00	688.00	300.00	312.00
1kg	3614.00	2036.00	1324.00	840.00	433.00	497.00
2kg	5281.00	3067.00	1998.00	1171.00	649.00	688.00
5kg	6744.00	3894.00	2558.00	1515.00	904.00	917.00
10kg	8767.00	5027.00	3500.00	2100.00	1387.00	1400.00

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	36.00	22.00	7.00	3.00	
500g	37.00	25.00	9.00	4.00		
1kg	58.00	41.00	11.00	4.00		
2kg	65.00	42.00	16.00	4.00		
5kg	96.00	68.00	23.00	12.00		
10kg	114.00	77.00	26.00	12.00		
20kg	637.00	414.00	-	-		
50kg	777.00	649.00	-	-		

* 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 13.1.3).

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)

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13.4 INDIVIDUAL & BOXED SETS OF STAINLESS STEEL WEIGHTS

13.4.1 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

13.4.2 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

13.4.3 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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13.5 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

13.6 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
	500mg	500mg	500mg	500mg	500mg	500mg	500mg	500mg
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
		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

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