



An ISO 9001:2000 Company



*Weights.*



**R.S.W.**

Reference Standard Weights  
Range : 1 mg To 5 Kg

**S.C.W.**

Standard Commercial Weights  
Range : 1 mg To 50 Kg

**S.S.W.**

Secondary Standard Weights  
Range : 1 mg To 10 Kg

**O.C.W.**

Range : 1 mg To 50 Kg  
Option : Customized Cap. of weights  
like from 100 Kg To 5000 Kg

**W.S.W.**

Working Standard Weights  
Range : 1 mg To 20 Kg



An ISO 9001:2000 Company ✨ *High Precision Weights*

**Specification :** O.I.M.L R - 111

**Reference :** The Standard of Weights &  
Measures (General) Rules, 1987

**Models :** Reference Standard Weights - R.S.W

**Ranges :** 1 mg To 5 Kg

**Accuracy Class :** E1 & E2

**Design Const. :** Solid & single piece standard (Cyl. Knob type)

**Material Const. :** Non magnet / austenitic Stainless Still

**Storage :** All R.S.W packed in individual plastic / wooden / metal box.  
And R.S.W sets under single pack in polished teak wood  
box on specific design.

**Prohibition :** Can not handling the R.S.W by naked hands

**Certifications :** Certificate of Calibration by MARUTI  
Certificate of Traceability by R.R.S.L  
Ref. Certificate of M. Traceability by N.P.L  
Certificate of Metal (Option).



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# Precision Weights

**Specification :** O.I.M.L R - 111

**Reference :** The Standard of Weights & Measures (General) Rules, 1987

**Models :** Secondary Standard Weights - S.S.W

**Ranges :** 1 mg To 10 Kg

**Accuracy Class :** E1, E2, F1 & F2

**Design Const. :** Solid & single piece standard (Cyl. Knob type)

**Material Const. :** Non magnet / austenitic Stainless Still / M.S / BRASS

**Storage :** All S.S.W packed in individual plastic / wooden / metal box.  
And S.S.W sets under single pack in polished teak wood box on specific design.

**Prohibition :** Can not handling the S.S.W by naked hands

**Certifications :** Certificate of Calibration by MARUTI

Certificate of Traceability by R.R.S.L

Ref. Certificate of M. Traceability by N.P.L

Certificate of Metal (Option).



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## Laboratory Weights

**Specification :** O.I.M.L R - 111

**Reference :** The Standard of Weights & Measures (General) Rules, 1987

**Models :** Working Standard Weights - W.S.W

**Ranges :** 1 mg To 20 Kg

**Accuracy Class :** F1 & F2

**Design Const. :** Solid & single piece standard (Knob / Handle type)

**Material Const. :** Non magnet / austenitic Stainless Still

**Storage :** All W.S.W packed in individual plastic / wooden / metal box.  
And W.S.W sets under single pack in polished teak wood box on specific design.

**Prohibition :** Can not handling the W.S.W by naked hands

**Certifications :** Certificate of Calibration by MARUTI

Certificate of Traceability by R.R.S.L

Ref. Certificate of M. Traceability by N.P.L

Certificate of Metal (Option).



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## Classified Weights

**Specification :** O.I.M.L R - 111

**Reference :** The Standard of Weights & Measures (General) Rules, 1987

**Models :** Standard Commercial Weights - S.C.W

**Ranges :** 1 mg To 50 Kg

**Accuracy Class :** F1, F2, M1 & M2

**Design Const. :** Solid & single piece standard (General foam)

**Material Const. :** Non magnet / S.S / M.S / BRASS / Sheet Metal

**Storage :** All S.C.W packed in individual plastic / wooden / metal box.  
And S.C.W sets under single pack in polished teak wood box on specific design.

**Prohibition :** Can not handling the S.C.W by naked hands

**Certifications :** Certificate of Calibration by MARUTI  
Certificate of Traceability by R.R.S.L  
Ref. Certificate of M. Traceability by N.P.L  
Certificate of Metal (Option).



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## Ordinary Class Weights

**Specification :** O.I.M.L R - 111

**Reference :** The Standard of Weights &  
Measures (General) Rules, 1987

**Models :** Ordinary Class Weights - O.C.W

**Ranges :** 1 mg To 50 Kg

**Accuracy Class :** M1, M2, M3 & General Ordinary Class

**Design Const. :** Solid piece standard (Standard design)

**Material Const. :** M.S / C.I / Nickle Coated / Brass Coated

**Storage :** All individual O.C.W not packed, open in air. The storage box can be provide by us as on request & requirement in customized design by M.S / S.S.

**Prohibition :** No prohibition, user friendly

**Certifications :** Certificate of Calibration by MARUTI

Certificate of Traceability by R.R.S.L

Ref. Certificate of M. Traceability by N.PL



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# High Precision Weights

Range : 1 mg To 5 kg

Metric Weight Tolerances - O.I.M.L

International Organization of Legal Metrology Recommendation R111*					
Denomination Metric	E1	E2	Denomination Metric	E1	E2
	mg	mg		mg	mg
5 kg	2.5	7.5	500 mg	0.008	0.025
2 kg	1.0	3.0	200 mg	0.006	0.020
1 kg	0.5	1.5	100 mg	0.005	0.015
500 g	0.25	0.75	50 mg	0.004	0.012
200 g	0.10	0.30	20 mg	0.003	0.010
100 g	0.05	0.15	10 mg	0.002	0.008
50 g	0.030	0.10	5 mg	0.002	0.006
20 g	0.025	0.080	2 mg	0.002	0.006
10 g	0.020	0.060	1 mg	0.002	0.006
5 g	0.015	0.050			
2 g	0.012	0.040			
1 g	0.010	0.030			

\* O.I.M.L – International Recommendation refer R-111



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# Precision Weights

Range : 1 mg To 10 Kg



Metric Weight Tolerances - O.I.M.L

International Organization of Legal Metrology Recommendation R111*									
Denomination Metric	E1	E2	F1	F2	Denomination Metric	E1	E2	F1	F2
	mg	mg	mg			mg	mg	mg	mg
10 kg	5	15	50	150	500 mg	0.008	0.025	0.08	0.25
5 kg	2.5	7.5	25	75	200 mg	0.006	0.020	0.06	0.20
2 kg	1.0	3.0	10	30	100 mg	0.005	0.015	0.05	0.15
1 kg	0.5	1.5	5	15	50 mg	0.004	0.012	0.04	0.12
500 g	0.25	0.75	2.5	7.5	20 mg	0.003	0.010	0.03	0.10
200 g	0.10	0.30	1.0	3.0	10 mg	0.002	0.008	0.025	0.08
100 g	0.05	0.15	0.5	1.5	5 mg	0.002	0.006	0.020	0.06
50 g	0.030	0.10	0.30	1.0	2 mg	0.002	0.006	0.020	0.06
20 g	0.025	0.080	0.25	0.8	1 mg	0.002	0.006	0.020	0.06
10 g	0.020	0.060	0.20	0.6					
5 g	0.015	0.050	0.15	0.5					
2 g	0.012	0.040	0.12	0.4					
1 g	0.010	0.030	0.10	0.3					

\* O.I.M.L – International Recommendation refer R-111



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## Laboratory Weights

Range : 1 mg To 20 Kg

Metric Weight Tolerances - O.I.M.L

International Organization of Legal Metrology Recommendation R111*					
Denomination Metric	F1	F2	Denomination Metric	F1	F2
	mg	mg		mg	mg
20 kg	100	300	5 g	0.15	0.50
10 kg	50	150	2 g	0.12	0.40
5 kg	25	75	1 g	0.10	0.30
2 kg	10	30	500 mg	0.08	0.25
1 kg	5	15	200 mg	0.06	0.20
500 g	2.5	7.5	100 mg	0.05	0.15
200 g	1.0	3.0	50 mg	0.04	0.12
100 g	0.5	1.5	20 mg	0.03	0.10
50 g	0.30	1.0	10 mg	0.025	0.08
20 g	0.25	0.8	5 mg	0.020	0.06
10 g	0.20	0.6	2 mg	0.020	0.06
			1 mg	0.020	0.06

\* O.I.M.L – International Recommendation refer R-111



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# Classified Weights

Range : 1 mg To 50 Kg

Metric Weight Tolerances - O.I.M.L

International Organization of Legal Metrology Recommendation R111*									
Denomination Metric	F1	F2	M1	M2	Denomination Metric	F1	F2	M1	M2
	mg	mg	mg	mg		mg	mg	mg	mg
50 kg	250	750	2500	7500	10 g	0.20	0.60	2	6
20 kg	100	300	1000	3000	5 g	0.15	0.50	1.5	5
10 kg	50	150	500	1500	2 g	0.12	0.40	1.2	4
5 kg	25	75	250	750	1 g	0.10	0.30	1.0	3
2 kg	10	30	100	300	500 mg	0.08	0.25	0.8	2.5
1 kg	5	15	50	150	200 mg	0.06	0.20	0.6	2.0
500 g	2.5	7.5	25	75	100 mg	0.05	0.15	0.5	1.5
200 g	1.0	3.0	10	30	50 mg	0.04	0.12	0.4	
100 g	0.5	1.5	5	15	20 mg	0.03	0.10	0.3	
50 g	0.30	1.0	3	10	10 mg	0.025	0.08	0.25	
20 g	0.25	0.8	2.5	8	5 mg	0.02	0.06	0.20	
					2 mg	0.02	0.06	0.20	
					1 mg	0.02	0.06	0.20	

\* O.I.M.L – International Recommendation refer R-111



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## ✦ Ordinary Class Weights

Range : 1 mg To 50 kg

Metric Weight Tolerances - O.I.M.L.

International Organization of Legal Metrology Recommendation R111*									
Denomination Metric	M1	M2	M3	O	Denomination Metric	M1	M2	M3	O
	mg	mg	mg	mg		mg	mg	mg	mg
200 kg	10000	30000	100000	200000	10 g	2	6	20	30
100 kg	5000	16000	50000	100000	5 g	1.5	5	15	25
50 kg	2500	7500	25000	50000	2 g	1.2	4	12	20
20 kg	1000	3000	10000	25000	1 g	1.0	3	10	15
10 kg	500	1500	5000	10000	500 mg	0.8	2.5		
5 kg	250	750	2500	5000	200 mg	0.6	2.0		
2 kg	100	300	1000	1500	100 mg	0.5	1.5		
1 kg	50	150	500	750	50 mg	0.4			
500 g	25	75	250	500	20 mg	0.3			
200 g	10	30	100	250	10 mg	0.25			
100 g	5	15	50	75	5 mg	0.20			
50 g	3	10	30	60	2 mg	0.20			
20 g	2.5	8	25	50	1 mg	0.20			

\* O.I.M.L – International Recommendation refer R-111