Ring Size Comparison Chart

Diameter Inside mm	British and Australian	U S A	Japanese	European	Circumference Inside mm	Diameter Inside mm	British and Australian	U S A	Japanese	European	Circumference Inside mm
11.97	A	1/2			37.6	17.66			15		55.5
12.36	B				38.8	17.75		7 1/2			55.8
12.37		1			38.9	17.83	P			16	56.0
12.75	C				40.1	18.00			16		56.6
12.78		1 1/2			40.2	18.13				17	57.0
13.00			1		40.9	18.19		8			57.2
13.04				1	41.0	18.27	Q				57.4
13.14	D				41.3	18.33			17		57.6
13.21		2			41.5	18.45				18	58.0
13.33			2		41.9	18.59		8 1/2			58.4
13.35				2	42.0	18.66	R		18		58.6
13.53	E				42.5	18.78				19	59.0
13.61		2 1/2			42.8	19.00		9	19		59.7
13.67			3	3	43.0	19.09	S			20	60.0
13.92	F				43.7	19.33			20		60.8
14.00			4	4	44.0	19.41		9 1/2		21	61.0
14.05		3			44.2	19.50	T				61.3
14.31	G				45.0	19.66			21		61.8
14.33			5	5	45.0	19.73				22	62.0
14.45		3 1/2			45.4	19.84		10			62.4
14.65			6	6	46.0	19.91	U				62.6
14.70	H				46.2	20.00			22		62.9
14.86		4			46.7	20.06				23	63.0
14.95				7	47.0	20.24		10 1/2			63.6
15.00			7		47.1	20.33	V		23		63.9
15.09	I				47.4	20.37				24	64.0
15.27		4 1/2		8	48.0	20.66		11	24		64.9
15.33			8		48.2	20.69				25	65.0
15.48	J				48.7	21.00		11 1/2	25	26	66.0
15.59				9	49.0	20.73	W				65.2
15.66			9		49.2	21.14	X				66.4
15.70		5			49.3	21.33			26	27	67.0
15.87	K				49.9	21.49		12			67.5
15.90				10	50.0	21.55	Y				67.7
16.00			10		50.3	21.66			27	28	68.1
16.10		5 1/2			50.6	21.89		12 1/2			68.8
16.24	L			11	51.0	21.96	Z		28	29	69.0
16.33			11		51.3	22.26				30	70.0
16.41					51.6	22.33	Z+1	13	29		70.2
16.53		6		12	52.0	22.60				31	71.0
16.66	M		12		52.4	22.69	Z+2		30		71.3
16.71					52.5	22.92				32	72.0
16.87		6 1/2		13	53.0	23.06	Z+3		31		72.5
17.00	N		13		53.4	23.24				33	73.0
17.13					53.8	23.47	Z+4				73.8
17.17				14	54.0	23.55				34	74.0
17.33		7	14		54.5	23.87	Z+5			35	75.0
17.45	O				54.8	24.27	Z+6				76.3
17.50				15	55.0						

The measurements in this chart are approximate only. We do not accept responsibility for any omissions or errors.

Sterling Silver Chenier

Supplied in 300mm lengths only

Outer diameter	Wall thickness	Reference:
1.5mm	0.3mm	54-000-015
2.0mm	0.5mm	54-000-020
2.4mm	0.5mm	54-000-024
2.6mm	0.5mm	54-000-026
2.9mm	0.5mm	54-000-029
3.5mm	0.5mm	54-000-035
4.0mm	0.6mm	54-000-040
4.8mm	0.8mm	54-000-048
6.0mm	0.8mm	54-000-060

Titanium Wire

Ref: 54-100-150 1.5mm diameter (minimum length 500mm)
Ref: 54-100-200 2.0mm diameter (minimum length 500mm)
Ref: 54-100-250 2.5mm diameter (minimum length 500mm)

Titanium Sheet

Ref: 54-200-070 Sheet size 0.7 x 125 x 125mm
Ref: 54-200-100 Sheet size 1.0 x 125 x 125mm
Ref: 54-200-200 Sheet size 2.0 x 100 x 100mm
Ref: 54-200-300 Sheet size 3.0 x 100 x 100mm

Copper Sheet

Ref: 52-500-005 Sheet size 0.55 x 150 x 150mm
Ref: 52-500-005 Sheet size 0.90 x 100 x 100mm

Weight Chart for Sterling Silver and Fine Silver Wire

Wire Size		Round	Square	1/2Round	1mm Flat
0.60mm	1 metre =	2.99g			
0.70mm	1 metre =	3.98g			
0.80mm	1 metre =	5.31g			
0.90mm	1 metre =	6.67g			
1.0mm	1 metre =	8.31g	10.60g		
1.20mm	1 metre =	11.98g	15.30g		
1.25mm	1 metre =	12.99g			
1.50mm	1 metre =	18.69g	23.90g	9.00g	
1.60mm	1 metre =	20.60g			
1.80mm	1 metre =	26.20g			
2.00mm	1 metre =	33.23g	42.50g	15.00g	21.25g
2.50mm	1 metre =	51.97g	66.41g	24.00g	
3.00mm	1 metre =	74.82g	95.63g	37.00g	
3.50mm	1 metre =		127.00g	53.00g	
4.00mm	1 metre =	133.00g	170.00g	67.20g	42.50g
4.50mm	1 metre =	169.00g		83.00g	
5.00mm	1 metre =	211.00g	260.00g	109.00g	
6.00mm	1 metre =	291.00g	331.00g	148.50g	63.70

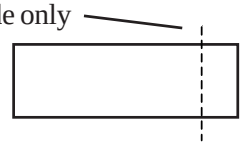
Weights given are approximate weight for use as a guide only

Weight Chart for Sterling Silver and Fine Silver Sheet

Weight indicated is for 300mm x 100mm sheets

Thickness	Weight
0.3mm	95g
0.4mm	128g
0.5mm	160g
0.6mm	190g
0.7mm	225g
0.8mm	255g
0.9mm	290g
1.0mm	320g
1.2mm	380g
1.5mm	480g
2.0mm	640g
3.0mm	960g

Silver Sheet is supplied in a standard size of 300mm x 100mm. Please note - we will cut silver sheet across the 100mm side only



To calculate approximate weight in gold multiply the silver weight from the charts above by the following:

9ct Yellow	1.078	9ct White	1.204	9ct Rose	1.097
18ct Yellow	1.505	18ct White	1.534	18ct Rose	1.466

Conversion Formulae

Gauge Conversions

Gauge	Inch	Millimeter
6	0.162	4.11
8	0.129	3.28
10	0.102	2.59
12	0.081	12.06
14	0.064	1.63
16	0.051	1.29
18	0.040	1.02
20	0.032	0.81
22	0.025	0.64
24	0.020	0.51
26	0.016	0.41
28	0.013	0.33

Wax to Metal Weight

Metal	Factor
925 Silver	10.3
9ct Yellow	11.1
9ct Rose	11.3
9ct White (Pd)	12.5
14ct Y	13.8
18ct Y	15.5
18ct Rose	15.1
18ct White	15.8

Pressure - 1Bar

= 29.53 inches mercury
= 10 metres = 100 Kilopascal
= 14.5 p.s.i = 1000 millibar

Alloying Gold

Add to 1gram of Fine Gold
1.66g Master Alloy for 9ct
0.33g Master Alloy for 18ct

Add to 1gram of Master Alloy
0.6g Fine Gold for 9ct
3.0g Fine Gold for 18ct

Weights

From	To	Factor
Gram (g)	Carat	5.00
Carat (ct)	Gram	0.20
Gram (g)	Ounce	0.035
Ounce (oz)	Gram	28.35
Pound (lb)	Kilogram	0.454
Kilogram (kg)	Pound	2.204
Carat (ct)	Grain	3.086
Grain (grn)	Carat	0.324
Pennyweight (dw)	Gram	1.555
Troy Ounce (ozt)	Ounce	1.097

Power Conversions

1 horsepower = 746 watts
1 cubic meter /hour = 1000 Litres per hour
1cubic foot per minute = 28.32 litres per minute

Temperature Chart

C	F	C	F	C	F	C	F	C	F
0	32	350	662	600	1112	850	1562	1100	2012
100	212	400	752	650	1202	900	1652	1500	2102
200	392	450	842	700	1292	950	1742	1190	2174
250	482	500	932	750	1382	1000	1832	1260	2300

Temperatures for Vulcanizing Rubber

Castaldo Gold &White Labels
Optimum temperature is 152°C.
Allow 7.5 minutes for each thickness (3.2mm) with 30 min minimum and 75min maximum.

Castaldo No Shrink Pink
Ask for detailed instructions, as some experimentation may be necessary for best results with your vulcanizer. Begin at 154°C for 7.5 min/layer.

Specific Gravity and Melting Point of Metal and Alloys

Metal	Melting Point °F	Melting Point °C	Specific Gravity	Metal	Melting Point °F	Melting Point °C	Specific Gravity
Aluminum	1220	660	2.70	Iridium	4449	2454	22.40
Antimony	1167	630	6.62	Iron (pure)	2795	1535	7.86
Beryllium	2462	1350	1.82	Lead	621	327	11.36
Bismuth	520	271	9.8	Magnesium	1204	651	1.74
Cadmium	610	321	8.67	Manganese	2273	1245	7.20
Chromium	3326	1830	7.14	Molybdenum	4748	2620	10.20
Cobalt	2696	1480	8.90	Nickel	2645	1452	8.85
Copper	1981	1083	8.94	Osmium	4892	2700	22.48
Gold	1945	1063	19.36	Palladium	2831	1555	12.00
18ct green	1810	988	15.90	Platinum	3224	1773	21.45
18ct yellow	1700	927	15.58	15% iridio plat.	3310	1821	21.59
18ct white	1730	943	14.64	10% iridio plat.	3250	1788	21.54
18ct red	1655	902	15.18	5% iridio plat.	3235	1779	21.50
14ct yellow	1615	879	13.07	Rhodium	3551	1955	12.50
14ct white	1825	996	12.61	Ruthenium	4442	2450	12.20
14ct red	1715	935	13.26	Silicon	2588	1420	2.40
10ct yellow	1665	907	11.57	Silver	1761	961	10.53
10ct white	1975	1079	10.07	Sterling	1640	893	10.40
				Tin	450	232	7.30
				Zinc	787	419	7.14

Diamond Weight Estimator - Approximate size only

Carats	Diameter	Carats	Diameter	Carats	Diameter	Carats	Diameter
0.005	1.0mm	0.14	3.3mm	0.60	5.4mm	2.15	8.4mm
0.01	1.4mm	0.15	3.4mm	0.65	5.6mm	2.25	8.6mm
0.015	1.5mm	0.16	3.5mm	0.75	5.8mm	2.50	8.8mm
0.02	1.7mm	0.17	3.6mm	0.80	6.0mm	2.65	9.0mm
0.025	1.8mm	0.18	3.7mm	0.85	6.2mm	2.85	9.2mm
0.03	2.0mm	0.20	3.8mm	0.95	6.4mm	3.00	9.4mm
0.035	2.1mm	0.22	3.9mm	1.00	6.5mm	3.15	9.6mm
0.04	2.2mm	0.23	4.0mm	1.10	6.6mm	3.35	9.8mm
0.05	2.4mm	0.25	4.1mm	1.17	6.8mm	3.50	10.0mm
0.06	2.5mm	0.30	4.2mm	1.25	7.0mm	3.75	10.2mm
0.07	2.7mm	0.33	4.4mm	1.33	7.2mm	4.00	10.4mm
0.08	2.8mm	0.38	4.6mm	1.50	7.4mm	4.25	10.6mm
0.09	2.9mm	0.40	4.8mm	1.60	7.6mm	4.45	10.8mm
0.10	3.0mm	0.47	5.0mm	1.75	7.8mm	4.75	11.0mm
0.11	3.1mm	0.50	5.2mm	1.90	8.0mm	5.00	11.2mm
0.12	3.2mm			2.00	8.2mm		

The Diamond Weight Estimator table is for use as a giude only to provide the diameter in millimeters for the specified carat weights of round brilliant diamonds between 0.005 (200 per carat) and 5 carats.

Watch Battery Reference Chart

SR43SW	301	SR1130W	389
SR44SW	303	SR1130SW	390
SR716SW	315	SR1120W	391
SR516SW	317	SR41W	392
SR527SW	319	SR754W	393
SR616SW	321	SR936SW	394
SR731SW	329	SR927SW	395
SR512SW	335	SR726W	396
341	341	SR726SW	397
SR1136SW	344	SR927W	399
SR712SW	346	SR416SW	416
SR44W	357	LR43	430
SR721W	361	LR44	440
SR721SW	362	CR1025	500
SR621SW	364	CR1216	502
SR1116W	365	CR1220	504
SR920W	370	CR1616	508
SR920SW	371	CR1620	510
SR916SW	373	CR2016	514
SR626W	376	CR2025	518
SR626SW	377	CR2032	520
SR521SW	379	CR2320	522
SR1120SW	381	CR2325	524
SR41SW	384	CR2430	526
SR43W	386		

Watch Battery Size Chart

Silver Oxide Batteries 1.5volt

4.8mm — 1.65mm #337

5.8mm — 1.25mm #335; 1.65mm #317; 2.15mm #379; 2.7mm #319

6.8mm — 1.05mm #333; 1.45mm #339; 1.65mm #321; 2.15mm #364; 2.60mm #377 *376

7.9mm — 1.30mm #346; 1.45mm #341; 1.65mm #315 *314; 2.10mm #362 *361; 2.60mm #397 *396; 3.10mm #329; 3.60mm #384 *392; 5.35mm #309 *393

9.5mm — 1.05mm #311; 1.65mm #373; 2.10mm #371 *370; 2.70mm #395 *399; 3.60mm #394

11.6mm — 1.65mm #366 *365; 2.05mm #381 *391; 3.00mm #390 *389; 3.60mm #344 *350; 4.20mm #301 *386; 5.35mm *357; 5.60mm #303

Alkaline Batteries 1.5volt

11.6mm — 4.2mm LR43 73mAh; 5.4mm LR44 105mAh

Batteries prefixed # are low drain for basic analogue or digital watches without alarm or light.
Batteries prefixed * are high drain for alalogue or digital watches with alarm and/or light as well as for some calculators.