

# gems



## In better shape, colour and quality than ever

even a cursory glance will tell you that our gemstone range is back with a bang... If you have bought stones from us before or are torn as to which to choose, take a look at our exhaustive Gemstone guide and learn a little of the history and provenance of each gem.

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# a guide to gems for 2008



## DIAMOND

Formed under high temperatures and pressure 50 miles or more underground. The hardest mineral on Earth, with its exceptional lustre and brilliant fire, makes it the most highly prized of all gems. Cookson Precious Metals will not knowingly sell "Conflict Diamonds" and to the best of our ability we will undertake reasonable measures to help prevent the sale of "Conflict Diamonds" in this country.



## AMETHYST

Is the best known form of quartz, colour ranging from deep to light purple. Ancient belief held that anyone wearing an amethyst could not become intoxicated.



## SAPPHIRE

This gem is a variety of the mineral Corundum, which is the hardest mineral after diamond. The blue colour and the depth of this colour is caused by the presence and the amount of iron and titanium oxides in the mineral. Sometimes called "gem of the heavens", Persians believed that the earth rested on an enormous sapphire and the sky reflected its beautiful blue colour.



## EMERALD

The earliest known gem market in Babylon was trading emeralds as early as 4000 BC. This gem is a variety of the mineral Beryl and occurs within dark shales and limestones in Colombia's Muzor and Chivor regions. Until the Spanish conquest of Colombia in the 16th century, Egypt and Austria supplied the Romans and medieval Europe. Some very fine stones are also mined at Sandawana in Zimbabwe, Kitwe in Zambia and Swat in Pakistan.



## PINK SAPPHIRE

Among the most beautiful of the corundum family, Pink Sapphires occur in Sri Lanka, Burma and East Africa. It is debated whether or not this, the most popular non-blue sapphire is in fact a pink ruby. The colour varies from a very pale and delicate pink to a near-red. It is believed that if the stone is worn directly on the skin it will ward off ill-health and misfortune.



## OPAL

The iridescence of this stone can be seen against a light background (white opal) or a dark background (black opal). When the flash or play of colour is seen inside a transparent stone the name water opal is used. Ancient Romans believed opals to be a symbol of hope because they contain the colours of the rainbow and Arabs thought the fiery colour was created while falling from the sky in flashes of lightning.

**TOPAZ**

A symbol of love and affection, this clear, bright gemstone is believed to inherit its name from the Sanskrit meaning, 'fire'. Topaz can be found in a variety of colours including yellow, green, orange, pinkish-red and brown. Dug out of sand and gravel blue Topaz is found in Colorado, Nigeria and Russia. Ancient Greeks believed it had the power to increase strength and was also said to change colour in the presence of poisoned food or drink.

**FIRE OPAL**

These stones tend to have one body of colour, the most common of which is reddish-orange, but they can range from pale yellow to dark orange.

**CITRINE**

The golden lemon colour of this member of the quartz family has long been a symbol of light heartedness and joy.

**RHODOLITE**

Rhodolite, sometimes known as Raspberry Rhodolite Garnet, is a combination of almandine and pyrope. The name is derived from the Greek words rhodon and lithos, meaning rose-stone. It is believed to balance emotion and foster greater awareness.

**GARNET**

Its blood red colour has been likened to the flesh of a ripe pomegranate and the name garnet is derived from the Latin word granatum. There are three distinct shades of red:

- blood red - Pyrope garnet
- deep blood red - Almandine garnet and
- rose-lavender - Rhodolite garnet.

This red stone was once thought to cure fever and promote good health.

**TURQUOISE**

One of the first gemstones ever used for jewellery, this mineral was highly valued by the Egyptians as early as 6000 B.C and was first found buried with a 7500-year-old mummy. In Persian, Turquoise is known as Ferozah, meaning victorious and is the national gemstone of Iran to this day. The soft, opaque gemstone is believed to bring happiness and good fortune to all and its natural sky-blue colour comes from the presence of copper, which also makes it an excellent conductor.

**ONYX**

Primarily sourced in the U.S, Germany and Mexico, Onyx occurs naturally in black but can also be found in brown, grey and white. The stone is believed to help change bad habits, its also a good grounding stone which is thought to be useful in deflecting and absorbing the negativity of others.

**CORNELIAN**

Also known as Sadoine or Mecca Stone, the name Cornelian is derived from Carne, the Latin for 'flesh', due to the stones colouring. A deeply religious stone that is thought to balance creativity and mental processes, protecting against envy and fear. To this day Buddhists in China and India believe in the protective powers of the Cornelian and follow the Egyptian practice of setting the stone with turquoise for enhanced power.

**CULTURED PEARLS**

The cultured pearl has been produced in China for several centuries but the modern industry was founded in Japan in the late 19th century.

Cultured pearls are available in a fantastic range of shapes, sizes colours and shades. The iridescent lustre arises from the interference of light reflected from the bounties of the thin layers of nacre, which is deposited on the nucleus inserted into an oyster or mussel.

**TOURMALINE**

The name Tourmaline is said to have originated from the Sinhalese term, 'turmalī' meaning 'mixed'. Its unusually bright shade of pink is said to bring compassion, trust and self-love. Referred to as the 'muses' stone, many believe that its imaginative colours contain inspirational powers. During the Manchu Dynasty in China, members of the Mandarin class wore buttons made of Tourmaline in order to distinguish themselves from other citizens. Tourmaline is considered to be piezoelectric, meaning that it has the ability to become electrically charged when rubbed.

**PERIDOT**

The attraction of this stone lies in its rich "oily" green colour, which ranges from pale golden green to brownish green. First found on St. John's Island in the Red Sea as early as 1300 BC but now mined in Arizona, Burma and Norway.

**RUBY**

The rich red of ruby is produced by the presence of chromium in the mineral Corundum.

The best ruby's colour is described as "pigeon's blood" and is found in the Mogok area of Burma. The stimulating rich red colour is said to represent heat, life and power and to ensure a peaceful and healthy life.



# gemstones

## diamond

### Diamond Round

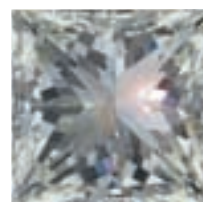
Points	mm	G -VS2	H/I-SI2	J-P1	H/I-PK2
1.0	1.3			61DI AJJC	61DI AHJC
1.5	1.5			61DI AJJD	61DI AHJD
2.0	1.7			61DI AJJE	61DI AHJE
2.5	1.8			61DI AJJF	61DI AHJF
3.0	2.0	61DI AGFG		61DI AJJG	61DI AHJG
3.5	2.1				61DI AHJH
5.0	2.4		61DI AIHJ		61DI AHJJ
6.0	2.5			61DI AJJK	
7.0	2.7		61DI AIHL	61DI AJJL	
8.0	2.8				61DI AHJM
10.0	3.0	61DI AGFN	61DI AIHN	61DI AJJN	61DI AHJN
12.0	3.2			61DI AJJO	
15.0	3.4				61DI AHJP
16.0	3.5	61DI AGFQ		61DI AJJQ	
20.0	2.9				61DI AHJR



for diamond  
carat weights &  
sizing charts  
see page 220

### Diamond Princess Cut

Points	mm	G -VS	G -SI
2.5	1.2	61DI MGFF	
3.0	1.5	61DI MGFG	
7.0	2.3		61DI MGGL
10.0	2.5		61DI MGGN
18.0	3.0		61DI MGG2



Weight shown in points. 1.0 point = 0.01 carat.  
Items coded are held in stock, prices on application.

#### DIAMOND

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# gemstones

## sapphire

### Sapphire, fine, dark blue/black material, even colour, good cut and polish

Code	Product Group	Shape/Cut	Size/Ct. Wt.*	£ / each
61SA ADFG	Sapphire Fine	Round	2mm/0.05	1.54
61SA ADFJ**	Sapphire Fine	Round	2.25mm/0.07	1.54
61SA ADFK	Sapphire Fine	Round	2.5mm/0.09	1.54
61SA ADFN	Sapphire Fine	Round	3.0mm/0.15	2.02
61SA ADFQ	Sapphire Fine	Round	3.5mm/0.24	3.24
61SA ADFS	Sapphire Fine	Round	4.0mm/0.38	4.70

### Sapphire K standard (kanchanaburi), medium blue, little zoning

61SA ADKG	Sapphire K Standard	Round	2.0mm/0.05	1.54
61SA ADKJ**	Sapphire K Standard	Round	2.25mm/0.07	1.54
61SA ADKK	Sapphire K Standard	Round	2.5mm/0.09	2.14
61SA ADKL**	Sapphire K Standard	Round	2.75mm/0.12	2.68
61SA ADKN	Sapphire K Standard	Round	3.0mm/0.14	2.95
61SA ADKO**	Sapphire K Standard	Round	3.25mm/0.18	4.82
61SA ADKQ	Sapphire K Standard	Round	3.5mm/0.23	6.96
61SA ADKR**	Sapphire K Standard	Round	3.75mm/0.29	8.83
61SA ADKT	Sapphire K Standard	Round	4.0 - 4.4mm/0.30	9.63

### Sapphire K standard, medium blue, little zoning

61SA KV54	Sapphire K. Standard.	Oval	5 x 4mm/ 0.46	14.12
61SA KV64	Sapphire K. Standard.	Oval	6 x 4mm/ 0.57	17.49
61SA KV75	Sapphire K. Standard.	Oval	7 x 5mm/ 0.93	45.78

\* Carat weight is approximate

\*\* Subject to availability



Also available Diamond cut round sapphire 1.3 to 1.7mm, code no: 61SA ADDF



gemstones



#### SAPPHIRE

This gem is a variety of the mineral Corundum, which is the hardest mineral after diamond. The blue colour and the depth of this colour is caused by the presence and the amount of iron and titanium oxides in the mineral. Sometimes called "gem of the heavens", Persians believed that the earth rested on an enormous sapphire and the sky reflected its beautiful blue colour.



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# gemstones

## pink sapphire & tanzanite

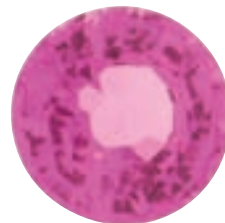
### Pink Sapphire - Pastel Pink "F"

Code	Product Group	Shape/Cut	Size	£ /each*
61PS RD20	Pink Sapphire	Round	2.0mm	5.54
61PS RD25	Pink Sapphire	Round	2.5mm	8.00
61PS RD30	Pink Sapphire	Round	3.0mm	14.46
61PS RD35	Pink Sapphire	Round	3.5mm	21.72
61PS RD40	Pink Sapphire	Round	4.0mm	39.38

61PS OV53**	Pink Sapphire	Oval	5 x 3mm	25.54
61PS OV64**	Pink Sapphire	Oval	6 x 4mm	52.61

61PS PR64	Pink Sapphire	Pear	6 x 4mm	43.07
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61PS SQ20	Pink Sapphire	Square	2.0 x 2.0mm	5.97
61PS SQ25	Pink Sapphire	Square	2.5 x 2.5mm	12.00
61PS SQ30**	Pink Sapphire	Square	3.0 x 3.0mm	41.53



#### PINK SAPPHIRE

Among the most beautiful of the corundum family, Pink Sapphires occur in Sri Lanka, Burma and East Africa. It is debated whether or not this, the most popular non-blue sapphire is in fact a pink ruby. The colour varies from a very pale and delicate pink to a near-red. The more clear and vivid the colour, the more valuable the stone. It is believed that if the stone is worn directly on the skin it will ward off ill-health and misfortune.



### Tanzanite - Violet XSF light violet blue

Code	Product/ Shape	Weight	Size	£ /each*
61TA VBR4	Tanzanite Round	30pts	4.0mm	36.92
61TA VBR5	Tanzanite Round	60pts	5.0mm	92.29

61TA VB54**	Tanzanite Oval	45pts	5x4mm	51.69
61TA VB64**	Tanzanite Oval	50pts	6x4mm	91.37
61TA VB75**	Tanzanite Oval	90pts	7x5mm	166.12



\* prices are per stone & are subject to change without notice.

\*\* subject to availability

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# gemstones

## emerald

### **Emerald Commercial - medium colour, little zoning, slight inclusions**

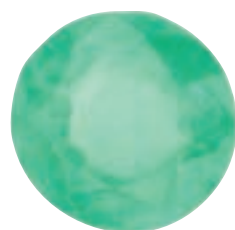
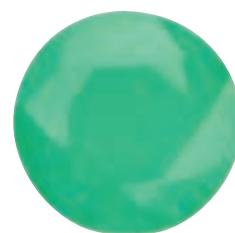
Code	Product	Shape	Size/Ct. Wt.*	£ / each
61EM AGEG	Emerald Commercial	Round	2mm/0.04	1.54
61EM AGEI**	Emerald Commercial	Round	2.25mm/0.05	1.54
61EM AGEK	Emerald Commercial	Round	2.5mm/0.09	1.54
61EM AGEL	Emerald Commercial	Round	2.75mm/0.10	1.61
61EM AGEN	Emerald Commercial	Round	3.0mm/0.13	2.14
61EM AGEO**	Emerald Commercial	Round	3.25mm/0.15	2.47
61EM AGEQ	Emerald Commercial	Round	3.5mm/0.22	3.39
61EM AGER**	Emerald Commercial	Round	3.75mm/0.25	3.39
61EM AGES	Emerald Commercial	Round	4mm-4.5mm/0.26	5.35

### **Emerald Bright Standard - bright colour slight inclusions**

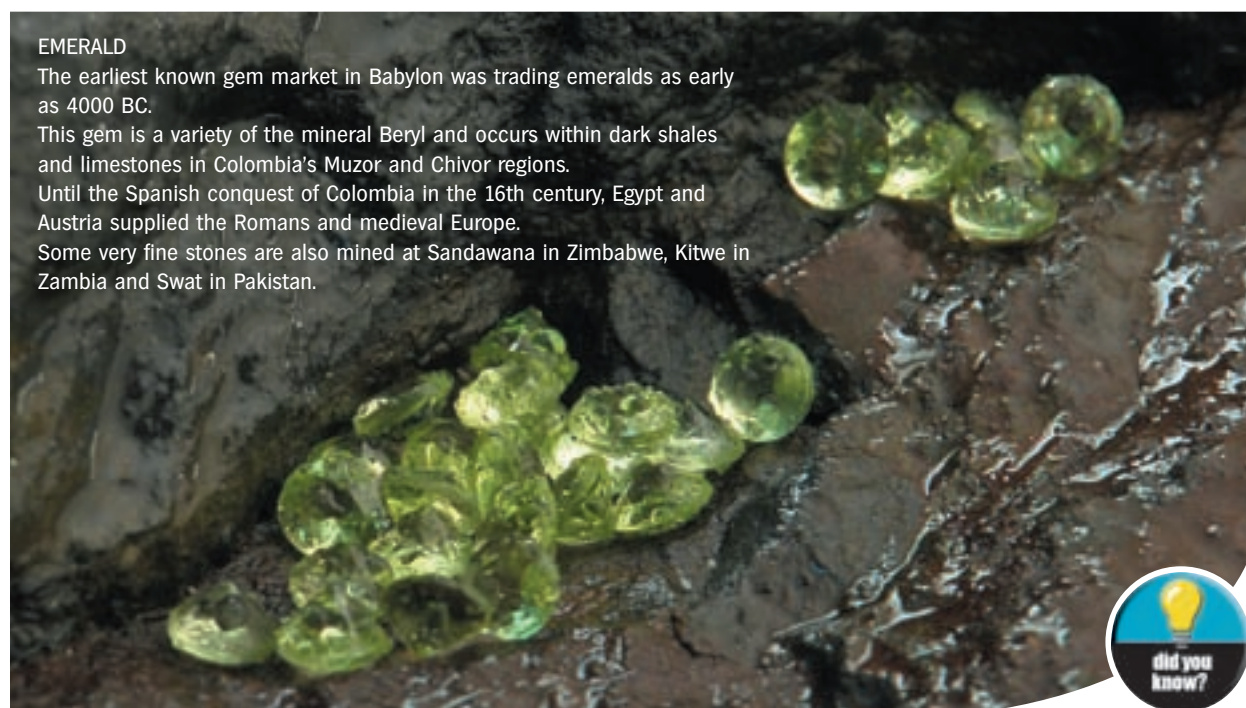
Code	Product	Shape	Size/Ct. Wt.*	£ / each
61EM AGFH	Emerald Bright Standard	Round	2-2.1mm/0.04	1.54
61EM AGFJ**	Emerald Bright Standard	Round	2.2-2.3mm/0.045	1.54
61EM AGFK	Emerald Bright Standard	Round	2.4-2.6mm/0.07	1.54
61EM AGFL**	Emerald Bright Standard	Round	2.7-2.8mm/0.09	2.05
61EM AGFN	Emerald Bright Standard	Round	2.9-3.1mm/0.13	3.30
61EM AGFP**	Emerald Bright Standard	Round	3.2-3.4mm/0.16	4.06
61EM AGFQ	Emerald Bright Standard	Round	3.5-3.6mm/0.21	6.38
61EM AGFR**	Emerald Bright Standard	Round	3.7-4.0mm/0.23	8.49
61EM AGFT	Emerald Bright Standard	Round	4.0-4.5mm/0.26	8.86

\* Carat weight is approximate

\*\* subject to availability



gemstones



#### **EMERALD**

The earliest known gem market in Babylon was trading emeralds as early as 4000 BC.

This gem is a variety of the mineral Beryl and occurs within dark shales and limestones in Colombia's Muzor and Chivor regions.

Until the Spanish conquest of Colombia in the 16th century, Egypt and Austria supplied the Romans and medieval Europe.

Some very fine stones are also mined at Sandawana in Zimbabwe, Kitwe in Zambia and Swat in Pakistan.



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# gemstones

## ruby

### Ruby B Commercial - Burma, pinkish red, little zoning, good cut & polish

Code	Product	Shape	Size/Ct. Wt.*	£ / each
61RU ARHH	Ruby B Commercial	Round	2.0-2.1mm/0.06	1.54
61RU ARHK	Ruby B Commercial	Round	2.5mm/0.09	1.54
61RU ARHM	Ruby B Commercial	Round	2.75mm/0.12	1.54
61RU ARHN	Ruby B Commercial	Round	3.0mm/0.15	2.68
61RU ARHQ	Ruby B Commercial	Round	3.5mm/0.24	4.82
61RU ARHS	Ruby B Commercial	Round	4.0mm/0.34	6.75

### Ruby B Standard - Burma , pinkish red, little zoning, good cut & polish, good brilliance

Code	Product	Shape	Size/Ct. Wt.*	£ / each
61RU ARIG	Ruby B Standard	Round	2.0mm/0.05	2.22
61RU ARIK	Ruby B Standard	Round	2.5mm/0.10	3.31
61RU ARIL	Ruby B Standard	Round	2.75mm/0.13	4.79
61RU ARIN	Ruby B Standard	Round	3.0mm/0.16	4.61
61RU ARIQ	Ruby B Standard	Round	3.5mm/0.23	10.52
61RU ARIS	Ruby B Standard	Round	4.0mm/0.36	23.73

61RU BV54	Ruby B Standard.	Oval	5 x 4mm	24.81
61RU BV64	Ruby B Standard.	Oval	6 x 4mm	39.45

\* Carat weight is approximate



#### RUBY

The rich red of ruby is produced by the presence of chromium in the mineral Corundum. The best ruby's colour is described as "pigeon's blood" and is found in the Mogok area of Burma. The stimulating rich red colour is said to represent heat, life and power and to ensure a peaceful and healthy life.



...settings?  
see page 137



# gemstones

## rhodolite

### Rhodolite Purplish/Red, medium colour

Code	Product	Shape	Size	£/each*
61RH R300	Rhodolite	Round	3.0mm	1.54
61RH R400	Rhodolite	Round	4.0mm	2.47
61RH R500	Rhodolite	Round	5.0mm	6.16

61RH OV53	Rhodolite	Oval	5 x 3mm	1.85
61RH OV64	Rhodolite	Oval	6 x 4mm	3.70
61RH OV75	Rhodolite	Oval	7 x 5mm	9.85
61RH OV86**	Rhodolite	Oval	8 x 6mm	24.00

61RH SQ44	Rhodolite	Square	4 x 4mm	5.85
61RH SQ55	Rhodolite	Square	5 x 5mm	11.69
61RH SQ66	Rhodolite	Square	6 x 6mm	30.15

\* prices are per stone

\*\* subject to availability



gemstones

#### RHODOLITE

Rhodolite, sometimes known as Raspberry Rhodolite Garnet, is a combination of almandine and pyrope. The name is derived from the Greek words rhodon and lithos, meaning rose-stone. It is believed to balance emotion and foster greater awareness.



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# gemstones

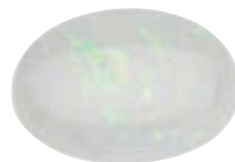
## opal

### Cabochon cut, white base material, medium fire and colour

Code	Product	Shape	Size/Ct. Wt.*	£ / each
61OP BWXR	Opal X Fine	Round Cab	4-4.5mm/0.19	2.42
61OP BWXT	Opal X Fine	Round Cab	5-5.5mm/0.31	4.68



61OP JWXR	Opal X Fine	Oval Cab	5 x 4mm/0.20	3.51
61OP JWXT	Opal X Fine	Oval Cab	6 x 4mm/0.29	3.95
61OP JWXU	Opal X Fine	Oval Cab	7 x 5mm/0.43	7.74
61OP JWXZ**	Opal X Fine	Oval Cab	8 x 6mm/0.75	12.28



\* Carat weight is approximate

\*\* subject to availability



### OPAL

The iridescence of this stone can be seen against a light background (white opal) or a dark background (black opal). When the flash or play of colour is seen inside a transparent stone the name water opal is used. Ancient Romans believed opals to be a symbol of hope because they contain the colours of the rainbow and Arabs thought the fiery colour was created while falling from the sky in flashes of lightning. Care note: Opal is a relatively soft stone, brittle and heat sensitive. DO NOT CLEAN IN AN ULTRASONIC CLEANER



for everything you  
need to create the  
perfect ring turn to  
our rings section

see pages 89



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# gemstones

## fire opal

### Fire Opal - orange, bright colour

Code	Product	Shape	Size	£/each*
61FO AORD	Fire Opal	Round	3.0mm	11.69
61FO AORF	Fire Opal	Round	4.0mm	17.23
61FO AORH	Fire Opal	Round	5.0mm	26.46

61FO IORV	Fire Opal	Oval	6 x 4mm	23.08
61FO IORW	Fire Opal	Oval	7 x 5mm	39.69

61FO PE64	Fire Opal	Pear	6 x 4mm	25.84
61FO PE75	Fire Opal	Pear	7 x 5mm	39.69

\* prices are per stone



gemstones



...a book on gems?  
see page 476



#### FIRE OPAL

These stones tend to have one body of colour, the most common of which is reddish-orange, but they can range from pale yellow to dark orange.



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# gemstones

## moonstone

**Moonstone - Semi-transparent to translucent, blue sheen, medium cabochon**

Codes	Product/ grade	Shape/Cut	Size	£/each*
61MO BWDD	Moonstone 1st	Round Cab	3.0mm	2.47
61MO BWDF	Moonstone 1st	Round Cab	4.0mm	3.39
61MO BWDC**	Moonstone 1st	Round Cab	4.5mm	5.23
61MO BWDH	Moonstone 1st	Round Cab	5.0mm	6.77
61MO BWDJ	Moonstone 1st	Round Cab	6.0mm	14.77

61MO JWDV	Moonstone 1st	Oval Cab	6 x 4mm	5.54
61MO JWDW	Moonstone 1st	Oval Cab	7 x 5mm	9.85

\* prices are per stone

\*\* subject to availability



### MOONSTONE

This captivating gemstone belongs to the large mineral group of the feldspars, consisting of potassium aluminium silicate. It is usually polished as a cabochon, and is often carved with a moon face. Care must be taken when aligning the axes of the crystal precisely into the zenith of the stone as this is the only way in which the desired light effect can be created.



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# gemstones

## citrine

**Citrine Golden medium colour, clean, little colour zoning, good cut**

Code	Product	Shape	Size	£/each*
61CI ABLB	Citrine Gold/Yellow	Round	2.0mm	1.66
61CI ABLD	Citrine Gold/Yellow	Round	3.0mm	1.79
61CI ABLF	Citrine Gold/Yellow	Round	4.0mm	2.77
61CI ABLH	Citrine Gold/Yellow	Round	5.0mm	3.88

61CI IBLV	Citrine Gold/Yellow	Oval	6 x 4mm	3.70
61CI IBLW	Citrine Gold/Yellow	Oval	7 x 5mm	6.16
61CI IBLY	Citrine Gold/Yellow	Oval	8 x 6mm	9.85
61CI IBLZ**	Citrine Gold/Yellow	Oval	9 x 7mm	16.31

61CI CBLV	Citrine Gold/Yellow	Pear	6 x 4mm	3.20
61CI CBLW**	Citrine Gold/Yellow	Pear	7 x 5mm	5.11

61CI UBLE	Citrine Gold/Yellow	Square	3 x 3mm	2.16
61CI UBLF	Citrine Gold/Yellow	Square	4 x 4mm	4.00
61CI UBLH	Citrine Gold/Yellow	Square	5 x 5mm	7.08
61CI UBLJ	Citrine Gold/Yellow	Square	6 x 6mm	14.15

\* prices are per stone

\*\* subject to availability



gemstones



### CITRINE

The golden lemon colour of this member of the quartz family has long been a symbol of light heartedness and joy.



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# gemstones

## tourmaline

### Tourmaline - Pink bright pink, medium colour

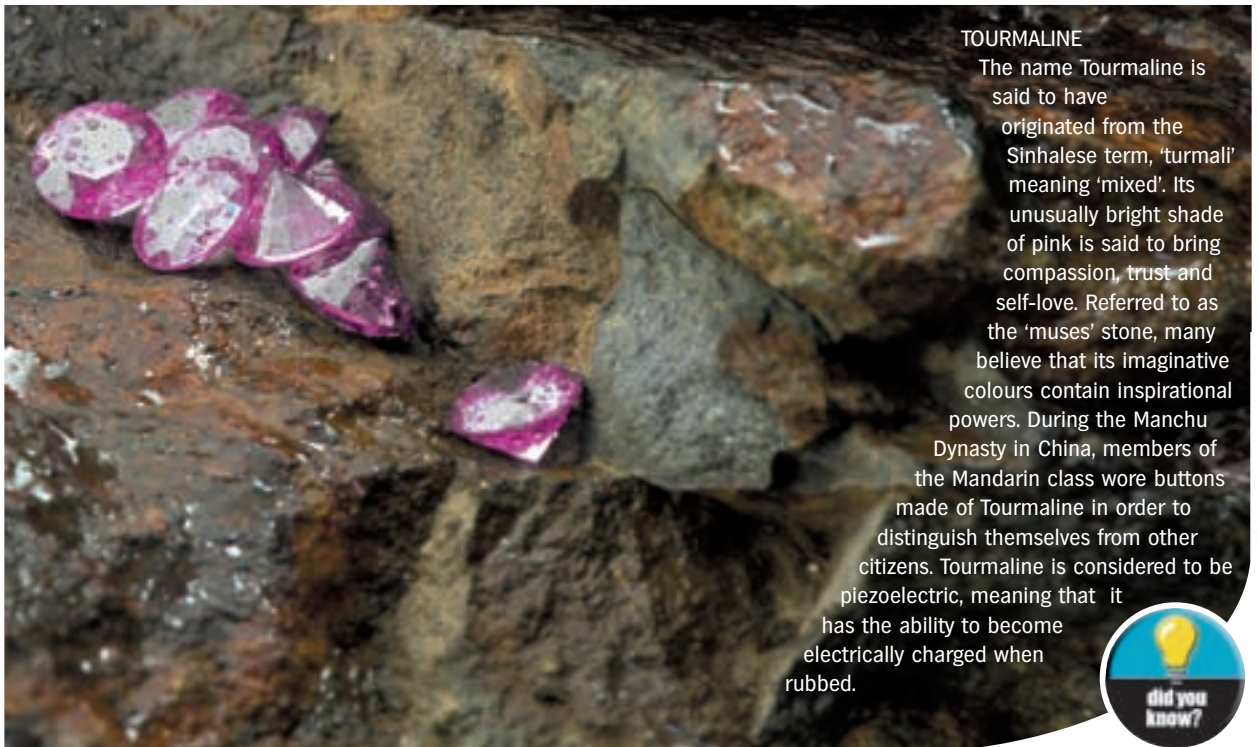
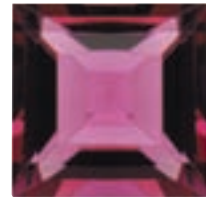
Code	Product	Shape	Size	£/each*
61TR AHPF	Tourmaline Pink	Round	4.0mm	11.51
61TR AHPH	Tourmaline Pink	Round	5.0mm	20.07

61TR IHPV	Tourmaline Pink	Oval	6 x 4mm	15.69
61TR IHPW**	Tourmaline Pink	Oval	7 x 5mm	26.77

61TR PS44**	Tourmaline Pink	Square	4 x 4mm	15.69
61TR PS55**	Tourmaline Pink	Square	5 x 5mm	24.00
61TR PS66**	Tourmaline Pink	Square	6 x 6mm	32.61

\* prices are per stone

\*\* subject to availability



#### TOURMALINE

The name Tourmaline is said to have originated from the Sinhalese term, 'turмали' meaning 'mixed'. Its unusually bright shade of pink is said to bring compassion, trust and self-love. Referred to as the 'muses' stone, many believe that its imaginative colours contain inspirational powers. During the Manchu Dynasty in China, members of the Mandarin class wore buttons made of Tourmaline in order to distinguish themselves from other citizens. Tourmaline is considered to be piezoelectric, meaning that it has the ability to become electrically charged when rubbed.





# gemstones

## peridot

### Peridot Medium colour, yellow green, good cut

Code	Product	Shape	Size	£/each*
61PD A0LC	Peridot	Round	2.5mm	1.54
61PD A0LD	Peridot	Round	3.0mm	1.54
61PD A0LE	Peridot	Round	3.5mm	1.54
61PD A0LF	Peridot	Round	4.0mm	1.54
61PD A0LG	Peridot	Round	4.5mm	1.85
61PD A0LH	Peridot	Round	5.0mm	2.47

61PD I0LV	Peridot	Oval	6 x 4mm	1.85
61PD I0LW	Peridot	Oval	7 x 5mm	3.08
61PD I0LY	Peridot	Oval	8 x 6mm	8.00

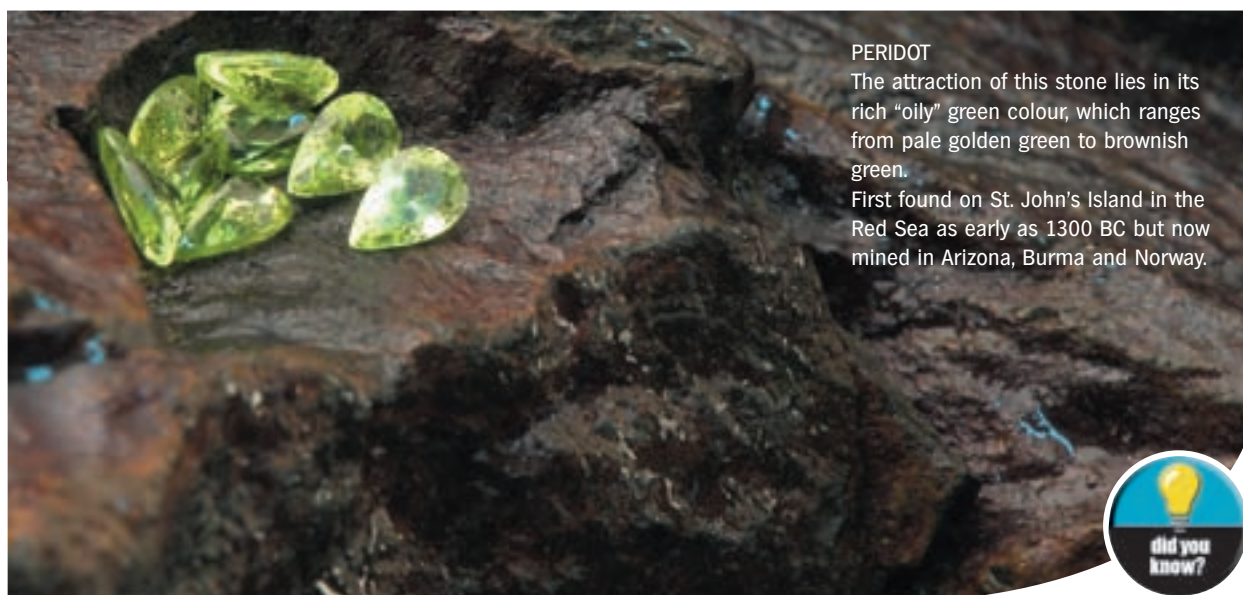
61PD C0LV	Peridot	Pear	6 x 4mm	1.54
61PD C0LW	Peridot	Pear	7 x 5mm	4.31
61PD C0LX	Peridot	Pear	8 x 5mm	7.08

61PD U0LE	Peridot	Square	3 x 3mm	1.54
61PD U0LF	Peridot	Square	4 x 4mm	2.47
61PD U0LH	Peridot	Square	5 x 5mm	8.00
61PD U0LJ	Peridot	Square	6 x 6mm	17.23

\* prices are per stone



gemstones



#### PERIDOT

The attraction of this stone lies in its rich "oily" green colour, which ranges from pale golden green to brownish green.

First found on St. John's Island in the Red Sea as early as 1300 BC but now mined in Arizona, Burma and Norway.



order online: [cooksongold.com](http://cooksongold.com)

# gemstones

## topaz



gemstones

### Topaz- Sky Blue (treated) pastel blue colour, clean, good cut

Code	Product	Shape	Size	£/each*
61TO ADTF	Topaz	Round	4.0mm	1.54
61TO ADTH	Topaz	Round	5.0mm	1.54
61TO UDTE	Topaz	Square	3 x 3mm	1.54
61TO UDTF	Topaz	Square	4 x 4mm	1.54
61TO UDTH	Topaz	Square	5 x 5mm	2.16
61TO UDTJ	Topaz	Square	6 x 6mm	3.14
61TO UDJL	Topaz	Square	8 x 8mm	6.16
61TO CDTU	Topaz	Pear	5 x 3mm	3.39
61TO CDTV	Topaz	Pear	6 x 4mm	3.63
61TO CDTW	Topaz	Pear	7 x 5mm	5.54
61TO E063	Topaz	Marquise	6 x 3mm	1.85
61TO E084	Topaz	Marquise	8 x 4mm	2.77
61TO E105	Topaz	Marquise	10 x 5mm	5.85
61TO E126	Topaz	Marquise	12 x 6mm	6.77
61TO IDTV	Topaz	Oval	6 x 4mm	1.54
61TO IDTW	Topaz	Oval	7 x 5mm	1.85
61TO IDTY	Topaz	Oval	8 x 6mm	3.08
61TO IDTZ	Topaz	Oval	9 x 7mm	4.62
61TO FDTV	Topaz	Oct/Emld Cut	6 x 4mm	2.16
61TO FDTW	Topaz	Oct/Emld Cut	7 x 5mm	3.39
61TO FDTY	Topaz	Oct/Emld Cut	8 x 6mm	4.86
61TO FDTZ	Topaz	Oct/Emld Cut	9 x 7mm	7.08

\* prices are per stone



The finished ring (right) is set with 8 x 6mm Emerald Cut Topaz and uses a Cookson 18ct Octagonal Dress ring. To order the un-set casting quote order code FAN 003



# gemstones

## topaz

### Topaz - London Blue (treated ) medium dark, clean, good cut

Code	Product	Shape	Size	£/each*
61TO ADUB	Topaz	Round	2.0mm	2.40
61TO ADUC	Topaz	Round	2.5mm	2.40
61TO ADUD	Topaz	Round	3.0mm	2.40
61TO ADUE	Topaz	Round	3.5mm	3.51
61TO ADUF	Topaz	Round	4.0mm	3.51
61TO ADUH	Topaz	Round	5.0mm	4.31

61TO UDUD	Topaz	Square	3.0mm	3.39
61TO UDUF	Topaz	Square	4.0mm	4.86
61TO UDUH	Topaz	Square	5.0mm	6.77

61TO FDUV	Topaz	Oct/Emld Cut	6 x 4mm	5.23
61TO FDUY	Topaz	Oct/Emld Cut	8 x 6mm	12.00
61TO FDUZ	Topaz	Oct/Emld Cut	9 x 7mm	18.46

\* prices are per stone



#### TOPAZ

A symbol of love and affection, this clear, bright gemstone is believed to inherit its name from the Sanskrit meaning, 'fire'. Topaz can be found in a variety of colours including yellow, green, orange, pinkish-red and brown. Dug out of sand and gravel blue Topaz is found in Colorado, Nigeria and Russia. Ancient Greeks believed it had the power to increase strength and was also said to change colour in the presence of poisoned food or drink.



order online: [cooksongold.com](http://cooksongold.com)



# gemstones

## amethyst



gemstones

### Medium colour, a little zoning, good cut

Code	Product	Shape	Size	£/each*
61AM APMB	Amethyst Med/Dark	Round	2.0mm	1.54
61AM APMC	Amethyst Med/Dark	Round	2.5mm	1.54
61AM APMD	Amethyst Med/Dark	Round	3.0mm	1.54
61AM APME	Amethyst Med/Dark	Round	3.5mm	1.54
61AM APMF	Amethyst Med/Dark	Round	4.0mm	2.47
61AM APMG	Amethyst Med/Dark	Round	4.5mm	1.85
61AM APMH	Amethyst Med/Dark	Round	5.0mm	2.16
61AM H70	Amethyst Med/Dark	Heart	7 x 7mm	6.16
61AM IPMU**	Amethyst Med/Dark	Oval	5 x 3mm	2.16
61AM IPMV	Amethyst Med/Dark	Oval	6 x 4mm	2.47
61AM IPMW	Amethyst Med/Dark	Oval	7 x 5mm	3.63
61AM IPMY	Amethyst Med/Dark	Oval	8 x 6mm	6.09
61AM IPMZ	Amethyst Med/Dark	Oval	9 x 7mm	9.23
61AM IPMT	Amethyst Med/Dark	Oval	10 x 8mm	20.31
61AM CPMV	Amethyst Med/Dark	Pear	6 x 4mm	2.47
61AM CPMW	Amethyst Med/Dark	Pear	7 x 5mm	3.63
61AM CPMX	Amethyst Med/Dark	Pear	8 x 5mm	4.93
61AM UPME	Amethyst Med/Dark	Square	3 x 3mm	2.77
61AM UPMF	Amethyst Med/Dark	Square	4 x 4mm	3.08
61AM UPMH	Amethyst Med/Dark	Square	5 x 5mm	5.54
61AM UPMJ**	Amethyst Med/Dark	Square	6 x 6mm	10.16
61AM FPMU	Amethyst Med/Dark	Oct/Emld Cut	5 x 3mm	4.62
61AM FPMV	Amethyst Med/Dark	Oct/Emld Cut	6 x 4mm	5.54
61AM FPMW	Amethyst Med/Dark	Oct/Emld Cut	7 x 5mm	8.00
61AM FPMY	Amethyst Med/Dark	Oct/Emld Cut	8 x 6mm	12.92
61AM FPMZ	Amethyst Med/Dark	Oct/Emld Cut	9 x 7mm	22.15

\* prices are per stone

\*\* subject to availability



...gemstone tools?  
see page 216

# gemstones

## amethyst

### Amethyst Cabochon

Code	Product	Shape/Cut	Clarity or Grade	Size	£/each*
61AM BPMD	Amethyst	Round Cab	1st	3mm	1.23
61AM BPMF	Amethyst	Round Cab	1st	4mm	2.47
61AM BPMH	Amethyst	Round Cab	1st	5mm	4.31
61AM BPMK	Amethyst	Round Cab	1st	6mm	5.54
61AM BPMT	Amethyst	Round Cab	1st	10mm	13.85
61AM BPMS**	Amethyst	Round Cab	1st	12mm	19.38



61AM JPMU**	Amethyst	Oval Cab	1st	5 x 3mm	2.16
61AM JPMV	Amethyst	Oval Cab	1st	6 x 4mm	3.88
61AM JPMW	Amethyst	Oval Cab	1st	7 x 5mm	3.88
61AM JPMY	Amethyst	Oval Cab	1st	8 x 6mm	6.09
61AM JPMZ	Amethyst	Oval Cab	1st	9 x 7mm	7.39
61AM JPMT**	Amethyst	Oval Cab	1st	10 x 8mm	11.08



\* prices are per stone

1st grade amethyst has a deep, rich colour.

\*\* subject to availability



#### AMETHYST

Is the best known form of quartz, colour ranging from deep to light purple.

Ancient belief held that anyone wearing an amethyst could not become intoxicated.



order online: [cooksongold.com](http://cooksongold.com)

# gemstones

## pearls

### Cultured Pearl (loose beads)

Full round, half drilled, white colour with hint of pink, medium lustre, little surface marks

Code	Product	Shape/Cut	Size	£/each*
61PL PWQH	Cultured Pearl B	¾ Cut ½ Drill	5.0-5.5mm	4.31
61PL PWQI	Cultured Pearl B	¾ Cut ½ Drill	5.5-6.0mm	4.86
61PL PWQJ	Cultured Pearl B	¾ Cut ½ Drill	6-6.5mm	5.54
61PL PWQK	Cultured Pearl B	¾ Cut ½ Drill	6.5-7mm	6.28
61PL PWQL	Cultured Pearl B	¾ Cut ½ Drill	7-7.5mm	9.85
61PL PWQM	Cultured Pearl B	¾ Cut ½ Drill	7.5-8mm	12.00

### Cultured Pearls (loose beads)

Code	Product	Shape/Cut	Size	£/each*
61PL TW0B	Cultured Pearl	½ Cut not drilled	2.0mm	1.85
61PL TW04	Cultured Pearl	½ Cut not drilled	2.25mm	1.85
61PL TE0C	Cultured Pearl	½ Cut not drilled	2.5mm	2.28
61PL TW05	Cultured Pearl	½ Cut not drilled	2.75mm	2.28
61PL TW0D	Cultured Pearl	½ Cut not drilled	3.0mm	3.08
61PL TW0E	Cultured Pearl	½ Cut not drilled	3.5mm	3.51

### Cultured Pearls (loose beads)

These small pearls are used for clusters or repair work on old broaches.

Code	Product	Shape/Cut	Size	£/each*
61PR TWRA	Cultured Pearl	½ Cut not drilled	PP4/1.0mm	2.47
61PR TWR6	Cultured Pearl	½ Cut not drilled	PP5/1.2mm	2.47
61PR TWR7	Cultured Pearl	½ Cut not drilled	PP6/1.3mm	2.47
61PR TWR8	Cultured Pearl	½ Cut not drilled	PP7/1.4mm	2.47
61PR TWR9	Cultured Pearl	½ Cut not drilled	PP8/1.5mm	2.47
61PR TWR0	Cultured Pearl	½ Cut not drilled	PP10/1.7mm	2.59
61PR TWRB	Cultured Pearl	½ Cut not drilled	PP12/2.0mm	3.08

\* prices are per stone



for pearl clasps  
see pages 284



orderline: 0845 100 11 22



# gemstones

## pearl studs & strings

### Cultured Pearl, half drilled, matched pairs.

Code	Product	Shape/Cut	Size	£/pair
61PL L30	Cultured Pearl	Full Round	3.0mm	2.16
61PL L40	Cultured Pearl	Full Round	4.0mm	6.16
61PL L45	Cultured Pearl	Full Round	4.5mm	6.16
61PL L50	Cultured Pearl	Full Round	5.0mm	9.23
61PL L55	Cultured Pearl	Full Round	5.5mm	13.54
61PL L60	Cultured Pearl	Full Round	6.0mm	14.77
61PL L65	Cultured Pearl	Full Round	6.5mm	19.69
61PL L70	Cultured Pearl	Full Round	7.0mm	25.84
61PL L75	Cultured Pearl	Full Round	7.5mm	36.92

Code	Product	Shape/Cut	Size	£/each
61PL L30P	Cultured Pearl Pink	Full Round	3/3.5mm	1.18
61PL PW34	Cultured Pearl Pink	$\frac{3}{4}$ Cut $\frac{1}{2}$ Drill	3.5/4mm	3.08
61PL PW40	Cultured Pearl Pink	$\frac{3}{4}$ Cut $\frac{1}{2}$ Drill	4/4.5mm	3.70
61PL PW45	Cultured Pearl Pink	$\frac{3}{4}$ Cut $\frac{1}{2}$ Drill	4.5/5mm	6.16
61PL PW60	Cultured Pearl Pink	$\frac{3}{4}$ Cut $\frac{1}{2}$ Drill	6/6.5mm	6.77
61PL PW67	Cultured Pearl Pink	$\frac{3}{4}$ Cut $\frac{1}{2}$ Drill	6.5/7mm	8.00

### Freshwater Cultured Pearls - 40cm string

Code	Product	Shape/Cut	Size	£/string
61PL FR04	Creamy/white	Rice	2mm	3.70



### CULTURED PEARLS

The cultured pearl has been produced in China for several centuries but the modern industry was founded in Japan in the late 19th century.

Cultured pearls are available in a fantastic range of shapes, sizes colours and shades. The iridescent lustre arises from the interference of light reflected from the bounties of the thin layers of nacre, which is deposited on the nucleus inserted into an oyster or mussel.



order online: [cooksongold.com](http://cooksongold.com)

# gemstones

## garnet



gemstones

### Medium dark red, clean, good cut

Code	Product	Shape	Size	£/each*
61GA ARCC	Garnet African	Round	2.5mm	1.54
61GA ARCD	Garnet African	Round	3.0mm	1.54
61GA ARCE	Garnet African	Round	3.5mm	1.54
61GA ARCF	Garnet African	Round	4.0mm	1.54
61GA ARCG	Garnet African	Round	4.5mm	1.54
61GA ARCH	Garnet African	Round	5.0mm	1.85

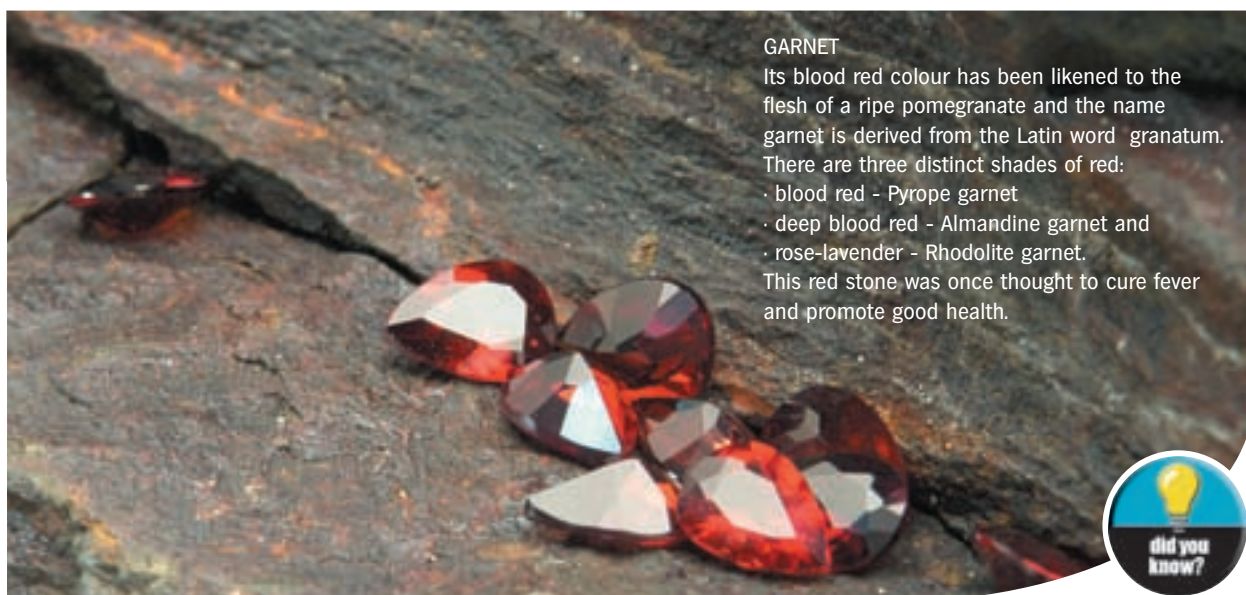
61GA IRCU**	Garnet African	Oval	5 x 3mm	1.54
61GA IRCV	Garnet African	Oval	6 x 4mm	1.54
61GA IRCW	Garnet African	Oval	7 x 5mm	2.16
61GA IRCY	Garnet African	Oval	8 x 6mm	2.77
61GA IRCZ	Garnet African	Oval	9 x 7mm	8.62

61GA CRCV	Garnet African	Pear	6 x 4mm	1.54
61GA CRCX	Garnet African	Pear	8 x 5mm	2.77

61GA URCF	Garnet African	Square	4 x 4mm	1.54
61GA URCH	Garnet African	Square	5 x 5mm	2.16
61GA URCJ	Garnet African	Square	6 x 6mm	4.93

\* prices are per stone

\*\* subject to availability



### GARNET

Its blood red colour has been likened to the flesh of a ripe pomegranate and the name garnet is derived from the Latin word granatum. There are three distinct shades of red:

- blood red - Pyrope garnet
- deep blood red - Almandine garnet and
- rose-lavender - Rhodolite garnet.

This red stone was once thought to cure fever and promote good health.



# gemstones

## briolette drops

These drop shape stones covered with triangular facets are ideal for earrings and pendants. They also make a colourful addition to charm bracelets.

### Citrine

**Golden medium colour, clean, little colour zoning, good cut**

Code	Product	Shape	Size	£/each*
61CI B054	Citrine Gold/Yellow	side drilled	5 x 4mm	9.85
61CI B084	Citrine Gold/Yellow	top drilled	8 x 4mm	17.23

### Peridot

**Medium colour, yellow green, good cut**

Code	Product	Shape	Size	£/each*
61PD B054	Peridot	side drilled	5 x 4mm	14.77
61PD B084	Peridot	top drilled	8 x 4mm	21.54

### Topaz

**Clear colour, good cut**

Code	Product	Shape	Size	£/each*
61TO B054	Topaz Sky Blue	side drilled	5 x 4mm	10.46
61TO B084	Topaz Sky Blue	top drilled	8 x 4mm	16.92

61TO WB54	Topaz white	side drilled	5 x 4mm	7.39
61TO WB84	Topaz white	top drilled	8 x 4mm	14.77
61TO WB12**	Topaz white	top drilled	12 x 6mm	55.38

### Amethyst

**Medium colour, a little zoning, good cut**

Code	Product	Shape	Size	£/each*
61AM B054	Amethyst	side drilled	5 x 4mm	9.85
61AM B084	Amethyst	top drilled	8 x 4mm	16.00

### Garnet

**Medium dark red, clean, good cut**

Code	Product	Shape	Size	£/each*
61GA B054	Garnet African	side drilled	5 x 4mm	9.85
61GA B084	Garnet African	top drilled	8 x 4mm	17.23

### Smokey Quartz

Code	Product	Shape	Size	£/each*
61QZ SB10**	Smokey Quartz	Facetted Pippin side drilled	10 x 8mm	4.31
61QZ SB6F**	Smokey Quartz	Facetted Pippin side drilled	9 x 6mm	3.70

\* prices are per stone

\*\* subject to availability



...pliers?

see page 520



# gemstones

## cornelian & turquoise

### Cornelian - buff top single bevel

Code	Product	Shape/Cut	Size	£/each*
61CO N00Y	Cornelian	Flat Oval	8 x 6mm	2.47
61CO N00Z**	Cornelian	Flat Oval	9 x 7mm	2.75
61CO N001	Cornelian	Flat Oval	10 x 8mm	3.39
61CO N002	Cornelian	Flat Oval	12 x 10mm	3.39
61CO N003	Cornelian	Flat Oval	14 x 12mm	4.31

\* prices are per stone

\*\* subject to availability



The finished ring (below ) is set with 12x10mm Flat Oval Cornelian and uses a Cookson 9ct Rub Over Single Stone Ring.To order the un-set casting quote order code FAC 054

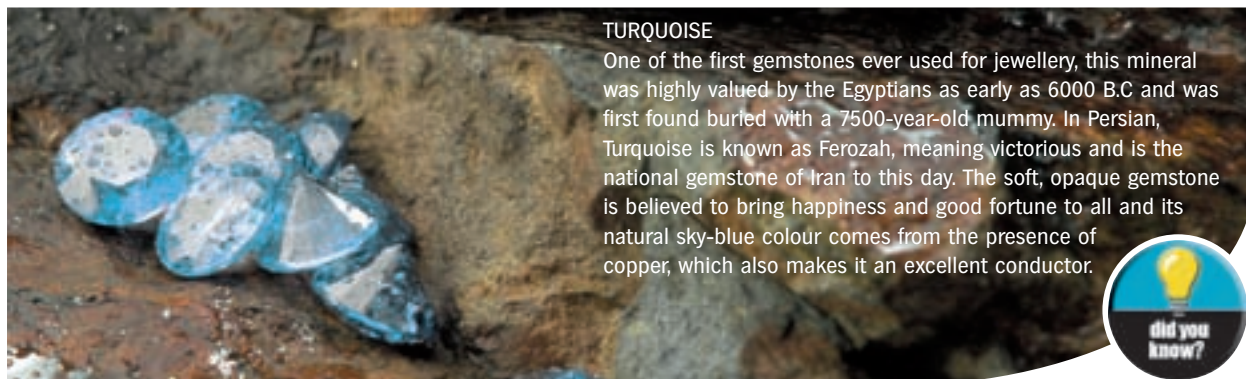


### Turquoise - stabilised, cabochon cut

Code	Product	Shape/Cut	Size	£/each*
61TU BDSB	Turquoise	Round Cab	2.0mm	1.54
61TU BDSD	Turquoise	Round Cab	3.0mm	1.54
61TU BDSF	Turquoise	Round Cab	4.0mm	1.54
61TU BDSH	Turquoise	Round Cab	5.0mm	2.16
61TU BDSJ	Turquoise	Round Cab	6.0mm	3.08

61TU JDSU	Turquoise	Oval Cab	5x3mm	1.54
61TU JDSV	Turquoise	Oval Cab	6x4mm	1.85
61TU JDSW	Turquoise	Oval Cab	7x5mm	3.08
61TU JDSY	Turquoise	Oval Cab	8x6mm	3.70
61TU JDSZ	Turquoise	Oval Cab	9x7mm	4.62

\* prices are per stone



#### TURQUOISE

One of the first gemstones ever used for jewellery, this mineral was highly valued by the Egyptians as early as 6000 B.C and was first found buried with a 7500-year-old mummy. In Persian, Turquoise is known as Ferozah, meaning victorious and is the national gemstone of Iran to this day. The soft, opaque gemstone is believed to bring happiness and good fortune to all and its natural sky-blue colour comes from the presence of copper, which also makes it an excellent conductor.



# gemstones

## onyx & hematite

### Onyx - black, buff top single bevel

Code	Product	Shape/Cut	Size	£/each*
61OX NC0Y	Onyx	Flat Oval	8 x 6mm	1.54
61OX NC0Z	Onyx	Flat Oval	9 x 7mm	1.85
61OX NC01	Onyx	Flat Oval	10 x 8mm	2.16
61OX NC03	Onyx	Flat Oval	14 x 12mm	2.77
61OX NC04	Onyx	Flat Oval	16 x 12mm	2.16
61OX OC02	Onyx	Flat Antique	12 x 10mm	2.77
61OX OC03	Onyx	Flat Antique	14 x 12mm	3.08
61OX NC05**	Onyx	Cab. Oval	16 x 12mm	2.47

\* prices are per stone

\*\* subject to availability



### ONYX

Primarily sourced in the U.S, Germany and Mexico, Onyx occurs naturally in black but can also be found in brown, grey and white. The stone is believed to help change bad habits, its also a good grounding stone which is thought to be useful in deflecting and absorbing the negativity of others.

### Hematite - bright silver grey, good polish, good shape

Code	Product	Shape/Cut	Size	£/each*
61HE M001	Hematite	Round Cab	6.0mm	1.54
61HE M003	Hematite	Oval Cab	7 x 5mm	1.54

\* prices are per stone



### HEMATITE

This opaque gemstone has a metallic grey colour that is very distinctive. The name Hematite derives from a Greek word meaning blood. This is due to the fact that when powdered, Hematite becomes blood red and the pigment found in the stone is called 'red ochre'. Hematite is said to stimulate attainment of peace, self-control and inner happiness.

# gemstones

## tools

Code	Description	Price/£
999 CJY	Portable daylight viewing lamp	57.11
999 209	Eyeglass 10x magnification	4.05
999 218	20x loupe	18.21
999 227	10x loupe, chrome lens holder	17.25
999 229	10x loupe, black rubber lens holder	17.25
999 029	Digital vernier gauge 150mm	86.63
999 074	Moe gauge	45.63
999 89A	Presidium gauge	237.93
999 126	Stone shovel, with handle	4.22
999 128	Sorting tray, black 6"	4.72
999 131	Sorting tray, white 6"	4.72
999 129	Parcel paper, blue/white, Pk of 2	6.36
999 130	Folding paper frame, for holding parcel paper open	5.61



999 CJY

999 126



999 128

999 131



999 129



999 130



999 029

999 074

999 89A



999 209



999 229



999 227





# gemstones

## tools & books

Code	Description	Price/£
999 136	Fine tip stone tweezers*	7.74
999 137	Medium tip stone tweezers*	7.74
999 139	Fine tip, black, stone tweezers*	7.74
999 140	Medium tip, locking tweezers*	7.74
999 141	3 prong, gripper	6.36
999 153	Pearl clamp for holding pearls securely while drilling	12.91
999 CHV	Pearl drill 0.9mm	3.42
999 CHW	Pearl drill 1.0mm	3.42
999 CHX	Pearl drill 1.2mm	3.42
999 CHY	Pearl drill 1.4mm	3.42
999 0129	Gem cloth soft micro fibre cloth for cleaning gems	3.18

\*All tweezers have serrated tips



999 153

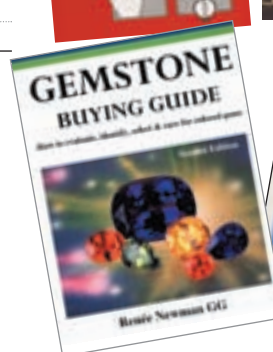
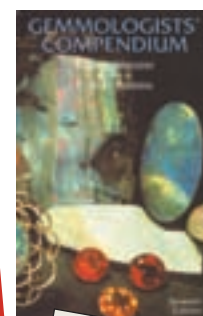


999 0129

gemstones



Code	Description	Price/£
999 ANM	"DIAMONDS" by Marijan Dundek good basic information about diamonds	7.99
999 CB9	"GEMMOLOGISTS COMPENDIUM" (hard back) by R. Webster	20.22
999 ANJ	"STEP BY STEP BEAD STRINGING" by Poris	6.50
999 A24	"GEMSTONE BUYING GUIDE" by Renée Newman	17.50



...diamonds?  
see page 194

order online: [cooksongold.com](http://cooksongold.com)

# gemstones

## stone sizing charts

Round	Carat weights for genuine stones							
Stone (mm)	2	3	4	5	6	7	8	10
amethyst	0.04	0.10	0.20	0.40	0.70	1.30	1.80	3.30
citrine	0.04	0.10	0.20	0.40	0.70	1.30	1.80	3.30
emerald	0.04	0.12	0.27	0.48	0.80	1.70	2.50	6.10
garnet	0.05	0.13	0.30	0.60	1.00	1.60	2.50	5.75
peridot	0.05	0.12	0.26	0.50	0.85	1.25	2.00	5.25
ruby	0.05	0.15	0.34	0.65	1.05	1.60	2.25	4.50
sapphire	0.05	0.15	0.34	0.65	1.05	1.60	2.25	4.50
blue topaz	0.04	0.11	0.30	0.56	1.00	1.55	2.50	5.75

Pear	Carat weights for genuine stones							
Stone (mm)	5x3	6x4	7x5	8x5	9x6	10x7	13x8	14x10
amethyst	0.20	0.35	0.65	0.85	1.25	1.70	4.00	5.00
citrine	0.20	0.35	0.65	0.85	1.30	1.70	4.00	5.00
emerald	0.25	0.45	0.70	1.05	1.70	2.60	4.15	6.10
garnet	0.25	0.40	1.00	1.15	1.30	1.80	3.50	5.80
peridot	0.25	0.45	0.70	0.80	1.10	1.40	3.40	4.75
ruby	0.30	0.50	0.75	1.00	1.85	2.50	4.75	7.90
sapphire	0.30	0.50	0.75	1.00	1.85	2.50	4.75	7.90
blue topaz	0.25	0.50	1.00	1.10	2.00	3.50	6.50	8.50

Oval	Carat weights for genuine stones								
Stone (mm)	5x3	6x4	7x5	8x6	9x7	10x8	11x9	12x10	14x10
amethyst	0.23	0.45	0.85	1.25	1.75	2.40	3.20	4.50	6.50
citrine	0.23	0.45	0.85	1.25	1.75	2.40	3.25	4.20	5.20
emerald	0.28	0.52	0.85	1.00	1.60	2.25	3.75	5.00	7.50
garnet	0.25	0.55	1.00	1.40	2.10	2.80	3.75	5.00	7.00
peridot	0.28	0.50	0.95	1.35	2.00	2.50	3.50	4.00	6.00
ruby	0.35	0.60	1.00	1.55	2.20	3.15	3.80	6.00	7.25
sapphire	0.35	0.60	1.00	1.55	2.20	3.15	3.80	6.00	7.25
blue topaz	0.27	0.57	1.10	1.60	2.50	3.50	4.50	6.00	8.80



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# gemstones

## stone sizing charts

Navette	Carat weights for genuine stones					
Stone (mm)	4x2	6x3	8x4	10x5	12x6	14x7
amethyst	0.10	0.20	0.48	0.90	1.59	2.45
citrine	0.10	0.20	0.50	0.90	1.59	2.45
emerald	0.09	0.30	0.60	1.10	1.80	2.80
garnet	0.09	0.25	0.60	1.20	2.00	2.85
peridot	0.10	0.25	0.50	1.00	2.00	2.55
ruby	0.13	0.35	0.75	1.15	2.20	3.00
sapphire	0.13	0.35	0.75	1.15	2.20	3.00
blue topaz	0.07	0.30	0.70	1.20	2.00	3.40

Baguette	Carat weights for genuine stones								
Stone (mm)	5x3	6x4	7x5	8x6	9x7	10x8	11x9	12x10	14x10
amethyst	0.35	0.55	1.00	1.60	2.25	2.90	4.20	5.60	7.25
citrine	0.35	0.55	1.00	1.60	2.25	2.90	4.20	5.60	7.25
emerald	0.30	0.60	0.90	1.80	2.31	3.15	4.50	5.25	5.80
garnet	0.40	0.80	1.20	1.70	2.50	3.50	4.30	6.35	9.00
peridot	0.35	0.60	1.00	1.70	2.25	3.80	5.25	6.25	8.80
ruby	0.55	0.75	1.15	1.60	2.30	2.75	4.00	6.25	9.00
sapphire	0.55	0.75	1.15	1.75	2.30	2.75	4.00	6.25	9.00
blue topaz	0.40	0.65	1.25	2.40	3.40	4.00	5.75	8.00	9.50

Round	Carat weight for CZ's all colours								
Size (mm)	1.0	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.0
Approx. ct wt	0.008	0.024	0.036	0.045	0.055	0.095	0.130	0.160	0.180
Size (mm)	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0
Approx. ct wt	0.380	0.450	0.650	0.850	1.100	1.450	1.80	2.30	3.25
Size (mm)	9.0	10.0	11.0	12.0					
Approx. ct wt	5.20	7.75	8.75	11.65					





# gemstones

## diamond sizing charts



### Know your stone cuts...

#### Round Cut Stones

This cut produces maximum fire (countless multi-coloured flashes of light) and brilliance, which is why it is often used as a benchmark to which other cuts are compared. There are 33 facets on the crown and 25 on the pavilion (lower portion).

#### Marquise Cut Stones

The finest Marquise cuts have a length to width ratio of 2:1. It is believed that this cut was commissioned by King Louis XV to resemble the smile of the Marquise de Pompadour, his mistress.

#### Oval Cut Stones

With a well proportioned cut, the oval gives a similar sparkle to the round cut, as it has the same number of facets. If the length : width ratio is poor this cut can lack lustre.

#### Princess Cut Stones

A more contemporary cut with numerous facets resulting in both brilliance and fire.

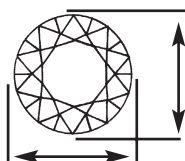
#### Emerald Cut Stones

This cut produces a dramatic effect, tending to flash rather than sparkle, due to the long stepped facets. Internal flaws are easier to identify in this cut.

#### Pear Cut Stones

The depth of this classic teardrop shape affects the gem's brilliance. This cut is perfect for earrings and pendants.

### Round Stones



#### carat to mm

carat weight mm size

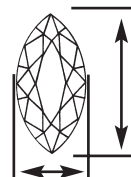
0.005	1.0
0.01	1.3
0.015	1.5
0.02	1.7
0.025	1.8
0.03	2.0
0.035	2.1
0.04	2.2
0.05	2.4
0.06	2.5
0.07	2.7
0.08	2.8
0.09	2.9
0.10	3.0
0.11	3.1
0.12	3.2
0.14	3.3
0.15	3.4
0.16	3.5
0.17	3.6
0.18	3.7
0.20	3.8
0.22	3.9
0.25	4.0
0.30	4.2
0.33	4.4
0.35	4.5
0.38	4.6

#### carat to mm

carat weight mm size

0.40	4.8
0.50	5.0
0.60	5.4
0.63	5.5
0.65	5.6
0.75	6.0
0.95	6.4
1.00	6.6
1.17	6.8
1.25	7.0
1.33	7.2
1.50 - 1.75	7.5
1.75	7.8
2.00	8.0
2.15	8.4
2.25	8.6
2.50 - 3.00	9.0
3.00	9.4
3.15	9.6
3.35	9.8
3.50	10.0
3.75	10.2
4.00	10.4
4.25	10.6
4.50	10.8
4.75	11.0
5.00	11.2
6.00 - 7.00	12.0

### Marquise Stones



#### carat to mm

carat weight mm size

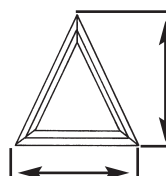
0.07	3.5x1.5
0.10	4x2
0.20	5x2
0.20 - 0.25	5x3
0.25	5.5x2.5
0.30	6x3
0.35	7x3
0.38	7x3.5
0.40	7x4
0.50	8x4
0.65	8.5x4.5
0.70	9x4
0.75	9x4.5
0.80	9x5

#### carat to mm

carat weight mm size

0.85	9.5x4.5
1.00	10x4.75
1.00 - 1.25	10x5
1.50	11x5
1.50 - 1.75	11x5.5
2.00	12x6
2.50	13x5.5
2.50 - 2.75	13x6
2.75 - 3.00	14x6.5
3.00	14x7
3.50 - 4.00	15x7
4.50	16x8
7.00	18x9
10.00	20x10

### Triangular Shaped Stones



#### carat to mm

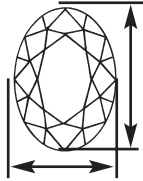
carat weight mm size

0.50	4x4x4
0.75	5x5x5
1.00	6x6x6
1.50	7x7x7
2.00	8x8x8
2.50	9x9x9
3.00	10x10x10

# gemstones

## diamond sizing charts

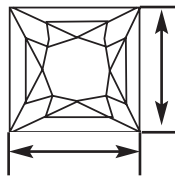
### Oval Stones



carat to mm  
carat weight mm size

0.20	4x3
0.25	5x3
0.33	5x3.5
0.40	5x4
0.50	6x4
0.65	6.5x4.5
0.75	7x5
1.00	7.5x5.5
1.25	8x6
1.50	8.5x6.5
1.75	9x6
2.00	9x7
2.50	9.5x7.5
3.00	10x8
3.50	10x8.5
4.00	11x9
4.50	11x9.5
5.00	12x10

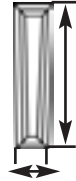
### Princess Stones



carat to mm  
carat weight mm size

0.06	2.0
0.08	2.25
0.10	2.5
0.13	2.75
0.15	3.0
0.20	3.25
0.23	3.5
0.25	3.75
0.30	4.0
0.35	4.25
0.40	4.5
0.50	4.75
0.63	5.0
0.75	5.25
1.00	5.5
1.25	6.0
1.6	7.0
2.25	8.0

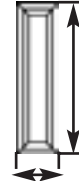
### Tapered Baguette Cut Stones



carat to mm  
carat weight mm size

0.04	3x1x0.05
0.06	3x1x5.1
0.09	3.5x1.5x1
0.15	3.5x2.5x1
0.12	4x2x1
0.15	4.5x2x1
0.20	5x2x1.5

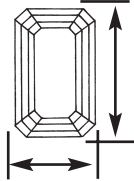
### Baguette Cut Stones



carat to mm  
carat weight mm size

0.05	3x1.5
0.09	3x2
0.11	3.5x2
0.16	4x2
0.20	5x2
0.25	5x2.5
0.30	5x3
0.30	6x2
0.40	6x3
0.60	6x4

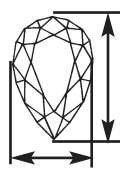
### Emerald Cut Stones



carat to mm  
carat weight mm size

0.20	4x3
0.25	5x3
0.50	6x4
0.75	6.5x4.5
1.00	7x5
1.50	8x6
2.00	8.5x6.5
2.50	9x7
3.00	10x8
4.00	11x9
5.00	12x10
5.00	12x10

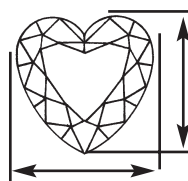
### Pear Shaped Stones



carat to mm  
carat weight mm size

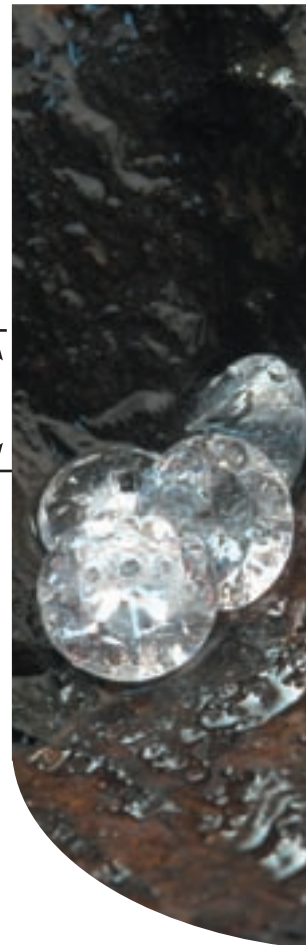
0.20	4x2
0.30	5x3
0.50	6x4
0.75	7x5
1.00	8x5
1.50	9x6
2.00	10x7
2.50	12x7
3.00	12x8
3.50	13x8
4.00	14x8
5.00	15x9

### Heart Shaped Stones



carat to mm  
carat weight mm size

0.25	4x4
0.50	5x5
0.65	5.5x5.5
0.75	6x6
1.00	6.5x6.5
1.50	7x7
2.00	8x8
2.50	8.5x8.5
3.00	9x9
3.50	9.5x9.5
4.00	10x10
4.50	10.5x10.5
5.00	11x11



# gemstones

## cleaning guide

CLEANING GUIDE								
	Hardness	Toughness	Steaming	Ultrasonic	Boiling	Chemical Cleaners	Mild Cleaners & Soap	Untreated Cloth
Alexandrite	8 1/2	excellent	yes	yes	no	yes	yes	yes
Amber	2 - 2 1/2	poor	no	no	no	no	no	yes
Amethyst	6 1/2 - 7	good	no	no	no	yes	yes	yes
Aquamarine	7 1/2 - 8	fair	no	no	no	yes	yes	yes
Citrine	6 1/2 - 7	good	no	no	no	yes	yes	yes
Coral	3 - 4	fair	no	no	no	no	no	yes
Diamond	10	good	yes	yes	yes	yes	yes	yes
Emerald	7 1/2 - 8	poor	no	no	no	no	yes	yes
Garnet	6 1/2 - 7 1/2	good	no	no	no	yes	yes	yes
Lapis Lazuli	5 - 6	fair	no	no	no	yes	yes	yes
Opal	5 1/2 - 6 1/2	poor	no	no	no	no	no	yes
Pearl	2 1/2 - 4 1/2	poor	no	no	no	no	yes**	yes
Peridot	6 1/2 - 7	poor	no	no	no	no	no	yes
Ruby	9	excellent	yes	yes	no	yes	yes	yes
Sapphire	8	excellent	yes	yes	no	yes	yes	yes
Spinel	8	good	yes	yes	no	yes	yes	yes
Tanzanite	6 1/2	poor	no	no	no	no	yes	yes
Topaz	8	poor	no	no	no	no	yes	yes
Tourmaline	7 - 7 1/2	good	no	no	no	yes	yes	yes
Turquoise	5 - 6	good	no	no	no	no	no	yes

\*\* special cleaner

### Hardness

This is as per the Mohs scale of hardness

### Toughness

Is the rating which refers to how the stone will react to the various processes used during manufacturing & repair of jewellery. A rating of "excellent" means the stone is reasonably safe as long as all due care is exercised. A stone which is "poor" means extreme care is needed or the processes avoided entirely. The table above only shows the various cleaning process, similar care is needed when soldering, polishing and pickling.

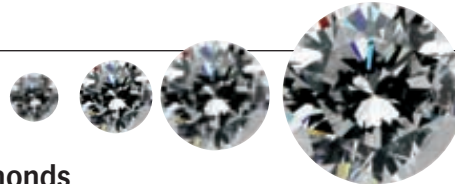




# gemstones

## diamonds

### The “4 C’s”



### The “Four C’s” provide a standard for evaluating diamonds

The first steps in helping your customers choose diamonds is to clearly convey the meaning and importance of the Four Cs: colour, cut, clarity and carat weight. Next, determine how much your customers plan to spend or what size and quality they want. From there you can guide them to the best value for their money.

Customers often are not well informed. You hold the key to increased diamond sales with the information you can share. Explain the Four Cs, encourage their questions and show them you're interested in their decisions. They'll appreciate having the benefit of your expert knowledge, and it will keep them coming back.

### Colour

Diamonds can cover the entire spectrum of colours. The majority range from a perceptible yellow or brownish tint up to the very rare diamonds described as colourless.

Colourless diamonds are the most desirable since they allow the most reflection of light. Off-white diamonds absorb light, inhibiting brilliance. You can best observe diamond colour by placing the stone tableside up on a flat white surface or grading trough, and examining it from different angles. Next place it tableside down, and examine it through the pavilion facets.

D E F	G H I J	K L M	N O P Q R	S T U V W X Y Z
Colourless	Near Colourless	Faint Yellow	Very Light Yellow	Light Yellow



### GIA Colour Grading Scale

Cut has the greatest influence on the diamond's fire and brilliance. A round, brilliant-cut diamond has 58 facets. When well proportioned, this shape best shows the stone's brilliance because it allows the most light to be reflected back to the eye of the observer. Stones that appear lifeless or seem dark in the centre are probably poorly cut. When the angle relationship between the crown and pavilion facets is correct, rays of light entering the diamond strike the rear facets at an angle greater than the critical angle (24.5 degrees for a diamond) and reflect back to the eye of the observer. If the stone is cut too deeply, the light strikes the rear facets at an angle less than the critical angle and the light is lost through the sides of the diamond. If the stone cut is too shallow, the light passes through the diamond without being reflected back.

The finished ring (left) is set with 5 x 4mm round Diamonds and uses a Cookson 18ct White Wedding Band. To order the un-set Wedding ring blank quote order code FPK 059P



The finished ring (below) is set with 2mm Round / 3 point Diamonds, and uses a Cookson 9ct Flat Wedding Band. To order the un-set wedding ring blank quote order code TAFH 04M



# gemstones

## diamonds

### Clarity

Most diamonds contain minute traces of non-crystallized carbon and internal stress fractures. Called inclusions, most of these are not apparent to the naked eye but can be seen in loose stones under magnification. Perfect clarity means that no inclusions are discernible when the diamond is examined under a 10x lens.

Inclusions greatly affect the beauty and value of a diamond because they absorb the light rather than allowing it to be reflected back through the front of the stone. How much they reduce the value of a diamond depends on their size, number and position within the stone. An inclusion in the centre of a diamond beneath the table is more visible than one near the edge. It also may be mirrored many times by adjoining facets.

CLARITY GRADES		
GIA		CIBJO
Flawless (FL)*	Shows no inclusions or blemishes under 10x magnification	Loupe Clean (LC)
Internally Flawless (IF)**	Shows no inclusions and only insignificant blemishes under 10x magnification	
Very Very Slightly (VVS)	Contain minute inclusions that are difficult for an experienced grader to locate at 10x magnification	Very Very Small Inclusions
Included (VVS)		
WS1	Inclusions are extremely difficult to see	WS1
WS2	Inclusions are very difficult to see	WS2
Very Slightly Included (VS)	Contain minor inclusions under 10x magnification. Small crystals, feathers and clouds are typical.	Very Small Inclusions (VS)
VS1	Inclusions that are difficult to see	VS1
VS2	Inclusions are somewhat difficult to see	VS2
Slightly Included (SI)	Contain noticeable inclusions under 10x magnification	Small Inclusions (S1)
SI1	Inclusions are easy to see	SI1
SI2	Inclusions are very easy to see [may be seen with the unaided eye]	SI2
Imperfect (I)	Contain obvious inclusions under 10x magnification, which can often be seen easily face-up with the unaided eye. They may seriously affect the stone's potential durability, or are so numerous they affect the stone's transparency and brilliance.	Pique (P)
I1	Beauty or durability are somewhat affected	P1
I2	Beauty or durability are seriously affected	P2
I3	Beauty and durability are very seriously affected	P3

INFORMATION SUPPLIED BY THE GEMMOLOGICAL ASSOCIATION

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# gemstones

## diamonds


























### Carat Weight

The term carat comes from the ancient practice of weighing diamonds against the seeds of the carob tree.

The system was eventually standardized, and one carat was fixed at 0.2 grams. One carat is divided into 100 points, so a quarter-carat diamond is 25 points or 0.25 carat.

Although carat is a unit of weight, not size, the carat weight of a diamond has come to refer to particular sizes. If properly cut, diamonds of the same weight should be about the same size. These sizes don't apply to other gems, however, because their specific gravities differ from a diamond's.

DIAMETER AND CORRESPONDING CARAT WEIGHT

				
.03cts 2.0mm	.05cts 2.5mm	.07cts 2.7mm	.10cts 3.0mm	.15cts 3.4mm
				
.20cts 3.8mm	.25cts 4.1mm	.30cts 4.5mm	.40cts 4.8mm	.50cts 5.2mm
				
.65cts 5.6mm	.75cts 5.9mm	.85cts 6.2mm	1cts 6.5mm	1.25cts 7mm
				
1.50cts 7.4mm	1.75cts 7.8mm	2cts 8.2mm	2.25cts 8.6mm	2.50cts 9.0mm
				
3cts 9.3mm	4cts 10.2mm	5cts 11.0mm	6cts 11.7mm	7cts 12.4mm



The finished ring (above) is set with 3mm Square / 15 point Diamond, and uses a Cookson 9ct White Wedding Band. To order the un-set wedding ring blank quote order code THCH 04H



The finished ring (above) is set with 4mm Round / 25 point Diamond, and uses a Cookson 18ct White 4 claw single stone ring. To order the un-set casting quote order code FPR 02P



The finished ring (above) is set with 1.3mm Round / 1 points Diamond, and uses a Cookson 18ct Yellow & White Eternity Ring. To order the un-set casting quote order code FQK 04P

### General Information

All weight, size and grade information given is for guidance only. The grade and quality stated is given as an opinion and all stones are sold 'as seen'. In some cases certification can be obtained by special request at an additional cost.

### Pricing of Gem Stones:

All prices quoted are exclusive of VAT (17½%) and will be per carat weight, or per piece, as appropriate.

**order online: [cooksongold.com](http://cooksongold.com)**



# gemstones

## birth stones guide

JANUARY	Garnet	This lovely red stone has symbolized many things: fire, faith, truth, grace and fidelity.
FEBRUARY	Amethyst	According to Greek legend, Bacchus created this beautiful purple stone, thus anyone wearing an amethyst could not become intoxicated.
MARCH	Aquamarine	Ancient Greeks believed aquamarine held the spirit of the sea. To the early Christians it symbolized harmony, happiness, innocence, youthfulness and purity.
APRIL	Diamond	Everyone's best friend. It symbolizes eternity and courage.
MAY	Emerald	Gem-quality emeralds are so rare they are considered more valuable than diamonds. The ancient Egyptian emerald mines near the Red Sea were worked as early as 2000 B.C., and were the main source of emeralds for the West until the 16th century. By this time finer quality emeralds were being mined in Columbia.
JUNE	Pearl	Its rich white lustre symbolizes a pure heart.
JULY	Ruby	Rubies are believed to have great powers, ensuring a peaceful, harmonious and healthy life. It is also thought to control one's passions and thoughts.
AUGUST	Peridot	This stone was mined as early as 1300 B.C. near the Red Sea. Today they are found in Arizona and Asia.
SEPTEMBER	Sapphire	Persians believed the earth rested on an enormous sapphire and the sky reflected its colour.
OCTOBER	Opal	This stone is said to bring emotional, physical and mental harmony. Fire opals are said to stimulate passion.
NOVEMBER	Topaz	The ancient Greeks called topaz the "Stone of Strength". During medieval times the topaz was thought to heal both physical and mental disorders.
DECEMBER	Turquoise	This stone was worshipped by the Incas and Aztecs, believing in its power to bring good fortune.

