

### Size to Weight Conversion for Round Cubic Zirconia

Size (mm)	Ct Weight
1.25	0.015
1.50	0.03
1.75	0.045
2.00	0.06
2.25	0.08
2.50	0.11
2.75	0.15
3.00	0.20
3.25	0.25
3.50	0.50
3.75	0.40
4.00	0.45
4.25	0.50
4.50	0.60
4.75	0.75
5.00	0.80
5.25	1.00

Size (mm)	Ct Weight
5.50	1.15
5.75	1.25
6.00	1.40
6.25	1.60
6.50	1.75
6.75	2.00
7.00	2.45
7.25	2.50
7.50	2.80
7.75	3.00
8.00	3.40
8.25	3.65
8.50	4.00
8.75	4.35
9.00	4.60
9.50	5.60
10.00	6.50



Agate	瑪瑙
Alexandrite	亞力山大石， 金綠玉變石
Almandine Garnet	紫紅榴石， 深紅柘榴石
Amazonite	亞馬遜石，天河石
Amber	琥珀
Amethyst	紫水晶，紫晶
Andradite Garnet	鈣鐵柘，榴子石
Andalusite	紅柱石，安德路西石
Apatite	磷灰石
Aquamarine	湖水石，天青石， 水藍寶石
Aventurine	東陵玉，印度玉
Benitoite	藍錐礦
Beryl	綠寶石，綠柱石
Black Jade	黑玉
Black Onyx	黑安力士
Bloodstone	血石
Blue Lace Agate	藍瑪瑙
Blue Sapphire	藍寶石，藍寶
Bowenite	鮑文石
Jadeite	緬甸玉
Chalcedony	石髓
Chrysoberyl	金綠寶石
Chrysoberyl Cat's Eye	貓眼石
Chrysocolla	矽銅石，矽孔雀石
Chrysoprase	綠石髓，翠石髓
Citrine	黃晶石
Colorless Beryl	白柱石
Conch Pearl	貝珠
Coral	珊瑚
Carnelian	紅石髓
Corundum	鋼玉，剛石
Crystal	水晶
Cubic Zirconia	蘇聯鑽石
Cultured Pearl	養珠
Danburite	養黃晶
Demantoid Garnet	翠榴石
Diamond	鑽石

## Chinese Translation (Pg. 2)

Diopside	透輝石
Emerald	祖母綠，呂宋玉
Enstatite	頑火輝石
Feldspar	長石
Flourite	螢石
Garnet	加力，柘榴石
Golden Sandstone	金沙石
Gold Stone	金石
Green Beryl	綠柱石
Green Sapphire	綠剛玉
Green Stone	綠石
Grossularite Garnet	非洲石，鈣鋁榴石
Hematite	烏剛石，赤鐵礦
Hessonite	褐黃榴石
Hiddenite	鉍翠玉
Idocrase \ Vesuvianite	符山石/加洲石
Iolite	黃青石
Jade	玉，翡翠，緬甸玉
Jasper	碧石
Kunzite	鉍紫玉，鉍藍石
Labradorite	灰長石，灰斜長石
Lapis Lazuli	青金石
Malachite	孔雀石
Marcasite	瑪卡賽石，黃鐵石
Melanite	黑鈣鐵榴石
Moonstone	月石，月光石
Neolithic Turquoise	松石
Nephrite	加拿大玉，台灣玉
Onyx	安力士
Opal	閃山雲
Orthoclase Feldspar	正長石
Pearl	珍珠
Peridot	橄欖石，電光石
Pink Beryl	粉紅柱石
Pyrite	黃鐵礦
Pyrope Garnet	火紅榴子石，紅榴石
Quartz	水晶，石英
Rhodochrosite	菱錳礦石
Rhodolite Garnet	玫瑰榴石



## Chinese Translation (Pg. 3)

Rhodonite Rock Crystal	蔷薇輝石
Rock Crystal	水晶，無色水晶
Rose Quartz	芙蓉石，玫瑰水晶
Ruby	紅寶石
Rutile	金紅石
Sapphire	藍寶石
Sard	深紅石髓
Scapolite	柱石
Sea \ Salt Water Pearl	淡水珠
Serpentine	新山玉，蛇紋玉
Sinhalite	錫蘭石
Smoky Quartz	茶晶
Sodalite	方鈉石，藍鈉石
South Sea Pearl	南洋珠
Spessartite Garnet	錳鋁柘榴子石
Sphene	榭石
Spinel	尖晶石
Spodumene	鋰輝石
Star Ruby	紅星石，紅寶星石
Star Sapphire	藍星石，藍寶星石
Strontium Titanate	人造二氧化鈦石
Synthetic Diamond	人造模仿鑽石， 鈹鋁石
Synthetic Rutile	神石，瑞士鑽石
Sunstone	日長石
Taiwan Nephrite	台灣玉
Tanzanite	坦桑石，丹泉石
Tiger Eye	虎眼石
Topaz	黃晶，黃石英
Tourmaline	電氣石，碧璽， 綠晶石
Tsavorite	非洲玉，綠榴石
Turquoise	土耳其石，松石
White Sapphire	白剛玉
Williamsite	威廉石
Yellow Beryl	黃柱石
Yellow Feldspar	黃長石
Yellow Sapphire	黃剛玉
Zircon	風信子石，鈷石



## **Attributes that Impart Value to Gem Materials**

### **Beauty:**

Beauty is in the eye of the beholder. Those who see more beauty in particular materials will value them more highly.

### **Rarity:**

Forged under intense heat and pressure, deep beneath the earth, gem materials require unique conditions to be created. Nature must work in exceptional ways to produce some materials. Rarity is highly prized.

### **Durability:**

Gem materials must stand the test time without showing that time has passed.

### **Toughness:**

If they are to be handled and touched by many, gem materials must tenaciously endure.

### **Stability:**

Entering the atmosphere where there is harsh sunlight, corrosive agents and extreme changes in temperature and humidity, gem materials must remain unchanged.

Faceting, carving, polishing and setting are methods used to enhance and show the various attributes of the materials. This is done in conjunction both with the properties of the materials as well as the five attributes above to impart value. If everything is exceptional a unique and stunning piece will be created that will endure forever.

### **Simple Cleaning solution:**

1/4 liter Water

1/2 Teaspoon Dishwashing Soap (No oils)

1 1/2 Tablespoons Vinegar

Clean with brush and rinse fully before drying.

Note: Do not use with Emerald and Pearl.

