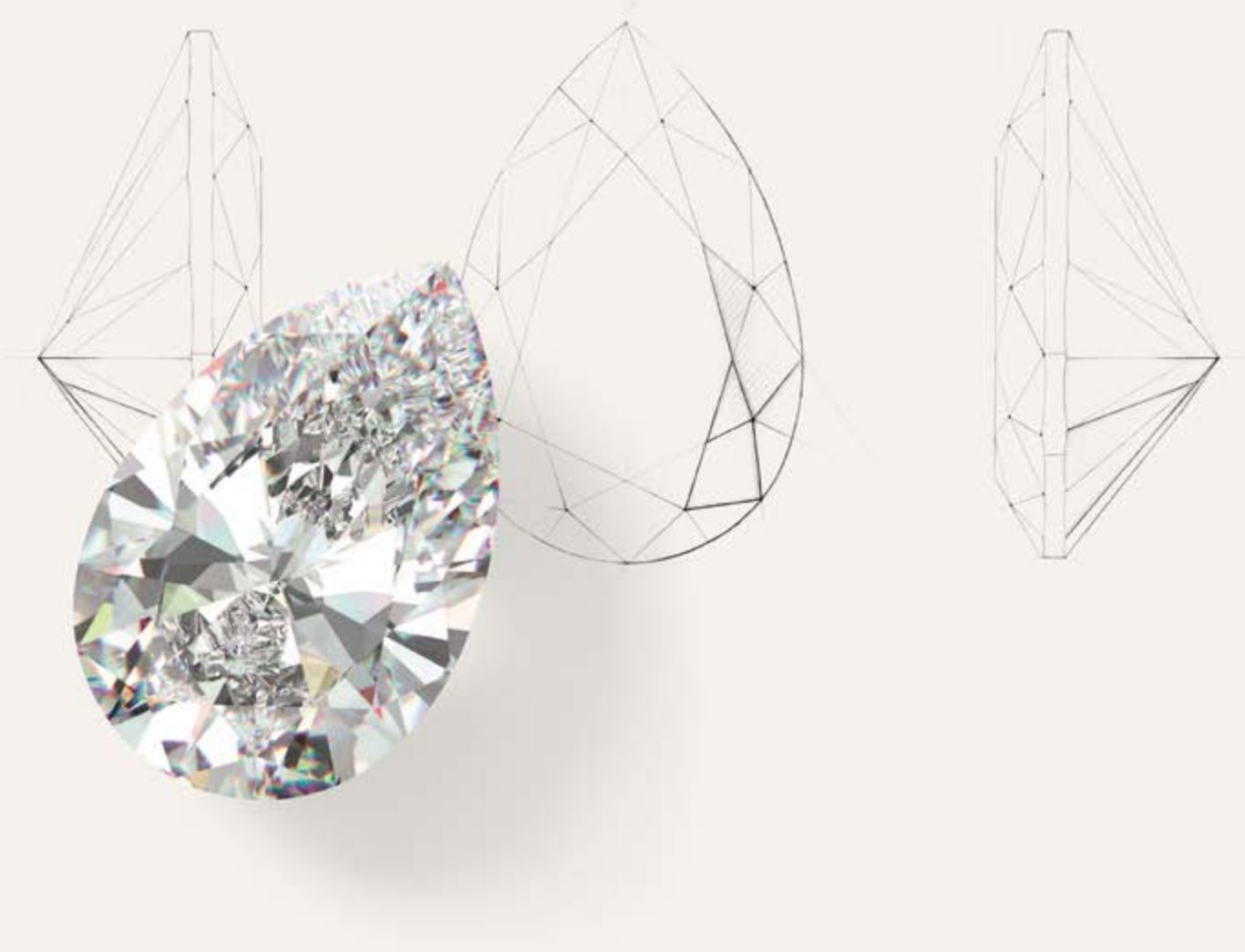
Contents

Swarovski Zirconia Collection



Basic Information

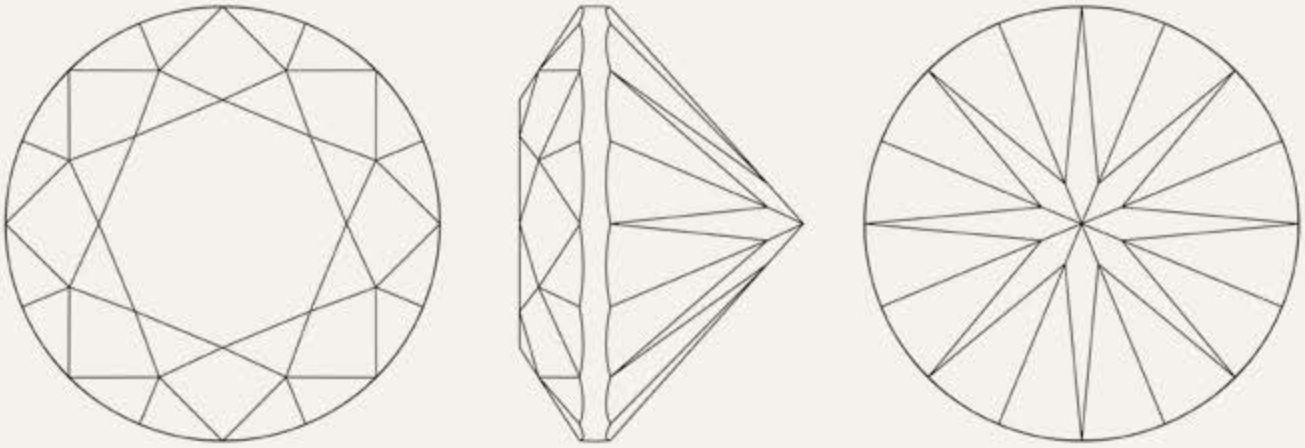
Swarovski Zirconia

World renowned for innovation, cutting precision, unrivalled quality, and service in international markets since 1895, at Swarovski we produce according to strict manufacturing standards, using only the finest raw materials. Comprised of three important elements: Made in Austria, Swarovski's own TCF™ technology, and Swarovski Zirconia's sustainability agenda, our Swarovski Zirconia portfolio is absolutely exceptional.

MADE IN AUSTRIA
Leveraging 130 years of top-level technical and creative expertise in cutting and polishing, Swarovski Zirconia is crafted at our historic headquarters in the Austrian Alps. An industry first, our mastery of cutting techniques enabled Swarovski Zirconia's Round Pure Brilliance cut to deliver the same level of brilliance as the Tolkowsky Diamond, confirming Swarovski Zirconia's unparalleled ability to emulate the intensity and radiance of diamonds.

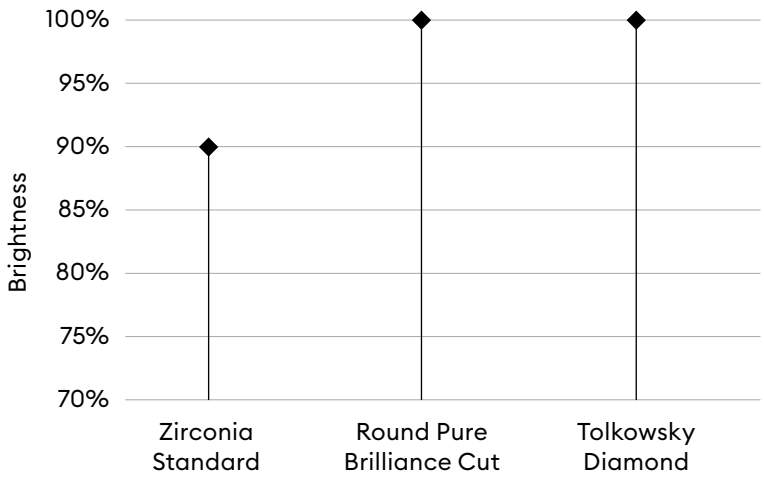
SWAROVSKI ZIRCONIA TCF™ TECHNOLOGY
A leader in zirconia colors with more than 35 hues, the exclusively patented Swarovski Zirconia Thermal Color Fusion (TCF™) technology enhances the surface with an enduring hard-ceramic layer on the pavilion. Facilitating the creation of zirconia with a vast array of fashion forward colors, TCF™ not only sustains a plethora of production processes, it also offers high color consistency and saturation regardless of the size and shape of the stone, allowing us to continuously develop new colors in our acclaimed Swarovski quality.

SWAROVSKI ZIRCONIA SUSTAINABILITY INITIATIVES
For Swarovski, true quality means more than simply providing the perfect cut, clarity and color. First and foremost, it's about responsibility at every stage in the development of our stones, to the highest possible standards. Having control over our zirconia supply and production, we can guarantee responsible production processes that fulfill the world's most demanding social and environmental requirements. In May 2023, Swarovski launched a ground-breaking innovation for Swarovski Zirconia by shifting production to renewable energy. This transition has reduced carbon emissions by 55% compared to earlier production processes.



What Makes Swarovski Zirconia so Unique?

For the first time in history, Swarovski has applied ideal diamond-cut standards to zirconia resulting in an incomparable ability to convey the same intensity, radiance and luster as diamonds. Swarovski's Pure Brilliance Cut makes Swarovski Zirconia the finest diamond simulant on the market. The Round Pure Brilliance Cut offers the same brightness as a Tolkowsky ideal cut, recognized as the world's most perfect diamond cut. It is indeed the only zirconia to be cut in accordance with the cutting parameters stated by the GIA as being ideal for diamonds.



Charged with Change

SWAROVSKI ZIRCONIA'S SUSTAINABILITY INITIATIVES

Since 1895, Swarovski has cared deeply about people, and our planet. We continue that legacy today by integrating sustainability measures across the value chain, with a special emphasis on circular innovation, championing diversity and inclusion, as well as self-expression.

As part of our strengthened sustainability program, we are working to make our products more sustainable.

In May 2023, Swarovski launched a ground-breaking innovation for Swarovski Zirconia by shifting production to renewable energy. All Swarovski Zirconia is carbon reduced, as made with 78% renewable energy. This transition has reduced carbon emissions by 55% compared to earlier production processes.

Since 2023 all of our production sites for Swarovski Zirconia are regularly certified or audited against a set of internationally recognized social standards, including SA8000, SMETA, and ISO45001 Occupational Health and Safety Management System.

Swarovski Zirconia made with renewable energy possesses the same quality, and durability as regular Swarovski Zirconia.

What is Zirconia?

Zirconia is an artificially produced crystalline imitation of a diamond made of Zirconiumoxide, which is very hard and is characterized by a light refraction that is close to that of a diamond.

Zirconia is considered the best diamond imitation in the market.

Zirconia can withstand very high temperatures (2750°C) and can therefore be set like a diamond.

Zirconia can be applied to jewelry without the need for adhesives, making it extremely durable and ideal for everyday wear.

TRUST THE ORIGINAL

Swarovski was the first company to recognize zirconia's full potential and expanded its expertise in precision cutting to the manufacture and supply of machine-cut zirconia already in 1976 – a first for the international jewelry industry.

Following its pioneering spirit, Swarovski started to set the industry standards for product quality, reliability, innovations, and corporate social responsibility, as well as trend and design initiatives.

COMPARATIVE ANALYSIS

To demonstrate the supreme optical quality of zirconia, the following table compares our created stones with their natural counterparts.

Material	Diamond	Zirconia	Ceramics	Crystal
Refractive index (if high: high light return)	2.42	2.16	1.61	1.52 – 1.60
Hardness (Mohs) (resistance to scratches and abrasion)	10.0	8.5	7.0	5.2 – 5.7
Dispersion (BG) (fire)	0.044	0.061	0.024	0.016 – 0.025
Specific Gravity (influences carat weight)	3.5	5.9	3.0	2.5 – 3.0
Castable	Yes	Yes	Yes	No

PACKAGING AND LABELING

We take great care and pride in the handling and packaging of our exclusive products. The individual construction of our packaging allows for stacking, while the unique see-through design enables quick and easy identification of the contents. As a guarantee of quality and security, a special seal ensures that your Swarovski product is both original and intact.

Bar Coding
To guarantee the quality of our products, and to help trace the history of an order, each of our packages is tagged with a unique bar code label.

Trustseal
Our specially created Trustseal secures each product package and verifies the authenticity of our Created Stones. The complex design of the seal is similar to a hologram, making it virtually impossible to imitate.

Safety Tab
Our strict manufacturing standards call for dependable security solutions. In order to protect our packages from tampering, we have developed the Safety Tab – an important security feature, which is applied at the final stage of packaging. Once broken, the Safety Tabs cannot be reused, giving the customer a clear indication that the package has been tampered with. Should any of our packages be delivered damaged or with broken Safety Tabs, we kindly ask our customers to report the incident to their local sales office as soon as possible. The superior quality of our genuine Swarovski products can only be guaranteed when the Safety Tabs are fully intact. In order to open the packaging, please move the Safety Tabs in the direction of the arrow.

The Brilliance of Color

Color plays a fundamental role in Swarovski's company history and is a constant source of creative inspiration. Swarovski is the leading color expert in Zirconia. With more than 35 hues we offer the most extensive range of Zirconia colors in the market.

Developed to deliver in-depth, flawless and incredibly consistent color, with a high saturation regardless of the size and shape of the stone, our revolutionary TCF™ technology is a market-first facilitating an array of fashion-forward hues, and ensuring our Zirconia are the best in the business.

WHAT DIFFERENTIATES US:

- Thermal Color Fusion (TCF™) is a patented innovative coloration technology that enhances the surface of the stone with an enduring hard-ceramic layer on the pavilion.
- TCF™ is a special chemical heat treatment that is durable, permanent and resistant.
- TCF™ is able to sustain production processes (cast-in-place) and cleaning methods.
- TCF™ has a high color consistency regardless of the size and shape of the stone.
- TCF™ does not involve any kind of irradiation, making it both environmentally and consumer friendly.
- As the coloration is restricted to the near-surface of the stone, the body of the stone remains completely unchanged.
- With the exact tolerances for color grading and sorting, Swarovski Zirconia TCF™ Colors are color-matched, and ready to set.
- We ensure perfect color saturation that remains consistent throughout our entire range of stone sizes to assist our customers in running their production processes smoothly.
- New TCF™ color developments enable our customers to work with unparalleled diamond imitation colors available in the Zirconia market.

SWAROVSKI ZIRCONIA COLORS

Swarovski Zirconia comes in an exciting array of colors produced by using Swarovski's own TCF™ process. Each shade is consistent and highly saturated, regardless of the size and shape of the stone. Thanks to our detailed research and creative expertise, we continually develop exciting new colors.


White


Silk White (TCF™)


Silver Grey (TCF™)


Greyish Blue (TCF™)


Fancy Light Blue (TCF™)


Fancy Blue (TCF™)


Arctic Blue (TCF™)


Ocean Blue (TCF™)


Royal Blue (TCF™)


Rainbow Blue (TCF™)


Frosty Mint (TCF™)


Mint (TCF™)


Aquamarine (TCF™)


Fancy Light Green (TCF™)


Fancy Green (TCF™)


Green (TCF™)


Spring Green (TCF™)


Fancy Morganite (TCF™)


Fancy Light Pink (TCF™)


Fancy Pink (TCF™)


Rubellite (TCF™)


Red (TCF™)


Red Dark (TCF™)


Fire Red (TCF™)


Purplish Pink (TCF™)


Fancy Light Purple (TCF™)


Fancy Purple (TCF™)


Lavender (TCF™)


Tanzanite (TCF™)


Yellow Lemon (TCF™)


Orangy Yellow (TCF™)

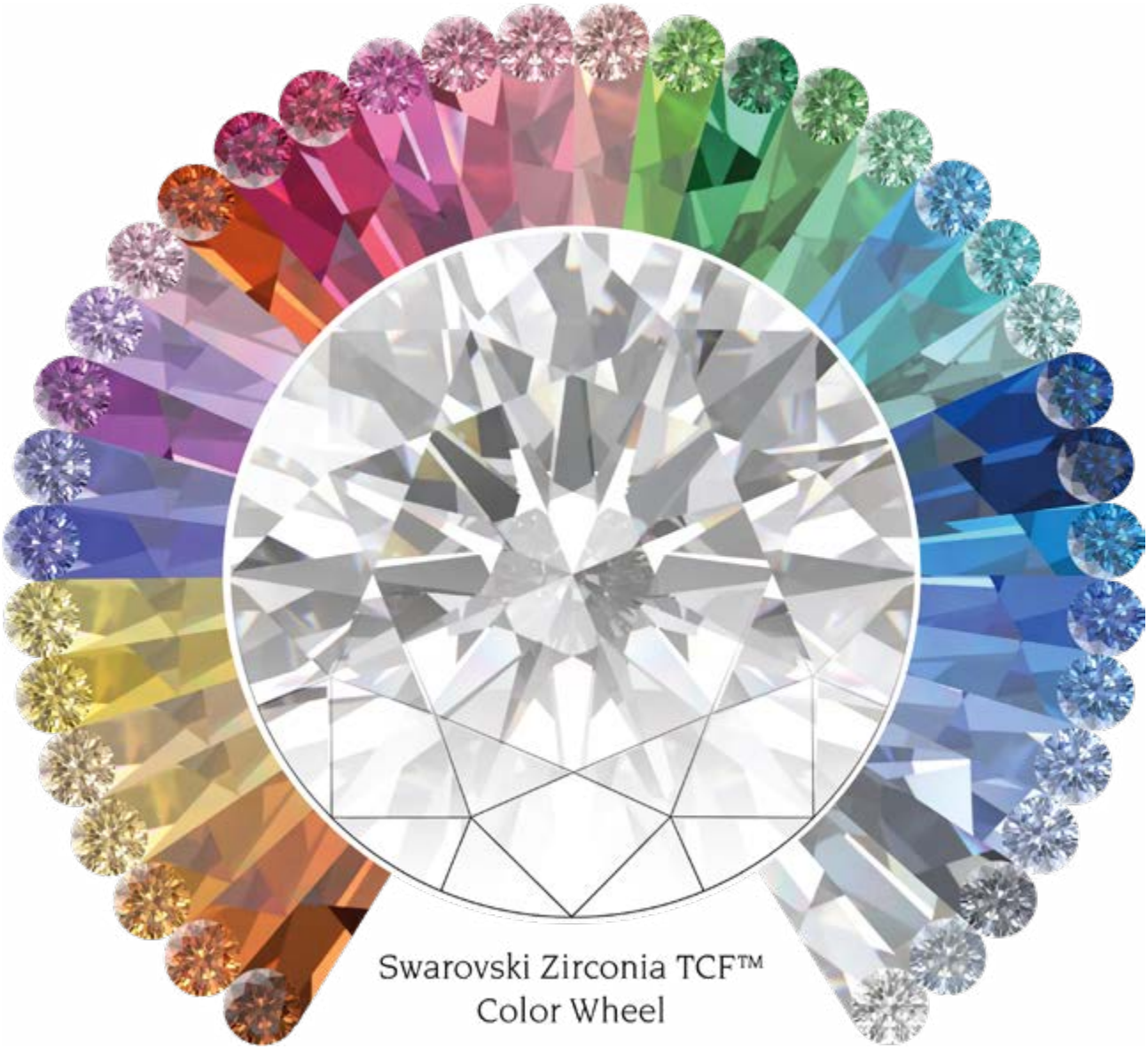

Fancy Champagne-gold tone (TCF™)


Fancy Yellow (TCF™)


Amber (TCF™)


Orange (TCF™)


Caramel (TCF™)


Swarovski Zirconia TCF™
Color Wheel

HANDLING OF TCF™ TREATED ZIRCONIA

ZIRCONIA TCF™ – Color *	 Silk White (TCF™)	 Silver Grey (TCF™)	 Greyish Blue (TCF™)	 Fancy Light Blue (TCF™)	 Fancy Blue (TCF™)	 Arctic Blue (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin (L-Sn_4OPb) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

ZIRCONIA TCF™ – Color *	 Ocean Blue (TCF™)	 Royal Blue (TCF™)	 Rainbow Blue (TCF™)	 Frosty Mint (TCF™)	 Mint (TCF™)	 Aquamarine (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin (L-Sn_4OPb) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

ZIRCONIA TCF™ – Color *	 Fancy Light Green (TCF™)	 Fancy Green (TCF™)	 Green (TCF™)	 Spring Green (TCF™)	 Fancy Morganite (TCF™)	 Fancy Light Pink (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin ($L\text{-}Sn_4OPb$) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

ZIRCONIA TCF™ – Color *	 Fancy Pink (TCF™)	 Rubellite (TCF™)	 Red (TCF™)	 Red Dark (TCF™)	 Fire Red (TCF™)	 Purplish Pink (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin ($L\text{-}Sn_4OPb$) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

ZIRCONIA TCF™ – Color *	 Fancy Light Purple (TCF™)	 Fancy Purple (TCF™)	 Lavender (TCF™)	 Tanzanite (TCF™)	 Yellow Lemon (TCF™)	 Orangy Yellow (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin ($L\text{-}Sn_4OPb$) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

ZIRCONIA TCF™ – Color *	 Fancy Champagne-gold tone (TCF™)	 Fancy Yellow (TCF™)	 Amber (TCF™)	 Orange (TCF™)	 Caramel (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin ($L\text{-}Sn_4OPb$) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

SWAROVSKI ZIRCONIA VIBRANT FAMILY

Like the Kaleidoscope of Life, the Swarovski Zirconia Vibrant Family offers impressions and colors you never thought possible. Castable and brilliantly uniform TCF™ colors that look great in prong and bezel settings.
Available size ranges: 5 / 6 / 7 mm

Vibrant Colors elevate the classic TCF™ color range to an entirely new level. Every stone is a harmonious blend of two shades to awaken emotions and inspire countless possibilities for applications and designs.


Bizarre Square
Vibrant Red – Orangy Yellow
(TCF™)


Round Rosebush
Vibrant Red – Orangy Yellow
(TCF™)


Pentagon Star
Vibrant Red – Orangy Yellow
(TCF™)


Cushion Princess
Vibrant Red – Orangy Yellow
(TCF™)


Bizarre Square
Vibrant Purple – Aqua
(TCF™)


Round Rosebush
Vibrant Purple – Aqua
(TCF™)


Pentagon Star
Vibrant Purple – Aqua
(TCF™)


Cushion Princess
Vibrant Purple – Aqua
(TCF™)


Bizarre Square
Vibrant Spring Green – White
(TCF™)


Round Rosebush
Vibrant Spring Green – White
(TCF™)


Pentagon Star
Vibrant Spring Green – White
(TCF™)


Cushion Princess
Vibrant Spring Green – White
(TCF™)


Bizarre Square
Vibrant Rubellite – White
(TCF™)


Round Rosebush
Vibrant Rubellite – White
(TCF™)


Pentagon Star
Vibrant Rubellite – White
(TCF™)


Cushion Princess
Vibrant Rubellite – White
(TCF™)


Bizarre Square
Vibrant Yellow Lemon – White
(TCF™)


Round Rosebush
Vibrant Yellow Lemon – White
(TCF™)


Pentagon Star
Vibrant Yellow Lemon – White
(TCF™)


Cushion Princess
Vibrant Yellow Lemon – White
(TCF™)

HANDLING OF TCF™ TREATED ZIRCONIA

ZIRCONIA TCF™ – Color *	 Vibrant Red – Orangy Yellow (TCF™)	 Vibrant Purple – Aqua (TCF™)	 Vibrant Spring Green – White (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin ($L\text{-}Sn_6OPb$) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●	●

● no alteration recognizable
● parameters MUST be adhered to

* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

HANDLING OF TCF™ TREATED ZIRCONIA

ZIRCONIA TCF™ – Color *	 Vibrant Rubellite – White (TCF™)	 Vibrant Yellow Lemon – White (TCF™)
Casting-in-place ** 14 KT Gold and 925 Silver Casting temperature 1030°C Wax burnout: 2 hours at 700°C	●	●
Soldering up (Fluitin) & Electroplating Soldering agent: Fluitin ($L\text{-}Sn_6OPb$) Soldering Flux: (not necessary) Soldering temperature ~200°C	●	●
Soldering up (AG) & Electroplating Soldering agent: Silver soft agent (925/000) Soldering Flux: Flouron Soldering temperature ~700°C	●	●
Blackened Silver 1/3 K_2CO_3, 1/3 Sel, 1/3 H_2O stones exposed to filtrate for 3 minutes at 50°C; rinsed with H_2O	●	●
Gold coloring Color bath mix of 17.3% NaCl, 23% KNO_3 22.6% H_2O, 25.6% HCLconc Boiled in solution for 3 min; rinsed with H_2O	●	●
Electroplating: For galvanic plating, monitor bath parameters closely. Keep exposure time, bath temperatures, aggressivity, and pH levels balanced and as low as possible. Avoid acid baths (pH 1-2) combined with high current (amperage) or very hot (80°C) alkaline solutions and long soaking times.	●	●
Sulfuric acid pickle, 20 Vol % H_2SO_4, 30 minutes at 60°C rinsed with H_2O	●	●
Vitrex pickle, 12.5 Vol % Natriumbisulfat; 10 minutes at 70°C rinsed with H_2O	●	●
Alkaline Cleaning Max. pH 12, at max. 50°C, max. exposure time 15 minutes (total soaking time in all steps)	●	●

● no alteration recognizable
● parameters MUST be adhered to

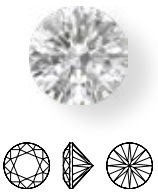
* Polishing or extreme scratching of the pavilion might cause a change in the color appearance.
** Casting-in-place tests were conducted with different silver and gold alloys.

If further information is needed please contact your local sales or technical support representative.
Note: With the use of other metals or alloys, slight color variations may be possible.

Swarovski Zirconia Cuts

Swarovski Zirconia Cuts

CLASSIC CUTS



Round Pure Brilliance

Square Princess Pure Brilliance

Marquise Pure Brilliance

Pear Pure Brilliance

Oval Pure Brilliance

Baguette Princess Pure Brilliance

Baguette Step

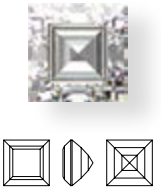
Tapered Baguette Step

Octagon Step

Trillion

Triangle Cut Corner

Kite



Square Step

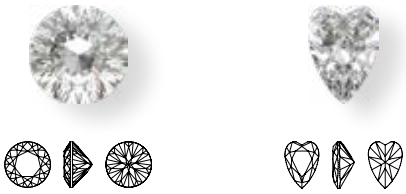
Radiant

Cushion Princess

Heart

CLASSIC CUTS WITH A TWIST

Daniel's #125 | Rounded Emerald | Barrel | Octagon Imperial Mosaic | Round 88 Facets



Round 120 Facets | Heart Elongated

EXPERIMENTAL CUTS

Side View | Bloom | Grandiose | Leaf | Bizarre Square

Pentagon Star | Round Rosebush | Half Heart Left | Half Heart Right

Classic Cuts

Summary

1 2 3

Round Pure Brilliance
0.7, 0.8, 0.9, 1, 1.1, 1.2, 1.25, 1.3, 1.4, 1.5, 1.6, 1.7, 1.75, 1.8, 1.9, 2, 2.25, 2.5, 2.75, 3, 3.25, 3.5, 3.75, 4, 4.25, 4.5, 4.75, 5, 5.25, 5.5, 5.75, 6, 6.5, 7, 8 mm

Square Princess Pure Brilliance
1.5, 2, 2.5, 2.75, 3, 3.5, 4, 5, 6, 7 mm

Marquise Pure Brilliance
3x1.5, 4x2, 5x2.5, 6x3, 7x3.5, 8x4 mm

Pear Pure Brilliance
3x2, 5x3, 6x4, 7x5, 8x5 mm

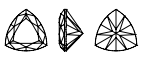
Oval Pure Brilliance
3x2, 5x3, 6x4, 7x5, 8x6 mm

Baguette Princess Pure Brilliance
3x2, 4x2, 5x2.5, 6x3 mm

Baguette Step
3x2, 4x2, 5x2.5, 6x3 mm

Tapered Baguette Step
2.5x1.5x1, 2.5x2x1.5, 3x2x1, 3x2.5x1.5, 3.5x1.5x1, 3.5x2.5x1.5, 4x2x1.5 mm

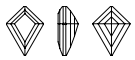
Octagon Step
5x3, 6x4, 7x5 mm



Trillion
4, 5, 6 mm

1 2 3

Triangle Cut Corner
3, 4, 5, 6 mm



Kite
4x3, 5x4, 6.5x4, 7.5x4.25 mm

Square Step
2, 2.5, 3, 4 mm

Radiant
4x4, 5x5, 6x6 mm

Cushion Princess
4x4, 5x5, 6x6, 7x7, 8x8 mm

Heart
3x3, 4x4, 5x5, 6x6 mm

1 Top view 2 Side view 3 Back view

Round Pure Brilliance

Size	0.7 mm	0.8 mm	0.9 mm	1.0 mm	1.1 mm	1.2 mm	1.25 mm	1.3 mm	1.4 mm	1.5 mm	1.6 mm	1.7 mm	1.75 mm	1.8 mm	1.9 mm	2.0 mm	2.25 mm	2.5 mm	2.75 mm	3.0 mm	3.25 mm	3.5 mm	3.75 mm
Zirconia Colors																							
Zirconia Rough Colors																							
White (0031)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zirconia TCF™ Colors																							
Amber (0666 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Aquamarine (0692 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Arctic Blue (0659 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Caramel (0670 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Blue (0653 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Champagne-gold tone (0673 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Green (0663 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Light Blue (0652 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Light Green (0679 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Light Pink (0688 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Light Purple (0689 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Morganite (0682 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Pink (0667 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Purple (0649 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fancy Yellow (0664 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Fire Red (0647 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Frosty Mint (0677 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Green (0669 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Greyish Blue (0658 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Lavender (0703 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Mint (0660 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Ocean Blue (0694 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Orange (0684 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Orangy Yellow (0662 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Purplish Pink (0678 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Rainbow Blue (0686 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Red (0668 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Red Dark (0672 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Royal Blue (0648 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Rubellite (0711 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Silk White (0696 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Silver Grey (0707 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Spring Green (0681 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Tanzanite (0710 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	
Yellow Lemon (0702 TCF™)		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	

◆ Core Assortment ■ Available on request

Round Pure Brilliance

Zirconia Colors	Size	4.0 mm	4.25 mm	4.5 mm	4.75 mm	5.0 mm	5.25 mm	5.5 mm	5.75 mm	6.0 mm	6.5 mm	7.0 mm	8.0 mm
Zirconia Rough Colors													
White (0031)		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zirconia TCF™ Colors													
Amber (0666 TCF™)		■				■				■	■	■	■
Aquamarine (0692 TCF™)		■				■				■	■	■	■
Arctic Blue (0659 TCF™)		■				■				■	■	■	■
Caramel (0670 TCF™)		■				■				■	■	■	■
Fancy Blue (0653 TCF™)		■				■				■	■	■	■
Fancy Champagne-gold tone (0673 TCF™)		■				■				■	■	■	■
Fancy Green (0663 TCF™)		■				■				■	■	■	■
Fancy Light Blue (0652 TCF™)		■				■				■	■	■	■
Fancy Light Green (0679 TCF™)		■				■				■	■	■	■
Fancy Light Pink (0688 TCF™)		■				■				■	■	■	■
Fancy Light Purple (0689 TCF™)		■				■				■	■	■	■
Fancy Morganite (0682 TCF™)		■				■				■	■	■	■
Fancy Pink (0667 TCF™)		■				■				■	■	■	■
Fancy Purple (0649 TCF™)		■				■				■	■	■	■
Fancy Yellow (0664 TCF™)		■				■				■	■	■	■
Fire Red (0647 TCF™)		■				■				■	■	■	■
Frosty Mint (0677 TCF™)		■				■				■	■	■	■
Green (0669 TCF™)		■				■				■	■	■	■
Greyish Blue (0658 TCF™)		■				■				■	■	■	■
Lavender (0703 TCF™)		■				■				■	■	■	■
Mint (0660 TCF™)		■				■				■	■	■	■
Ocean Blue (0694 TCF™)		■				■				■	■	■	■
Orange (0684 TCF™)		■				■				■	■	■	■
Orangy Yellow (0662 TCF™)		■				■				■	■	■	■
Purplish Pink (0678 TCF™)		■				■				■	■	■	■
Rainbow Blue (0686 TCF™)		■				■				■	■	■	■
Red (0668 TCF™)		■				■				■	■	■	■
Red Dark (0672 TCF™)		■				■				■	■	■	■
Royal Blue (0648 TCF™)		■				■				■	■	■	■
Rubellite (0711 TCF™)		■				■				■	■	■	■
Silk White (0696 TCF™)		■				■				■	■	■	■
Silver Grey (0707 TCF™)		■				■				■	■	■	■
Spring Green (0681 TCF™)		■				■				■	■	■	■
Tanzanite (0710 TCF™)		■				■				■	■	■	■
Yellow Lemon (0702 TCF™)		■				■				■	■	■	■

◆ Core Assortment ■ Available on request

Square Princess Pure Brilliance

Size	1.5 mm	2 mm	2.5 mm	2.75 mm	3 mm	3.5 mm	4 mm	5 mm	6 mm	7 mm
Zirconia Colors										
Zirconia Rough Colors										
White (0031)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zirconia TCF™ Colors										
Amber (0666 TCF™)	■	■	■		■		■	■	■	■
Aquamarine (0692 TCF™)	■	■	■		■		■	■	■	■
Arctic Blue (0659 TCF™)	■	■	■		■		■	■	■	■
Caramel (0670 TCF™)	■	■	■		■		■	■	■	■
Fancy Blue (0653 TCF™)	■	■	■		■		■	■	■	■
Fancy Champagne-gold tone (0673 TCF™)	■	■	■		■		■	■	■	■
Fancy Green (0663 TCF™)	■	■	■		■		■	■	■	■
Fancy Light Blue (0652 TCF™)	■	■	■		■		■	■	■	■
Fancy Light Green (0679 TCF™)	■	■	■		■		■	■	■	■
Fancy Light Pink (0688 TCF™)	■	■	■		■		■	■	■	■
Fancy Light Purple (0689 TCF™)	■	■	■		■		■	■	■	■
Fancy Morganite (0682 TCF™)	■	■	■		■		■	■	■	■
Fancy Pink (0667 TCF™)	■	■	■		■		■	■	■	■
Fancy Purple (0649 TCF™)	■	■	■		■		■	■	■	■
Fancy Yellow (0664 TCF™)	■	■	■		■		■	■	■	■
Fire Red (0647 TCF™)	■	■	■		■		■	■	■	■
Frosty Mint (0677 TCF™)	■	■	■		■		■	■	■	■
Green (0669 TCF™)	■	■	■		■		■	■	■	■
Greyish Blue (0658 TCF™)	■	■	■		■		■	■	■	■
Lavender (0703 TCF™)	■	■	■		■		■	■	■	■
Mint (0660 TCF™)	■	■	■		■		■	■	■	■
Ocean Blue (0694 TCF™)	■	■	■		■		■	■	■	■
Orange (0684 TCF™)	■	■	■		■		■	■	■	■
Orangy Yellow (0662 TCF™)	■	■	■		■		■	■	■	■
Purplish Pink (0678 TCF™)	■	■	■		■		■	■	■	■
Rainbow Blue (0686 TCF™)	■	■	■		■		■	■	■	■
Red (0668 TCF™)	■	■	■		■		■	■	■	■
Red Dark (0672 TCF™)	■	■	■		■		■	■	■	■
Royal Blue (0648 TCF™)	■	■	■		■		■	■	■	■
Rubellite (0711 TCF™)	■	■	■		■		■	■	■	■
Silk White (0696 TCF™)	■	■	■		■		■	■	■	■
Silver Grey (0707 TCF™)	■	■	■		■		■	■	■	■
Spring Green (0681 TCF™)	■	■	■		■		■	■	■	■
Tanzanite (0710 TCF™)	■	■	■		■		■	■	■	■
Yellow Lemon (0702 TCF™)	■	■	■		■		■	■	■	■

◆ Core Assortment ■ Available on request

Marquise Pure Brilliance

Size	3x1.5 mm	4x2 mm	5x2.5 mm	6x3 mm	7x3.5 mm	8x4 mm
Zirconia Colors						
Zirconia Rough Colors						
White (0031)	◆	◆	◆	◆	◆	◆
Zirconia TCF™ Colors						
Amber (0666 TCF™)	■	■	■	■	■	■
Aquamarine (0692 TCF™)	■	■	■	■	■	■
Arctic Blue (0659 TCF™)	■	■	■	■	■	■
Caramel (0670 TCF™)	■	■	■	■	■	■
Fancy Blue (0653 TCF™)	■	■	■	■	■	■
Fancy Champagne-gold tone (0673 TCF™)	■	■	■	■	■	■
Fancy Green (0663 TCF™)	■	■	■	■	■	■
Fancy Light Blue (0652 TCF™)	■	■	■	■	■	■
Fancy Light Green (0679 TCF™)	■	■	■	■	■	■
Fancy Light Pink (0688 TCF™)	■	■	■	■	■	■
Fancy Light Purple (0689 TCF™)	■	■	■	■	■	■
Fancy Morganite (0682 TCF™)	■	■	■	■	■	■
Fancy Pink (0667 TCF™)	■	■	■	■	■	■
Fancy Purple (0649 TCF™)	■	■	■	■	■	■
Fancy Yellow (0664 TCF™)	■	■	■	■	■	■
Fire Red (0647 TCF™)	■	■	■	■	■	■
Frosty Mint (0677 TCF™)	■	■	■	■	■	■
Green (0669 TCF™)	■	■	■	■	■	■
Greyish Blue (0658 TCF™)	■	■	■	■	■	■
Lavender (0703 TCF™)	■	■	■	■	■	■
Mint (0660 TCF™)	■	■	■	■	■	■
Ocean Blue (0694 TCF™)	■	■	■	■	■	■
Orange (0684 TCF™)	■	■	■	■	■	■
Orangy Yellow (0662 TCF™)	■	■	■	■	■	■
Purplish Pink (0678 TCF™)	■	■	■	■	■	■
Rainbow Blue (0686 TCF™)	■	■	■	■	■	■
Red (0668 TCF™)	■	■	■	■	■	■
Red Dark (0672 TCF™)	■	■	■	■	■	■
Royal Blue (0648 TCF™)	■	■	■	■	■	■
Rubellite (0711 TCF™)	■	■	■	■	■	■
Silk White (0696 TCF™)	■	■	■	■	■	■
Silver Grey (0707 TCF™)	■	■	■	■	■	■
Spring Green (0681 TCF™)	■	■	■	■	■	■
Tanzanite (0710 TCF™)	■	■	■	■	■	■
Yellow Lemon (0702 TCF™)	■	■	■	■	■	■

◆ Core Assortment ■ Available on request

Pear Pure Brilliance

Size	3x2 mm	5x3 mm	6x4 mm	7x5 mm	8x5 mm
Zirconia Colors					
Zirconia Rough Colors					
White (0031)	◆	◆	◆	◆	◆
Zirconia TCF™ Colors					
Amber (0666 TCF™)	■	■	■	■	■
Aquamarine (0692 TCF™)	■	■	■	■	■
Arctic Blue (0659 TCF™)	■	■	■	■	■
Caramel (0670 TCF™)	■	■	■	■	■
Fancy Blue (0653 TCF™)	■	■	■	■	■
Fancy Champagne-gold tone (0673 TCF™)	■	■	■	■	■
Fancy Green (0663 TCF™)	■	■	■	■	■
Fancy Light Blue (0652 TCF™)	■	■	■	■	■
Fancy Light Green (0679 TCF™)	■	■	■	■	■
Fancy Light Pink (0688 TCF™)	■	■	■	■	■
Fancy Light Purple (0689 TCF™)	■	■	■	■	■
Fancy Morganite (0682 TCF™)	■	■	■	■	■
Fancy Pink (0667 TCF™)	■	■	■	■	■
Fancy Purple (0649 TCF™)	■	■	■	■	■
Fancy Yellow (0664 TCF™)	■	■	■	■	■
Fire Red (0647 TCF™)	■	■	■	■	■
Frosty Mint (0677 TCF™)	■	■	■	■	■
Green (0669 TCF™)	■	■	■	■	■
Greyish Blue (0658 TCF™)	■	■	■	■	■
Lavender (0703 TCF™)	■	■	■	■	■
Mint (0660 TCF™)	■	■	■	■	■
Ocean Blue (0694 TCF™)	■	■	■	■	■
Orange (0684 TCF™)	■	■	■	■	■
Orangy Yellow (0662 TCF™)	■	■	■	■	■
Purplish Pink (0678 TCF™)	■	■	■	■	■
Rainbow Blue (0686 TCF™)	■	■	■	■	■
Red (0668 TCF™)	■	■	■	■	■
Red Dark (0672 TCF™)	■	■	■	■	■
Royal Blue (0648 TCF™)	■	■	■	■	■
Rubellite (0711 TCF™)	■	■	■	■	■
Silk White (0696 TCF™)	■	■	■	■	■
Silver Grey (0707 TCF™)	■	■	■	■	■
Spring Green (0681 TCF™)	■	■	■	■	■
Tanzanite (0710 TCF™)	■	■	■	■	■
Yellow Lemon (0702 TCF™)	■	■	■	■	■

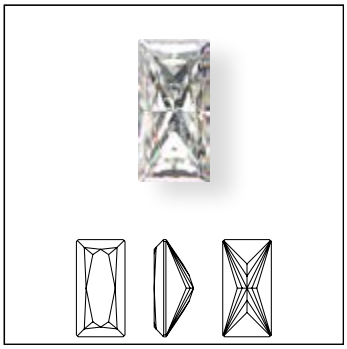
◆ Core Assortment ■ Available on request

Oval Pure Brilliance

Size	3x2 mm	5x3 mm	6x4 mm	7x5 mm	8x6 mm
Zirconia Colors					
Zirconia Rough Colors					
White (0031)	◆	◆	◆	◆	◆
Zirconia TCF™ Colors					
Amber (0666 TCF™)	■	■	■	■	■
Aquamarine (0692 TCF™)	■	■	■	■	■
Arctic Blue (0659 TCF™)	■	■	■	■	■
Caramel (0670 TCF™)	■	■	■	■	■
Fancy Blue (0653 TCF™)	■	■	■	■	■
Fancy Champagne-gold tone (0673 TCF™)	■	■	■	■	■
Fancy Green (0663 TCF™)	■	■	■	■	■
Fancy Light Blue (0652 TCF™)	■	■	■	■	■
Fancy Light Green (0679 TCF™)	■	■	■	■	■
Fancy Light Pink (0688 TCF™)	■	■	■	■	■
Fancy Light Purple (0689 TCF™)	■	■	■	■	■
Fancy Morganite (0682 TCF™)	■	■	■	■	■
Fancy Pink (0667 TCF™)	■	■	■	■	■
Fancy Purple (0649 TCF™)	■	■	■	■	■
Fancy Yellow (0664 TCF™)	■	■	■	■	■
Fire Red (0647 TCF™)	■	■	■	■	■
Frosty Mint (0677 TCF™)	■	■	■	■	■
Green (0669 TCF™)	■	■	■	■	■
Greyish Blue (0658 TCF™)	■	■	■	■	■
Lavender (0703 TCF™)	■	■	■	■	■
Mint (0660 TCF™)	■	■	■	■	■
Ocean Blue (0694 TCF™)	■	■	■	■	■
Orange (0684 TCF™)	■	■	■	■	■
Orangy Yellow (0662 TCF™)	■	■	■	■	■
Purplish Pink (0678 TCF™)	■	■	■	■	■
Rainbow Blue (0686 TCF™)	■	■	■	■	■
Red (0668 TCF™)	■	■	■	■	■
Red Dark (0672 TCF™)	■	■	■	■	■
Royal Blue (0648 TCF™)	■	■	■	■	■
Rubellite (0711 TCF™)	■	■	■	■	■
Silk White (0696 TCF™)	■	■	■	■	■
Silver Grey (0707 TCF™)	■	■	■	■	■
Spring Green (0681 TCF™)	■	■	■	■	■
Tanzanite (0710 TCF™)	■	■	■	■	■
Yellow Lemon (0702 TCF™)	■	■	■	■	■

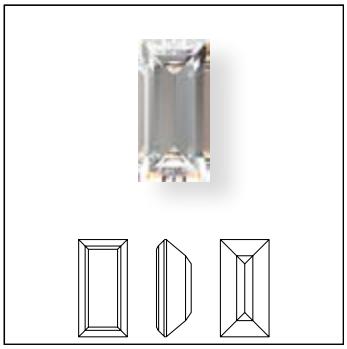
◆ Core Assortment ■ Available on request

Baguette Princess Pure Brilliance



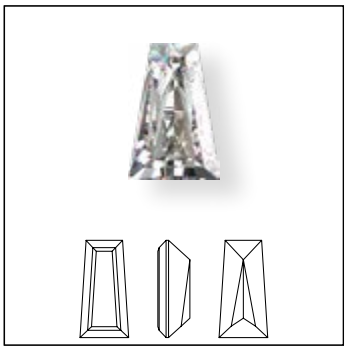
Size	3x2 mm	4x2 mm	5x2.5 mm	6x3 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

Baguette Step



Size	3x2 mm	4x2 mm	5x2.5 mm	6x3 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

Tapered Baguette Step



Size	2.5x1.5x1 mm	2.5x2x1.5 mm	3x2x1 mm	3x2.5x1.5 mm	3.5x1.5x1 mm	3.5x2.5x1.5 mm	4x2x1.5 mm
Zirconia Colors							
Zirconia Rough Colors							
White (0031)	◆	◆	◆	◆	◆	◆	◆

Octagon Step

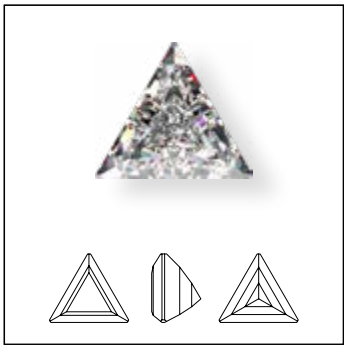
Size	5x3 mm	6x4 mm	7x5 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

◆ Core Assortment ■ Available on request

Trillion

Size	4 mm	5 mm	6 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Triangle Cut Corner



Size	3 mm	4 mm	5 mm	6 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

Kite

Size	4x3 mm	5x4 mm	6.5x4 mm	7.5x4.25 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

Square Step

Size	2 mm	2.5 mm	3 mm	4 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

◆ Core Assortment ■ Available on request

Radiant

Size	4x4 mm	5x5 mm	6x6 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Cushion Princess

Size	4x4 mm	5x5 mm	6x6 mm	7x7 mm	8x8 mm
Zirconia Colors					
Zirconia Rough Colors					
White (0031)	◆	◆	◆	◆	◆
Zirconia Vibrant TCF™ Colors					
Vibrant Purple - Aqua (4008 TCF™)		■	■	■	
Vibrant Red - Orangy Yellow (4004 TCF™)		■	■	■	
Vibrant Rubellite - White (4711 TCF™)		■	■	■	
Vibrant Spring Green - White (4010 TCF™)		■	■	■	
Vibrant Yellow - Lemon White (4702 TCF™)		■	■	■	

Heart

Size	3x3 mm	4x4 mm	5x5 mm	6x6 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆
Zirconia TCF™ Colors				
Fancy Pink (0667 TCF™)	■	■	■	■
Red (0668 TCF™)	■	■	■	■
Red Dark (0672 TCF™)	■	■	■	■
Rubellite (0711 TCF™)	■	■	■	■

◆ Core Assortment ■ Available on request

Product Details

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Round Pure Brilliance		
0.7 mm	1,000	0.057
0.8 mm	1,000	0.086
0.9 mm	1,000	0.118
1 mm	1,000	0.158
1.1 mm	1,000	0.210
1.2 mm	1,000	0.272
1.25 mm	1,000	0.307
1.3 mm	1,000	0.346
1.4 mm	1,000	0.432
1.5 mm	1,000	0.540
1.6 mm	1,000	0.643
1.7 mm	1,000	0.758
1.75 mm	1,000	0.821
1.8 mm	1,000	0.887
1.9 mm	1,000	1.028
2 mm	500	1.185
2.25 mm	500	1.687
2.5 mm	500	2.315
2.75 mm	200	3.080
3 mm	200	3.999
3.25 mm	140	5.011
3.5 mm	140	6.171
3.75 mm	140	7.497
4 mm	80	8.999
4.25 mm	80	10.690
4.5 mm	80	12.579
4.75 mm	80	14.678
5 mm	80	16.998
5.25 mm	60	19.550
5.5 mm	60	22.344
5.75 mm	60	25.392
6 mm	60	28.705
6.5 mm	60	36.169
7 mm	35	44.826
8 mm	35	66.065
Square Princess Pure Brilliance		
1.5 mm	200	0.977
2 mm	200	1.710
2.5 mm	200	3.339
2.75 mm	100	4.444
3 mm	100	5.770
3.5 mm	140	9.163
4 mm	80	13.677
5 mm	60	25.977
6 mm	35	44.039
7 mm	35	69.933

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Marquise Pure Brilliance		
3x1.5 mm	100	0.941
4x2 mm	100	2.230
5x2.5 mm	100	4.356
6x3 mm	70	7.527
7x3.5 mm	60	11.246
8x4 mm	60	16.787
Pear Pure Brilliance		
3x2 mm	100	1.617
5x3 mm	80	6.103
6x4 mm	70	12.311
7x5 mm	40	20.736
8x5 mm	40	26.686
Oval Pure Brilliance		
3x2 mm	100	1.593
5x3 mm	80	6.652
6x4 mm	70	12.740
7x5 mm	40	22.514
8x6 mm	40	40.837
Baguette Princess Pure Brilliance		
3x2 mm	200	2.824
4x2 mm	100	3.766
5x2.5 mm	100	7.356
6x3 mm	70	12.710
Baguette Step		
3x2 mm	200	2.748
4x2 mm	100	3.830
5x2.5 mm	100	7.479
6x3 mm	70	12.924
Tapered Baguette Step		
2.5x1.5x1 mm	200	1.024
2.5x2x1.5 mm	200	1.765
3x2x1 mm	200	1.768
3x2.5x1.5 mm	200	3.097
3.5x1.5x1 mm	200	1.508
3.5x2.5x1.5 mm	100	3.754
4x2x1.5 mm	100	3.089
Octagon Step		
5x3 mm	80	10.492
6x4 mm	70	21.943
7x5 mm	40	38.427
Trillion		
4 mm	80	7.367
5 mm	80	13.741
6 mm	60	22.998

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Triangle Cut Corner		
3 mm	140	1.583
4 mm	80	3.754
5 mm	80	7.199
6 mm	60	12.029
Kite		
4x3 mm	100	3.361
5x4 mm	80	7.460
6.5x4 mm	40	9.611
7.5x4.25 mm	40	11.998
Square Step		
2 mm	200	1.587
2.5 mm	200	3.099
3 mm	100	5.355
4 mm	80	12.703
Radiant		
4x4 mm	100	12.213
5x5 mm	80	19.759
6x6 mm	70	38.645
Cushion Princess		
4x4 mm	80	11.946
5x5 mm	60	23.331
6x6 mm	35	40.316
7x7 mm	35	64.021
8x8 mm	35	95.564
Heart		
3x3 mm	200	3.856
4x4 mm	80	8.246
5x5 mm	80	16.106
6x6 mm	60	27.832

Classic Cuts with a Twist

Summary

1 2 3

Daniel's #125
5x3, 6x4, 7x5 mm

Rounded Emerald
6x4, 8x6 mm

Barrel
4x3, 6x4.5, 8x6 mm

Octagon Imperial Mosaic
3, 4, 5, 6 mm

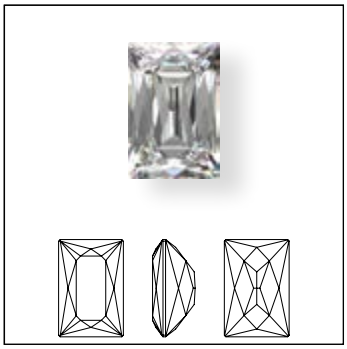
Round 88 Facets
5, 6, 6.5 mm

Round 120 Facets
5, 6, 6.5 mm

Heart Elongated
5.5x4, 7x5 mm

1 Top view 2 Side view 3 Back view

Daniel's #125



Size	5x3 mm	6x4 mm	7x5 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Rounded Emerald

Size	6x4 mm	8x6 mm
Zirconia Colors		
Zirconia Rough Colors		
White (0031)	◆	◆

Barrel

Size	4x3 mm	6x4.5 mm	8x6 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Octagon Imperial Mosaic

Size	3 mm	4 mm	5 mm	6 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

◆ Core Assortment

Round 88 Facets

Size	5 mm	6 mm	6.5 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Round 120 Facets

Size	5 mm	6 mm	6.5 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Heart Elongated

Size	5.5x4 mm	7x5 mm
Zirconia Colors		
Zirconia Rough Colors		
White (0031)	◆	◆

◆ Core Assortment

Product Details

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Daniel's #125		
5x3 mm	80	12.191
6x4 mm	70	19.529
7x5 mm	40	34.936
Rounded Emerald		
6x4 mm	70	21.943
8x6 mm	40	56.256
Barrel		
4x3 mm	100	7.033
6x4.5 mm	70	23.742
8x6 mm	40	56.274
Octagon Imperial Mosaic		
3 mm	100	5.417
4 mm	80	12.834
5 mm	60	25.067
6 mm	35	40.871
Round 88 Facets		
5 mm	80	17.329
6 mm	60	29.212
6.5 mm	60	37.140
Round 120 Facets		
5 mm	80	17.209
6 mm	60	29.847
6.5 mm	60	37.809
Heart Elongated		
5.5x4 mm	70	11.623
7x5 mm	40	22.373

Experimental Cuts

Summary

1 2 3

Side View
6.25x5, 7.5x6 mm

Bloom
4x4, 5x5, 6x6 mm

Grandiose
5x3, 6x3.75, 8x5 mm

Leaf
3x3, 4x4, 5x5, 6x6 mm

Bizarre Square
5, 6, 7 mm

Pentagon Star
5x5, 6x6, 7x7 mm

Round Rosebush
4, 5, 6, 7 mm

Half Heart Left
7x4, 8x4.5 mm

Half Heart Right
7x4, 8x4.5 mm

1 Top view 2 Side view 3 Back view

Side View

Size	6.25x5 mm	7.5x6 mm
Zirconia Colors		
Zirconia Rough Colors		
White (0031)	◆	◆

Bloom

Size	4x4 mm	5x5 mm	6x6 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Grandiose

Size	5x3 mm	6x3.75 mm	8x5 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆

Leaf

Size	3x3 mm	4x4 mm	5x5 mm	6x6 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆

◆ Core Assortment

Bizarre Square

Size	5 mm	6 mm	7 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆
Zirconia Vibrant TCF™ Colors			
Vibrant Purple - Aqua (4008 TCF™)	■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)	■	■	■
Vibrant Rubellite - White (4711 TCF™)	■	■	■
Vibrant Spring Green - White (4010 TCF™)	■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)	■	■	■

Pentagon Star

Size	5x5 mm	6x6 mm	7x7 mm
Zirconia Colors			
Zirconia Rough Colors			
White (0031)	◆	◆	◆
Zirconia Vibrant TCF™ Colors			
Vibrant Purple - Aqua (4008 TCF™)	■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)	■	■	■
Vibrant Rubellite - White (4711 TCF™)	■	■	■
Vibrant Spring Green - White (4010 TCF™)	■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)	■	■	■

Round Rosebush

Size	4 mm	5 mm	6 mm	7 mm
Zirconia Colors				
Zirconia Rough Colors				
White (0031)	◆	◆	◆	◆
Zirconia Vibrant TCF™ Colors				
Vibrant Purple - Aqua (4008 TCF™)		■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)		■	■	■
Vibrant Rubellite - White (4711 TCF™)		■	■	■
Vibrant Spring Green - White (4010 TCF™)		■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)		■	■	■

◆ Core Assortment ■ Available on request

Half Heart Left

Size	7x4 mm	8x4.5 mm
Zirconia Colors		
Zirconia Rough Colors		
White (0031)	■	■

Half Heart Right

Size	7x4 mm	8x4.5 mm
Zirconia Colors		
Zirconia Rough Colors		
White (0031)	■	■

■ Available on request

Product Details

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Side View		
6.25x5 mm	60	14.986
7.5x6 mm	35	26.779
Bloom		
4x4 mm	80	8.664
5x5 mm	60	15.944
6x6 mm	35	27.221
Grandiose		
5x3 mm	80	7.216
6x3.75 mm	70	13.275
8x5 mm	40	31.01
Leaf		
3x3 mm	200	3.369
4x4 mm	80	7.503
5x5 mm	80	14.654
6x6 mm	60	24.654
Bizarre Square		
5 mm	60	25.977
6 mm	35	42.317
7 mm	35	67.198
Pentagon Star		
5x5 mm	80	17.864
6x6 mm	60	30.868
7x7 mm	35	42.891
Round Rosebush		
4 mm	80	9.501
5 mm	80	17.908
6 mm	60	30.946
7 mm	35	44.826
Half Heart Left		
7x4 mm	60	12.914
8x4.5 mm	60	22.013
Half Heart Right		
7x4 mm	60	12.914
8x4.5 mm	60	22.013

Vibrant Family

Summary

1 2 3

Bizarre Square
5, 6, 7 mm

Pentagon Star
5x5, 6x6, 7x7 mm

Round Rosebush
5, 6, 7 mm

Cushion Princess
5x5, 6x6, 7x7 mm

1 Top view 2 Side view 3 Back view

Bizarre Square

Size	5 mm	6 mm	7 mm
Zirconia Colors			
Zirconia Vibrant TCF™ Colors			
Vibrant Purple - Aqua (4008 TCF™)	■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)	■	■	■
Vibrant Rubellite - White (4711 TCF™)	■	■	■
Vibrant Spring Green - White (4010 TCF™)	■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)	■	■	■

Pentagon Star

Size	5x5 mm	6x6 mm	7x7 mm
Zirconia Colors			
Zirconia Vibrant TCF™ Colors			
Vibrant Purple - Aqua (4008 TCF™)	■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)	■	■	■
Vibrant Rubellite - White (4711 TCF™)	■	■	■
Vibrant Spring Green - White (4010 TCF™)	■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)	■	■	■

Round Rosebush

Size	5 mm	6 mm	7 mm
Zirconia Colors			
Zirconia Vibrant TCF™ Colors			
Vibrant Purple - Aqua (4008 TCF™)	■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)	■	■	■
Vibrant Rubellite - White (4711 TCF™)	■	■	■
Vibrant Spring Green - White (4010 TCF™)	■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)	■	■	■

Cushion Princess

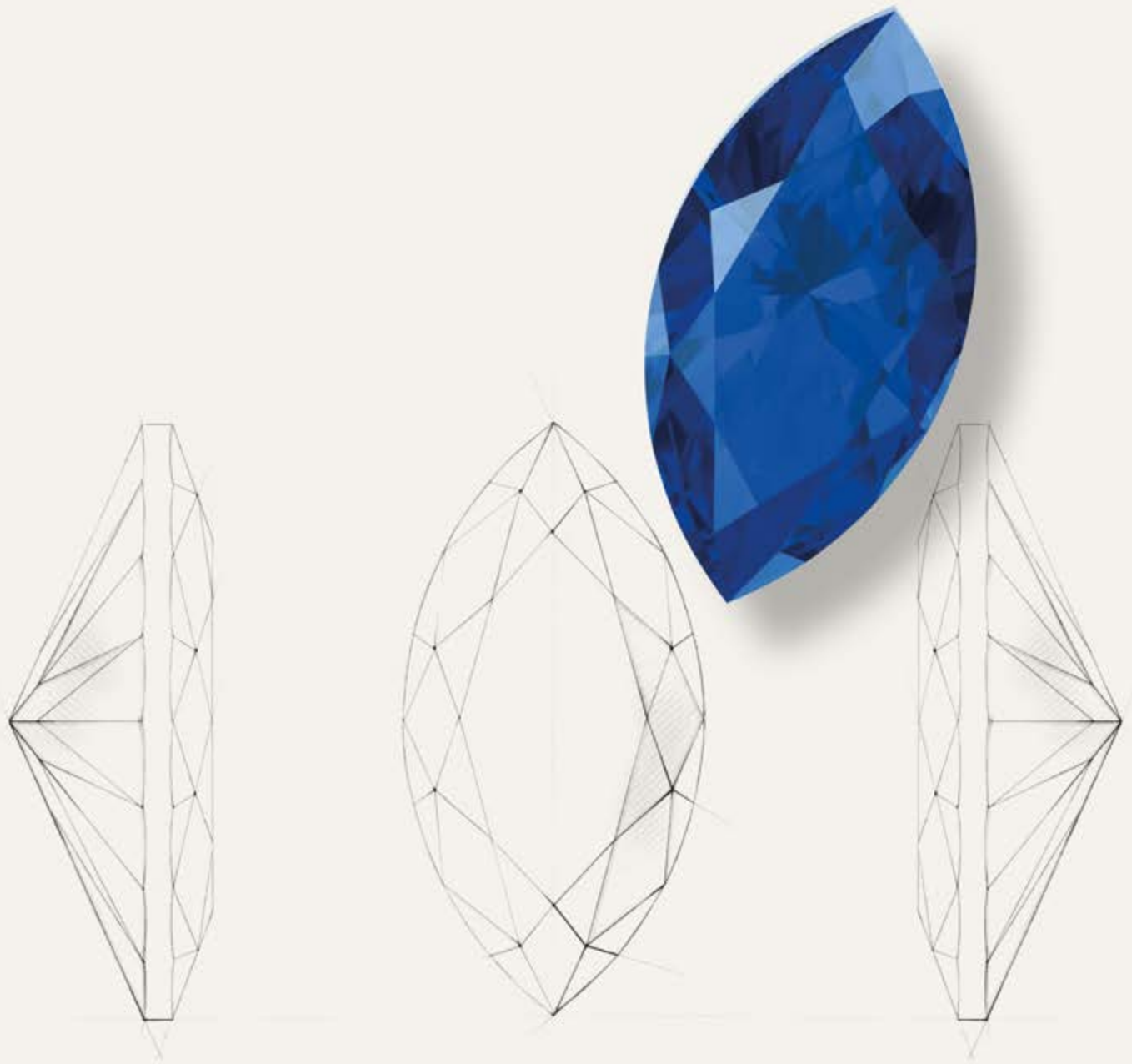
Size	5x5 mm	6x6 mm	7x7 mm
Zirconia Colors			
Zirconia Vibrant TCF™ Colors			
Vibrant Purple - Aqua (4008 TCF™)	■	■	■
Vibrant Red - Orangy Yellow (4004 TCF™)	■	■	■
Vibrant Rubellite - White (4711 TCF™)	■	■	■
Vibrant Spring Green - White (4010 TCF™)	■	■	■
Vibrant Yellow - Lemon White (4702 TCF™)	■	■	■

■ Available on request

Product Details

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Bizarre Square		
5 mm	60	25.977
6 mm	35	42.317
7 mm	35	67.198
Pentagon Star		
5x5 mm	80	17.864
6x6 mm	60	30.868
7x7 mm	35	42.891
Round Rosebush		
5 mm	80	17.908
6 mm	60	30.946
7 mm	35	44.826
Cushion Princess		
5x5 mm	60	23.331
6x6 mm	35	40.316
7x7 mm	35	64.021

Swarovski Ceramics Collection



Basic Information

Swarovski Ceramics

Crafted with Swarovski's stand out technical expertise, and exclusively made in Austria, our Ceramics maintain a passion for quality. Holding ourselves to the highest possible standards in every stage of development, our Ceramics are noted for their color intensity, and ability to offer a range of indistinguishable gemstone inspired hues.
Offered in a selection of shapes and sizes with consistent and uniform colors, and exceptionally easy to work with, our Ceramics perfectly complement our Zirconia range, sharing the same exceptional quality and tolerance.

TRANSPARENCY EQUATES TO BRILLIANCE
We prioritize transparency throughout our supply chain, ensuring both product and workplace safety is paramount. Adhering to strict product standards, we also engage in best practices for work environments, inclusion and diversity, and have a long legacy of giving back.
At Swarovski, we are proud to say that our commitment to responsibility is not simply claimed, but lived.

What is Swarovski Ceramics?

Swarovski Ceramic is a partly crystalline ceramic substance: essentially a transparent, very hard glass ceramic. Forged in crucibles at 1600° to Swarovski's special formula, this protected process results in a contemporary, castable, "Made in Austria" ceramic that creates a brilliant selection of transparent colors of extraordinary clarity. Swarovski Ceramic has refraction and hardness properties similar to colored gemstones.

COMPARATIVE ANALYSIS

To demonstrate the supreme optical quality of ceramics, the following table compares our created stones with their natural counterparts.

Material	Diamond	Zirconia	Ceramics	Crystal
Refractive index (if high: high light return)	2.42	2.16	1.61	1.52 – 1.60
Hardness (Mohs) (resistance to scratches and abrasion)	10.0	8.5	7.0	5.2 – 5.7
Dispersion (BG) (fire)	0.044	0.061	0.024	0.016 – 0.025
Specific Gravity (influences carat weight)	3.5	5.9	3.0	2.5 – 3.0
Castable	Yes	Yes	Yes	No

PACKAGING AND LABELING

We take great care and pride in the handling and packaging of our exclusive products. The individual construction of our packaging allows for stacking, while the unique see-through design enables quick and easy identification of the contents. As a guarantee of quality and security, a special seal ensures that your Swarovski product is both original and intact.

Bar Coding
To guarantee the quality of our products, and to help trace the history of an order, each of our packages is tagged with a unique bar code label.

Trustseal
Our specially created Trustseal secures each product package and verifies the authenticity of our Created Stones. The complex design of the seal is similar to a hologram, making it virtually impossible to imitate.

Safety Tab
Our strict manufacturing standards call for dependable security solutions. In order to protect our packages from tampering, we have developed the Safety Tab – an important security feature, which is applied at the final stage of packaging. Once broken, the Safety Tabs cannot be reused, giving the customer a clear indication that the package has been tampered with. Should any of our packages be delivered damaged or with broken Safety Tabs, we kindly ask our customers to report the incident to their local sales office as soon as possible. The superior quality of our genuine Swarovski products can only be guaranteed when the Safety Tabs are fully intact. In order to open the packaging, please move the Safety Tabs in the direction of the arrow.

Passion for Shapes

Ceramics is a high-tech material, with 6 astonishing gemstone inspired cuts.

Round
Color Brilliance

Square Princess
Color Brilliance

Marquise
Color Brilliance

Pear
Color Brilliance

Oval
Color Brilliance

Heart

THE PERFECT CUT

Round Color Brilliance
Affording more fire and light than any competitor product, the patented Round Color Brilliance Cut is unique to the market.
Expertly designed and crafted to bring out intense reflection, and unrivalled depth of color, the cut has been technically perfected to deliver enhanced brilliance from every angle. This dazzling 360° approach makes it perfect for use in jewelry design.

SWAROVSKI CERAMICS COLORS

The Swarovski Ceramics color palette consists of intense blues and emerald green, from the pulsating intensity of the tropics, deep intense or fresh rain-washed greens, mellow and sweet shades of sunrise pinks and peaches; together they represent rain and sunshine, the earth's most potent energy sources.


Canary Yellow


Sunrise Yellow


Ruby Red Dark


Morganite Pink


Dusty Morganite


Paradise Green


Peridot Green


Emerald Yellowish Green


Emerald Green


London Blue


Sapphire Blue Medium


Sapphire Blue Dark


Black

Summary

1 2 3

Round Color Brilliance
1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 6, 7, 8 mm

Square Princess Color Brilliance
1.5, 2, 2.5, 3, 4, 5, 6 mm

Marquise Color Brilliance
3x1.5, 4x2, 5x2.5, 6x3, 7x3.5 mm

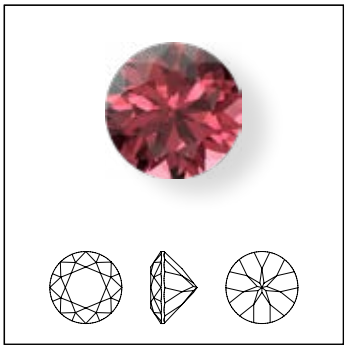
Pear Color Brilliance
3x2, 5x3, 6x4, 8x5 mm

Oval Color Brilliance
3x2, 5x3, 6x4, 7x5, 8x6 mm

Heart
3x3 mm

1 Top view 2 Side view 3 Back view

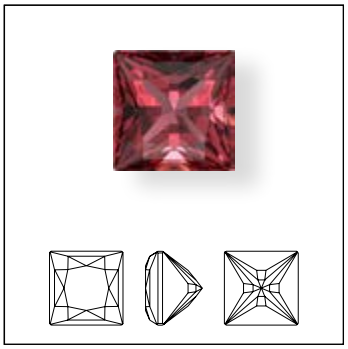
Round Color Brilliance



Size	1 mm	1.25 mm	1.5 mm	1.75 mm	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm	7 mm	8 mm
Ceramics Colors												
Ceramics Rough Colors												
Black (3327)	■	■	■	■	■	■	■	■	■	■	■	■
Canary Yellow (3215)	■	■	■	■	■	■	■	■	■	■	■	■
Dusty Morganite (3319)	■	■	■	■	■	■	■	■	■	■	■	■
Emerald Green (3203)	■	■	■	■	■	■	■	■	■	■	■	■
Emerald Yellowish Green (EM03)	■	■	■	■	■	■	■	■	■	■	■	■
London Blue (3221)	■	■	■	■	■	■	■	■	■	■	■	■
Morganite Pink (3213)	■	■	■	■	■	■	■	■	■	■	■	■
Paradise Green (3212)	■	■	■	■	■	■	■	■	■	■	■	■
Peridot Green (3211)	■	■	■	■	■	■	■	■	■	■	■	■
Ruby Red Dark (RD01)	■	■	■	■	■	■	■					
Sapphire Blue Dark (3200)	■	■	■	■	■	■	■	■	■	■	■	■
Sapphire Blue Medium (3047)	■	■	■	■	■	■	■	■	■	■	■	■
Sunrise Yellow (3230)	■	■	■	■	■	■	■	■	■	■	■	■

■ Available on request

Square Princess Color Brilliance



Size	1.5 mm	2 mm	2.5 mm	3 mm	4 mm	5 mm	6 mm
Ceramics Colors							
Ceramics Rough Colors							
Black (3327)	■	■	■	■	■	■	■
Canary Yellow (3215)	■	■	■	■	■	■	■
Dusty Morganite (3319)	■	■	■	■	■	■	■
Emerald Green (3203)	■	■	■	■	■	■	■
Emerald Yellowish Green (EM03)	■	■	■	■	■	■	■
London Blue (3221)	■	■	■	■	■	■	■
Morganite Pink (3213)	■	■	■	■	■	■	■
Paradise Green (3212)	■	■	■	■	■	■	■
Peridot Green (3211)	■	■	■	■	■	■	■
Ruby Red Dark (RD01)	■	■	■				
Sapphire Blue Dark (3200)	■	■	■	■	■	■	■
Sapphire Blue Medium (3047)	■	■	■	■	■	■	■
Sunrise Yellow (3230)	■	■	■	■	■	■	■

■ Available on request

Marquise Color Brilliance

Size	3x1.5 mm	4x2 mm	5x2.5 mm	6x3 mm	7x3.5 mm
Ceramics Colors					
Ceramics Rough Colors					
Black (3327)	■	■	■	■	■
Canary Yellow (3215)	■	■	■	■	■
Dusty Morganite (3319)	■	■	■	■	■
Emerald Green (3203)	■	■	■	■	■
Emerald Yellowish Green (EM03)	■	■	■	■	■
London Blue (3221)	■	■	■	■	■
Morganite Pink (3213)	■	■	■	■	■
Paradise Green (3212)	■	■	■	■	■
Peridot Green (3211)	■	■	■	■	■
Ruby Red Dark (RD01)	■	■			
Sapphire Blue Dark (3200)	■	■	■	■	■
Sapphire Blue Medium (3047)	■	■	■	■	■
Sunrise Yellow (3230)	■	■	■	■	■

Pear Color Brilliance

Size	3x2 mm	5x3 mm	6x4 mm	8x5 mm
Ceramics Colors				
Ceramics Rough Colors				
Black (3327)	■	■	■	■
Canary Yellow (3215)	■	■	■	■
Dusty Morganite (3319)	■	■	■	■
Emerald Green (3203)	■	■	■	■
Emerald Yellowish Green (EM03)	■	■	■	■
London Blue (3221)	■	■	■	■
Morganite Pink (3213)	■	■	■	■
Paradise Green (3212)	■	■	■	■
Peridot Green (3211)	■	■	■	■
Ruby Red Dark (RD01)	■			
Sapphire Blue Dark (3200)	■	■	■	■
Sapphire Blue Medium (3047)	■	■	■	■
Sunrise Yellow (3230)	■	■	■	■

02

■ Available on request

Oval Color Brilliance

Ceramics Colors	Size	3x2 mm	5x3 mm	6x4 mm	7x5 mm	8x6 mm
Ceramics Rough Colors						
Black (3327)		■	■	■	■	■
Canary Yellow (3215)		■	■	■	■	■
Dusty Morganite (3319)		■	■	■	■	■
Emerald Green (3203)		■	■	■	■	■
Emerald Yellowish Green (EM03)		■	■	■	■	■
London Blue (3221)		■	■	■	■	■
Morganite Pink (3213)		■	■	■	■	■
Paradise Green (3212)		■	■	■	■	■
Peridot Green (3211)		■	■	■	■	■
Ruby Red Dark (RD01)		■				■
Sapphire Blue Dark (3200)		■	■	■	■	■
Sapphire Blue Medium (3047)		■	■	■	■	■
Sunrise Yellow (3230)		■	■	■	■	■

Heart

Ceramics Colors	Size	3x3 mm
Ceramics Rough Colors		
Ruby Red Dark (RD01)		■

■ Available on request

Product Details

Article Size	Packaging Quantity (pcs)	Approx. Weight (grams/100 pcs)
Round Color Brilliance		
1 mm	1,000	0.085
1.25 mm	1,000	0.167
1.5 mm	1,000	0.296
1.75 mm	1,000	0.445
2 mm	500	0.661
2.5 mm	500	1.255
3 mm	200	2.227
4 mm	80	5.014
5 mm	80	9.219
6 mm	60	16.082
7 mm	35	24.312
8 mm	35	35.832
Square Princess Color Brilliance		
1.5 mm	200	0.296
2 mm	200	0.661
2.5 mm	200	1.255
3 mm	100	2.227
4 mm	80	5.014
5 mm	60	9.219
6 mm	35	16.082
Marquise Color Brilliance		
3x1.5 mm	100	0.510
4x2 mm	100	1.210
5x2.5 mm	100	2.363
6x3 mm	70	4.083
7x3.5 mm	60	6.100
Pear Color Brilliance		
3x2 mm	100	0.877
5x3 mm	80	3.310
6x4 mm	70	6.677
8x5 mm	40	14.474
Oval Color Brilliance		
3x2 mm	100	0.864
5x3 mm	80	3.608
6x4 mm	70	6.910
7x5 mm	40	12.211
8x6 mm	40	22.149
Heart		
3x3 mm	200	2.091

Application Inspirations

Swarovski Created Stones allow you to stand out from competitors and create significant added value for your products. We offer this practical introduction to created stone setting as a tool to identify the application methods most relevant to your business, complete with illustrations to inspire you to bejewel your products with Swarovski Created Stones.

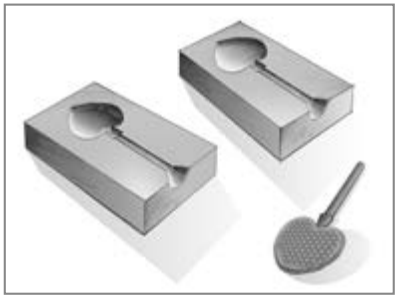
Casting in place / Lost wax casting

This technique is the standard method for setting stones in the fine jewelry industry. It is ideal for stone-intensive designs and metals like brass, silver, gold, along with other metals with a low melting points. Casting of stainless steel is not possible.

Mostly stones up to 3 mm can be cast in place and works best with round stones, rather than fancy shapes, as they are difficult to set properly.

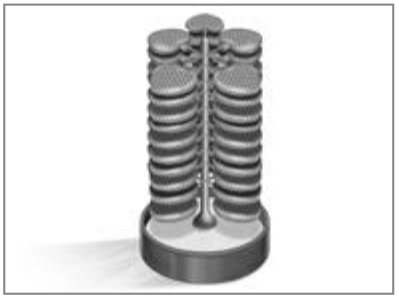
Recommended for:
- Stone intensive designs
- Jewelry-like components
- Brass, silver, gold and other metals with low to medium melting point

Advantages:
- High quality
- Many design possibilities



1 Liquid wax is injected into a rubber mold to create a wax model. Duplicates of the wax model are made from the same mold.

2 A vacuum needle is then used to mount stones by hand onto each of the wax models.



3 All the wax models are soldered on the so-called wax tree.

4 The wax tree is placed in a crucible. A machine is then used to inject investment, usually plaster, into the space surrounding the wax tree.

5 The crucible is heated in an oven, the burn out furnace, to melt and 'burn out' the wax. There is now empty space where the wax tree used to be. Only the investment remains.

6 A casting machine next fills the investment with a choice of liquid metal (gold, silver,brass or alloys). By using pressure from above and vacuum from below, the casting machine not only ensures that the metal quickly fills the empty space but also that no air bubbles remain within the newly cast jewelry pieces.

7 After casting, four hours are needed for the crucible to cool down to room temperature. The crucible is then quenched in water, also at room temperature, to dissolve the investment. The remaining metal tree is then jet cleaned with water before it is acid cleaned, for example with a 20% phosphoric acid solution.

8 The casting process is now complete and the individual jewelry pieces can be cut off the metal tree.

9 The individual jewelry pieces can now be finished and polished.

CNC

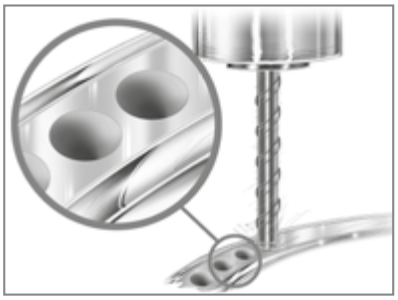
CNC Setting was invented by the watch industry in the late 80`s and is one of the most advanced stone setting methods. The same design can easily be reproduced in high quantities with very high precision.

Recommended for:
- Stone intensive designs
- Stainless steel
- Aluminum
- Brass & Chromium
- Big Volumes

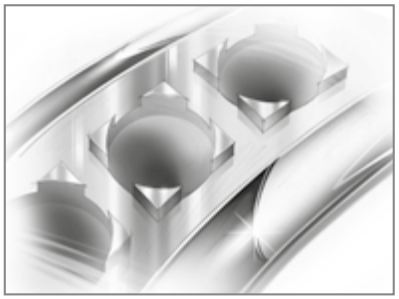
Advantages:
- High quality setting, jewelry-like look
- Very precise dimensions
- Many design possibilities
- Setting can be done on curved surfaces as well

1 A CAD/CAM technical drawing of the stone-set part must be created first.

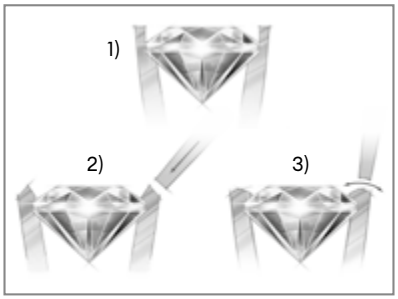
2 The CAD/CAM drawing is used to program the CNC machine.



3 The CNC machine first mills the cavities into the metal part.



4 Next, the prongs are milled out of the metal part.



5 The stone setting is usually done manually in 3 steps:
1) The stone is placed into the cavity.
2) The prongs are bent over the edge of the stone.
3) The prongs are rounded and polished.

6 The manual beading and polishing of the prongs is often done under a microscope.

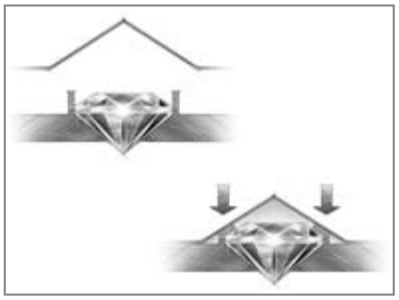
7 The CNC set metal part is now finished.

Bezel Setting

The earliest known technique of attaching stones to jewelry. A bezel setting holds a gemstone securely, and the low, protective profile it creates, makes a bezel setting a good choice for people with active lifestyles. Bezel setting offers better protection of the stone and is ideal for cabochons or faceted stones.

Recommended for:
- Single stones, big stones
- Stainless steel, brass
- Thin metal, low thickness

Advantages:
- Low weight
- Low cost



1 In preparation, a strip of metal is bent into the exact shape and size of the selected stone. After the stone has been inserted into the cavity, a setting tool is used to press the metal strip onto the stone. The metal strip is now bend over the edge of the stone.

2 In the above illustration, you can see exactly how the stone sits in the bezel setting.

Melt Setting

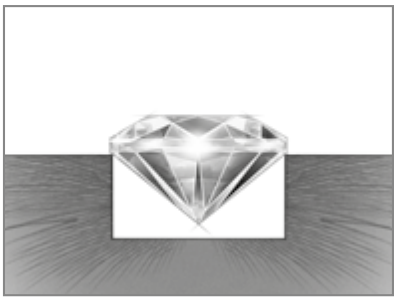
The melt setting is a simple and clean method of applying stones in thermoplastics such as Polyurethane, Polypropylene, PVC, ABS and Acetate. This technique requires a stone seat that is slightly smaller than the outside diameter of the stone. For the application, the stone is placed on the stone seat and heat and light pressure is applied to the table of the stone.

After a short time, the edge area of the stone seat melts and the stone sinks into the thermoplastic material, which finally forms a interlock similar to a bezel setting

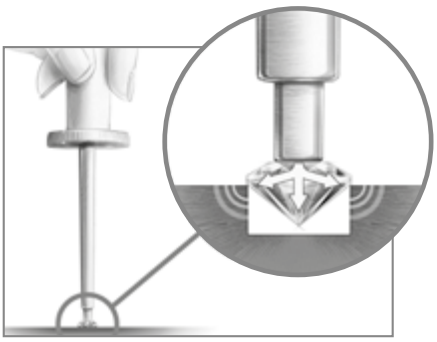
Recommended for:
- Meltable plastics such as polyurethane, polypropylene, pVC, ABS, Acetate
- Small or large production quantities

Advantages:
- Low cost
- Easy to apply
- Environmentally friendly (only heat is needed for application)

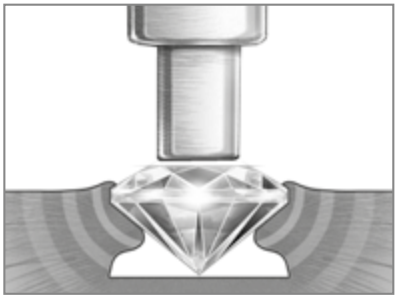
1 First, a hole needs to be created in the base material. This can be created by drilling, or during the plastic in-jection process. The hole can pass straight through the material. Alternatively it can be drilled only a part of the way into the material. Always leave enough room for a small pillow of air beneath the stone to ensure its brilliance.



2 The stone must be placed parallel to the hole. In this ex-ample, the hole has been drilled through the material.



3 Place the heating unit on the stone table. ensure that the heating unit (e.g. heating pen) is only touching the stone surface and table.



4 As the heated stone begins to melt the plastic material, the heating unit is used to push the stone gently down into that material.

5 The heating unit is removed, and the stone and setting left to cool. The plastic now firmly holds the stone, just like a bezel.

Sandwich Setting

The sandwich setting is as simple as its name suggests. The selected stone is held in place between two layers of plastic, creating a sandwich. Alternatively, one of the layers – or sometimes even both – can be out of metal. The base piece has the cavity necessary to hold the stone, and the top piece works to keep the stone in place.

Recommended for:
- Plastic parts
- Plastic and metal combinations

Advantages:
- Low cost
- Easy to apply

1 Here is an illustration of an earphone with three stones being put into place between the two layers of plastic.

2 The two plastic layers can be fastened together either with glue or with a snapping mechanism.

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