



# Cristal®



## Shiny design for elegant writing

### Product main features

Ball pen, classic ink, hexagonal and plated barrel, large point size 1.6 mm for a line width of 0,42 mm, light (< 6 gr).  
Made in Tunisia.

### Cartridges made by BIC



Classic ink made by BIC  
- Smooth writing  
- Instant drying

Ink Colors : ● ●

### Point made by BIC



Unique and highly precise manufacturing process for a regular ink flow.

### Tungsten carbide ball



Perfectly spherical and resistant ball  
100% of the balls are controlled  
Ensures quality and writing precision  
Ø 1,6 mm for average line width of 0.42 mm.



### Welded plug in polystyrene

Reduces asphyxiation hazard by inhalation

### Venting hole

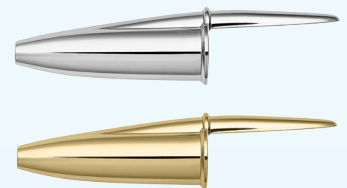
Equalizes the pressure inside the pen with the one outside to prevent from leakage

### Hexagonal barrel in polystyrene with vacuum plated varnish layer

Robust  
Metallic effect

### Ventilated cap in polypropylene

Reduces asphyxiation hazard by inhalation



### Process and Controls

Fully manufactured in BIC factories.  
More than 70 quality controls are performed throughout BIC® Cristal® Shine production process, from components to the finished product.

### Norms and regulations compliance

- **Product**
  - ISO 11540 / BS7272-1 (cap)
  - BS 7272-2 (plug)
  - REACH/EC N° 1907/2006

#### • Packaging

- Packaging compliant with packaging & packaging waste European directive: 94/62/EC

### Environment and social responsibility

#### • Environment

- Additional features:
  - . PVC free product
  - . Light

#### • Social responsibility

- Made in Tunisia
- Auditing process by an independent company

### Logistics Data

#### • Pen

- Length: 147 mm
- Diameter: 8,3 mm
- Weight: 5.62g



# CRITERIUM®

## HB #2 Refillable Mechanical Pencil with 2 mm lead and an incorporated sharpener

### Product description

HB #2 refillable mechanical pencil with 2 mm lead, which is 115 mm long, an incorporated lead sharpener and eraser on the pusher, ideal for technical drawing

### Incorporated sharpener and eraser



### Metal clip

- High resistance

### Hexagonal barrel

### Lead sharpener

### Eraser

### Eraser holder

### Lead tube

### Guide

### Nose cone with chuck and spring



### Ideal for technical drawing



### No slip ridges on barrel for better grip

### HB #2 2 mm lead

- 115 mm long
- Complies with ISO 9177-2 standard
- Ultra solid lead



### Available in black and white barrel



### Manufacturing Process and controls

Assembled in Japan. 100% of products are checked by hand. In process controls (visual for plastic parts, actuation for finished products).

### Compliance with standards and regulations

#### Product:

- Complies with ISO 9177-2 standard for Mechanical Pencil lead classification and dimension
- Heavy Metal content tested by an external laboratory. EN71-3:1995, 16 CFR 1303, REACH – Annex XVII – entry n°23 and entry n°63
- Conforms to REACH / EC No. 1907/2006
- Complies with applicable phthalate regulations

#### Packaging:

- Packaging compliant with packaging & packaging waste European directive (94/62/EC)

### Environment and social responsibility

#### Environment:

- ISO 9001 certified factory
- PVC free product
- Latex free eraser
- Refillable product

#### Social responsibility:

- BIC Group Code of Conduct based on ILO (International Labour Organization) conventions

### Logistics data

#### Product:

- Length: 142 mm
- Diameter: 8.3 mm (without clip)
- Weight: 12 g



# MARKING

## METALLIC PERMANENT MARKER

### Product main features

The BIC Marking Metallic Permanent Marker offers a vivid array of inspirational metallic colors. The acid free ink marks on light and dark porous surfaces leaving bold, long lasting color. The rubber grip adds extra comfort and control throughout the product's 18 month shelf life.

#### Polypropylene Barrel

Screen printed  
1.54 cm diameter  
13.67 cm length

#### Polyester Filler

1.5 g of ink



#### TPE Grip



Comfort  
Good writing control

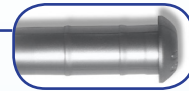
#### Blocked nib

Excellent resistance to push back

#### Medium bullet polyester point



Line width: 0.8 x 1.8 mm  
Shaped for fine lines



#### End Plug

Press fit with retention rings

#### Low Odor Alcohol ink

Acid free  
Vivid colors  
Water resistant



#### Polypropylene Cap

Welded lip  
Audible snap to verify seal

#### Polyethylene Vapor Seal

To ensure air tight seal



### Process and Controls

#### Full automatic assembly

- Automatic injection molding process.
- Incoming inspection on raw materials and sourced components.
- Internal components – Ink, cap, barrel, grip, end plug, vapor seal, clip.
- Products audited prior to shipment.
- Over 50 visual and functional aspects tested prior to release.

#### Laboratory controls

- Ink, filler, and nib physico-chemical measures.
- Mileage, cap off time, drop test, oven leakage, dry abrasion, water resistance, solvents resistance, lightfastness, ink drying time on supports.
- Age tests at 23°C, 48°C & 55°C, evaporation test at 23°C & 48°C.

#### Production controls

- Statistical control for: Ink weight, clip position, molded part dimensions.
- Vacuum testing for leakage.
- Write tests and visual inspections.
- Ink, cap, end plug, barrel, vapor seal, nib are checked for presence during assembly.
- AQL standards used in approval of all components.

### Norms and regulations compliance

#### Product

- Ink assessed by an external toxicologist (ASTM D-4236)
- Heavy Metal content tested by an external laboratory (EN71-3: 1995, A1:2000/AC 2002, 16 CFR 1303, REACH – ANNEX XVII-entry n°23 and entry n°63)
- Cap compliant with safety cap standard (ISO 11540 / BS 7272-1)
- End plug compliant with safety end-plug standard

### Environment and social responsibility

#### Environment

- Free PVC product
- Packaging compliant with packaging & packaging waste European directives: 94/62/EC

#### Social responsibility

- Made in the USA
- BIC Group Code of Conduct based on ILO conventions.
- Self assessment process with corrective action plan.



### Logistics Data

#### Marker

- Length: 138.9 mm
- Diameter: 16.2 mm
- Weight: 10.4 g

## HB #2 Graphite Pencil in black with a shock resistant lead

### Product main features

HB #2 Graphite Pencil, hexagonal shape, 6.9 mm on flats, shock-resistant 2.3 mm lead, 175 mm of length, surrounded by protective sheath, black wood-free resin with silver varnish, manufactured from 55%\* recycled material, accredited with NF Environment Ecolabel, made in France.

#### Long hexagonal body

- 175 mm
- Does not roll off the table

#### Wood free pencil

- Made from 55%\* recycled material
- Made of synthetic resin
- Unique and patented manufacturing process



#### Drop resistant

- Does not splinter on breaking
- Resistant to chewing (no detachable parts such as varnish or splinters)



#### Black synthetic resin

#### Easy to sharpen

- A continuous shaving/chip when sharpened

#### Shock-resistant lead

- Lead surrounded by protective sheath.



#### HB # 2 Graphite lead

- 2.3 mm lead diameter
- Excellent erasability



### Manufacturing Process and controls

Entirely made in the BIC factory of Samer (62, France) with a unique and patented extrusion process. 31 quality controls performed all along the manufacturing process (from raw material to finished product).

### Compliance with standards and regulations

- **Product:**
  - Conforms to ASTM D-4236
  - Heavy metal content tested by an external laboratory (EN71-3:1995, 16 CFR 1303, REACH – Annex XVII – entry n°23 and entry n°63)
  - Conforms to REACH/EC no. 1907/2006
  - Complies with applicable phthalate regulations
- **Packaging:**
  - Packaging compliant with packaging & packaging waste European directive (94/62/EC)
  - Eco designed packaging: volume, weight and optimized usage of material

### Environment and social responsibility

- **Environment:**
  - ISO 14001 certified factory
  - ISO 9001 certified factory
  - Manufactured with 55%\* recycled material
  - PVC free product
  - NF Environment certification (NF environment is the official French ecological certification. It is awarded to products that have a reduced effect on the environment while offering an equivalent performance)
- **Social responsibility:**
  - Made in France
  - BIC Group code of conduct based on ILO (international Labour Organisation) convention



### Logistics data

- **Product:**
  - Length: 175 mm
  - Width: 6.9 mm on flats
  - Weight: 5 g



4 Colours™



4 Colours™ Shine

### Product main features

BIC® 4 Colours™ Shine ball pen is a retractable ball pen containing four (4) classic ink cartridges. The 1.0 mm cartridges produce 0.4 mm line widths and offer long mileage to the consumer. Barrels are coated in six (6) different metallic colors. 4 Colours™ Shine pen is assembled at a BIC facility in France.

### Ball Pen cartridges made by BIC



Classic ink made by BIC:  
- Smooth writing  
- 24 month shelf life

Ink Colors: ● ● ● ●

### Ball Pen point made by BIC

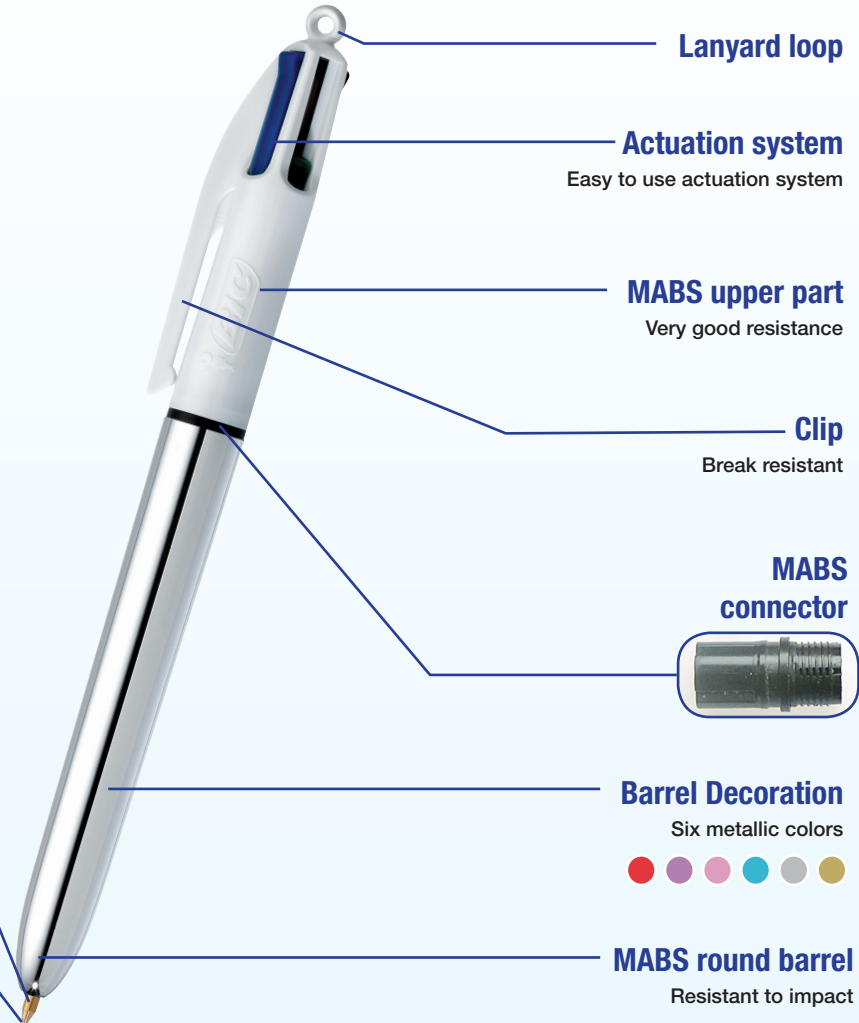


State-of-the-art and highly precise manufacturing process for a regular ink flow

### Tungsten carbide ball



- Perfectly spherical and resistant ball
- 100% of the balls are controlled
- Ensures quality and writing precision
- Ø 1.0 mm for average line width of 0.4 mm



Lanyard loop

Actuation system

Easy to use actuation system

MABS upper part

Very good resistance

Clip

Break resistant

MABS connector



Barrel Decoration

Six metallic colors



MABS round barrel

Resistant to impact

### Process and Controls

Numerous quality controls are performed throughout BIC® 4 Colours™ Shine pen production process, from components to the finished product.

### Norms and regulations compliance

#### Product

- Ink assessed by an external toxicologist (ASTM D-4236)
- Heavy Metal content tested by an external laboratory (EN71-3: 1995, A1:2000/AC 2002, 16 CFR 1303, REACH – ANNEX XVII-entry n°23 and entry n°63)

#### Packaging

- Packaging complies with European directive (94/62/EC) relating to packaging and packaging waste
- Local packaging Eco-packaging: the volume, weight and materials used are optimized

### Environment and social responsibility

#### Environment

- PVC free product
- Refillable<sup>(1)</sup>

#### Social responsibility

- Made in France
- BIC Group Code of Conduct based on ILO conventions
- Self assessment process with corrective action plan
- Products audited prior to shipment



### Logistics Data

#### Pen

- Length: 145.0 mm
- Diameter: 16.0 mm
- Weight: 11.6 g

#### Packaging

- Blister of 1
- Box of 12

(1) Pen is designed to be refillable. Refills available in select regions.



## Product main features

BIC® intensity® fine writing felt pen makes the precise, clean, crisp lines needed for fine writing, drawing, and drafting. Write, color, and create in 11 vibrant colors. A specially designed metal support maintains the shape and positioning of the tip for continued use throughout intensity® writing felt pen's 3 year life.

### Polypropylene Barrel

Decorative wrap  
8.4 mm diameter  
135.0 mm length

### Polypropylene end plug

Fit with retention rings



### Polyester Filler

1.0 g of ink



### Water based dye ink

Vivid colors



### Polyacetal nib with metal support

Strong resistance to pressure causing retraction  
Line width: 0.4 mm  
Diameter: 0.8 mm



### Polypropylene Cap

Air tight seal  
Audible snap to verify seal

## Process and Controls

- Full automatic assembly
- Automatic injection molding process
- Incoming inspection on raw materials and sourced components: filler and nib
- Internal components: ink, cap, barrel, end plug
- Products audited prior to shipment
- Numerous visual and functional aspects tested prior to release

### Laboratory controls

- Ink and nib: physico-chemical measures
- Mileage, laydown and recovery, cap off time, drop test, oven leakage, smoothness, bleed through, dry time, ink system robustness
- Mechanical force testing of component fits
- Age tests at 23°C, 40°C, & 55°C; evaporation test at 23°C & 48°C

### Production controls

- Statistical control on automated machine to monitor quality of process
- Dimensional control on molded components checked at standard intervals
- Writing tests, component removal forces, and visual inspections verified for quality
- Ink, nib and filler are checked for presence during assembly
- AQL standards used in approval of all components

## Norms and regulations compliance

### Product

- Ink assessed by an external toxicologist (ASTM D-4236)
- Heavy Metal content tested by an external laboratory (EN71-3: 1995, 16 CFR 1303, REACH – ANNEX XVII-entry n°23 and entry n°63)
- Cap compliant with safety cap standard (ISO 11540 / BS 7272-1)
- End plug compliant with safety end-plug standard (BS 7272-2)

### Packaging

- Packaging complies with European directive (94/62/EC) relating to packaging and packaging waste
- Local packaging Eco-packaging: the volume, weight and materials used are optimized

## Environment and social responsibility

### Environment

- Water based ink
- PVC free product
- Packaging compliant with packaging & packaging waste European directives: 94/62/EC TBC

### Social responsibility

- Made in Korea
- BIC Group Code of Conduct based on ILO conventions
- Third party assessment process with corrective action plan

## Logistics Data

### Marker

- Length: 155.0 mm
- Diameter: 9.0 mm
- Weight: 6.1 g

### Packaging

- Blisters of 4, assorted
- Blister of 8, assorted
- Blister of 12, assorted
- Blister of 20, assorted
- Box of 12, single color



# Gel-ocity™ Quick Dry

## Product main features

BIC® Gel-ocity™ Quick Dry gel pen is a retractable gel pen featuring ultra fast drying, smear resistant ink. The 0.7mm point cartridge is available in thirteen (13) ink colors. BIC® Gel-ocity™ Quick Dry gel pen is manufactured in Japan.

### Gel Pen cartridges



**Gel ink:**  
- Water based dye gel ink  
- 18 month shelf life



### Stainless steel gel pen point



State-of-the-art and highly precise manufacturing process for a regular ink flow.

### Tungsten carbide ball



Perfectly spherical and durable ball  
100% of the balls are controlled  
Ensures quality and writing precision  
0.7 mm for a line width of 0.2 mm – 0.3 mm

**MABS actuator**  
Translucent

**MABS clip**  
Good resistance to breaking

**ABS barrel**

**Thermoplastic rubber grip**  
Integrated bi-injection molding

**MABS Nose cone**

## Process and Controls

Numerous quality controls are performed throughout BIC® Gel-ocity™ Quick Dry gel pen production process, from components to the finished product.

### Norms and regulations compliance

- Product**
  - Ink assessed by an external toxicologist (ASTM D-4236)
  - Heavy Metal content tested by an external laboratory (EN71-3: 1995, 16 CFR 1303, REACH – ANNEX XVII-entry n°23 and entry n°63)
- Packaging**
  - Packaging complies with European directive (94/62/EC) relating to packaging and packaging waste
  - Local packaging Eco-packaging: the volume, weight and materials used are optimized

### Environment and social responsibility

- Environment**
  - PVC free product
- Social responsibility**
  - Made in Japan
  - BIC Group Code of Conduct based on ILO conventions
  - Self assessment process with corrective action plan
  - Products audited prior to shipment

### Logistics Data

- Pen**
  - Length: 146.3 mm
  - Diameter: 15.9 mm
  - Weight 11.0 g
- Packaging**