

## Main features

- Long writing length : 2 to 3 kilometers
- Oil based ink: excellent writing quality
- No leaking and good clear drain
- Cap off time more than 1 year (ISO 554)
- Hexagon-shaped barrel, easy to handle
- Estimated shelf life : 3 years
- Complies with ISO 12757 part 1&2 (General and documentary use)

## Process and Controls

- More than 50 years of experience in mass production
- Full in-house manufacturing: ball, point, ink, barrel and cap
- Unique point manufacturing process: cold forming, no scratchy
- Assembling and injection process

## Laboratory controls

- Start up, writing quality, smoothness, laydown
- Mileage, ageing, dry time, wearing, seepage, back leak, clear drain, clogging resistance, line width

## Production controls

- Ball, point, pieces presence control on 100 % of products
- 4 controls a day for ink: viscosity, pH, humidity rate, writing quality
- Controls per statistical pick up: dimension, roughness, aspect, resistance

## Product safety

- Ink assessed by an external toxicologist (ASTM D-4236)
- Heavy metal content tested by an external laboratory (EN71-3, ASTM F 963, 16 CFR 1303, 91/338/EEC)
- Cap compliant with safety cap standard (ISO 11540 /BS 7272-1)
- End-plug compliant with safety end-plug standard (BS7272-2)

## Ball pen in 4 colours with medium point

**Cartridge**  
0.4 g of ink



**Polypropylene tube**

**Oil based ink**  
Permanent and water resistant  
Quick drying (<2 seconds)  
Smooth writing

**Clear barrel**  
To see ink supply

**Medium point**  
1 mm diameter  
Line width: 0.4 mm

**Brass insert**  
Better prevention to solvent loss



**Polystyrene point support**  
Direct connection between point and ink



**Plug**

**Polystyrene barrel**  
Robust and light



**Hole in barrel**  
Equalizes the pressure inside the pen with the one outside  
To allow writing  
To prevent ink leakage

**Hexagonal barrel**  
Comfortable handling  
8.3 mm diameter  
14.7 cm of length

**Tungsten carbide ball**  
Perfect sphere  
Very resistant



**Ventilated cap**  
Minimizes asphyxiation hazard for children



## Environment

- Long lasting product (writing length)
- Optimal material consumption
- Simplified life cycle analysis results available
- PVC free product
- Packaging compliant with packaging & packaging waste European directive (94/62/EC)



## Corporate social compliance

- Made in France
- BIC Group Code of Conduct based on ILO conventions
- Self assessment process

