



# Learner Ball Pen Twist System

## Main features

- Retractable ball pen for learning
- Large easy to handle barrel
- Visual guiding line for correct finger positioning
- For left and right handed
- Oil based ink: excellent writing quality
- Good clear drain
- Blue ink
- Refillable
- Complies with technical requirements of ISO 12757-1&2 (General & documentary use)
- Estimated shelf life: 2 years

## Process and Controls

- Full in-house manufacturing: ball, point, ink, ink tube
- Unique point manufacturing process: cold forming, no scratching
- 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
- Tested to 50 000 cycles
- 10 drops from 1 meter

## Production controls

- 100% parts presence checked by the hand assembly
- 4 controls a day for ink: viscosity, pH, humidity rate, writing quality
- 100% actuation controls
- Controls per statistical pick up
- Injection parts: 100% visual aspects of all parts
- Assembly: visual and actuation for 100 % of the products.

## Product safety

- Ink assessed by an external toxicologist (ASTM D-4236)
- Heavy metal content tested by an external laboratory (EN71-3 : 1995, A1 : 2000. 91/338/EEC)

**Cartridge**  
0.32 g of ink

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

**ABS barrel**  
Diameter: 14.5 mm  
Length: 11.95 cm  
(total product length)

**Visual guiding line**

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



Correct finger positioning



\*89% out of 101 French teachers interviewed by Eurosyn recommended BIC Kids line for learning (July 2013)

## Environment

- PVC free product
- Refillable
- Packaging compliant with packaging & packaging waste European directive: 94/62/EC (on volume/weight reduction and on dangerous substances restriction)



## Social Audit

- BIC Group Code of Conduct based on ILO conventions.
- Auditing process with corrective action plan by an independent company

## Country of Origin

- Made in Japan