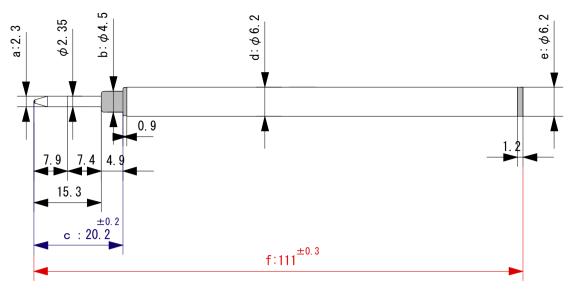
[Non-dry Ceramic Roller Refill]



•Plug(part marked in gray) is made of plastic.

Ink Composition: Dyestuff + Water + Additives

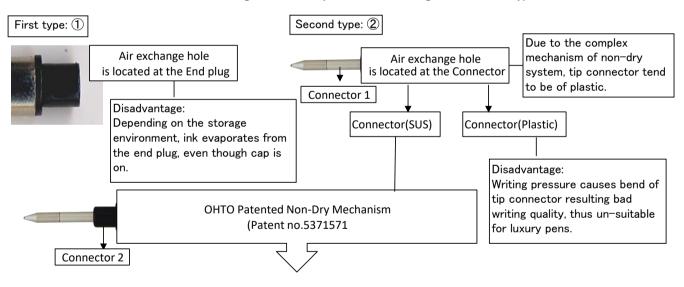
Property Capillary action

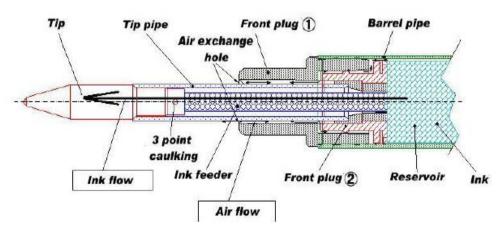
Feature: Non-Dry Mechanism, Silicone Carbide(SiC)Ceramic Ball



Non-Dry Mechanism

Based on the location of Air Exchange Hole, Non-dy refills can be categorized into two types.





Ceramic Ball(SiC)

Prerequisites for the ball of quality Roller pen

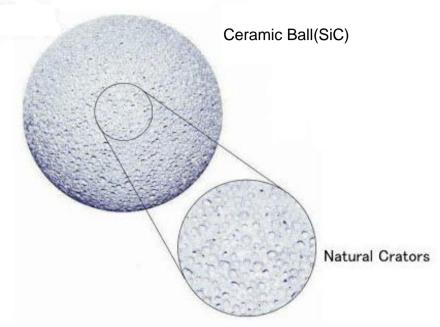
1)Surface of the ball should be appropriately uneven

CERAMIC BALL(SiC) possess unlimited craters on the surface.

Natural reservation of ink on these crators helps to give ultra smooth writing contineously.

Performance comparison: Ceramic Ball(SiC):

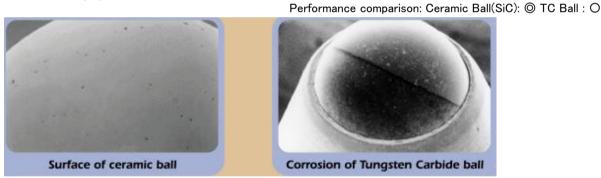
TC Ball:



2)Writing Ball should possess Chemical stability property to perform storage stability

- Chemical resistance
- Corrosion resistance
- Friction resistance

CERAMIC BALL(SiC) performs excellent storage stability because the ball does not rust. It is very strong against corrosion and friction



3) Ball should have Hardness property to avoid deformation

CERAMIC BALL(SiC) is as hard as diamond, and very difficult to deform.

It perform smooth rotation always.

■Benefits:

- Smooth and Instant writing
- Controlled ink outflow
- Non dry mechanism
- Shelf life: 10years

Performance comparison: Ceramic Ball(SiC):

TC Ball:

Specification:

Size: 111

Ball diameter: 0.4mm/0.5mm/0.7mm /1.0mm

Material

Ball: Silicone Carbide(SiC)Ceramic

Tip shape: Cone
Tip housing:: SUS
Connector 1: SUS
Connector 2: PP
Barrel: SUS
Cap: PP
End plug: PP
Ink feeder: Polyster

Ink Color: Blue/Black/Blue black/Red

Ink content: 0.95g Writing distance: 0.4mm: 1000m 0.5mm: 800m 0.7mm: 700m

Reservoire: PP