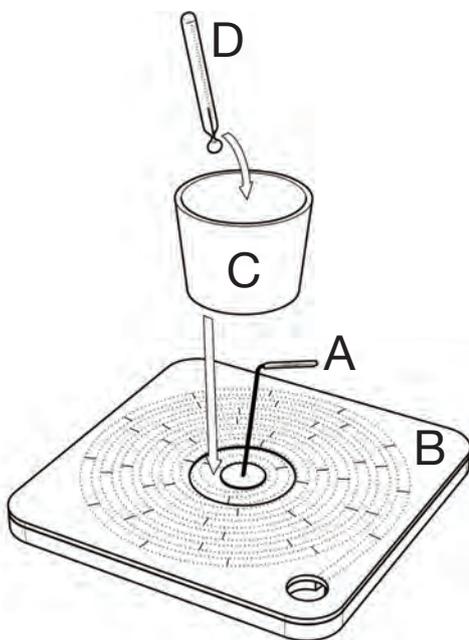


## User instruction

# LOOP Light-Metal

LOOP is a one-time-use tool for measuring the metal quality. LOOP is made of AES (Alkaline Earth Silicate wool) which is safe to the health for normal use. The metal will stay hot for a long time so be careful not to get burn. Use a safety gear for handling the melt metal with protection for eyes and skin.



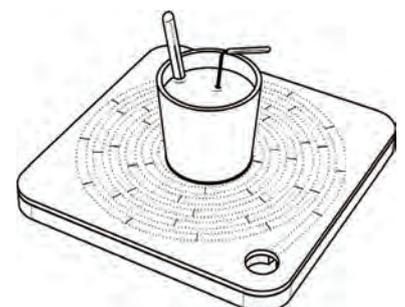
1.

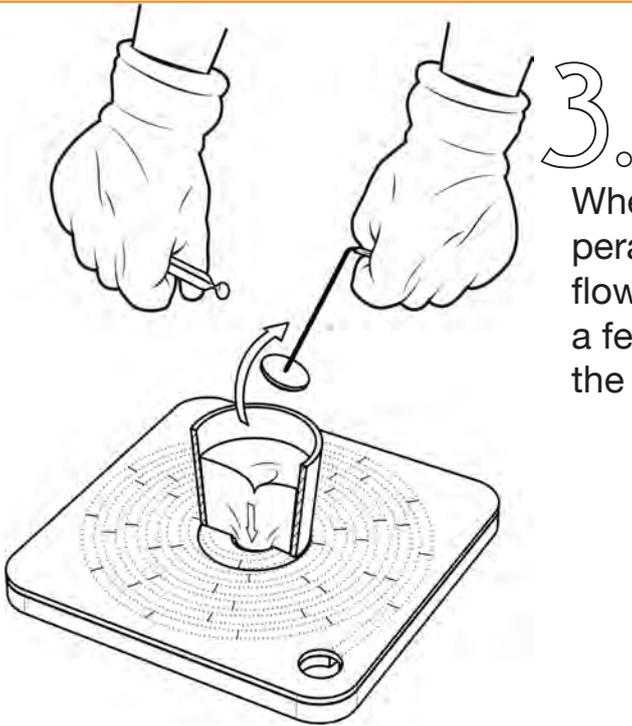
The LOOP is delivered in three parts. First mount the plug [A] in the bottom plate [B]. Then place the cup [C] on the bottom plate. Make sure that the cup is centralized around the plug and the plug mounts tightly. Place a thermometer [D] for measuring the temperature near the plug.



2.

Full fill the cup with the melt metal. Pour the metal directly inside the cup and do not touch or move the cup to avoid leaking of the metal. Do not over-fill the cup so the metal will flow over the measuring scale.



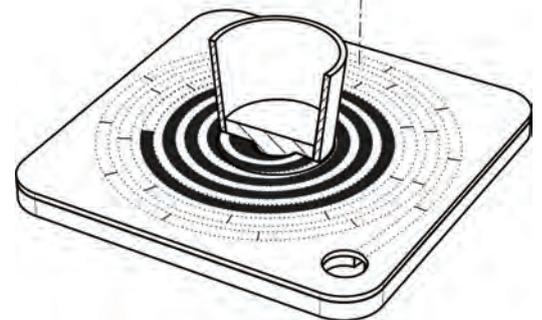
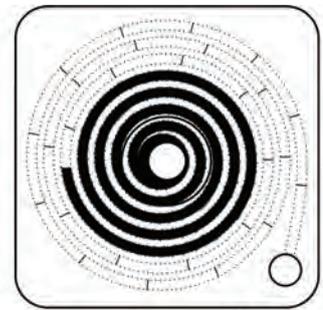


3. When the thermometer shows the intended temperature, pull the plug straight up. The metal will flow down inside the spiral and become solid in a few seconds. Take out the thermometer before the metal in the cup is solidifying.

4.

The length which the metal runs before solidification can be read by the printed scale at the upper side of the upper plate.

The metal in the LOOP can be recycled. After it become cool, the metal can be taken out from the bottom plate and the cup and be remelted.



## Tips and Tricks:

Follow exactly the same track to achieve the best result. This includes:

- Place the LOOP on flat, heat protected surface to insure that the temperature of the bottom plate of the LOOP is the same every time you are doing the test.
- Fill the cup every time with a metal at about the same temperature.
- Pull the thermometer at the same place at each individual test.
- Pull the plug at exactly the same temperature in each individual test.
- Pull the plug exactly vertically without spashing of metal.
- Separate the cup from the bottom plate by twisting the cup from the bottom plate before complete solidification of the metal. In this way it become easier to separate the metal from the LOOP.
- For more accurate reading, measure the length of the solid metal spiral after separating it from the bottom plate by using the measuring scale which designed for this purpose.