

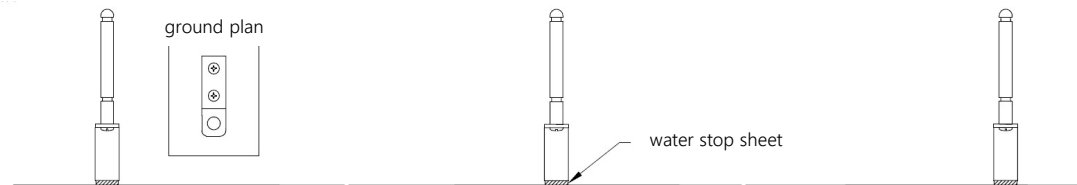
## ULTIMA Anti-bird Wire System 【Work Instruction】

Anti-bird wire rope : UBW roll ( $\phi 1.2$ ) + UBW-Grip  $\times$  rod : UBS-T0

①

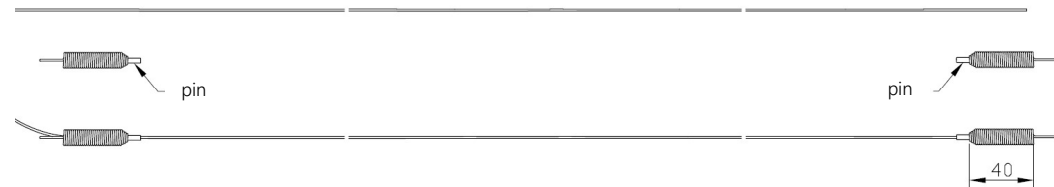
Fix ULTIMA stainless-steel rod with screws (recommended rod pitch is 2m).  
The rods are installed 30 to 40 mm inside from the tip of the structure.

Screws are not included because the substrate material is different (wood, concrete, stone...).



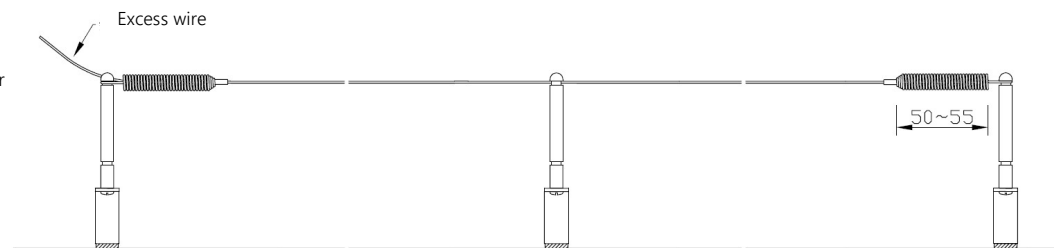
②

Cut the wire at about +100mm between the rods



③

Insert the wire rope through the pin into the gripper.  
(One side leaves excess wire.)



④

Insert the wire rope through the pin into the both gripper and hook the both spring hook with the gripper in each rod.

Pull the excess wire rope without pressing the pin (approx. 3kg).

Press and hold the pin and pull out the wire rope.

\* The spring pull guideline is within 1.5 times (about 50~55mm).

⑤

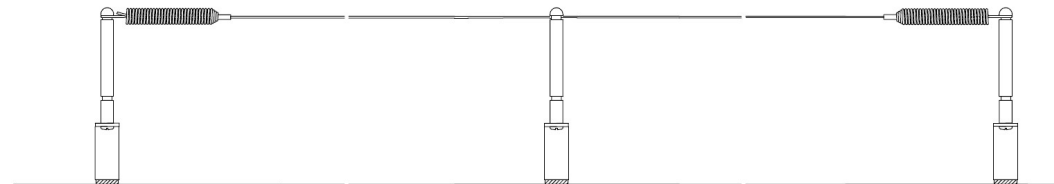
Cut the excess wire rope

Be sure to use a wire cutter when cutting excess wire.

Do not over-tension the wire.

If the wire is too tight, the bird will stop.

Ideally, the wire should sink moderately when touched.



## ULTIMA Anti-bird Wire System 【Work Instruction】

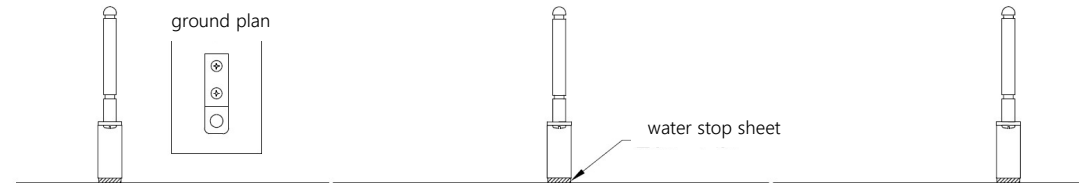
Anti-bird wire rope : UBWM roll (φ0.8) + UBW-Grip × rod : UBS-T0

①

Fix ULTIMA stainless-steel rod with screws (recommended rod pitch is 2m).

The rods are installed 30 to 40 mm inside from the tip of the structure.

Screws are not included because the substrate material is different (wood, concrete, stone...).



②

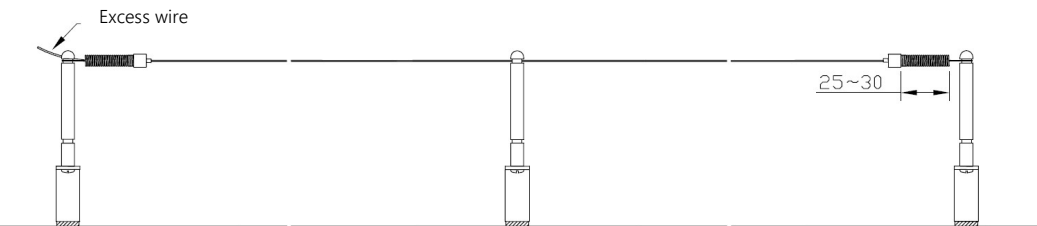
Cut the wire at about +100mm between the rods



③

Insert the wire rope through the pin into the gripper.

(One side leaves excess wire.)



④

Insert the wire rope through the pin into the both gripper and hook the both spring hook with the gripper in each rod.

Pull the excess wire rope without pressing the pin (approx. 0.5kg).

Press and hold the pin and pull out the wire rope.

\* The spring pull guideline is within 1.5 times (about 30mm).

⑤

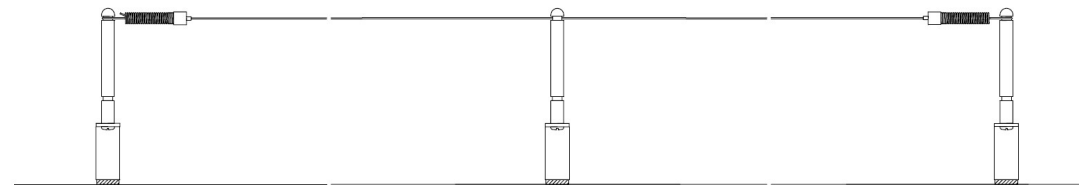
Cut the excess wire rope

Be sure to use a wire cutter when cutting excess wire.

Do not over-tension the wire.

If the wire is too tight, the bird will stop.

Ideally, the wire should sink moderately when touched.



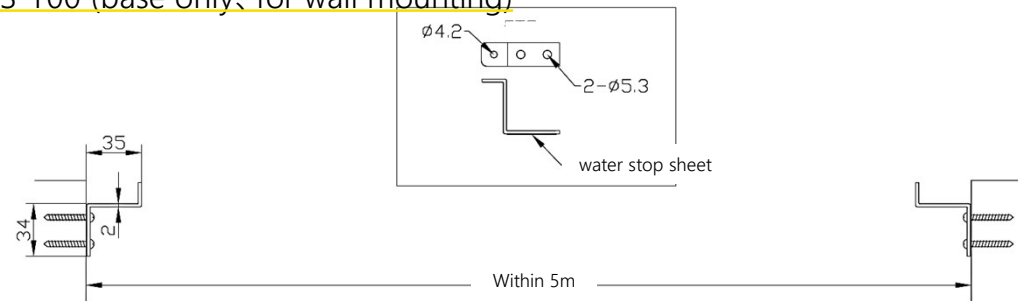
## ULTIMA Anti-bird Wire System 【Work Instruction】

Anti-bird wire rope : UBW roll (φ1.2) + UBW-Grip × rod : UBS-T00 (base only, for wall mounting)

①

Fix base with screws.

Screws are not included because the substrate material is different (wood, concrete, stone...).

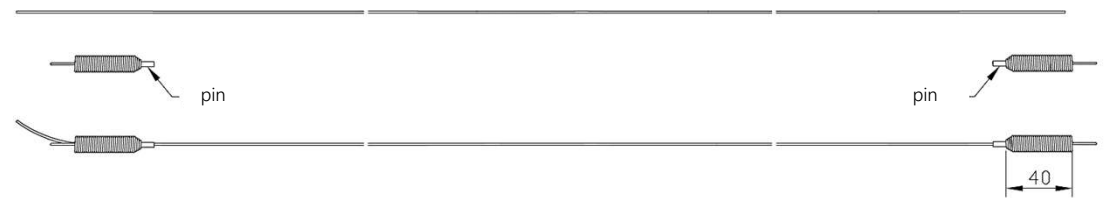


②

Cut the wire at about +100mm between the rods

③

Insert the wire rope through the pin into the gripper.  
(One side leaves excess wire.)



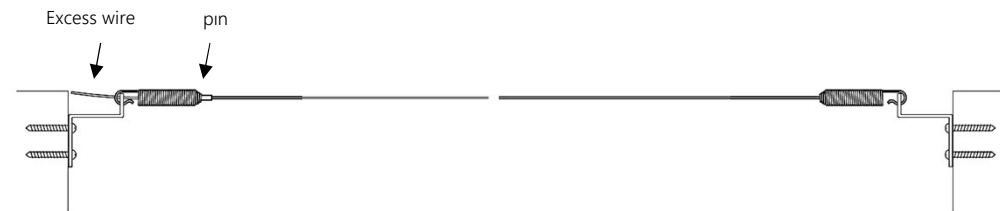
④

Insert the wire rope through the pin into the gripper and hook the spring hook with the gripper in the other rods.

Pull the excess wire rope without pressing the pin (approx. 3kg).

Press and hold the pin and pull out the wire rope.

※ The spring pull guideline is within 1.5 times (about 50~55mm).



⑤

Cut the excess wire rope

Be sure to use a wire cutter when cutting excess wire.

Do not over-tension the wire.

If the wire is too tight, the bird will stop.

Ideally, the wire should sink moderately when touched.



## ULTIMA Anti-bird Wire System 【Work Instruction】

Anti-bird wire rope : UBW roll (φ1.2) + UBW-Grip × rod : UBS-FN (clamp)

①

Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).  
Loosening bolt included.

②

Cut the wire at about +100mm between the rods

③

Insert the wire rope through the pin into the gripper.  
(One side leaves excess wire.)

④

Insert the wire rope through the pin into the both gripper and hook the both spring hook with the gripper in each rod.

Pull the excess wire rope without pressing the pin (approx. 3kg).

Press and hold the pin and pull out the wire rope.

\* The spring pull guideline is within 1.5 times (about 50~55mm).

⑤

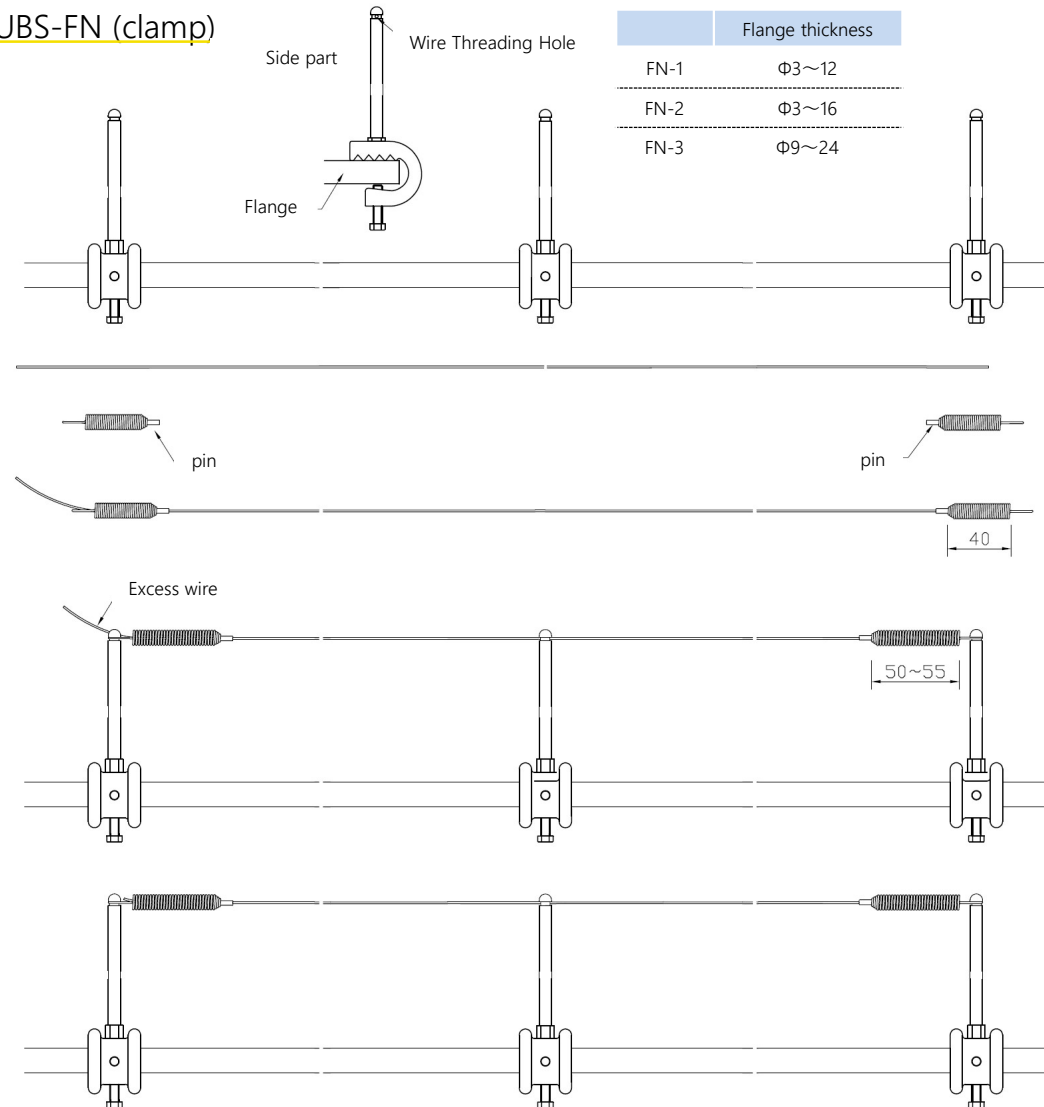
Cut the excess wire rope

**Be sure to use a wire cutter when cutting excess wire.**

**Do not over-tension the wire.**

**If the wire is too tight, the bird will stop.**

**Ideally, the wire should sink moderately when touched.**

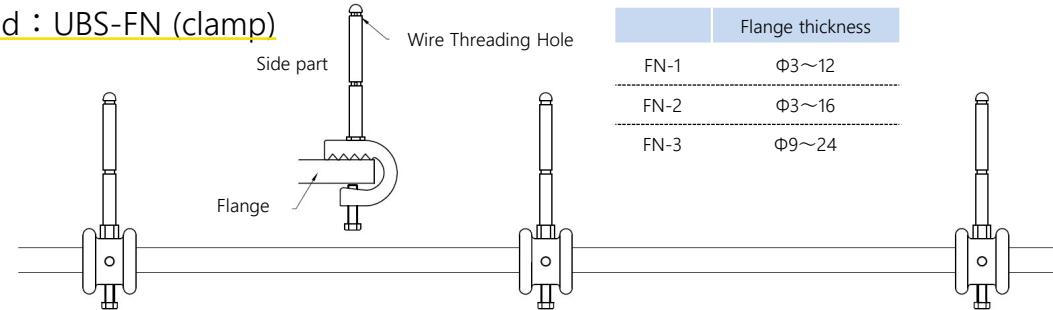


## ULTIMA Anti-bird Wire System 【Work Instruction】

Anti-bird wire rope : UBWM roll ( $\phi 0.8$ ) + UBWM-Grip × rod : UBS-FN (clamp)

①

Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).  
Loosening bolt included.



②

Cut the wire at about +100mm between the rods



③

Insert the wire rope through the pin into the gripper.  
(One side leaves excess wire.)



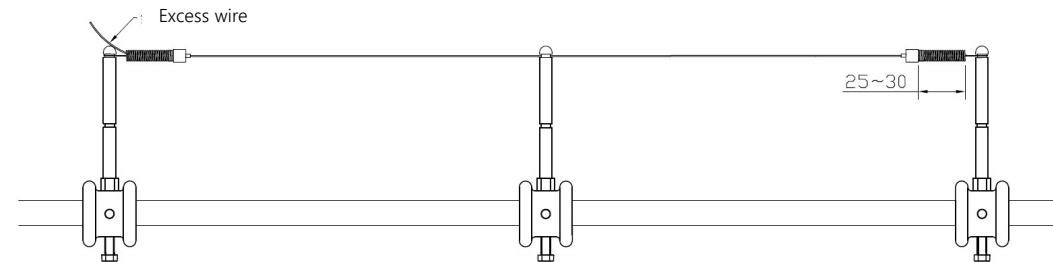
④

Insert the wire rope through the pin into the both gripper and hook the both spring hook with the gripper in each rod.

Pull the excess wire rope without pressing the pin (approx. 0.5g).

Press and hold the pin and pull out the wire rope.

\* The spring pull guideline is within 1.5 times (about 30mm).



⑤

Cut the excess wire rope

**Be sure to use a wire cutter when cutting excess wire.**

**Do not over-tension the wire.**

**If the wire is too tight, the bird will stop.**

**Ideally, the wire should sink moderately when touched.**

