

ULTIMA anti-bird wire systems





Products Features

- Easy wire rope installation
 - ✓ Hook the spring hook in the rod, insert the wire rope through the pin into the gripper, and hook the spring hook with the gripper in the other rod.
 - ✓ Press and hold the pin and pull out the wire rope.
- Rod are common at the ends and in the middle sections.
- Coated wire rope prevents dirt and dust.
- Rod can be used in two stages.
- Simple design.
- Easy installation by simply tightening screws for ULTIMA stainless-steel clamp rod and ULTIMA stainless-steel pipe rod.

The gripper is a rust-resistant material but may rust in some locations and environments. However, rust does not affect wire locks.

Anti-bird wire Roll + Spring grip



ULTIMA anti-bird wire roll



SUS spring with grip (wire length adjuster)

Anti-bird wire roll + spring grip features

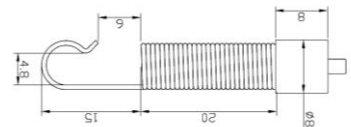
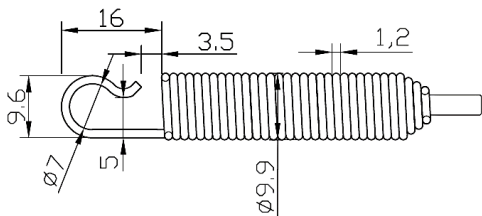
- ❑ Installed in the right combination for the site, so there is little possibility of material shortages.
- ❑ No variation in wire rope tension no matter who installs the wire rope
- ❑ Easiest wire rope installation in the world

* The wire roll and spring grip are sold as a set, and the spring grip is not sold separately.








We cannot be held responsible for any problems that may occur if the spring grips are used for purposes other than our wire or anti-bird wire.

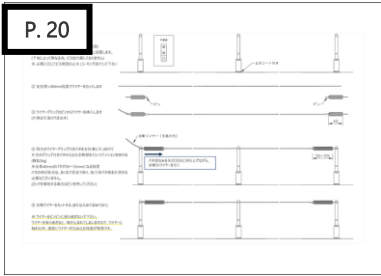
* Sold as a set minimum of 50 springs with grips for 100m rolls, and sold as a set minimum of 150 springs with grips for 300m rolls

Product Drawing



Line Up (anti-bird wire roll and spring grip)

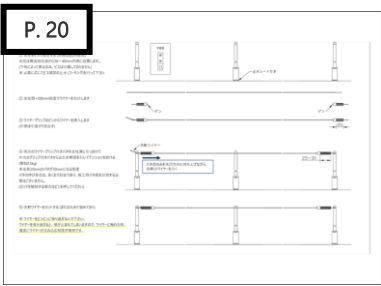
Situation	Installation point		Wire $\varphi 1.2$	Wire $\varphi 0.8$
			  UBW roll + UBW-Grip	  UBWM roll + UBWM-Grip
If you have approximate quantities of the required components	Screw-mounted rod	 UBS-T0 series	A	B
	Screw-mounted rod (Aperture)	 UBS-T00	C	-
	Flange rod	 UBS-FN series	D	E



A

rod UBS-T0

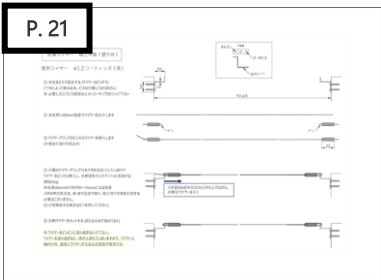
Φ1.2 UBW roll + UBW-Grip



B

rod UBS-T0, T0-B, T0 DD

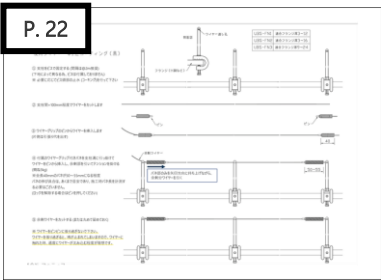
Φ0.8 UBWM roll + UBWM-Grip



C

rod UBS-T00

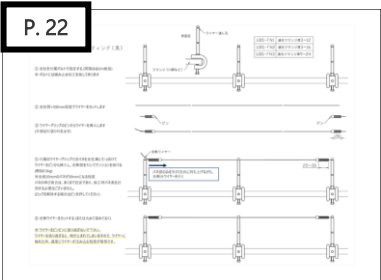
Φ1.2 UBW roll + UBW-Grip



D

rod UBS-FN

Φ1.2 UBW roll + UBW-Grip



E

rod UBS-FN

Φ0.8 UBWM roll + UBWM-Grip

Product Specifications (anti-bird wire roll and spring grip)

ULTIMA Anti-Bird Wire Roll ϕ 1.2 + Spring grip

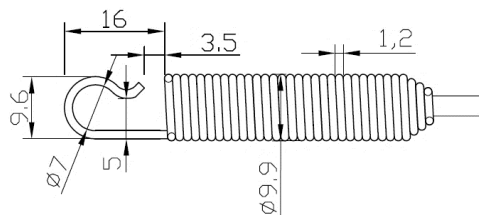


UBW roll (wire ϕ 1.2mm)



	UBW-100	UBW-300	UBW-Grip
Wire length	100m roll	300m roll	-
Material	SUS 304 (7x7)		Spring : SUS 304、 Grip : brass、 Wire : SUS 304 (7x7)
Finishing	-		Grip : Nickel plating
Wire	Coated stainless wire ϕ 1.2		-
Included	-		<u>Sold as a set minimum of 50 springs with grips for 100m rolls, and sold as a set minimum of 150 springs with grips for 300m rolls</u>

- * UBW roll is ϕ 1.2mm, UBW-Grip is ϕ 1.2mm
- * Sold as a set minimum of 50 springs with grips for 100m rolls, and sold as a set minimum of 150 springs with grips for 300m rolls
- * Wire tension is generally kept level visually.
- * Do not over-tension both end springs.
- * Shape and specifications are subject to change without notice.



ULTIMA Anti-Bird Wire Roll ϕ 0.8 + Spring grip



UBWM roll (wire ϕ 0.8mm)



	UBWM-100	UBWM-300	UBWM-Grip
Wire length	100m roll	300m roll	-
Material	SUS 304 (7×7)		Spring : SUS 304、 Grip : brass、 Wire : SUS 304 (7×7)
Finishing	-		Grip : Nickel plating
Wire	Stainless wire ϕ 1.2		-
Included	-		<u>Sold as a set minimum of 50 springs with grips for 100m rolls, and sold as a set minimum of 150 springs with grips for 300m rolls</u>

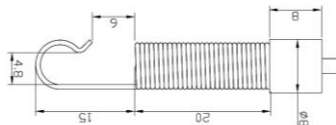
* UBWM roll is ϕ 0.8mm, UBWM-Grip is ϕ 0.8mm.

* Sold as a set minimum of 50 springs with grips for 100m rolls, and sold as a set minimum of 150 springs with grips for 300m rolls

* Wire tension is generally kept level visually.

* Do not over-tension both end springs.

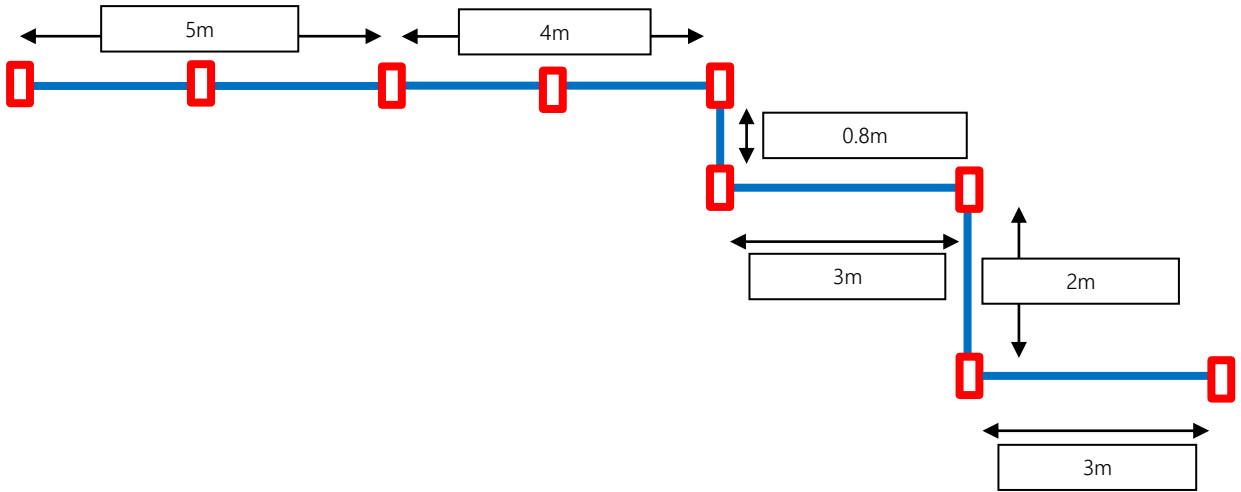
* Shape and specifications are subject to change without notice.



Example

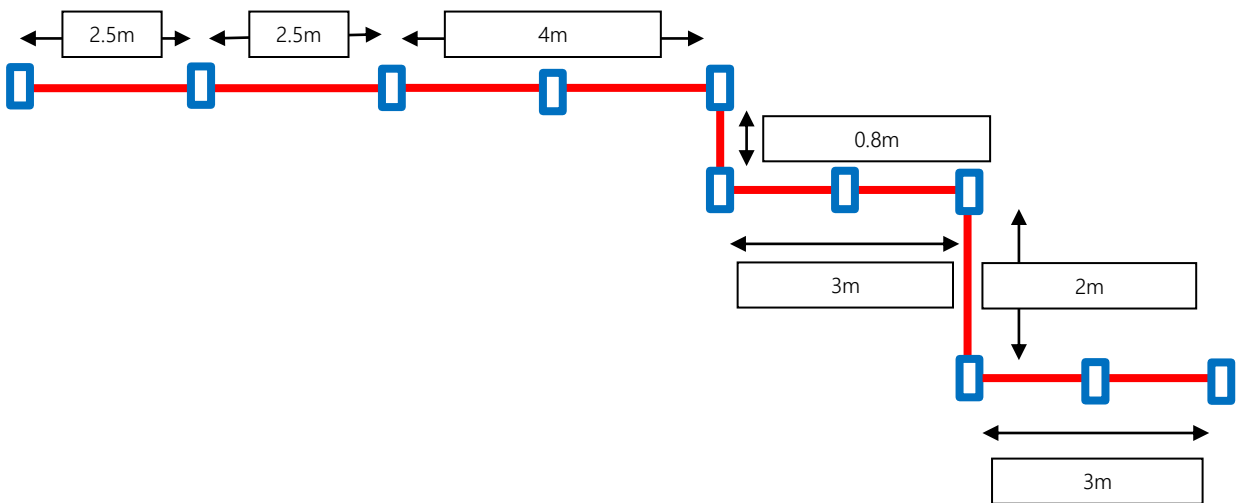
□ Anti-bird wire : 1 tier, 1 row

□ stainless-steel rod (clamp)



ULTIMA anti-bird wire (φ1.2)	
Anti-bird wire : UBW-100 (within 17.8m used) UBW-Grip (φ1.2)×12pieces	Stainless-steel rod (clamp) : UBS-T0 (FN)×9

□ stainless-steel rod (clamp)



ULTIMA anti-bird wire (φ0.8)	
Anti-bird wire : UBWM-100 (within 17.8m used) UBWM-Grip (φ0.8)×14pieces	Stainless-steel rod (clamp) : UBS-T0 (FN, P)×11



Product Specifications (Rod) * photo shows 2-tier wire specification

ULTIMA stainless-steel rod



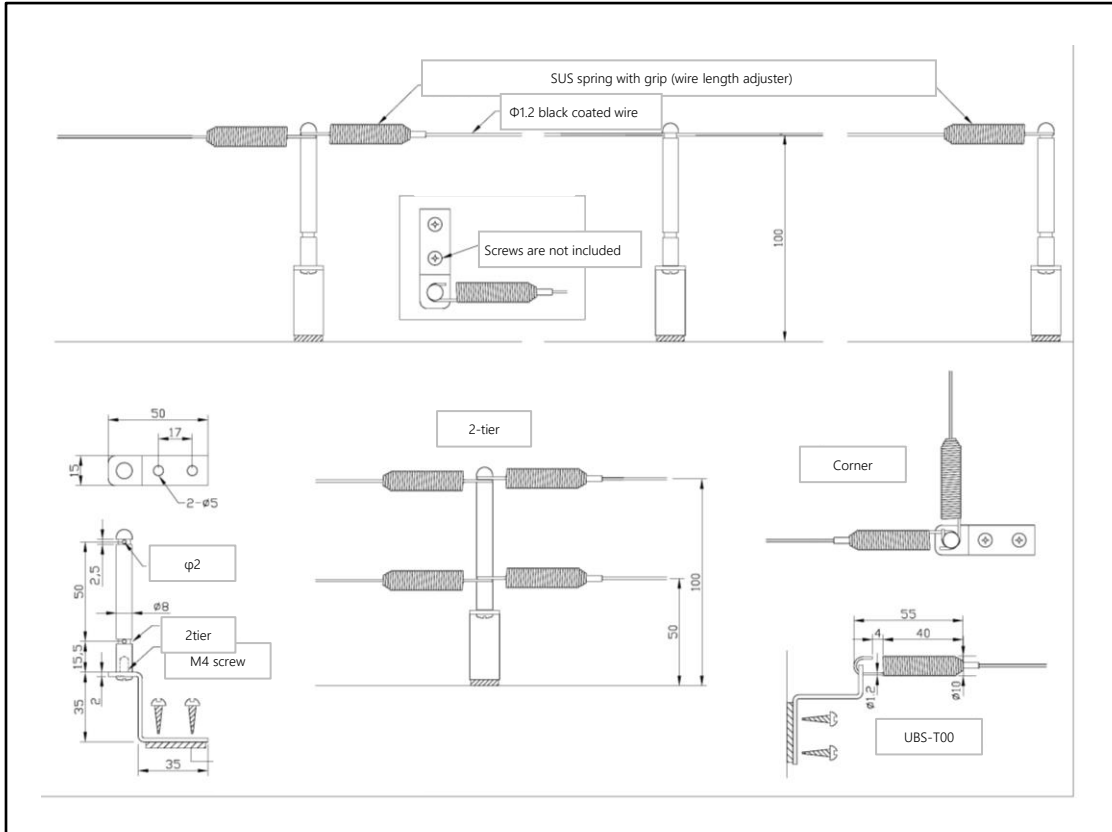
	UBS-T01	UBS-T02
Wire (tier)	single	two
Material	SUS 304	
Note	With sealer for waterproofing Common end and middle	

- * Screws are not included because the substrate material is different.
- * Recommended rod pitch is 2m.
- * If waterproofing is required, waterproof the screws after mounting the base.

ULTIMA stainless-steel rod must be installed 30 to 40 mm inside from the tip of the structure.

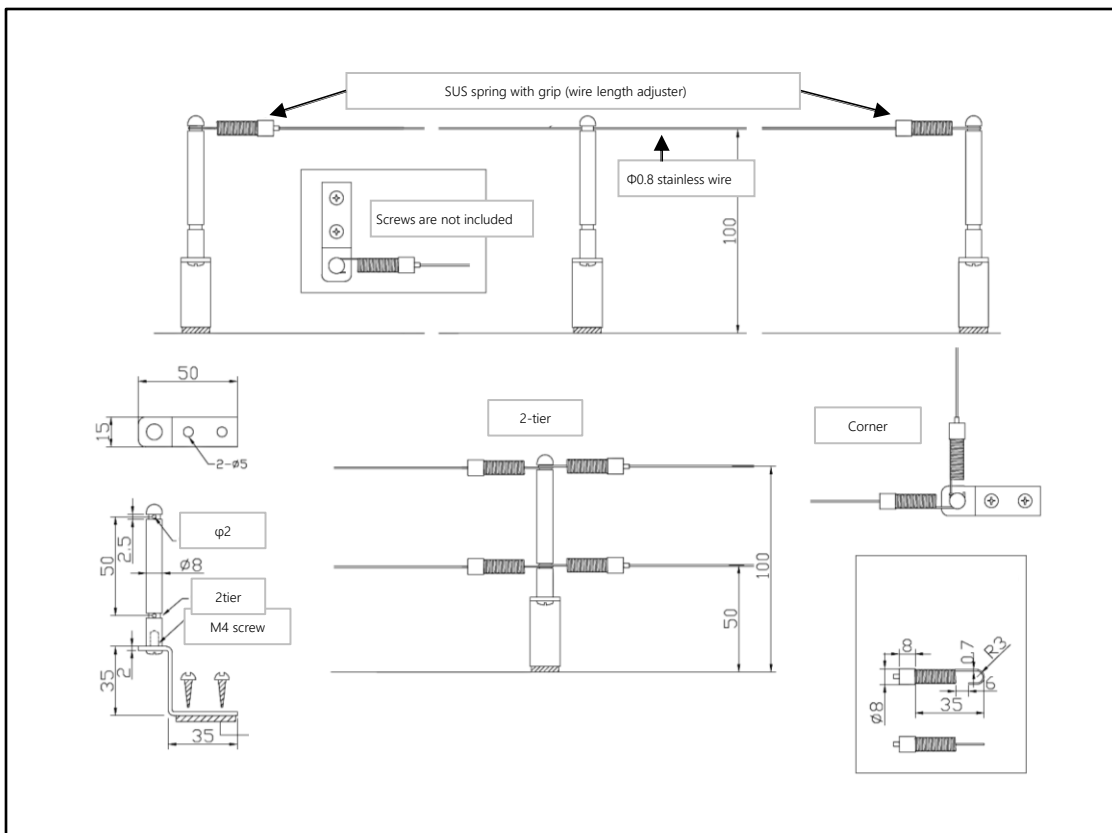
Detail : UBW Roll + UBW-Grip

* drawing shows 2-tier wire specification



Detail : UBWM Roll + UBWM-Grip

* drawing shows 2-tier wire specification



Product Specifications (Rod)

ULTIMA stainless-steel rod



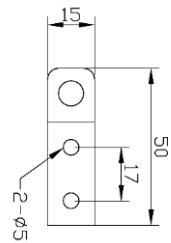
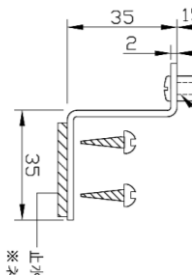
UBS-T00 (base only, for wall mounting)

Wire (tier)	single
Material	SUS 304
Note	With sealer for waterproofing Common end and middle

- * Screws are not included because the substrate material is different.
- * If waterproofing is required, waterproof the screws after mounting the base.

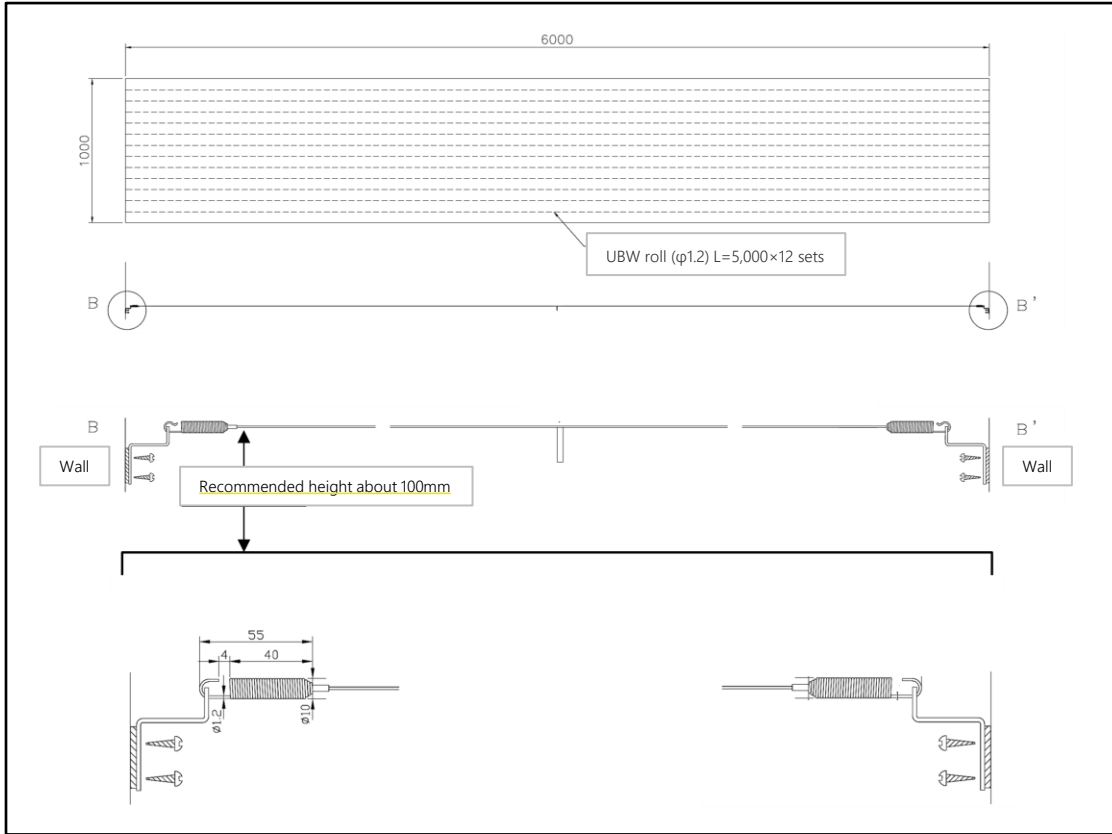
It is recommended to install ULTIMA stainless-steel rod UBS-T00 (base only, for wall mounting) at a height of about 100 mm from the top of the structure.

Product Drawing



35

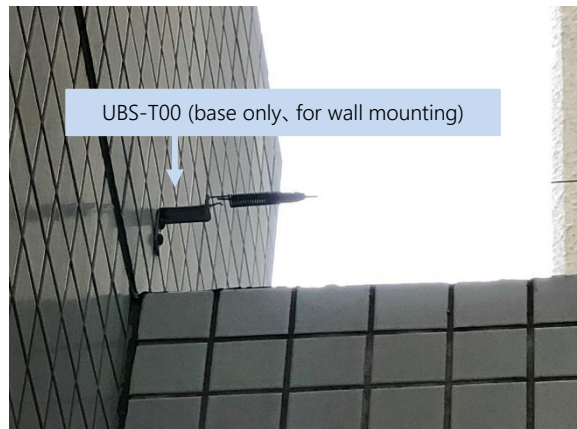
Detail : UBW-Roll + UBW-Grip



Rod cannot be attached to the structure, but it can be installed when it is possible to attach it to the wall.

As an example of installation, install the UBS-T00 (base only, for wall mounting) and attach the anti-bird wire set to the hole in the base.

The anti-bird wire set to be used is UBW roll with wire diameter $\phi 1.2$.



Product Specifications (Rod) * photo shows 2-tier wire specification

ULTIMA stainless-steel clamp rod



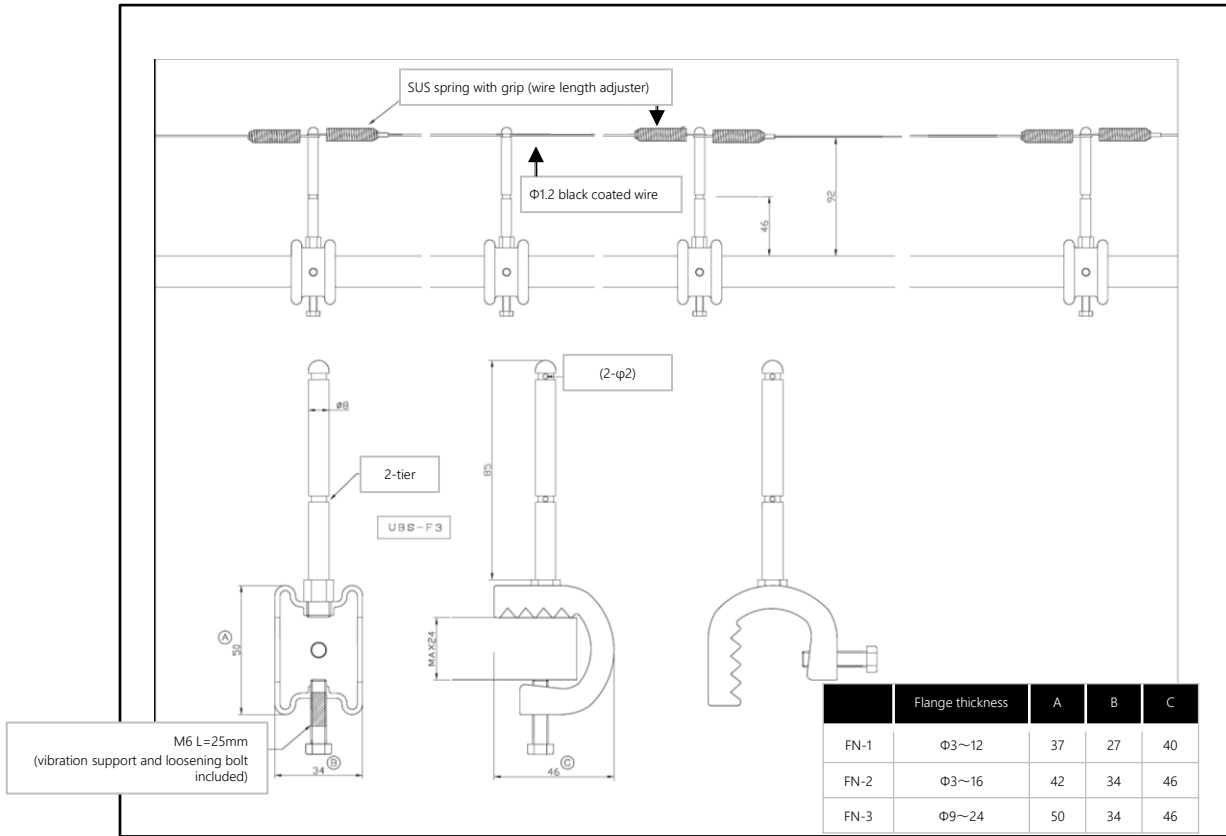
	UBS-FN1-1	UBS-FN1-2	UBS-FN2-1	UBS-FN2-2	UBS-FN3-1	UBS-FN3-2
Wire (tier)	single	two	single	two	single	two
Flange thickness	<u>3mm to 12mm</u>		<u>3mm to 16mm</u>		<u>9mm to 24mm</u>	
Material	SUS304 (rod) 、 Steel (base)					
Finishing	hot-dip galvanizing					
Attached	M6 L=25mm (vibration support and loosening bolt included)					
Note	Common end and middle					

* Loosening bolt are included, but the bolt must be securely fastened.

* Recommended rod pitch is 2m.

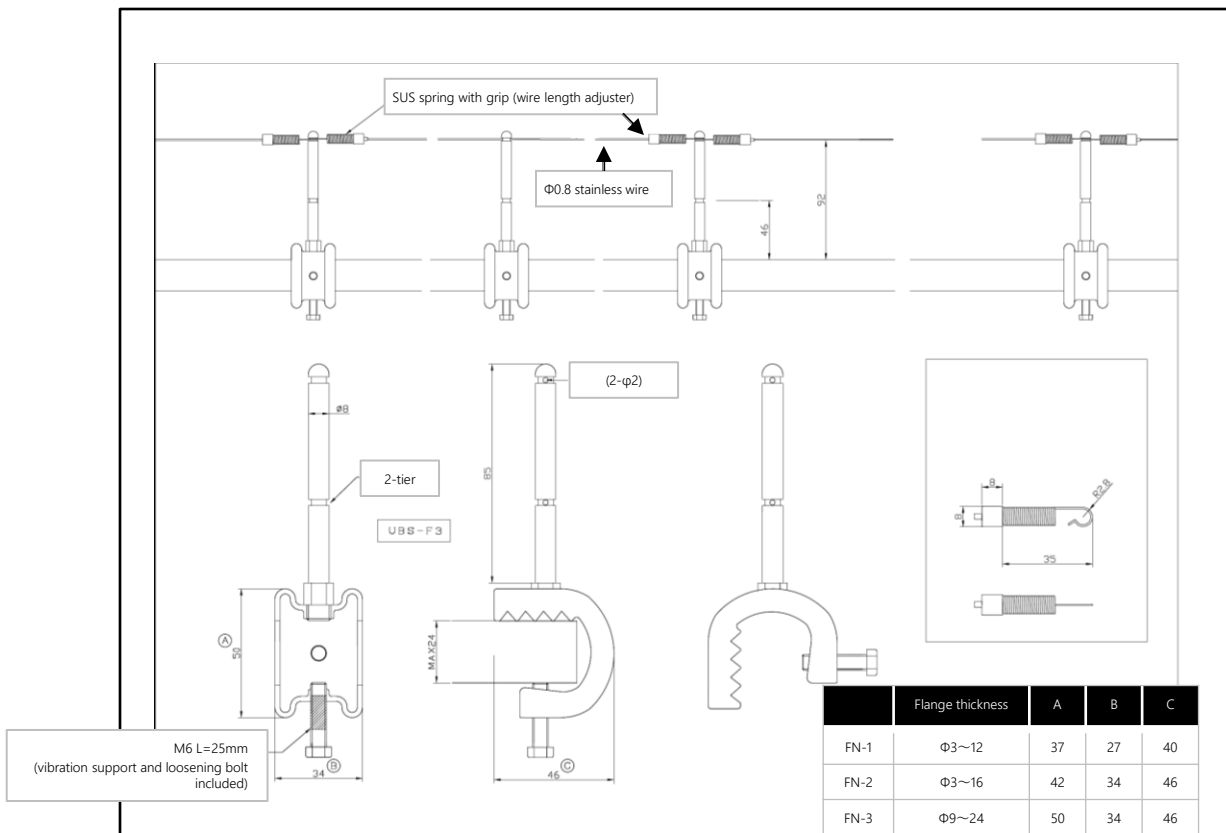
Detail : UBW Roll + UBW-Grip

* drawing shows 2-tier wire specification

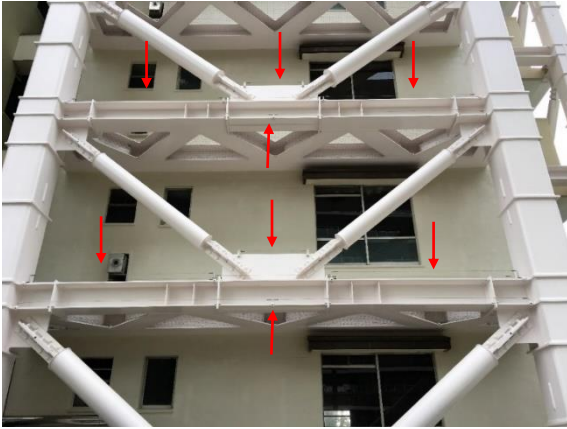


Detail : UBWM Roll + UBWM-Grip

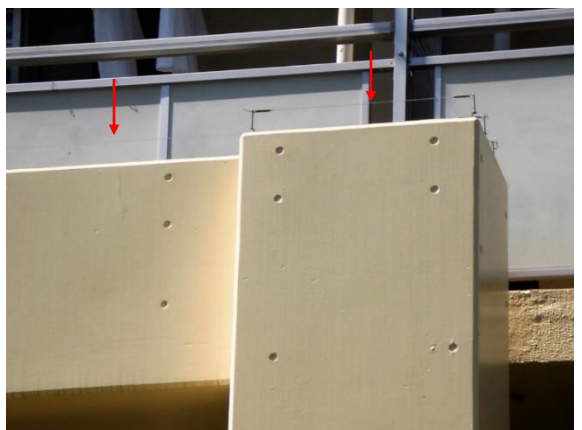
* drawing shows 2-tier wire specification



Case Study



Station (ULTIMA stainless-steel clamp rod)



Housing



Station



Apartment



Shop



Station

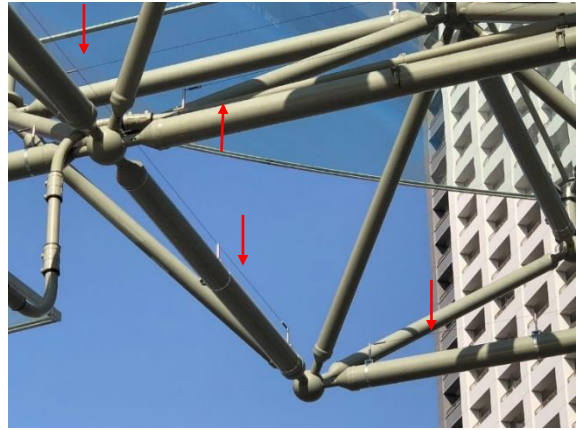
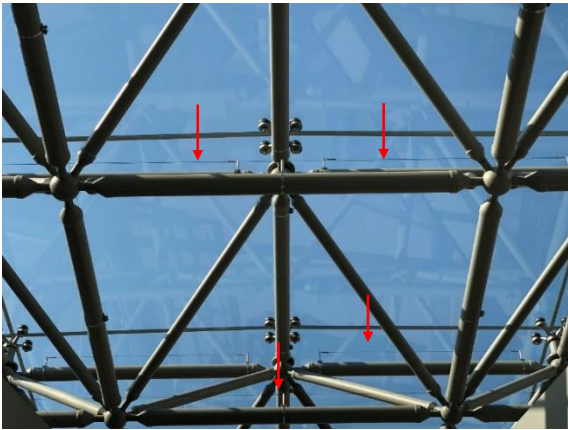


Station (ULTIMA stainless-steel clamp rod)





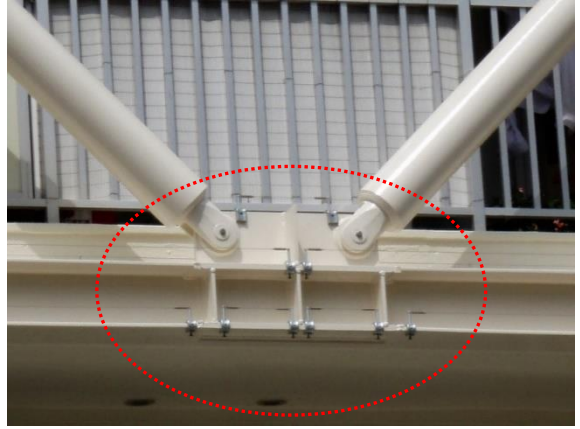
Station



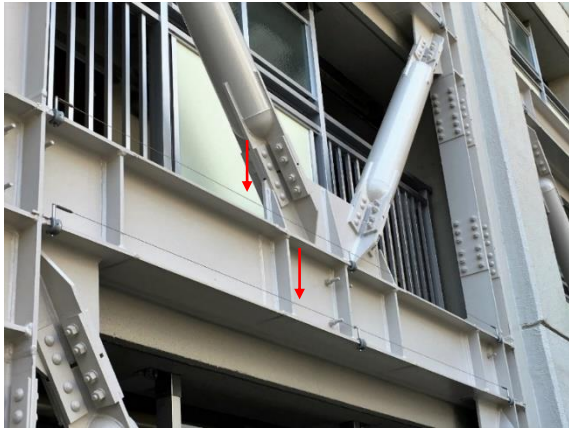
Station



Station



Housing (ULTIMA stainless-steel clamp rod)



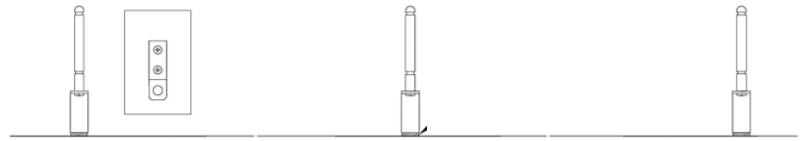
Housing (ULTIMA stainless-steel clamp rod)



Work Instruction

A. Anti-bird wire rope : UBW roll (φ1.2) + 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...).



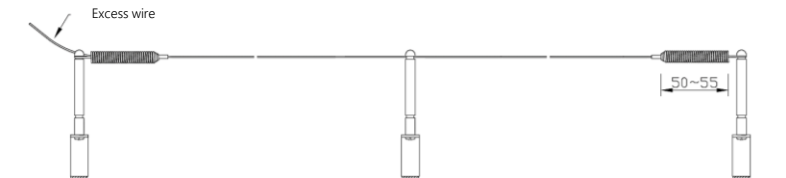
② Cut the wire at about +100mm between the rods



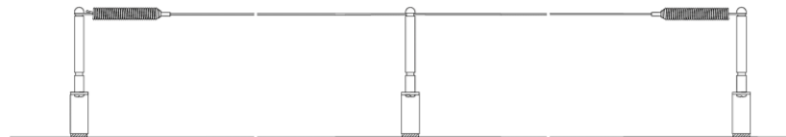
③ Insert the wire rope through the pin into the gripper. (One side leaves excess wire.)



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. 3kg).
Press and hold the pin and pull out the wire rope.
* The spring pull guideline is within 1.5 times (about 50~55mm).

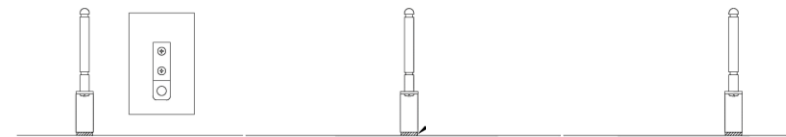


⑤ Cut the excess wire rope
Be sure to use a wire cutter when cutting excess wire.
Do not over-tension the wire.
If the wire is too tight, the bird will stop.
Ideally, the wire should sink moderately when touched.



B. Anti-bird wire rope : UBWM roll (φ0.8) + UBWM-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...).



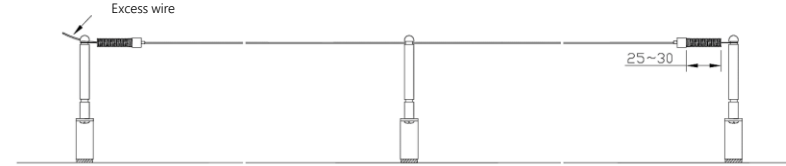
② Cut the wire at about +100mm between the rods



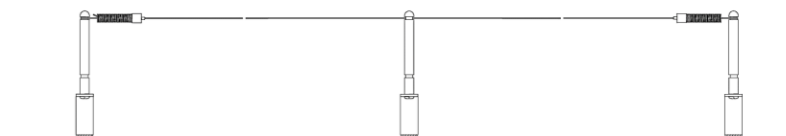
③ Insert the wire rope through the pin into the gripper. (One side leaves excess wire.)



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. 0.5g).
Press and hold the pin and pull out the wire rope.
* The spring pull guideline is within 1.5 times (about 30mm).

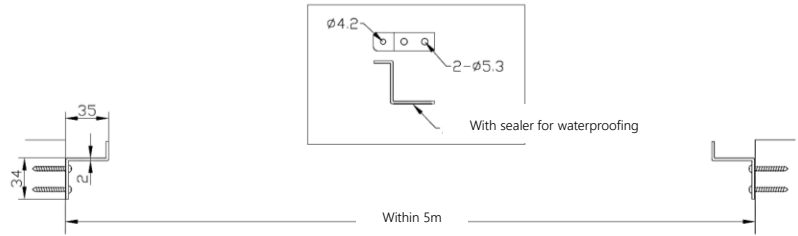


⑤ Cut the excess wire rope
Be sure to use a wire cutter when cutting excess wire.
Do not over-tension the wire.
If the wire is too tight, the bird will stop.
Ideally, the wire should sink moderately when touched.



C. 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.



Work Instruction

D. Anti-bird wire rope : UBW roll ($\varphi 1.2$) + UBW-grip \times rod : UBS-FN (clamp)

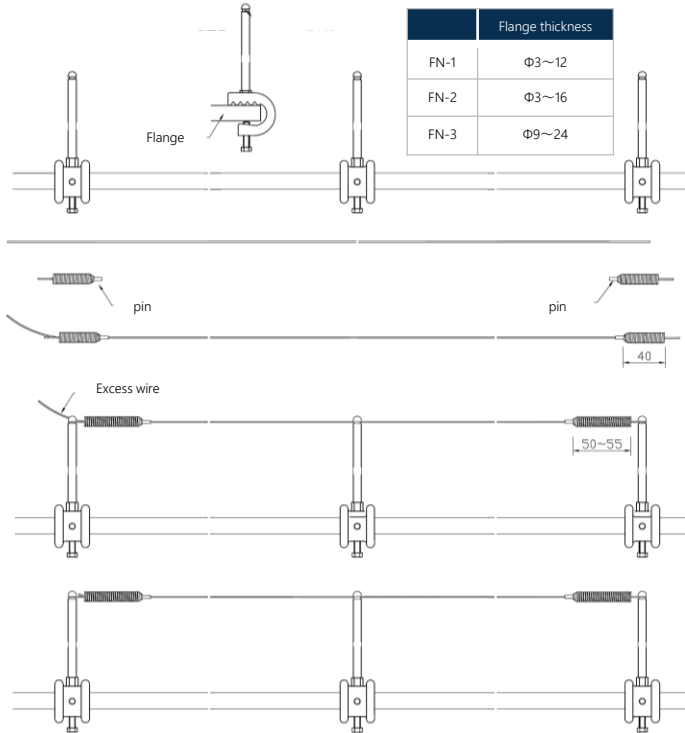
① Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).
Loosening bolt included.

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.



E. Anti-bird wire rope : UBWM roll ($\varphi 0.8$) + UBWM-grip \times rod : UBS-FN (clamp)

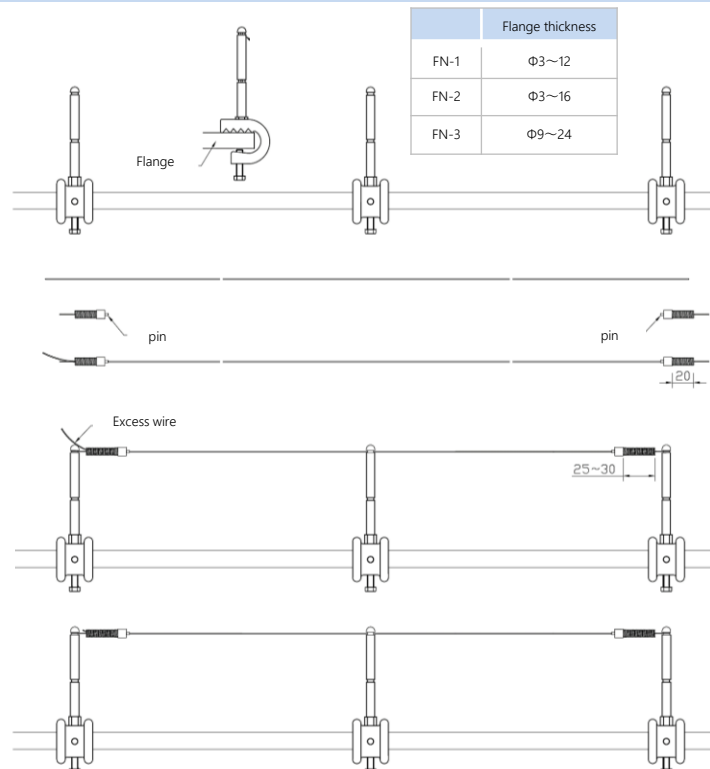
① Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).
Loosening bolt included.

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. 0.5kg).
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.



DIY kits (anti-bird wire set + rod)

ULTIMA anti-bird wire set



UBW series (wire ϕ 1.2mm)

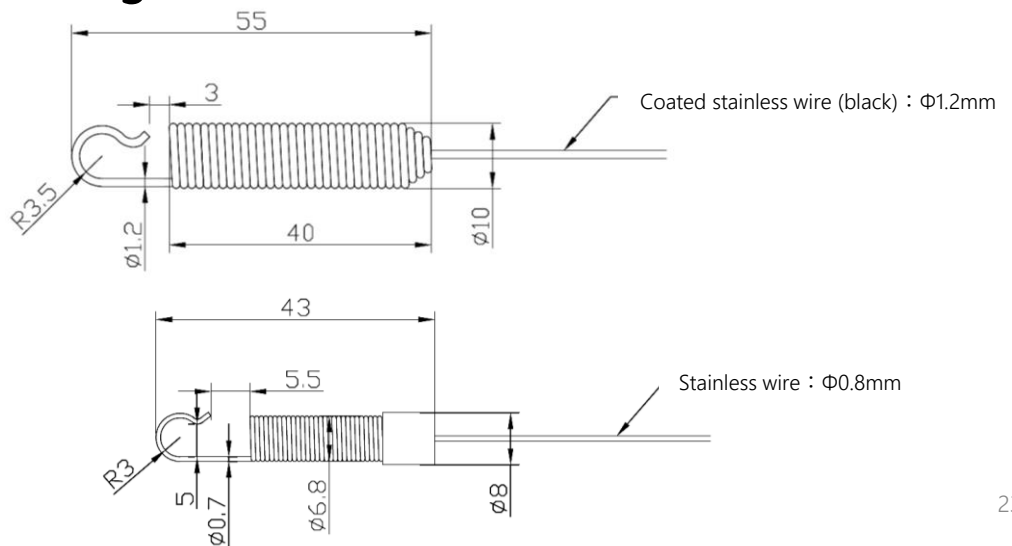


UBWM series (wire ϕ 0.8mm)

	UBW-20 UBWM-20	UBW-40 UBWM-40
Wire length	L=2,000mm	L=4,000mm
Material	Spring : SUS 304、 Grip : brass、 Wire : SUS 304 (7×7)	
Finishing	Grip : Nickel plating	
Wire	UBW : Coated stainless wire Φ 1.2mm、 UBWM : Stainless wire Φ 0.8mm	





- * Springs, grip, and wire set.
- * Wire length can be freely adjusted.
- * Wire tension is generally kept level visually.
- * Do not over-tension both end springs.
- * Shape and specifications are subject to change without notice.
- * Wire are black nylon coated.

Product Drawing



DIY kits (anti-bird wire set + rod)

* rod UBS-T02, rod UBS-FN pitch is 2m

ULTIMA Anti-Bird Wire System : DIK kits		Product																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
Anti-Bird Wire Set	 UBW series (p1.2)	UBW-20 (L=2,000)	2				2	2				2	2	2					
		UBW-40 (L=4,000)		2					2	2	2					2	2	2	2
	 UBWM series (p0.8)	UBWM-20 (L=2,000)			2														
		UBWM-40 (L=4,000)				2													
Rod	 UBS-T02 (Screw-mounted rod)	UBS-T02 (Screw-mounted rod)	2	3	2	3													
		UBS-FN1-2					2		3			2			3				
	 UBS-FN series	UBS-FN2-2								3			2			3			
		UBS-FN3-2						2			3							2	3

DIY kits (work instruction)

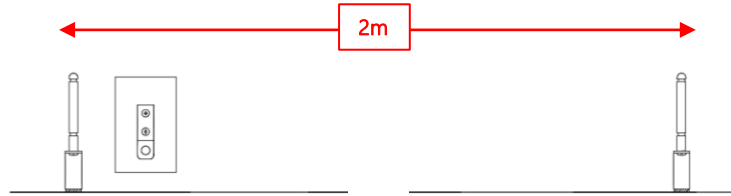
DIY kits ① (UBW-20)

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

Hook the spring in the rob.



③

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).



④

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.



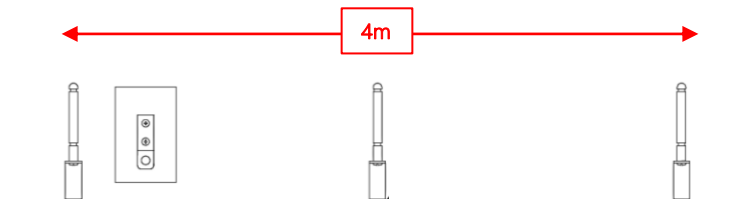
DIY kits ② (UBW-40)

①

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

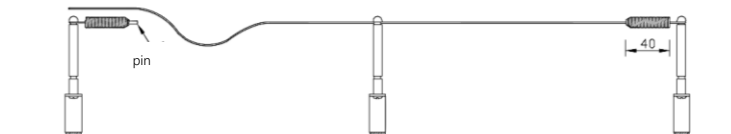
The rods are installed 30 to 40 mm inside from the tip of the structure.

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



②

Hook the spring in the rob and insert the wire rope through the hole in the middle rod.



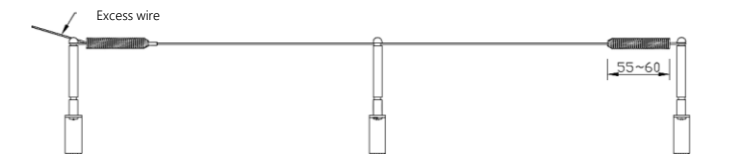
③

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).



④

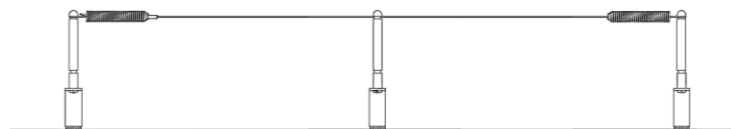
Cut the excess wire rope

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.

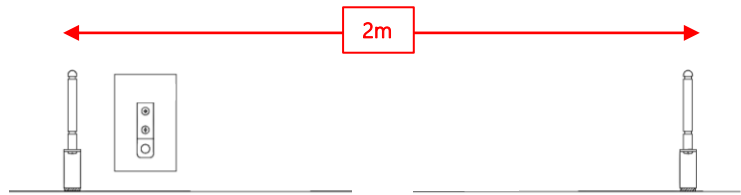
Ideally, the wire should sink moderately when touched.



DIY kits (work instruction)

DIY kits ③ (UBWM-20)

①
Fix ULTIMA[®]
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
Hook the spring in the rod.



③
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. 0.5kg).
Press and hold the pin and pull out the wire rope.
※ The spring pull guideline is within 1.5 times (about 30mm).

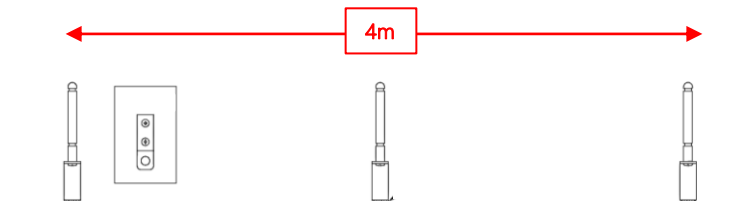


④
Cut the excess wire rope
Be sure to use a wire cutter when cutting excess wire.
Do not over-tension the wire.
If the wire is too tight, the bird will stop.
Ideally, the wire should sink moderately when touched.

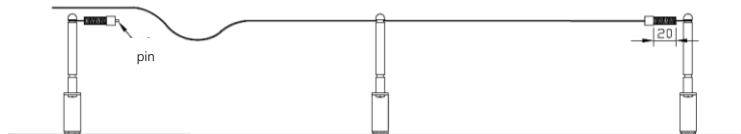


DIY kits ④ (UBWM-40)

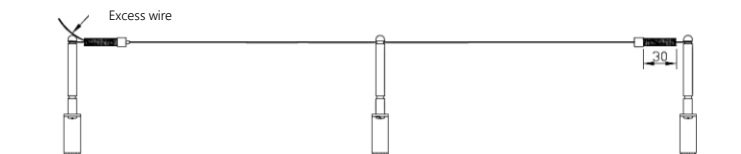
①
Fix ULTIMA stainless-steel rod with screws (recommended rod pitch is 2m).
The rods are installed 30 to 40 mm inside from the tip of the structure.
Screws are not included because the substrate material is different (wood, concrete, stone...).



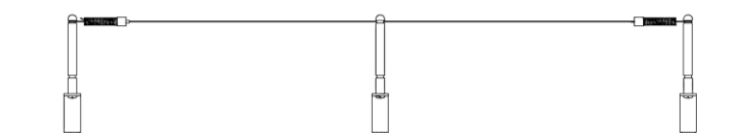
②
Hook the spring in the rod and insert the wire rope through the hole in the middle rod.



③
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. 0.5kg).
Press and hold the pin and pull out the wire rope.
※ The spring pull guideline is within 1.5 times (about 30mm).



④
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.



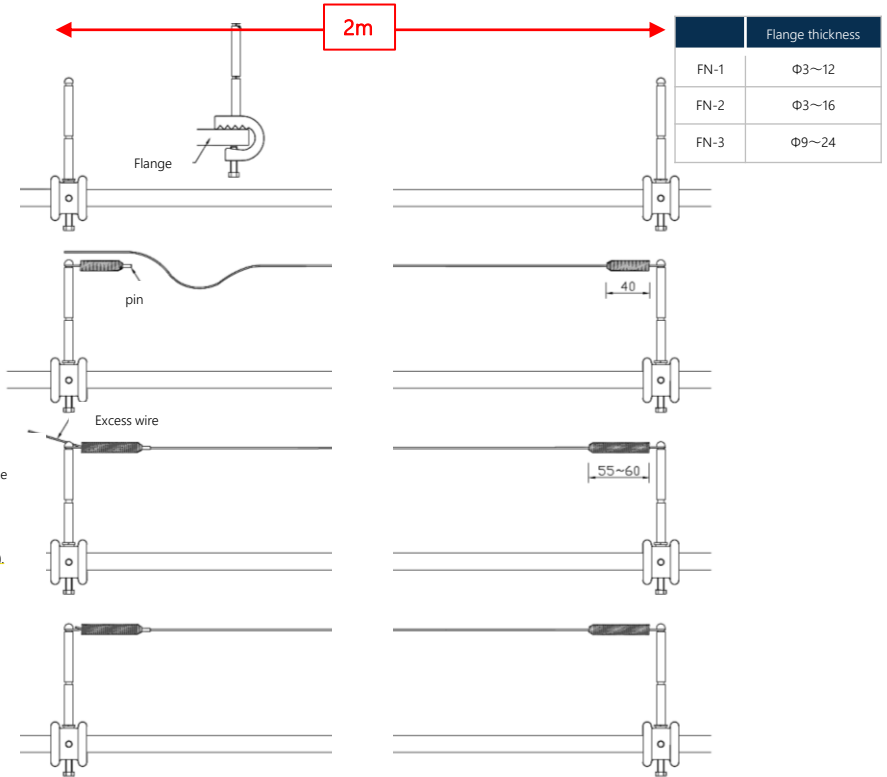
DIY kits ⑤、⑥、⑦ (UBW-20)

① Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).
Loosening bolt included.

② Hook the spring in the rob.

③ Insert the wire rope through the pin into the gripper and hook the spring hook with the gripper in the other rob.
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).

④ 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.



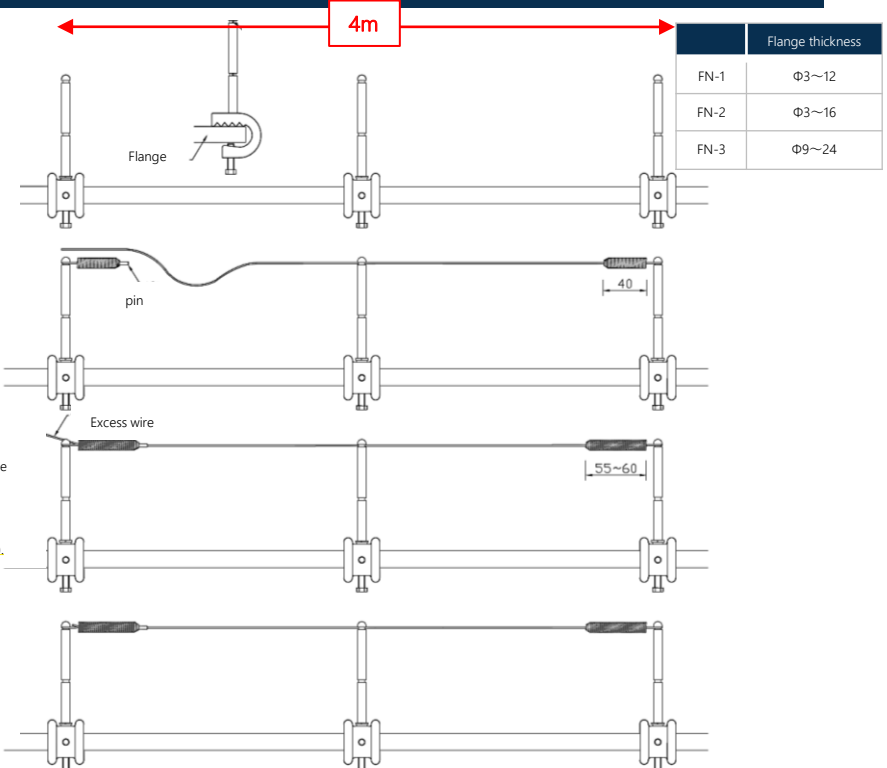
DIY kits ⑧、⑨、⑩ (UBWM-40)

① Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).
Loosening bolt included.

② Hook the spring in the rob and insert the wire rope through the hole in the middle rod

③ Insert the wire rope through the pin into the gripper and hook the spring hook with the gripper in the other rob.
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).

④ 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.

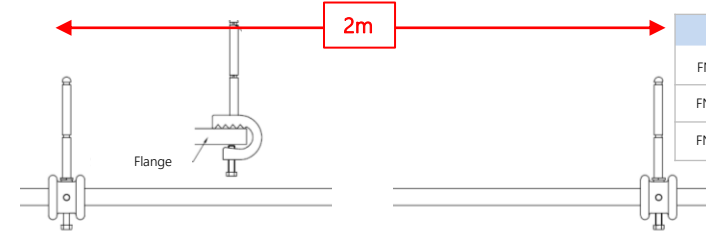


DIY kits (work instruction)

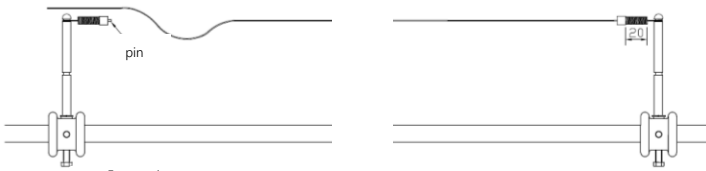
DIY kits ⑪、⑫、⑬ (UBWM-20)

	Flange thickness
FN-1	Φ3~12
FN-2	Φ3~16
FN-3	Φ9~24

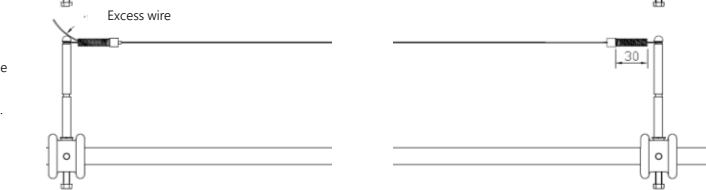
① Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).
Loosening bolt included.



② Hook the spring in the rob.



③ 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. 0.5kg). Press and hold the pin and pull out the wire rope.
※ The spring pull guideline is within 1.5 times (about 30mm).



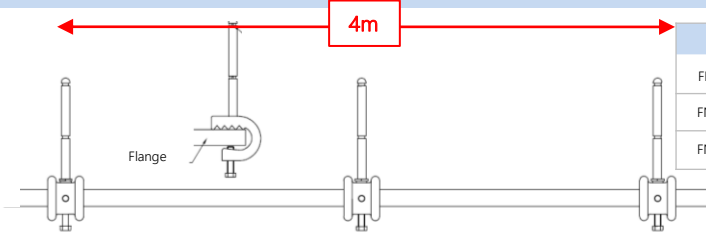
④ Cut the excess wire rope
Be sure to use a wire cutter when cutting excess wire.
Do not over-tension the wire.
If the wire is too tight, the bird will stop.
Ideally, the wire should sink moderately when touched.



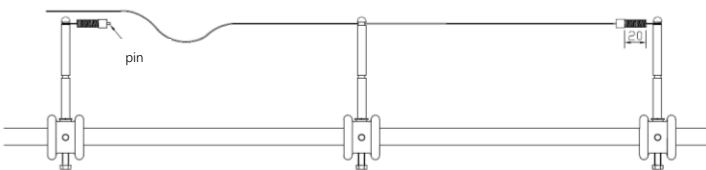
DIY kits ⑭、⑮、⑯ (UBWM-40)

	Flange thickness
FN-1	Φ3~12
FN-2	Φ3~16
FN-3	Φ9~24

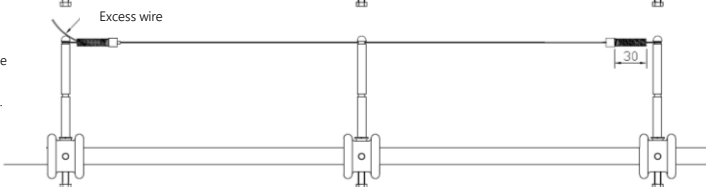
① Fix ULTIMA stainless-steel clamp rod with attached bolt (recommended rod pitch is 2m).
Loosening bolt included.



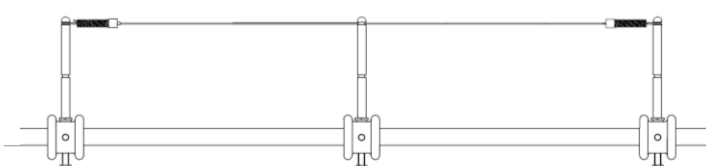
② Hook the spring in the rob and insert the wire rope through the hole in the middle rod



③ 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. 0.5kg). Press and hold the pin and pull out the wire rope.
※ The spring pull guideline is within 1.5 times (about 30mm).



④ 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.





ULG ULTIMA Co.,Ltd.
Ultima Line Grip