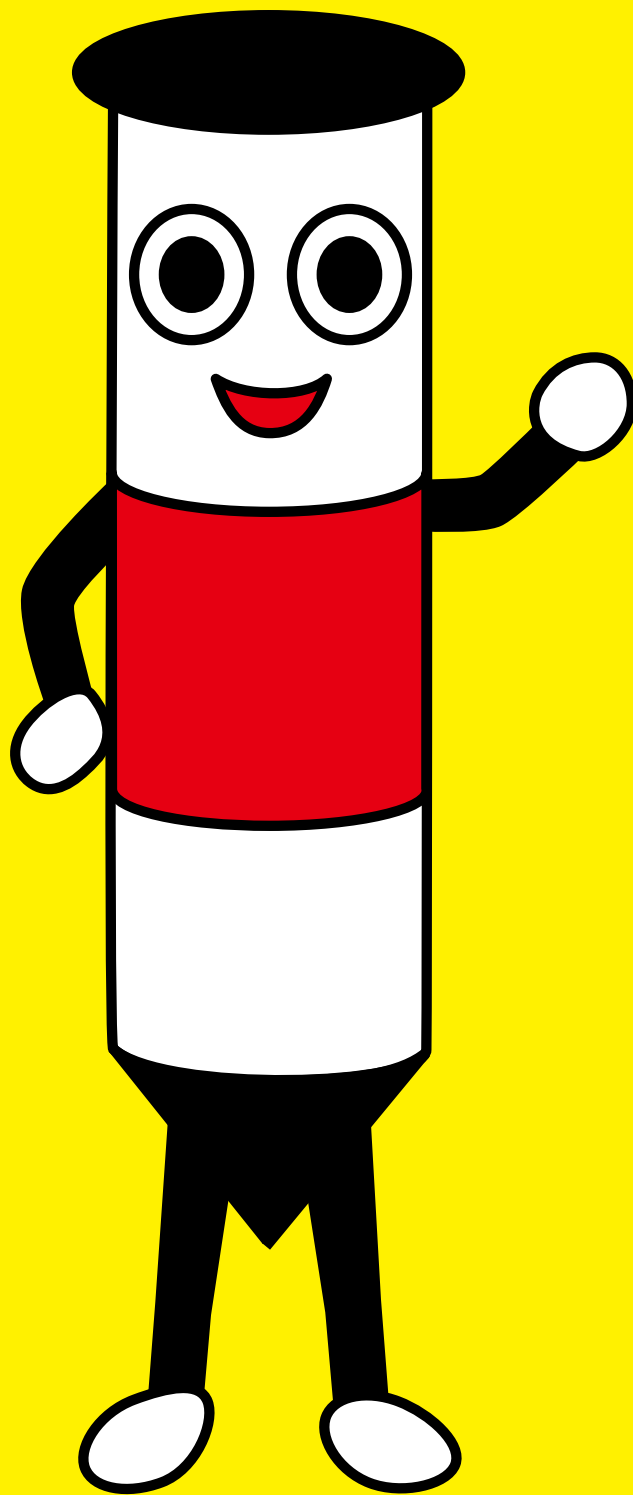


GLASS FIBER PRODUCTS



SENSHIN INDUSTRY CO., LTD.

4-2-11, IMAZUKITA, TSURUMI-KU, OSAKA, JAPAN 538-0041

TEL : +81-6-6969-2321

E-mail : sk@sk-senshin.co.jp

FAX : +81-6-6968-1017

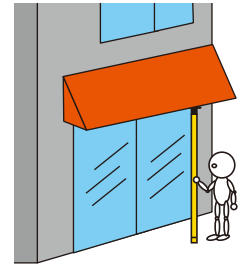
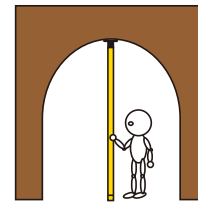
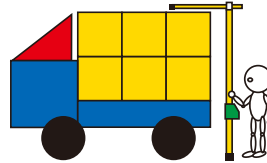
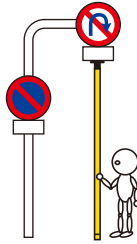
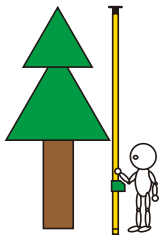
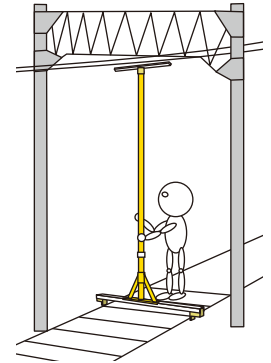
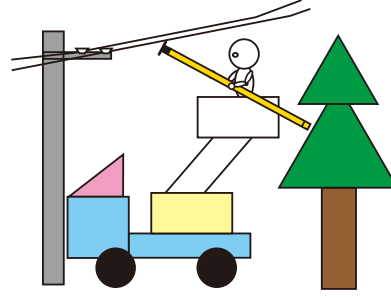
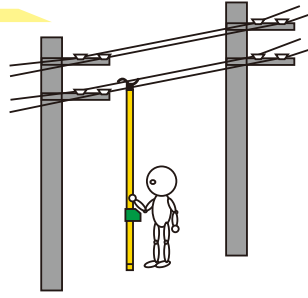
HP : <http://www.sk-senshin.co.jp>

Non-Conductive Products

Measuring poles

EXAMPLES OF USAGE:

- Measuring height of
- hot lines.
 - loaded cargo.
 - bridges.
 - tunnels.
 - tents and billboards.

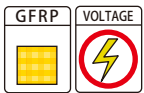


Voltage Tested for 30cm at 75kv
for 5minutes.



Made of light, strong, durable fibreglass.

Measuring pole for overhead railway wires



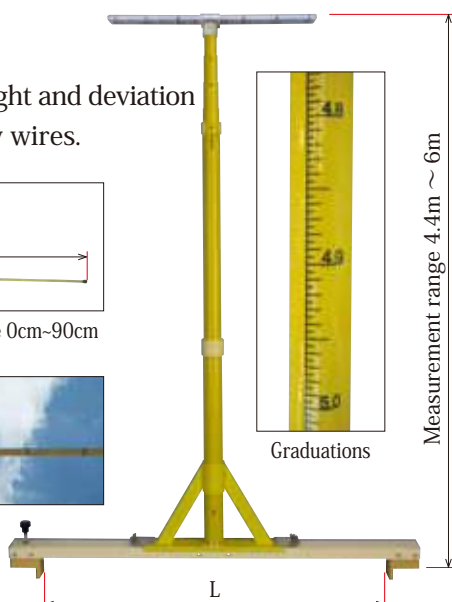
FEATURES:

- Able to measure height and deviation of overhead railway wires.

Stored Length: 69cm

1.8m

Each side measurement range 0cm~90cm



Graduations

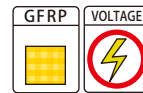
Measurement range 4.4m ~ 6m

L

SPECIFICATIONS:

Model	MPO-1067	MPO-1435
L	1067mm	1435mm
Graduations	metres	metres
Sections	5	5
Stored Length	1.72m	1.72m
Weight	6.6kg	7.1kg

Measuring pole for vehicles



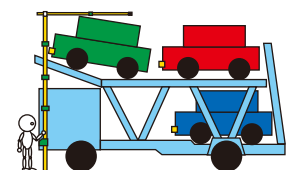
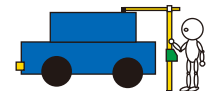
FEATURES:

- Graduations: 1mm
- Equipped with a 1.3m pole.

OPTIONAL:

Spirit level
(bubble)

EXAMPLES OF USAGE:



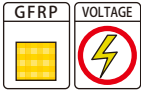
206-4

SPECIFICATIONS:

Model	206-5	206-8	206-26-G3	206-26-G4
Length	5m	8m	26ft	26ft
Graduations	metres	metres	10ths	Inches
Sections	5	7	7	7
Stored Length	1.28m	1.34m	4 $\frac{2}{5}$ ft	4 $\frac{2}{5}$ ft
Weight	1.7kg	2.6kg	5.73lb	5.73lb

Non-Conductive Products

Measuring poles



FEATURES:

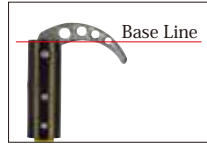
- Graduations: 1mm
- The numbers are clear and easy to read.



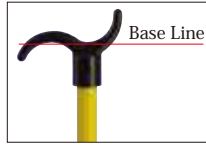
6m • 8m



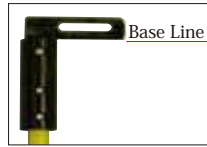
12m



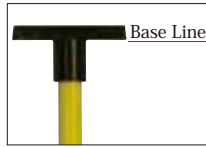
213-6 • 8



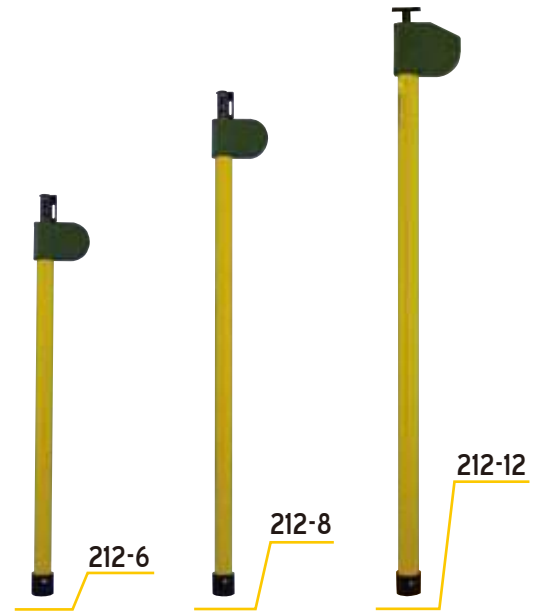
213-12



212-6 • 8



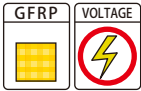
212-12



SPECIFICATIONS:

Model	212-6	213-6	212-8	213-8	212-12	213-12
Length	6m	6m	8m	8m	12m	12m
Graduations	metres	metres	metres	metres	metres	metres
Sections	6	6	8	8	10	10
Stored Length	0.97m	0.97m	1.22m	1.22m	1.42m	1.42m
Weight	1.45kg	1.45kg	1.74kg	1.74kg	2.8kg	2.8kg

Measuring poles

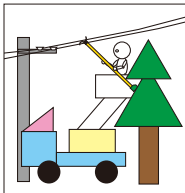


FEATURES:

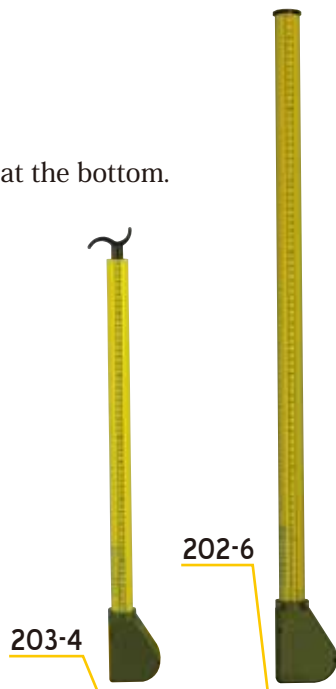
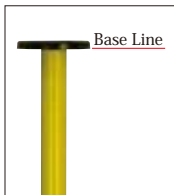
- Graduations: 1mm
- Measurement unit is located at the bottom.



203 Type



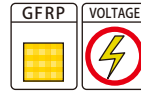
202 Type



SPECIFICATIONS:

Model	202-4	203-4	202-6	203-6
Length	4m	4m	6m	6m
Graduations	metres	metres	metres	metres
Sections	8	8	8	8
Stored Length	0.69m	0.69m	0.94m	0.94m
Weight	0.83kg	0.83kg	1.1kg	1.1kg

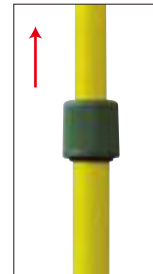
Measuring poles



FEATURES:

- Available in metric and Feet.

Instructions for locking:

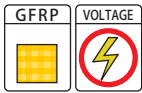


- Fully extend each section starting from the top pole. Twist to lock.

SPECIFICATIONS:

Model	202-8	202-26-G3	202-26-G4
Length	8m	26ft	26ft
Graduations	metres	10ths	Inches
Sections	8	8	8
Stored Length	1.42m	4 ² / ₃ ft	4 ² / ₃ ft
Weight	1.95kg	4.31lb	4.31lb

Measuring poles



FEATURES:

- Graduations: 1cm
- Compact design.
- Interchangeable Hooks. (C&T-type)

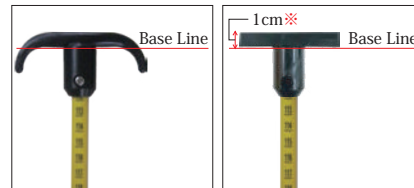


SPECIFICATIONS:

Model	A-6	A-8	A-10	A-12	A-15	A-18
Length	6m	8m	10m	12m	15m	18m
Graduations	metres	metres	metres	metres	metres	metres
Sections	6	8	10	12	15	18
Stored Length	1.1m	1.1m	1.1m	1.1m	1.1m	1.2m
Weight	0.5kg	0.75kg	1.05kg	1.5kg	2.3kg	4.7kg

Measuring method:

The base to the top is read at the top of the 1st section. The base measurement is included in this reading.



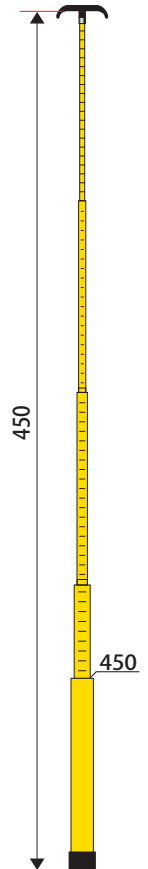
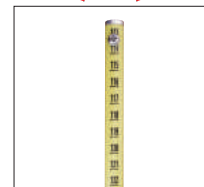
※Baseline is under the T-hook so add 1cm to reading.

Interchangeable Hooks:

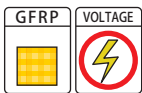
Both C&T-type hooks are supplied with A models.



(C-hook) (T-hook)

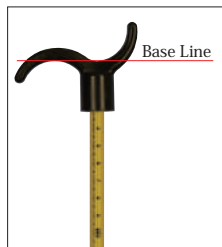
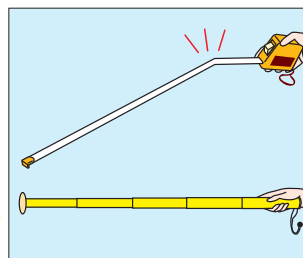


Convex poles

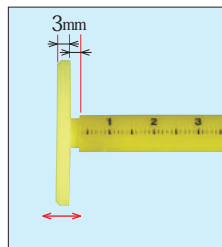


FEATURES:

- Graduations: 1mm
- Pole remains rigid.



S-type



T-type

SPECIFICATIONS:

Model	130-25	130-2	130-35	130-3	130-55	130-5	130-85	130-8
Length	2m	2m	3m	3m	5m	5m	8m	8m
Type	S-type	T-type	S-type	T-type	S-type	T-type	S-type	T-type
Graduations	metres	metres	metres	metres	metres	metres	metres	metres
Sections	10	10	15	15	15	15	16	16
Stored Length	24cm	24cm	24cm	24cm	38cm	38cm	58cm	58cm
Weight	120g	120g	220g	220g	440g	440g	810g	810g



130-2



130-3



130-5



130-8

Measuring wheels

PRECAUTIONS:

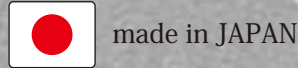
- Measurements are approximate only.
- After use please clean.

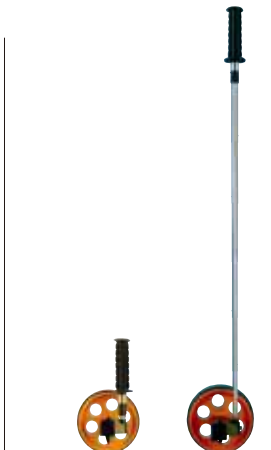
ADVANTAGES:

- Quality selection of materials for a long working life.
- All measuring wheels can be folded to a compact size to facilitate transport.

EXAMPLE OF USAGE:

- Distance between power poles.
- Processing traffic accidents.
- Investigation for insurance companies.
- Schools. ●Golf courses. ●Real estate.



D-1N	D-2	D-3	B20-D	M6-S
				
				

POINT

Standard	Hand Counter	Popular No.1	Two Wheels	Small Size
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COUNTER

				
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FEATURES

Range	10cm ~ 10km	10cm ~ 10km	10cm ~ 10km	10cm ~ 10km	1cm ~ 1km
Wheel diameter	32cm	32cm	16cm	20cm	6cm
Length	95cm	98cm	106cm	89cm	83cm
Stored length	50cm	98cm	28cm	64cm	39cm
Weight	1.2 kg	1.7 kg	630g	1.4kg	400g

Non-Conductive Products

Fibreglass surveying rods

NON-CONDUCTIVE RODS:

In order to prevent electric shock these rods have been specifically made of fibreglass. Tested at 75kv/30cm for 5minutes.

Recently, both overseas and in Japan, legal cases concerning electric shock accidents have been increasing because of the use of conductive materials such as aluminium. These incidents have been legally the responsibility of the employees' company, the rod maker and even the retailers.

In response to this, our non-conductive fibreglass leveling rod has been introduced. Other advantages, apart from being non-conductive, are that it is much stronger and it is lighter than conventional metal rods.

In terms of efficiency, performance and price, our products are excellent value.

EXAMPLES OF USAGE:

- Surveying
- Near hot lines.
 - On site or near the railway.
 - On the transmission line tower.
 - On site or near power plants or substation.
 - In the mountains.
 - Any other survey.

GFRP

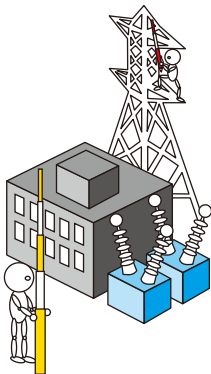
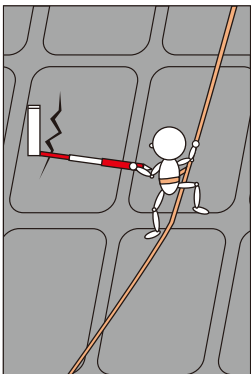
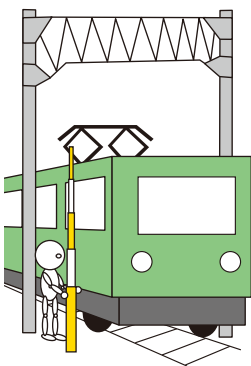


Made of light, strong, durable fibreglass.

VOLTAGE



Voltage Tested for 30cm at 75kv for 5minutes.



Surveying rods

GFRP

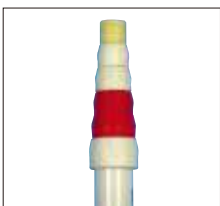
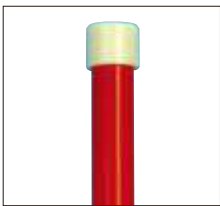
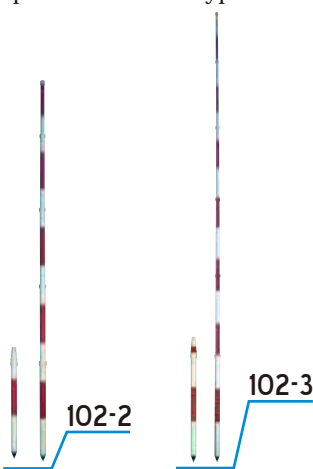


VOLTAGE



FEATURES:

- It has alternate red and white 20cm markings so it is easy to see.
- The joint parts are rubber type.



SPECIFICATIONS:

Model	102-2	102-3
Length	2m	3m
Sections	5	6
Stored Length	62cm	74cm
Weight	465g	591g

Surveying rods

GFRP

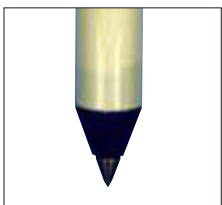
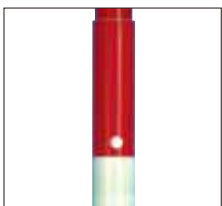
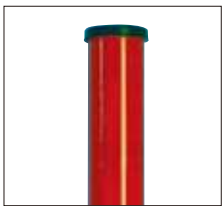
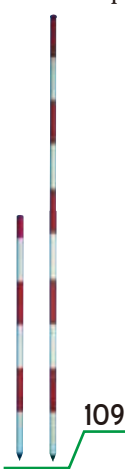


VOLTAGE



FEATURES:

- It has alternate red and white 20cm markings so it is easy to see.
- The joint parts are lock pin type.

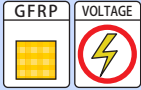


SPECIFICATIONS:

Model	109
Length	2m
Sections	2
Stored Length	115cm
Weight	460g

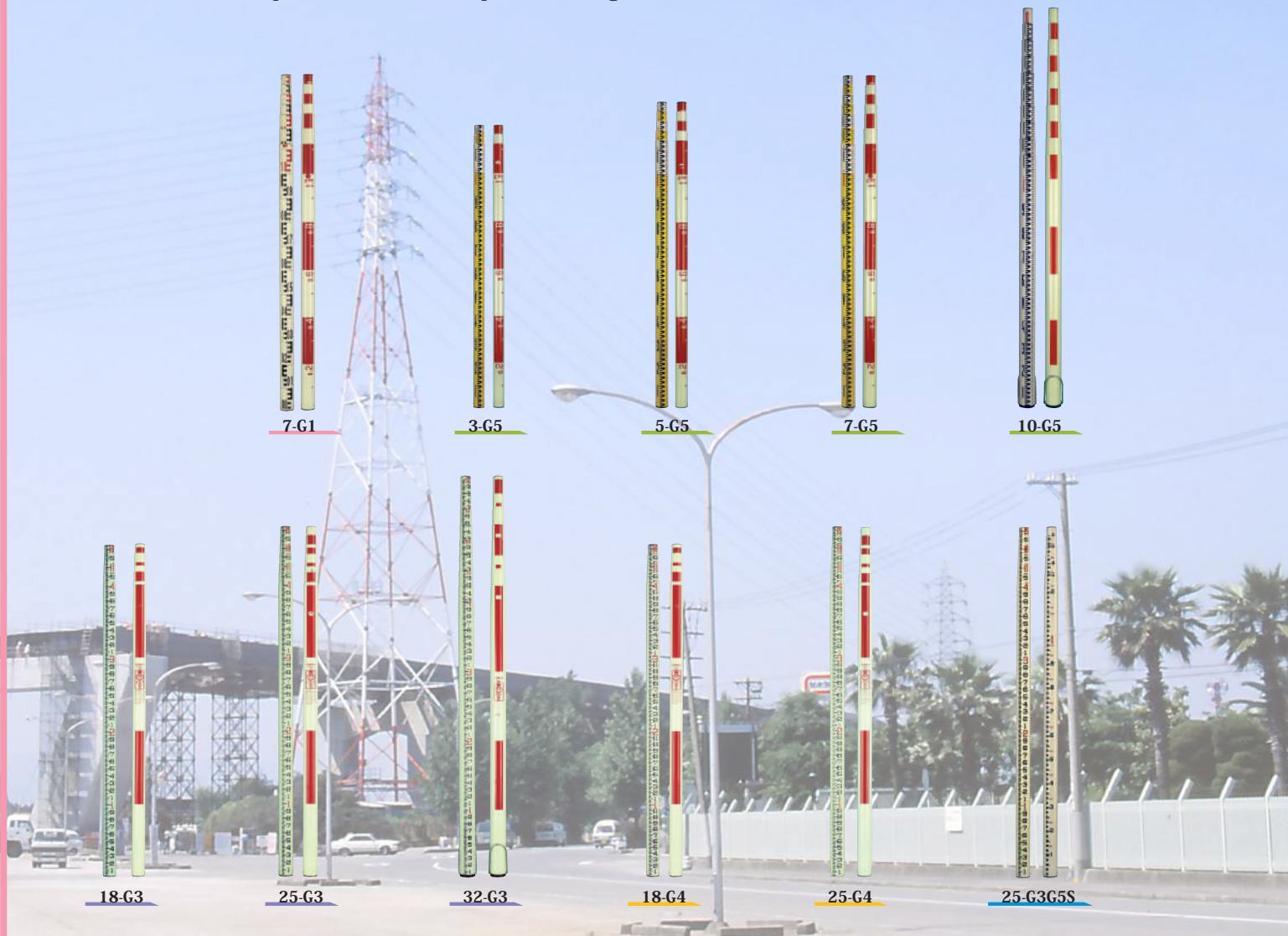
Non-Conductive Products

Fibreglass leveling rods

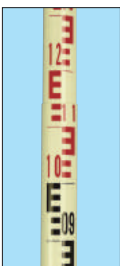


FEATURES:

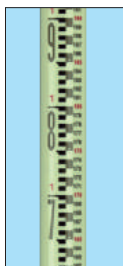
- The entire rod is waterproof and corrosion-proof even against seawater.



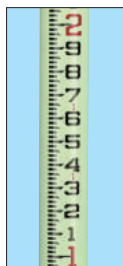
GRADUATIONS:



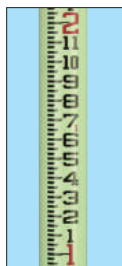
G1:
METRIC
E-type
cm/10mm



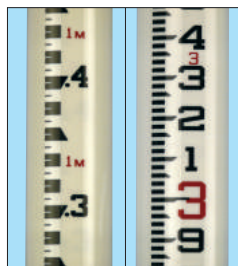
G5:
METRIC
cm/1mm/5mm



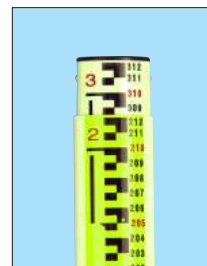
G3:
FEET & inches
10ths



G4:
FEET & inches
8ths



G3G5S:
METRIC
cm/5mm
FEET & inches
10ths



Easy-slide sections
are protected from
wear.



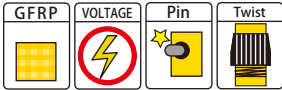
Top
5/8 inches screw
*Not incl. in 32-G3 Model

SPECIFICATIONS:

Model	205-7-G1	205-3-G5	205-5-G5	205-7-G5	205-10-G5	205-18-G3	205-25-G3	205-32-G3	205-18-G4	205-25-G4	205-25-G3G5S
Length	7m (E-type)	3m	5m	7m	10m	18ft	25ft	32ft	18ft	25ft	25ft & metric
Measurement	cm/10mm	cm/1mm/5mm	cm/1mm/5mm	cm/1mm/5mm	cm/1mm/5mm	ft / in 10ths	ft / in 10ths	ft / in 10ths	ft / in 8ths	ft / in 8ths	10ths & 5mm
Section	7	3	5	7	10	5	7	9	5	7	7
Stored Length	1.41m	1.2m	1.3m	1.41m	1.7m	4 ⁴ / ₇ ft	4 ⁵ / ₆ ft	5 ⁵ / ₆ ft	4 ⁴ / ₇ ft	4 ⁵ / ₆ ft	4 ⁵ / ₆ ft
Weight	1.98kg	0.76kg	1.32kg	1.98kg	3.55kg	3 ¹ / ₄ lb	5lb	9lb	3 ¹ / ₄ lb	5lb	5lb

Non-Conductive Products

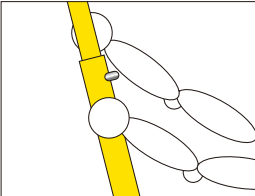
Non-Conductive Rods



VOLTAGE
Voltage Tested for 30cm at 75kv
for 5minutes.

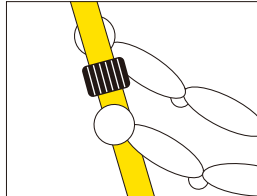
GFRP
Made of light, strong, durable fibreglass.

Pin Lock



Pin Lock Type

Twist Lock



Twist Lock Type

Details:



Top



Pin Lock Joint



Twist Lock Joint



Bottom
(2•3.6•3.7•4.5•6m)



Bottom
(4.6•5.9•7.2•9.6•12m)



SPECIFICATIONS:

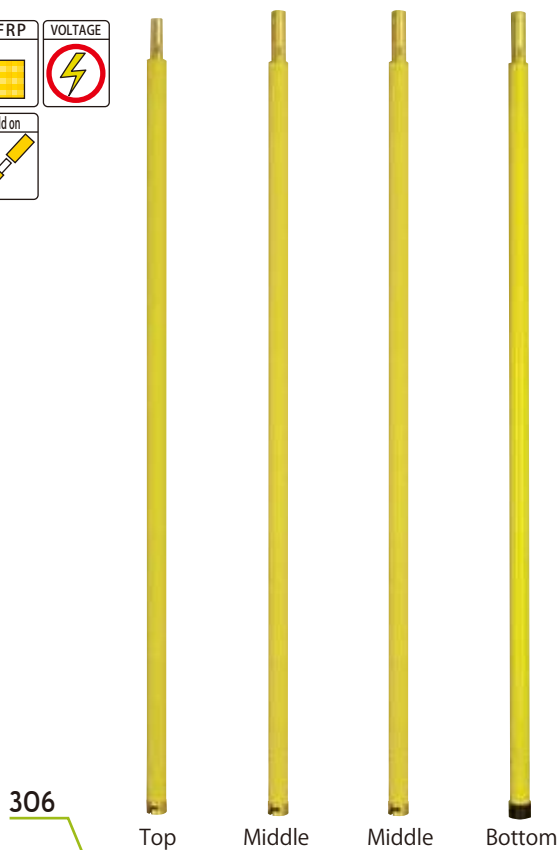
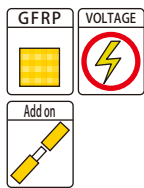
Model	SB-2	SB-36	SB-37	SB-45	SB-6	SB-46	SB-59	SB-72	SB-96	SB-12
Length	2m	3.6m	3.7m	4.5m	6m	4.6m	5.9m	7.2m	9.6m	12m
Diameter	φ 28/ φ 32	φ 40/ φ 48	φ 28/ φ 36	φ 28/ φ 40	φ 28/ φ 44	φ 40/ φ 52	φ 36/ φ 52	φ 40/ φ 60	φ 32/ φ 60	φ 28/ φ 64
Section	2	3	3	4	5	4	5	6	8	10
Stored Length	1.19m	1.37m	1.44m	1.37m	1.52m	1.52m	1.53m	1.62m	1.77m	1.92m
Weight	0.7kg	1.6kg	1.2kg	1.6kg	2.1kg	2kg	2.7kg	3.8kg	4.6kg	5.1kg

Non-Conductive Products

Attachment Poles

FEATURES:

- Attachments fit top pole only.



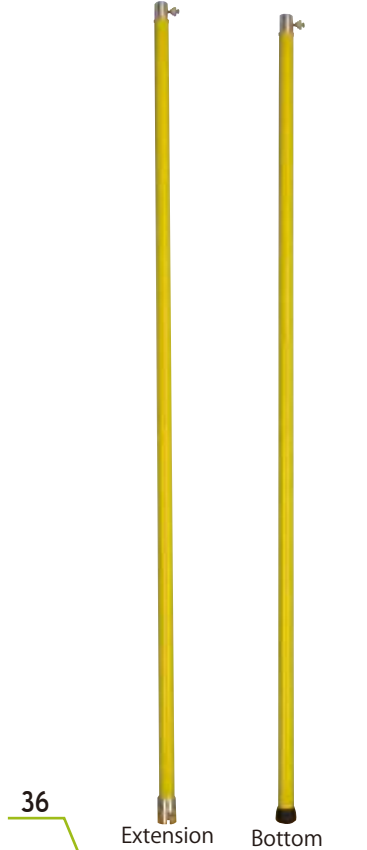
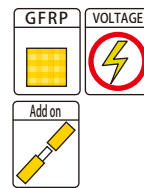
SPECIFICATIONS:

Model	306 set of 4 poles	306-SE top pole	306-TY middle pole	306-SO bottom pole
Length	6m	1.5m	1.5m	1.5m
Sections	4	Top	Middle	Bottom
Stored Length	1.5m	1.5m	1.5m	1.5m
Weight	3.2kg	0.8kg	0.8kg	0.8kg
Diameter	φ 39mm	φ 39mm	φ 39mm	φ 39mm

Lightweight Attachment Poles

FEATURES:

- Attachments can fit to both pole sections.



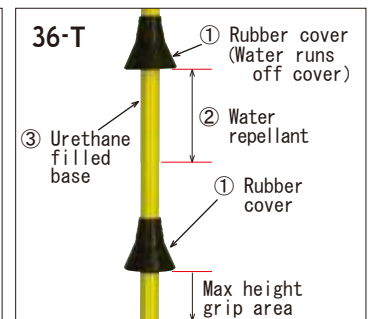
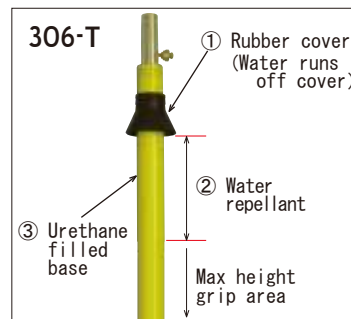
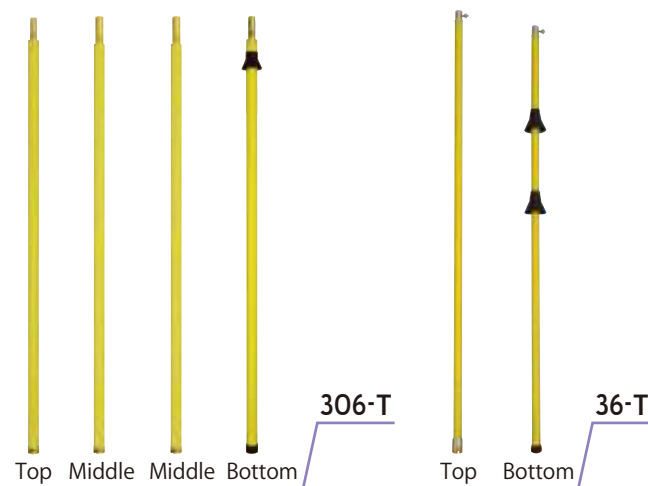
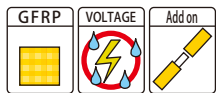
SPECIFICATIONS:

Model	36 set of 2 poles	36-SE extension pole	36-SO bottom pole
Length	3m	1.5m	1.5m
Sections	2	Top	Bottom
Stored Length	1.5m	1.5m	1.5m
Weight	0.9kg	0.5kg	0.4kg
Diameter	φ 28mm	φ 28mm	φ 28mm

Wet Weather Rods

FEATURES:

- Useful in rainy conditions.
- Rain voltage tested at 45° for 1mtr at 50kv for 5 minutes.

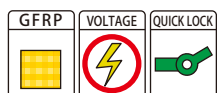


SPECIFICATIONS:

Model	306-T set of 4 poles	36-T set of 2 poles
Max voltage	AC33kv	AC6900v
Length	6m	1.5m
Water repellent	Bottom	Bottom
Sections	4	2
Stored Length	1.5m	1.5m
Weight	3.4kg	1.1kg
Diameter	φ 39mm	φ 28mm

Non-Conductive Products

Quick Lock Attachment pole



FEATURES:

- Choose various heights.
- Clip down locking system.
- Attachments **BS-25, BS-26 & BS-39**

Inset



Quick lock



Foot stand

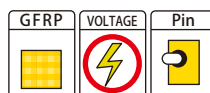
SBK-6

SBK-8

SPECIFICATIONS:

Model	SBK-1	SBK-2	SBK-4	SBK-6	SBK-8	SBK-10
Length	1.14m	2.15m	4.11m	6.1m	8.1m	9.7m
Stored Length	0.72m	1.22m	1.27m	1.33m	1.4m	1.46m
Sections	2	2	4	6	9	10
Weight	0.4kg	0.55kg	1.11kg	1.61kg	2.5kg	3.7kg
Diameter	φ 32/φ 35	φ 32/φ 35	φ 32/φ 41	φ 32/φ 47	φ 32/φ 53	φ 32/φ 61

Oval Type Attachment pole



FEATURES:

- Graduations: 1mm
- The numbers are clear and easy to read.

Inset



Top section



Pin lock joint



Top (oval) cross section



Rubber base

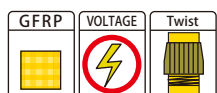
SBD-44

SPECIFICATIONS:

Model	SBD-44
Length	4.4m
Stored Length	1.5m
Sections	4
Weight	1.7kg

Diameter (mm)					
No.	1	2	3	4	
A	48.4	51.4	54.4	57.4	
B	28.4	31.4	34.4	37.4	

Screw type Attachment pole



FEATURES:

- Reliable lock under pressure.
- 1.2m • 2.2m set heights.

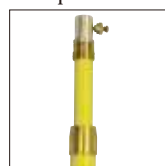
Inset



Top section



Screw joint



Joint section



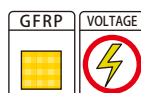
Grip

SPECIFICATIONS:

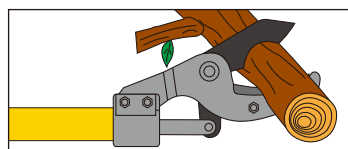
Model	SBN-22
Length	2.2m
Sections	2
Stored Length	1.2m
Weight	1.06kg
Diameter	φ 27/φ 36

SBN-22

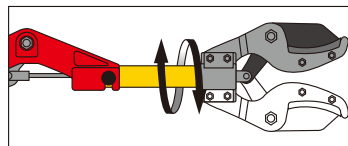
Pruning pole



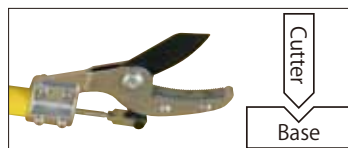
DETAILS:



Max cutting diameter 4cm



Adjustable 180°



50% better than regular cutters

SPECIFICATIONS:

Model	611
Length	1.9m
Weight	1.86kg
Diameter	φ 25/φ 30

611

Concrete dislodging rods



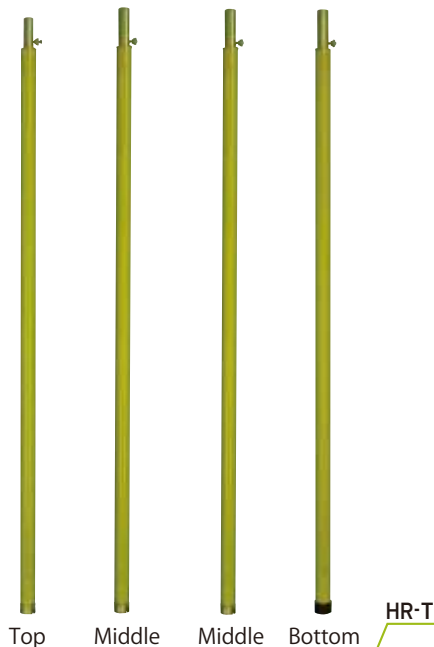
Made of light, strong, durable fibreglass.



Voltage Tested for 30cm at 75kv
for 5minutes.



Add on extension type.

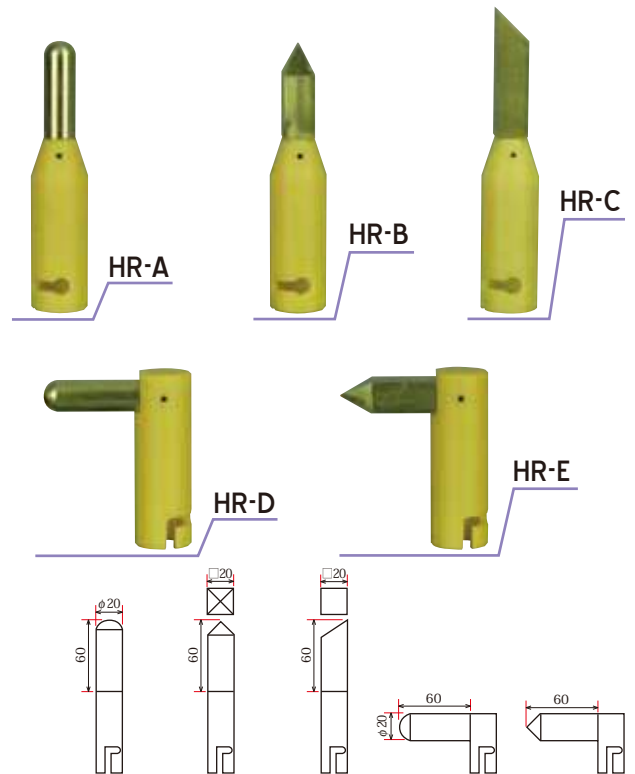


SPECIFICATIONS:

Model	HR-T set of 4 poles	HR-SE top pole	HR-TY middle pole	HR-SO bottom pole
Length	6m	1.5m	1.5m	1.5m
Sections	4	Top	Middle	Bottom
Stored Length	1.5m	1.5m	1.5m	1.5m
Weight	3.2kg	0.8kg	0.8kg	0.8kg
Diameter	φ 39mm	φ 39mm	φ 39mm	φ 39mm

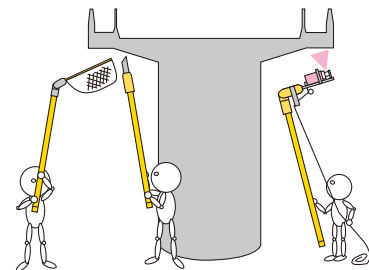
Concrete dislodging rod options

CAN ATTACH TO ALL RODS



Model	HR-A	HR-B	HR-C	HR-D	HR-E
Weight	185g	240g	240g	240g	260g

※Optional attachments are for top pole use only.



Safety net

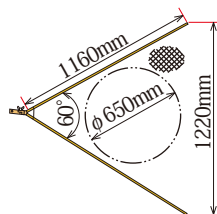
CAN ATTACH TO ALL RODS

FEATURES:

- Able to catch dislodged concrete and other materials.
- Prevents damage to items below.
- Max weight 2kgs.
- Adjustable angle 45° · 90° · 180° only.



※FRP NET



SPECIFICATIONS:

Model	SN
Weight	1.07kg
Material	FRP

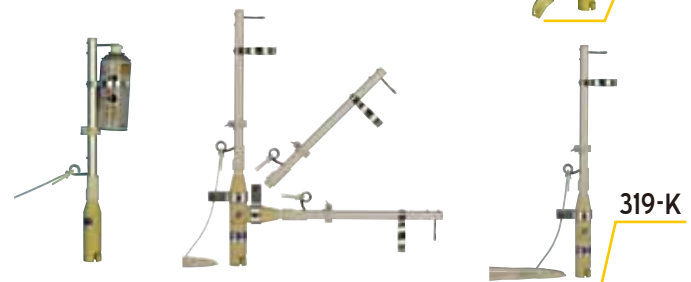
Spray can holder

CAN ATTACH TO ALL RODS

FEATURES:

Following spray can sizes only.

- Height : less than 200mm
- Diameter : 60mm ~ 70mm

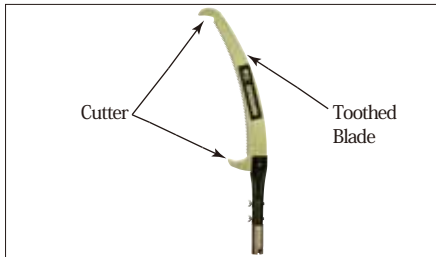
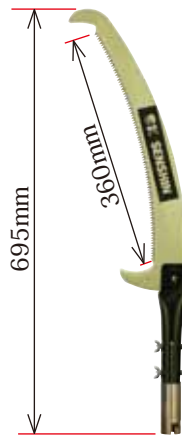


SPECIFICATIONS:

Model	319-F	319-K
Adjustable Range	No	45° · 90° · 180°
FRP Rope	12m	12m

Attachments

Branch pruning saw cutter



SPECIFICATIONS:

Model	BS-33
Weight	670g

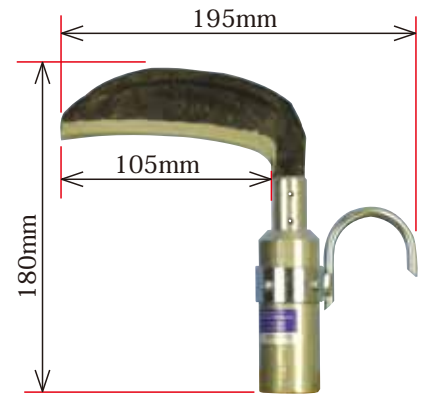
Branch pruning cutter



SPECIFICATIONS:

Model	BS-2
Weight	690g

Vine cutter

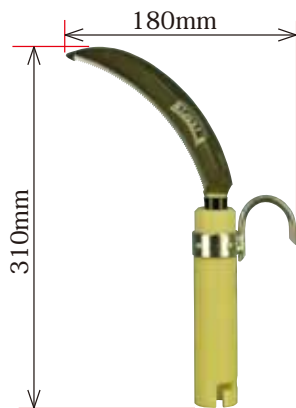


SPECIFICATIONS:

Model	BS-3
Weight	280g

Fits All Rods (except SBK MODELS)

Stainless steel cutter



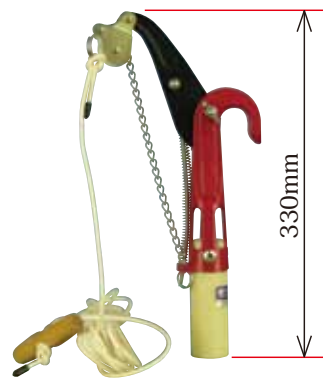
Stainless steel



SPECIFICATIONS:

Model	BS-38
Weight	210g

Rope-pulley pruner

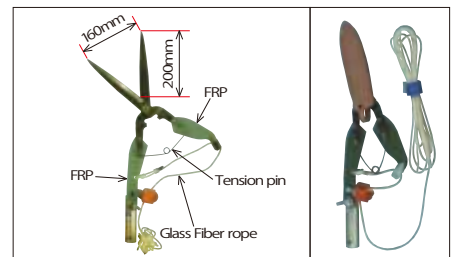
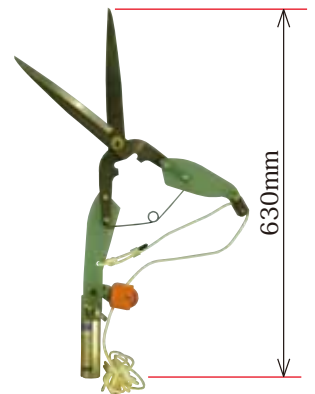


※Cuts branches up to $\Phi 2.5\text{cm}$

SPECIFICATIONS:

Model	BS-4
Weight	600g
FRP Rope	12m

Rope-pulley shears



SPECIFICATIONS:

Model	BS-35
Weight	1.3kg
FRP Rope	12m

Attachments

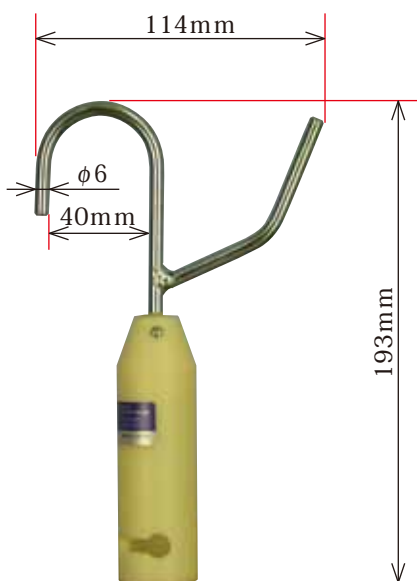
Hook bracket



SPECIFICATIONS:

Model	BS-15N
Weight	60g

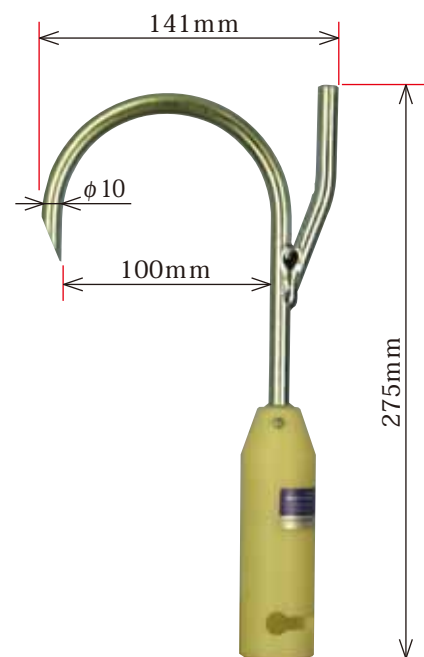
Hook bracket



SPECIFICATIONS:

Model	BS-16N
Weight	87g

Hook bracket

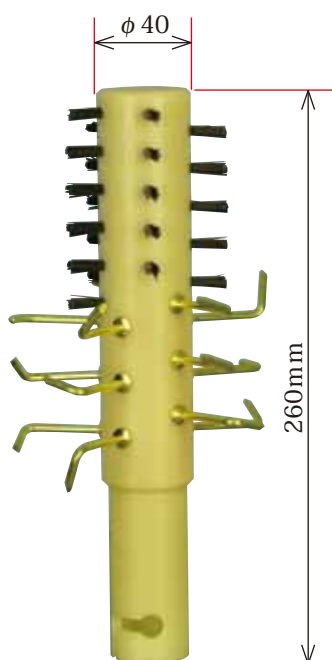


SPECIFICATIONS:

Model	BS-13
Weight	310g

Fits All Rods (except SBK MODELS)

Swing-hook bracket



SPECIFICATIONS:

Model	TD6-A
Weight	451g

Safety hand

FEATURES:

- Inside rubber.
- Rope operated.



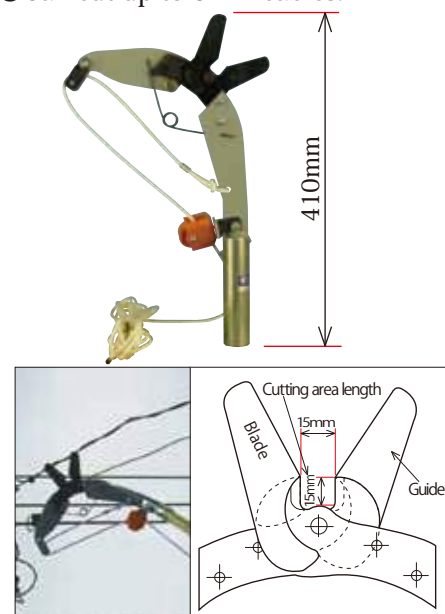
SPECIFICATIONS:

Model	TD6-F
Weight	451g
FRP Rope	12m

Cable cutter

FEATURES:

- Easy to reach high cables from ground level.
- Can cut up to 9mm cables.

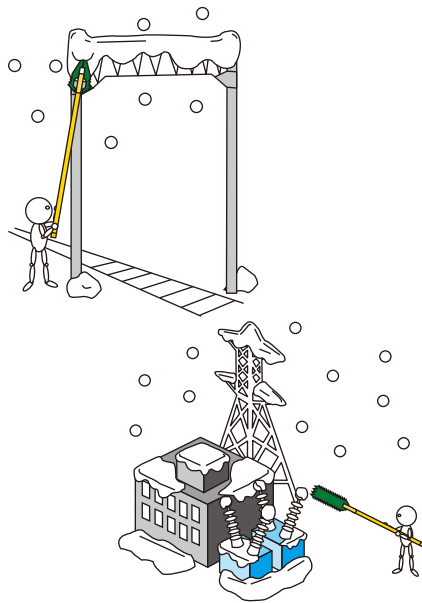


SPECIFICATIONS:

Model	BS-11
Weight	1.2kg
FRP Rope	12m

Attachments

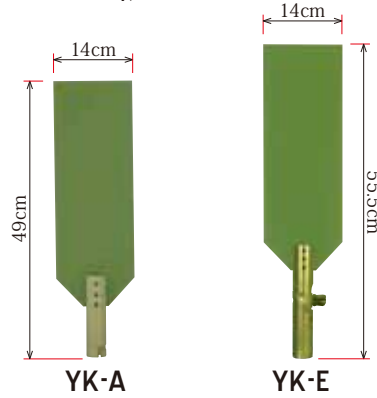
Snow removal attachments



Scraper

Fixed verticle type 180°

Adjustable angle
45° • 90° • 180° only



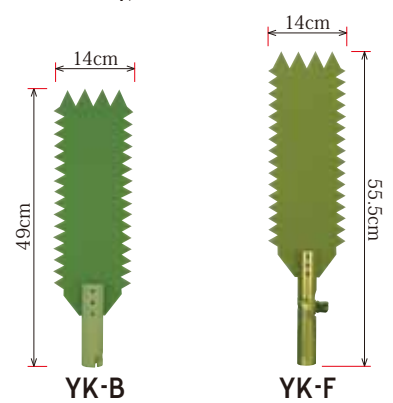
SPECIFICATIONS:

Model	YK-A	YK-E
Weight	562g	830g

Toothed scraper

Fixed verticle type 180°

Adjustable angle
45° • 90° • 180° only



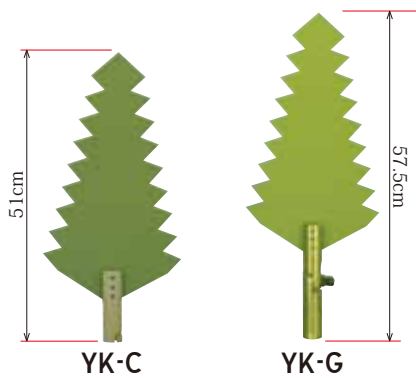
SPECIFICATIONS:

Model	YK-B	YK-F
Weight	619g	764g

Angled tooth scraper

Fixed verticle type 180°

Adjustable angle
45° • 90° • 180° only



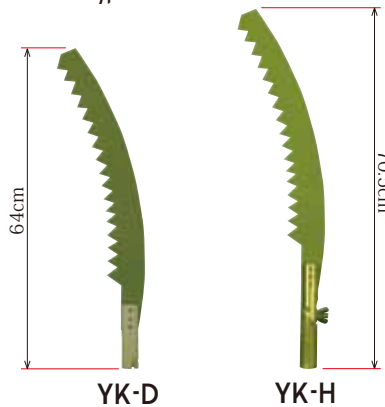
SPECIFICATIONS:

Model	YK-C	YK-G
Weight	715g	860g

Snow saw

Fixed verticle type 180°

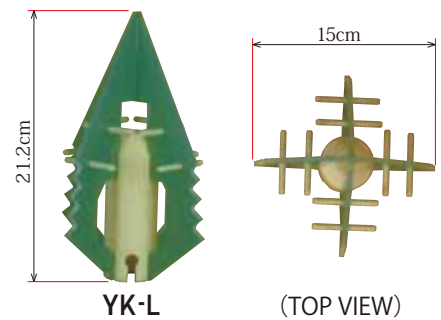
Adjustable angle
45° • 90° • 180° only



SPECIFICATIONS:

Model	YK-D	YK-H
Weight	515g	660g

Ice breaker & remover



SPECIFICATIONS:

Model	YK-L
Weight	292g

Snow shovel

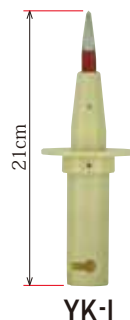
Adjustable angle
45° • 90° • 180° only



SPECIFICATIONS:

Model	YK-J
Weight	800g

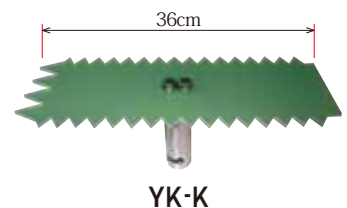
Ice pick



SPECIFICATIONS:

Model	YK-I
Weight	212g

Icicle remover



SPECIFICATIONS:

Model	YK-K
Weight	520g

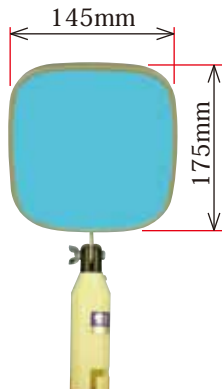
Non-Conductive Products

Fits All Rods (except SBK MODELS)

Inspection mirror

FEATURES:

- Can attach to non conductive rods.
- Magnifying glass.



SPECIFICATIONS:

Model	BS-25
Weight	260g

Large inspection mirror

FEATURES:

- Can attach to non conductive rods.
- Magnifying glass.



SPECIFICATIONS:

Model	BS-26
Weight	990g

Camera mount

FEATURES:

- 360° ballhead mount.
- "Quick shoe" easy slide bracket.



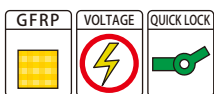
SPECIFICATIONS:

Model	BS-39
Weight	190g

Non-conductive camera pole

FEATURES:

- Suits all makes of cameras.
- Easily adjustable.



Inset:



Flexible arm



"Quick shoe" easy slide bracket

SPECIFICATIONS:

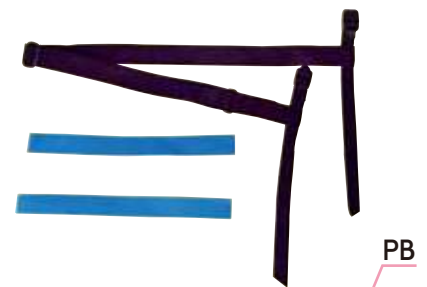
Model	ZCS-2	ZCS-4	ZCS-6	ZCS-8	ZCS-10	ZCS-12
Length	2m	4m	6m	8m	10m	12m
Sections	4	4	6	8	10	12
Stored Length	1.09m	1.59m	1.64m	1.7m	1.77m	1.83m
Weight	0.78kg	1.1kg	1.58kg	2.16kg	2.91kg	4.17kg
Diameter	φ 26/ φ 35	φ 26/ φ 35	φ 26/ φ 41	φ 26/ φ 47	φ 26/ φ 53	φ 26/ φ 61



Pole carry belt

FEATURES:

- Can fit up to 72mm diameter poles.



Example

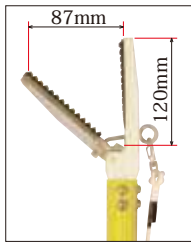
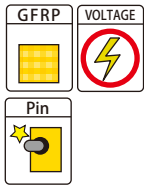
SPECIFICATIONS:

Model	PB
Length	1.7m
Stored Length	67cm
width	3cm

Safety hand pole

FEATURES:

- Ratchet type.



Top section



Pull



Release



SHR-17



SHR-26



SHR-31

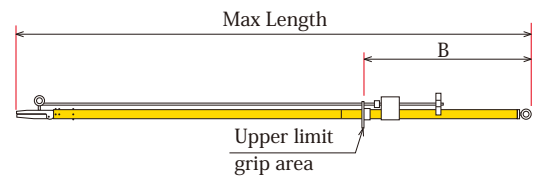


SHR-41

Upper limit grip area

SPECIFICATIONS:

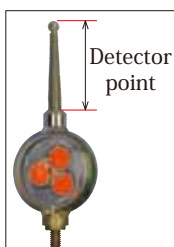
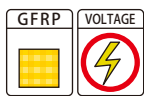
Model	SHR-17	SHR-26	SHR-31	SHR-41
Length	1.7m	2.6m	3.1m	4.1m
Stored Length	1.7m	1.52m	1.36m	1.45m
Sections	1	2	3	4
Grip Area	76cm	106cm	95cm	96cm
Weight	1.12kg	1.47kg	1.73kg	2.2kg
Diameter	φ 32/φ 32	φ 32/φ 36	φ 32/φ 40	φ 32/φ 44



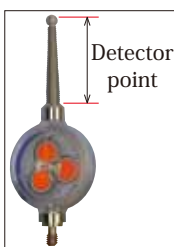
Pinwheel voltage dectector

FEATURES:

- Battery-less voltage detector that operates by energy from the target of the voltage detected area.
- Rod Voltage Tested for 30cm at 75kv for 5minutes.



Green



Blue



Pinwheel

SPECIFICATIONS:

Model	FK-22	FK-33	FK-33T	FK-77	FK-187	FK-275
Length	1.4m	2m	5m	2m	4m	5m
Test Area	6-22kv	6-33kv	6-33kv	11-77kv	11-187kv	33-275kv
Safety Zone	43cm	106cm	361cm	136cm	291cm	400cm
Condenser	40cm	40cm	40cm	20cm	20cm	Non
Stored Length	0.84m	0.84m	1.21m	0.84m	1.21m	1.21m
Weight	342g	514g	890g	500g	835g	814g
Section	2	3	5	3	4	5
Diameter	φ 24/φ 27	φ 24/φ 30	φ 24/φ 36	φ 24/φ 30	φ 24/φ 33	φ 24/φ 36



FK-22



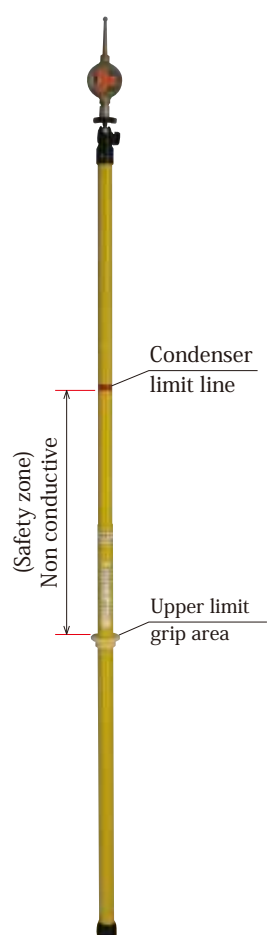
FK-77
FK-33



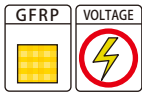
FK-187



FK-275
FK-33T



Magic hand



EXAMPLES OF USAGE:

- Pick up cans, tickets, cigarette ends, mobile phones, hats and shoes safely and fast.



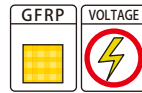
※Maximum Weight : 1kg

SPECIFICATIONS:

Model	TD5-15	TD5-24
Length	1.5m	2.4m
Sections	2	2
Stored Length	1.1m	1.65m
Weight	650g	860g
Diameter	φ 23/ φ 26	φ 23/ φ 26

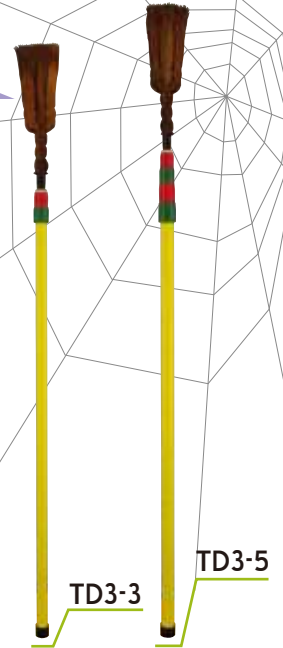


Spider web remover poles



EXAMPLES OF USAGE:

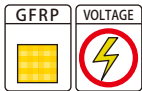
- Remove spider webs from lights, walls and ceilings safely and easily.
- Two brush attachments included.



SPECIFICATIONS:

Model	TD3-3	TD3-5
Length	3m	5m
Sections	3	5
Stored Length	1.24m	1.32m
Weight	0.63kg	1.17kg
Diameter	φ 23/ φ 29	φ 23/ φ 35

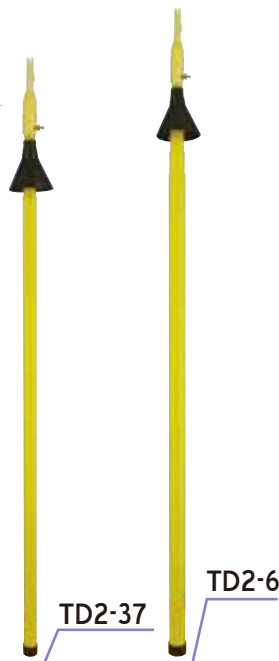
Cleaning Poles



EXAMPLES OF USAGE:

- Clean windows, walls and train carriages.

Optional Attachments:



SPECIFICATIONS:

Model	TD2-37	TD2-6
Length	3.7m	6m
Sections	3	5
Stored Length	1.45m	1.58m
Weight	1.32kg	2.25kg
Diameter	φ 28/ φ 36	φ 28/ φ 44

Measuring wheel for rails

FEATURES:

- Does not derail.



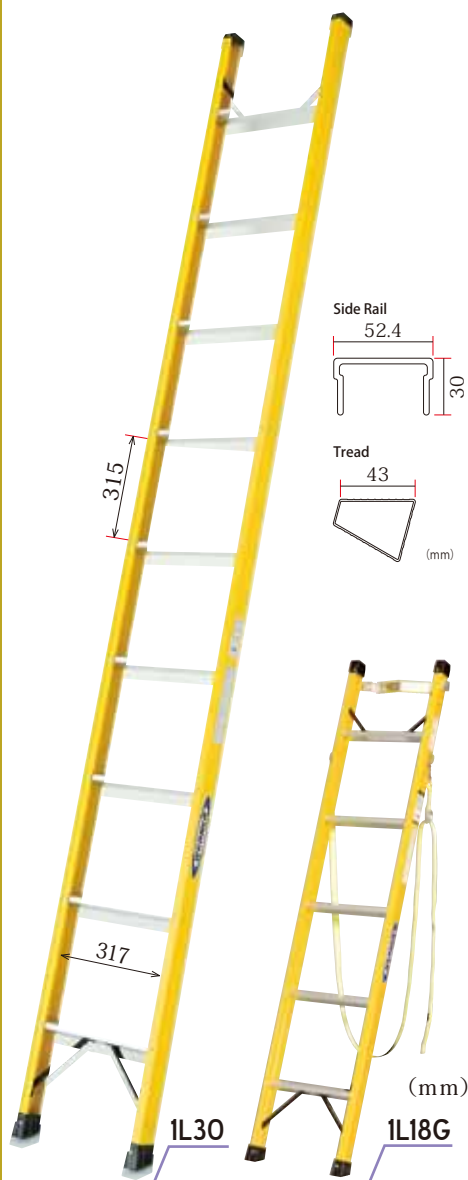
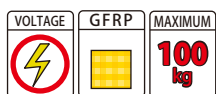
SPECIFICATIONS:

Model	RM-66	RM-71
Length	87cm	87cm
Range	1cm~1km	1cm~1km
Width	66mm	71mm
Stored Length	44cm	44cm
Weight	560g	560g

Single Ladder

FEATURES:

- 18G•24G•30G: Pole support and belt equipment included.
- Voltage Tested for 30cm at 75kv for 5minutes.



SPECIFICATIONS:

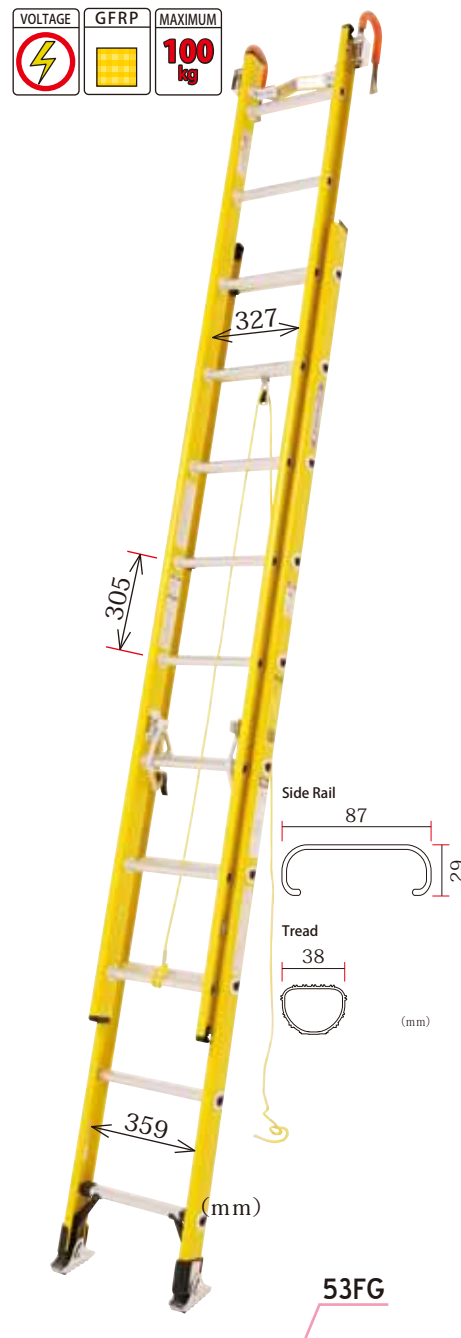
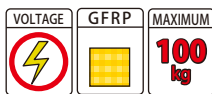
Model	1L18	1L24	1L30
Length	1.81m	2.44m	3.07m
Stored Length	1.81m	2.44m	3.07m
Weight	3.2kg	4.2kg	5.2kg

Model	1L18G	1L24G	1L30G
Length	1.81m	2.44m	3.07m
Stored Length	1.81m	2.44m	3.07m
Weight	4.0kg	5.0kg	6.0kg

Extension Ladder

FEATURES:

- Pulley system
- Voltage Tested for 30cm at 75kv for 5minutes.



SPECIFICATIONS:

Model	53FG	65FG
Length	5.34m	6.56m
Stored Length	3.52m	4.14m
Weight	16.4kg	19.1kg

Extension Ladder

FEATURES:

- Manual system
- Voltage Tested for 30cm at 75kv for 5minutes.



SPECIFICATIONS:

Model	2L34	2L40
Length	3.4m	4.03m
Stored Length	2.14m	2.45m
Weight	7.5kg	8.5kg

Non-Conductive Products

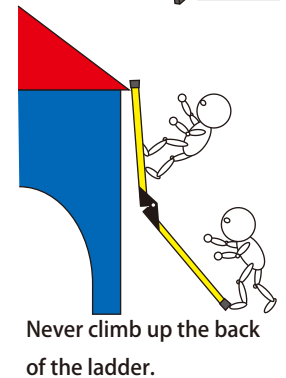
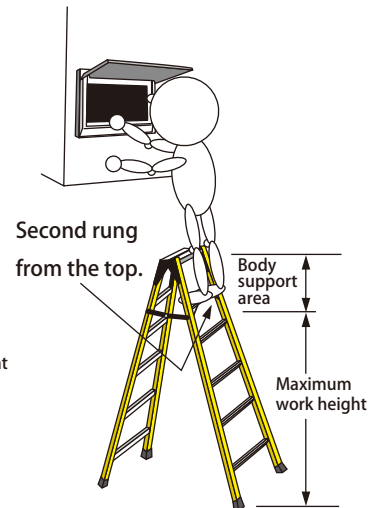
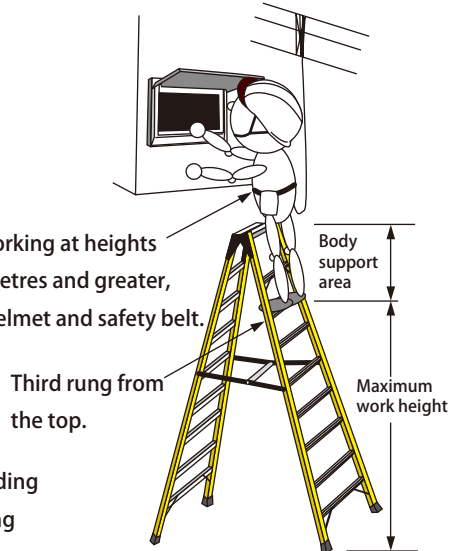
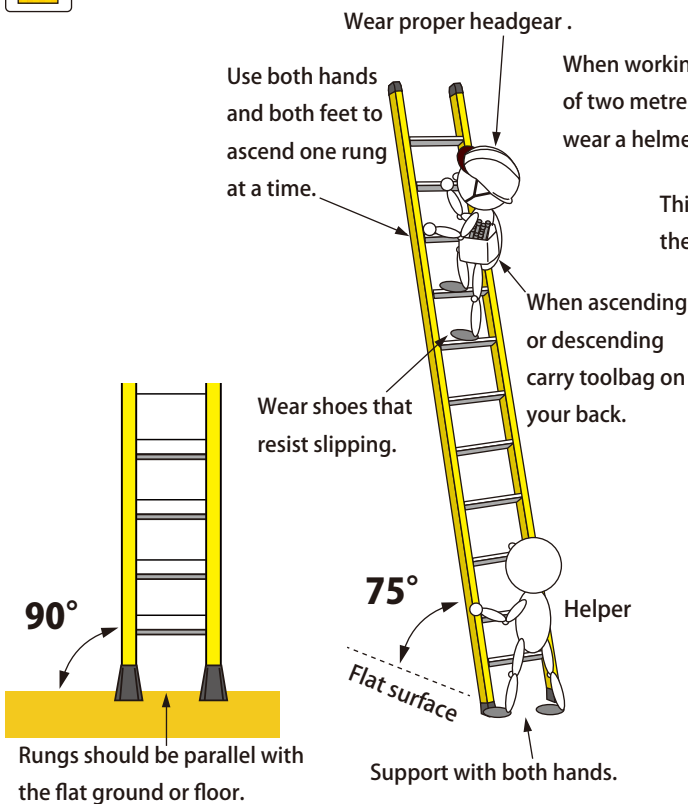
Ladders/Step Ladders



Voltage Tested for 30cm at 75kv
for 5minutes.



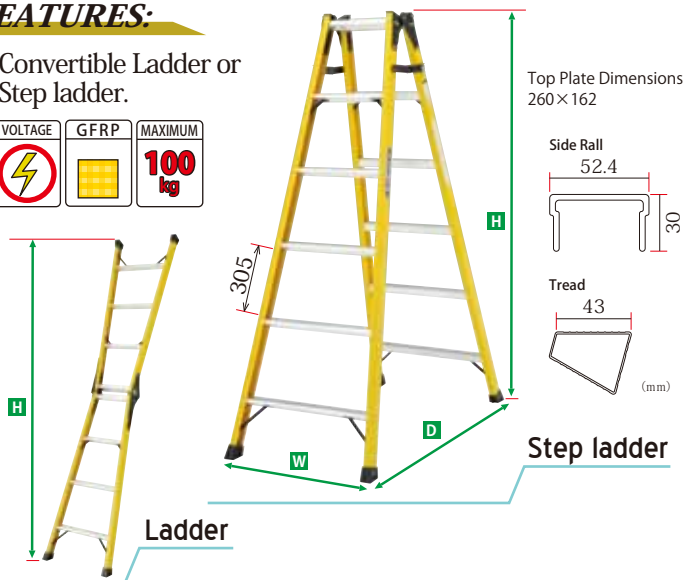
Made of light, strong, durable fibreglass.



Combination Ladder

FEATURES:

- Convertible Ladder or Step ladder.



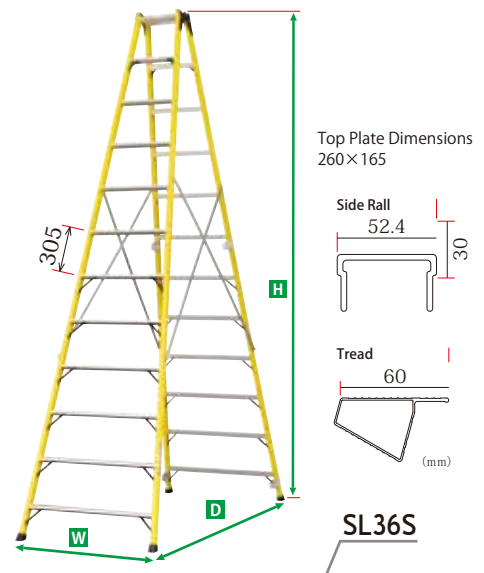
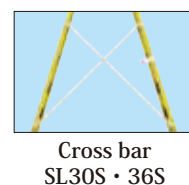
SPECIFICATIONS:

Model		SL09	SL12	SL15	SL18	SL21
Ladder	Length (H)	1.74m	2.35m	2.96m	3.57m	4.18m
	Length (H)	0.81m	1.1m	1.39m	1.68m	1.97m
	Width (W)	0.48m	0.54m	0.59m	0.64m	0.7m
	Depth (D)	0.68m	0.86m	1.04m	1.22m	1.4m
Step Ladder	Length (H)	895mm	1200mm	1505mm	1810mm	2115mm
	Width (W)	485mm	540mm	595mm	645mm	700mm
	Depth (D)	170mm	170mm	170mm	170mm	170mm
	Weight	5.81kg	6.84kg	7.9kg	9.1kg	10.2kg

Step Ladder

FEATURES:

- Step ladder only.



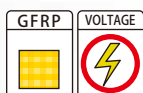
SPECIFICATIONS:

Model		SL18S	SL21S	SL24S	SL27S	SL30S	SL36S
Step Ladder	Length (H)	1.68m	1.97m	2.26m	2.56m	2.85m	3.43m
	Width (W)	0.64m	0.7m	0.75m	0.8m	0.86m	0.96m
	Depth (D)	1.22m	1.4m	1.57m	1.75m	1.93m	2.3m
	Length (H)	1810mm	2115mm	2420mm	2725mm	3030mm	3640mm
Storage	Width (W)	650mm	705mm	760mm	810mm	865mm	970mm
	Depth (D)	185mm	185mm	185mm	185mm	185mm	185mm
	Weight	9.8kg	11.4kg	13.1kg	15.2kg	16.9kg	20.8kg

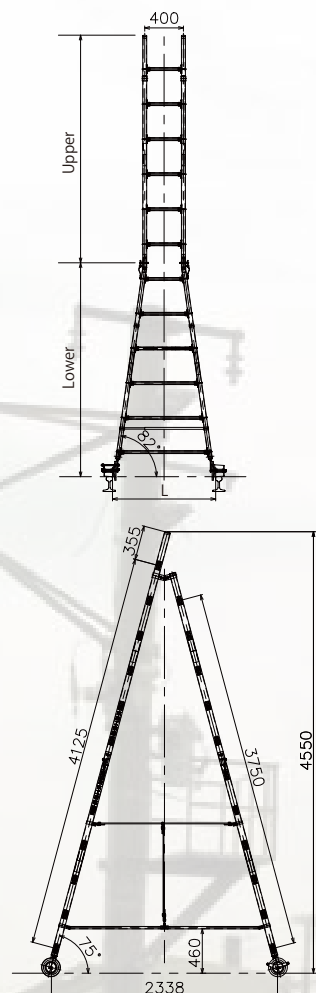
Insulation tower

USAGE:

- Used in construction of railways.



MEASUREMENTS:



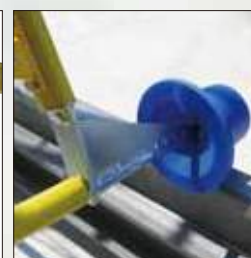
Upper section



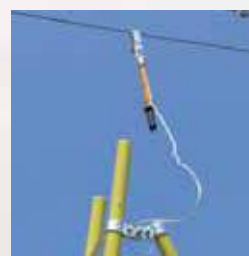
Lower section



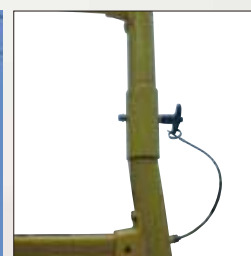
Angle Lock



Width 1435mm



A.C Hook



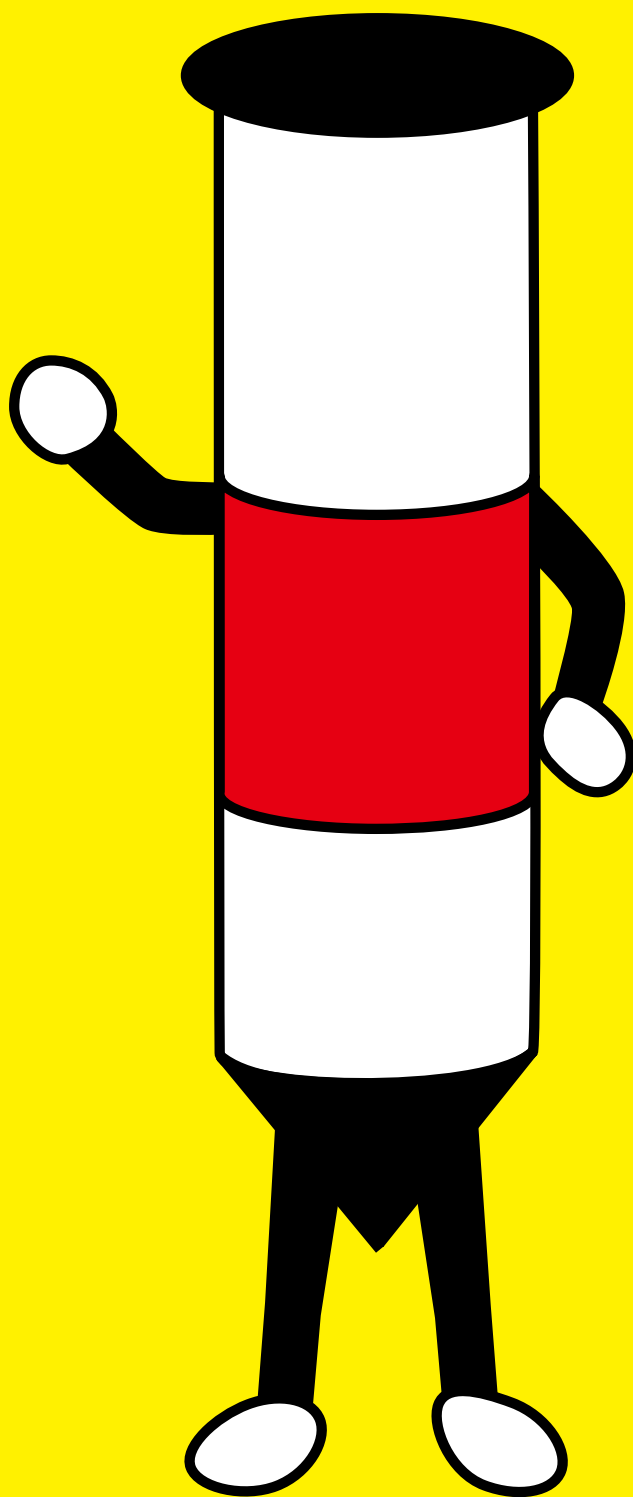
Lock pin



SPECIFICATIONS:

Model	L	Weight
TW-1067	1067mm	48kg
TW-1435	1435mm	53kg

GLASS FIBER PRODUCTS



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