

04

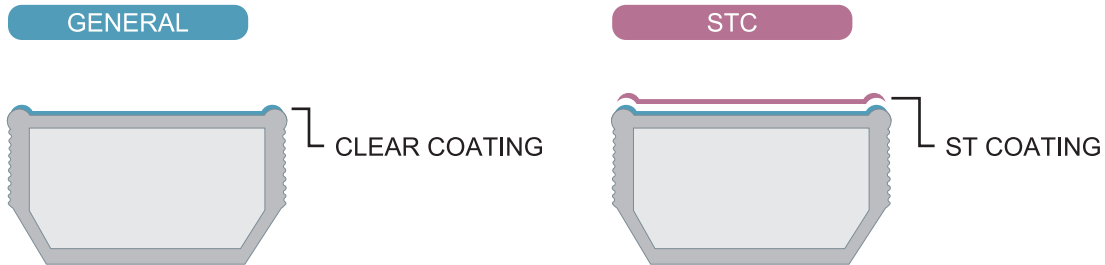
STAFF



INTRODUCTION

■ ST COATING (Protection for graduation)

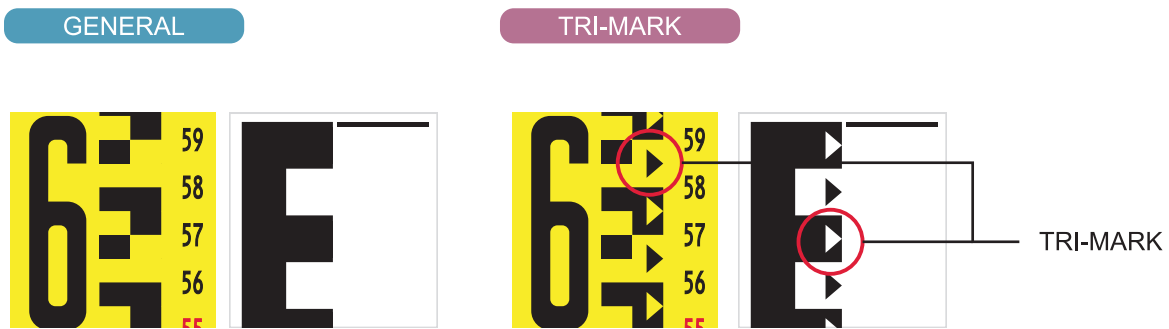
Staff has the clear coating to protect the graduation against scratches. Even if it has the clear coating, it's often scratched on the graduation. To have ST coating, we have accomplished the development of high durable and long-lasting staff.



* Only for MST series

■ TRI-MARK (For accurate surveying)

We have adopted new graduation for MST series and ALX series. This is for accurate surveying, minimum scale was 5mm conventionally. To have this new graduation, we could supply you the much more accurate surveying.



How to Read



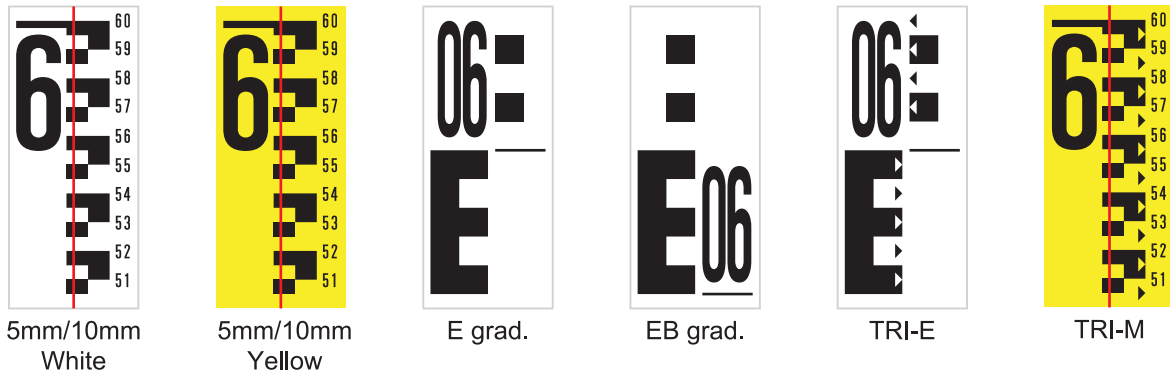
■ Protection sticker

After a long period of use, have you heard disagreeable noise? It's caused by entering the dust or gravel. If this situation is left as it is, you cannot extend the staff anymore. This label will keep out the dust and gravel. Also, this sticker protects the fingers from squeezing.

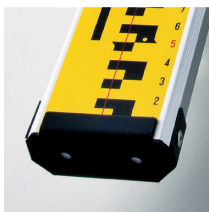


■ Graduation

Various graduations are available for your demand.



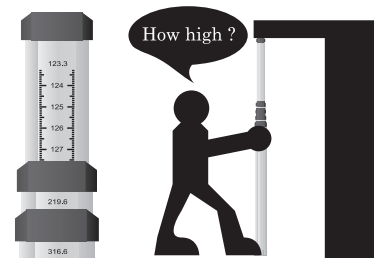
■ Stainless protection on the bottom



The bottom part is the most perishable. To prevent the bottom part from damaging, we use the stainless which is high durability and anticorrosion property. This stainless bottom will provide your long-lasting use.

■ Measuring graduation on back

The graduation on back is for inner height measuring. After extending from the top, you can read the height on your hand.



■ Quick reference matrix

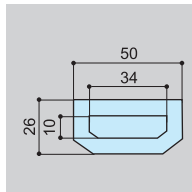
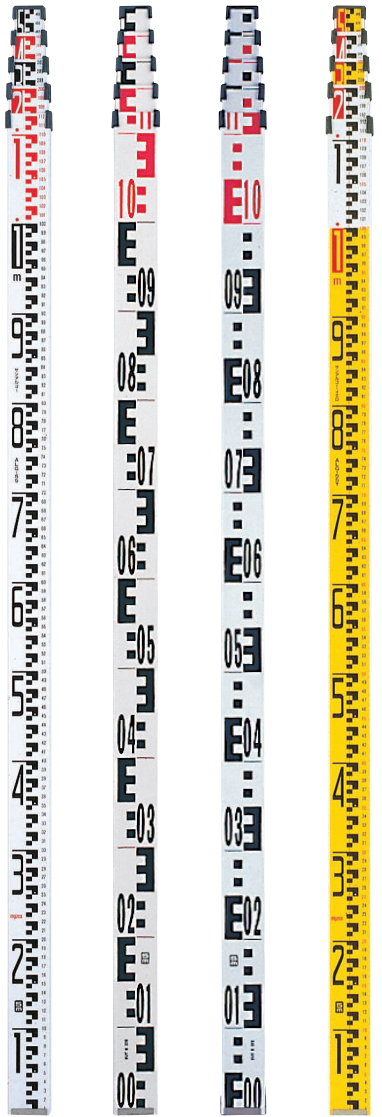
	STC	Protection Sticker	Button	Circular Level	Graduation	
					Front	Rear
ALG series	—	—	MG-02A	SA-60	5mm/10mm, E grad., EB grad.	Measuring grad.
ALM series	—	—	MG-01	SB-60	5mm/10mm, E grad.	mm graduation
ALX series	—	—	MG-02A	SA-60	5mm/10mm, E grad., EB grad., TRI-E	Measuring grad.
MST series	○	○	MG-02A	SA-60	5mm / 10mm, TRI-M	Measuring grad. Photo scale
SUM series	—	—	MG-01	SB-60	5mm/10mm, E grad.	Photo scale
SUN series	—	—	MG-02A	SA-60	5mm/10mm	Photo scale
STN series	—	—	MG-02A	SA-60	5mm/10mm	Photo scale
ALS series	—	—	MG-01	SB-60	5mm/10mm	Photo scale
RFC series	—	—	MG-02A	SA-60	5mm/10mm	Photo scale



1 TRIPOD
2 PRISM
3 POLE
4 STAFF
5 GPS
6 SURVEYING INSTRUMENT
7 SURVEYING ACCESSORY
8 MEASURING TOOL
9 TESTING SECURITY

ALUMINIUM STAFF STANDARD TYPE ALG series

ALUMINIUM STAFF HEAVY-DUTY TYPE ALM series



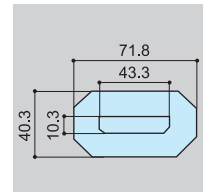
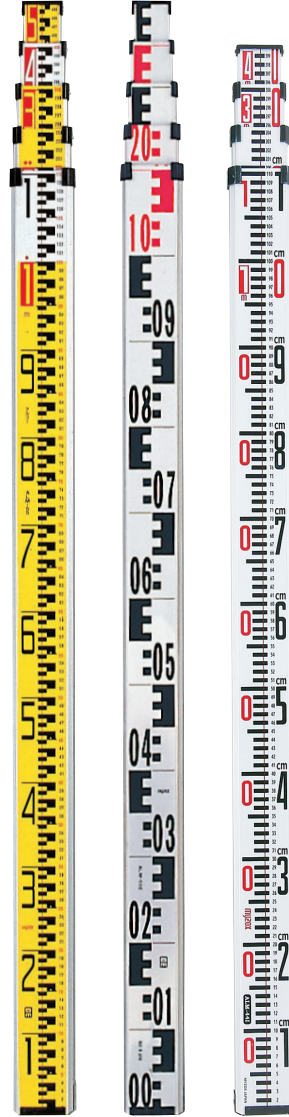
Dimensions



SA-60 (Option)



MG-02A (Staff button)



Dimensions



SB-60 (Standard)



MG-01 (Staff button)

FEATURES

- Most popular model and world's standard
- Clear and durable graduation print
- Robust square shape button
- 1mm pitch reading on the rear side (Inner height measuring)
- Red center line help to collimate (5mm/10mm graduation model)

SPECIFICATIONS

Model	: 5m x 5sec.	4m x 4sec.
Full closed	: 1,245mm	1,216mm
Weight	: 1.7kg	1.44kg
Graduation	: 5mm/10mm, E, EB	5mm/10mm, E, EB
Circular Level	: SA-60	SA-60
Button	: MG-02A	MG-02A

OPTION

SA-60 circular bubble, carrying case

FEATURES

- Clear view by wide surface graduation
- Heavy duty model
- Pretty stable for treacherous place such as sand and mud
- Suitable for surveyors who like to minimize a tolerance
- Indian reading is available
- mm graduation on the rear side (ALM-55 / ALM-55E)

SPECIFICATIONS

Model	: 5m x 5sec.	4m x 4sec.
Full closed	: 1,305mm	1,250mm
Weight	: 3.00kg	2.50kg
Graduation	: 5mm/10mm, E	5mm/10mm, E
Circular level	: SB-60	SB-60
Button	: MG-01	MG-01

ACCESSORIES

SB-60 circular bubble, carrying case

CODE NO.	MODEL	REMARKS
011001	ALG-55	5mm/10mm, White
011005	ALG-55Y	5mm/10mm, Yellow
091551	ALG-55E	E graduation, White
091545	ALG-55EB	EB graduation, White
091553	ALG-44	5mm/10mm, White
091554	ALG-44E	E graduation, White
091546	ALG-44EB	EB graduation, White

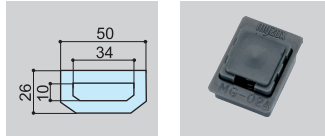
CODE NO.	MODEL	REMARKS
011051	ALM-55	5mm/10mm
091568	ALM-55E	E graduation
-	ALM-55I	Indian graduation
091570	ALM-44	5mm/10mm
091571	ALM-44E	E graduation
217941	ALM-44I	Indian graduation



ALUMINIUM STAFF QUALITY TYPE MST series



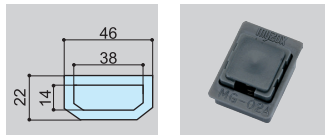
- FEATURES
 - Most popular model
 - Clear and durable graduation print
 - High durability with Extra Top Coating
- SPECIFICATIONS
 - Type : 5m x 5sec.
 - Full closed : 1,245mm
 - Weight : 1.70kg
 - Graduation : 5mm/10mm
 - Circular level : SA-60
 - Button type : MG-02A



CODE NO.	MODEL	REMARKS
217630	MST-55	5mm/10mm, button protection sticker



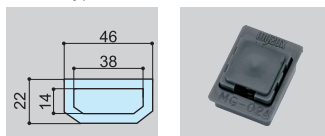
- FEATURES
 - Light weight and high quality
 - Minimum section type
 - High durability with Extra Top Coating
- SPECIFICATIONS
 - Type : 5m x 3sec.
 - Full closed : 1,836mm
 - Weight : 1.56kg
 - Graduation : 5mm/10mm
 - Circular level : SA-60
 - Button type : MG-02A



CODE NO.	MODEL	REMARKS
217631	MST-53	5mm/10mm, button protection sticker



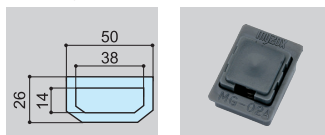
- FEATURES
 - Super light weight and high quality
 - Minimum section type
 - High durability with Extra Top Coating
- SPECIFICATIONS
 - Type : 3m x 3sec.
 - Full closed : 1,146mm
 - Weight : 0.94kg
 - Graduation : 5mm/10mm
 - Circular level : SA-60
 - Button type : MG-02A



CODE NO.	MODEL	REMARKS
217632	MST-33	5mm/10mm, button protection sticker

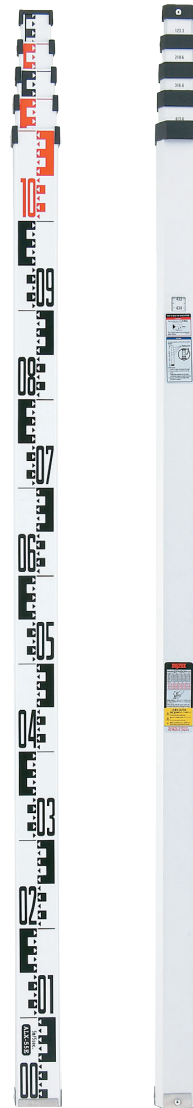


- FEATURES
 - Well-balanced body
 - High quality
 - High durability with Extra Top Coating
- SPECIFICATIONS
 - Type : 5m x 4sec.
 - Full closed : 1,445mm
 - Weight : 1.73kg
 - Graduation : 5mm/10mm
 - Circular level : SA-60
 - Button type : MG-02A



CODE NO.	MODEL	REMARKS
217633	MST-54	5mm/10mm, button protection sticker

ALUMINIUM STAFF COMMERCIAL TYPE ALX series



ALX-55E



SA-60



MG-02A

- FEATURES
 - E graduation with our original tri-mark brings you more accurate measuring (E graduation only)
 - Inner height scale is on back side
 - High cost performance
- SPECIFICATIONS

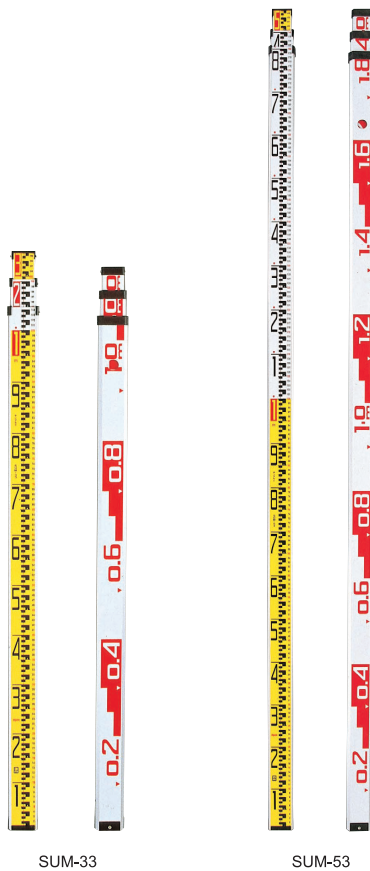
Type	: 5m x 5sec.	4m x 4sec.
Full closed	: 1,235mm	1,195mm
Weight	: 1.50kg	1.40kg
Graduation	: E, 5mm/10mm	E
Circular level	: SA-60	SA-60
Button type	: MG-02A	MG-02A
- OPTION
 - SA-60 circular level
 - Carrying case

CODE NO.	MODEL	REMARKS
217926	ALX-55E	E graduation with trimark, White
217940	ALX-55Y	5mm/10mm, Yellow
217927	ALX-44E	E graduation, White



1	TRIPOD
2	PRISM
3	POLE
4	STAFF
5	GPS
6	SURVEYING INSTRUMENT
7	SURVEYING ACCESSORY
8	MEASURING TOOL
9	TESTING SECURITY

ALUMINIUM STAFF WIDE TYPE SUM series



SUM-33

SUM-53

■ FEATURES

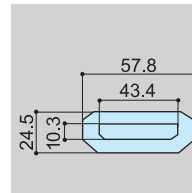
- Clear view by wide surface graduation
- Standard staff for surveyors
- Suitable for long distance measuring
- Robust structure and stainless bottom part

■ SPECIFICATIONS

Model	: 5m x 3sec.	4m x 3sec.	3m x 3sec.
Full closed	: 1,900mm	1,519mm	1,150mm
Weight	: 2.0kg	1.5kg	1.2kg
Graduation	: 5mm/10mm, E	5mm/10mm, E	5mm/10mm, E
Circular level	: SB-60	SB-60	SB-60
Button type	: MG-01	MG-01	MG-01

■ OPTION

- SB-60 circular level
- Carryig case (for SUM-33 / SUM-33E only)



Dimensions



MG-02A



SB-60 (Option)

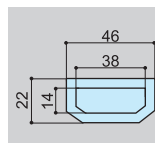
CODE NO.	MODEL	REMARKS
011052	SUM-53	5mm/10mm
091580	SUM-53E	E graduation
915874	SUM-43	5mm/10mm
091588	SUM-43E	E graduation
011053	SUM-33	5mm/10mm
091597	SUM-33E	E graduation

ALUMINIUM STAFF SLIM TYPE SUN series



SUN-33

SUN-53



Dimensions

■ FEATURES

- Light-Weight Standard and easy carry at job site
- Minimum section type
- Stainless bottom part

■ SPECIFICATIONS

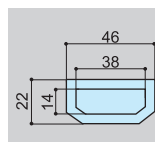
Model	: 5m x 3sec.	3m x 3sec.
Full closed	: 1,836mm	1,146mm
Weight	: 1.56kg	0.94kg
Graduation	: 5/10mm	5/10mm
Circular level	: SA-60	SA-60
Button type	: MG-02A	MG-02A

■ OPTION

- SA-60 circular bubble

CODE NO.	MODEL	REMARKS
011008	SUN-53	5m x 3 sections
011009	SUN-33	3m x 3 sections

ALUMINIUM STAFF LESS SECTION TYPE STN-54



Dimensions

■ FEATURES

- Well-balanced body
- Standard section type
- Stainless bottom part

■ SPECIFICATIONS

Model	: 5m x 4sec.
Full closed	: 1,445mm
Weight	: 1.73kg
Graduation	: 5mm/10mm
Circular level	: SA-60
Button type	: MG-02A

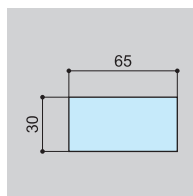
■ OPTION

- SA-60 circular bubble

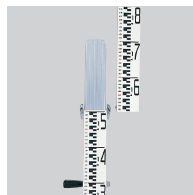
CODE NO.	MODEL	REMARKS
011011	STN-54	5m x 4 sections



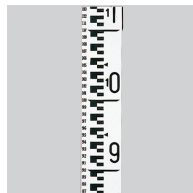
FIBERGLASS FOLDING ROD GPR-351



Dimensions



Stiff and reliable joint



5mm/10mm graduation

*Separated

FEATURES

- Fiberglass precision folding rod
- Easy to carry by breaking down into two sections
- Certified by Geospatial Information Authority of Japan
- 2nd class high precision rod

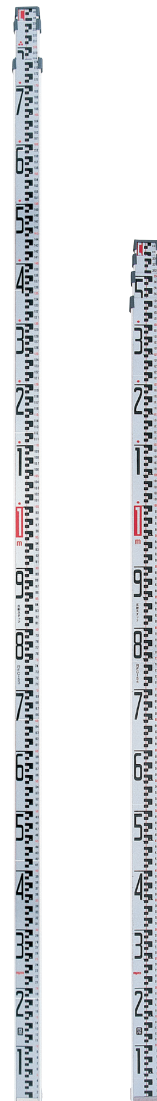
SPECIFICATIONS

Full closed	: 1,500mm
Weight	: 3.75kg
Graduation	: 5mm/10mm
Circular level	: SA-60
Reference	: 3m x 2sections

ACCESSORIES

Carrying case (hard case)

PRISM STAFF RFC series



RFC-53

RFC-54



SA-60



MG-02A

FEATURES

- Reflection by prism sticker
- Suit for cross-sectional surveying
- Easy to read by silver surface

SPECIFICATIONS

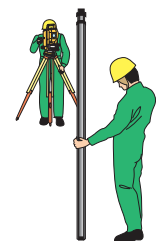
Model	: 5m x 3sec.	5m x 4sec.
Full closed	: 1,836mm	1,445mm
Weight	: 1.57kg	1.74kg
Graduation	: 5mm/10mm	5mm/10mm
Circular level	: SA-60	SA-60
Button type	: MG-02A	MG-02A

ACCESSORIES

Carrying case

OPTION

SA-60 circular bubble



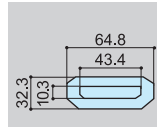
CODE NO.	MODEL	REMARKS
011058	GPR-351	2nd class high precision rod

CODE NO.	MODEL	REMARKS
211101	RFC-53	5m x 3 sections
211102	RFC-54	5m x 4 sections



1	TRIPOD
2	PRISM
3	POLE
4	STAFF
5	GPS
6	SURVEYING INSTRUMENT
7	SURVEYING ACCESSORY
8	MEASURING TOOL
9	TESTING SECURITY

ALUMINIUM STAFF LONG TYPE ALS-74



Dimension

■ FEATURES

- The longest type of MYZOX staff : 7m height
- Easy to read by wide surface
- Heavy duty type and strong
- Carrying case and circular level are available as option

■ SPECIFICATIONS

Model	: 7m x 4sec.
Full closed	: 2,010mm
Weight	: 3.20kg
Graduation	: 5/10mm
Circular Level	: SB-60 (as option)
Button	: MG-01

■ OPTION

Carrying case, SB-60 circular level

CODE NO.	MODEL	REMARKS
011201	ALS-74	7m x 4sections

BIPOD FOR STAVES PFS



■ FEATURES

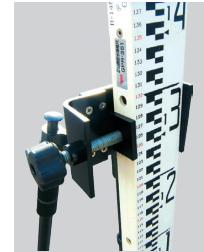
- Light but tough body
- Push release makes fine adjustment easily
- Rubber on the bottom absorb the shock

■ SPECIFICATIONS

Full extended	: 1,850mm
Full closed	: 1,100mm
Weight	: 2.4kg
Fixturable staff width	: 60 ~ 100mm

■ ACCESSORIES

Carrying case



CODE NO.	MODEL	REMARKS
218905	PFS	Aluminium

CIRCULAR LEVELS FOR STAVES



SA-60



SB-60



SC-40



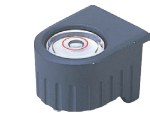
RL-60T



RL-60



RL-40TS



■ FEATURES

- To hold staves in a vertical position
- Variety of line-up
- Many types of attach method
- Working with Rod (RL-60)

■ SPECIFICATIONS

Model	: SA-60
Sensitivity of bubble	: 60' / 2mm
Suitable for	: ALG / SUN / STN / MST series

Model	: SB-60
Sensitivity of bubble	: 60' / 2mm
Suitable for	: ALM / SUM / ALS series

Model	: SC-40
Sensitivity of bubble	: 40' / 2mm
Suitable for	: ALG / STN / MST / RFC / SWG series

Model	: RL-60T
Sensitivity of bubble	: 60' / 2mm
Suitable for	: All staves & poles

Model	: RL-60
Sensitivity of bubble	: 60' / 2mm
Suitable for	: All staves

Model	: RL-40TS
Sensitivity of bubble	: 40' / 2mm
Suitable for	: All staves, poles & DM pin poles

CODE NO.	MODEL	REMARKS
111114	SA-60	60'/2mm
111115	SB-60	60'/2mm
210100	SC-40	40'/2mm
217353	RL-60T	60'/2mm
111113	RL-60	60'/2mm
218860	RL-40TS	40'/2mm



ROUND BUTTON MG-01



- FEATURES
 - Round button for heavy-duty models
- SPECIFICATIONS
 - Applied staff : ALM / SUM / ALS

CODE NO.	MODEL	REMARKS
000014	MG-01	Round

SQUARE BUTTON MG-02A



- FEATURES
 - Tight lock by square button
- SPECIFICATIONS
 - Applied staff : MST / ALG / SUN STN / RFC / ALX

CODE NO.	MODEL	REMARKS
000015	MG-02A	Square

GROUND PLATE GP series



GP-A



GP-C

- FEATURES
 - Stable foundation
 - Easy to put a staff on the top part
 - Shoes hold even muddy ground
- SPECIFICATIONS
 - Model : GP-A GP-C
 - Weight : 0.5kg 4.1kg

CODE NO.	MODEL	REMARKS
102231	GP-A	Economical model
210406	GP-C	Heavy-duty type
218924	GP-CP	Shoe for GP-C (made of ceramic)

STAFF CASE AS01S



- FEATURES
 - Easy to carry a staff
 - To protect a staff from damage
 - Up to 1,245mm length staff is available
 - The bottom part of high durability
 - Outside pocket for circular bubble
 - With one shoulder strap to carry
- SPECIFICATIONS
 - Length : 1,330mm
 - Weight : 60g

CODE NO.	MODEL	REMARKS
219322	AS01S	ALG/SUM CASE

STAFF PROP STICK FOR ACCURATE SURVEYING SKS series



SKS-160

SKS-170

- FEATURES
 - Useful to support staves in precise leveling
 - Shoe on the top is changable
 - Eye-catching by red-yellow intervals painting
 - Rubber top helps your grasp
- SPECIFICATIONS
 - Model : SKS-160 SKS-170
 - Dimension : 16dia. x 1,600mm 16dia. x 1,700mm

CODE NO.	MODEL	REMARKS
218473	SKS-160	1,600mm
218474	SKS-170	1,700mm
218475	SKS-IS	Shoe
218476	SKS-Set	SKS-160 & SKS-170 & SKS-IS x 2

ALUMINIUM DISPLAY STAND MSS-03



* No products included

- FEATURES
 - Good for display use in a shop
 - Convenient for storing something long like staff and rod
 - Available to hang products on the hook
 - Easy to organize a lot of items
- SPECIFICATIONS
 - Wide : 295mm
 - Length : 375mm
 - Height : 1,610mm

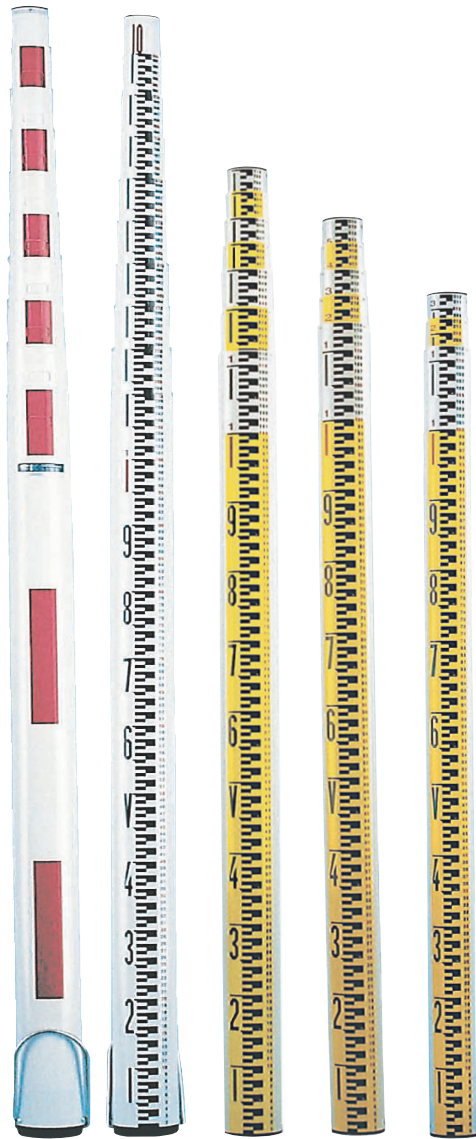
CODE NO.	MODEL	REMARKS
217259	MSS-03	Accessory : Hook x 16pcs



1 TRIPOD
2 PRISM
3 POLE
4 STAFF
5 GPS
6 SURVEYING INSTRUMENT
7 SURVEYING ACCESSORY
8 MEASURING TOOL
9 TESTING SECURITY

STAFF

FIBERGLASS STAFF GFS series



FEATURES

- Non-conductive fiberglass staff
- Easy to hold by round shape
- High corrosion resistance
- Light, compact and portable
- High tolerant of temperature change (-50 ~ +120 degree C)

SPECIFICATIONS

Model	5m x 5sec.	7m x 7sec.	10m x 10sec.
Full closed	: 1,300mm	1,410mm	1,700mm
Weight	: 1.32kg	1.98kg	3.5kg
Graduation	: 5mm/10mm	5mm/10mm	5mm/10mm
Circular level	: RL-60T	RL-60T	RL-60T

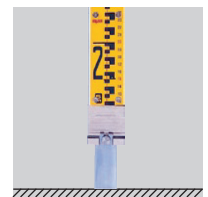
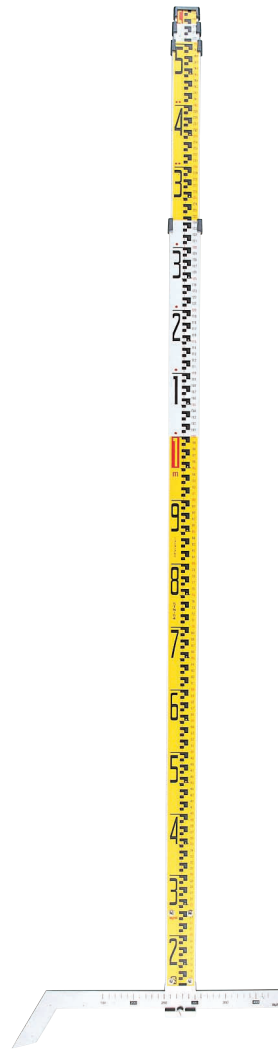


RL-60T



* Tip of the top section includes a 5/8x11 female threaded hole suitable for attaching a mini-prism

DRAIN STAFF SWG series



SWG-ADP



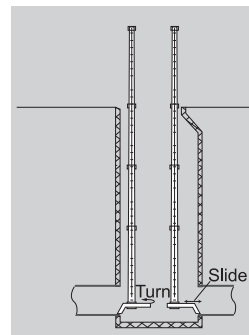
RL-60T

FEATURES

- Easy to measure the depth of a drain
- Arm can be adjusted to fit to diameter of a manhole (150mm~450mm)
- Useful as a staff also by attaching an adaptor

SPECIFICATIONS

Model	: 5m x 4sections
Full closed	: 1,360mm
Weight	: 2.7kg



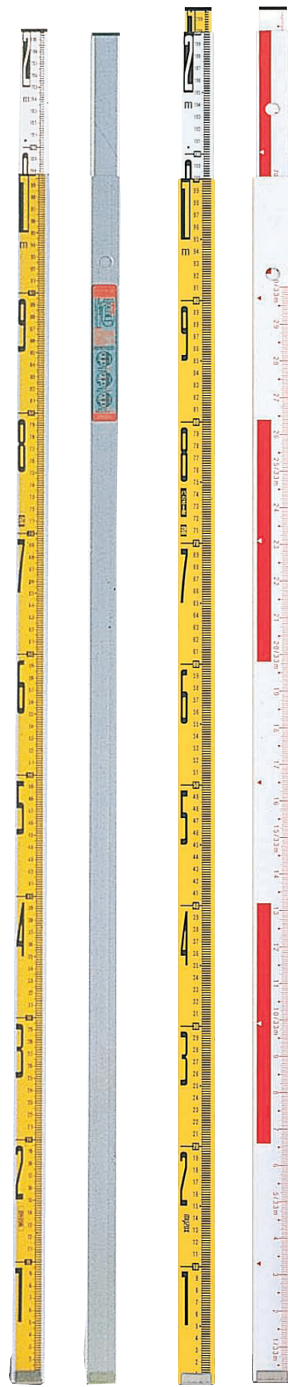
* Standard accessory is 50cm arm. 25cm arm is an option.

CODE NO.	MODEL	REMARKS
011101	GFS-55	5m x 5 sections
011102	GFS-77	7m x 7 sections
011103	GFS-1010	10m x 10 sections

CODE NO.	MODEL	REMARKS
210101	SWG-54	5m x 4 sections
217691	SWG-ARM25	Arm (25cm)
210407	SWG-ADP	Adaptor

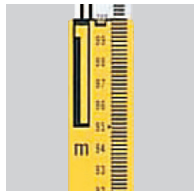


SIMPLE STAFF MTR series

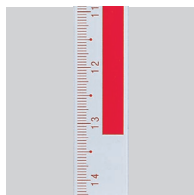


MTR-22

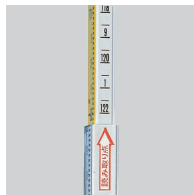
MTR-33



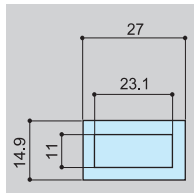
Front graduation



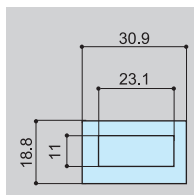
Back graduation



Side graduation



Dimension (MTR-22)



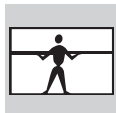
Dimension (MTR-33)

■ FEATURES

- Simple but all uses
- Suitable for measuring inside dimension
- 10/33mm scale on the reverse (MTR-33)

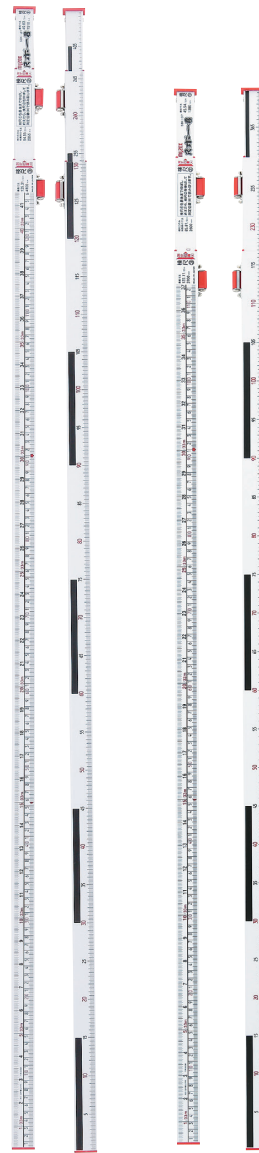
■ SPECIFICATIONS

Model	2m x 2sec.	3m x 3sec.
Full extended	: 2,000mm	3,040mm
Full closed	: 1,120mm	1,140mm
Weight	: 0.5kg	0.8kg
Graduation	: Metric	Metric



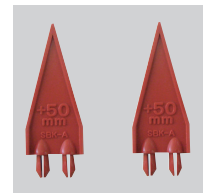
* How to measure inside dimension

SIMPLE STAFF QUICK LOCK TYPE SBK series



SBK-41

SBK-37



Adaptor for brace



One-touch lock system

■ FEATURES

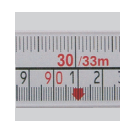
- Multiuse aluminium sliding scale
- Suitable for measuring the inside dimensions & ceiling height
- One-touch lock system
- Easy to measure brace with adaptors on the tops
- Three types graduation

■ SPECIFICATIONS

Model	SBK-41	SBK-37
Full extended	: 4,100mm	3,700mm
Full closed	: 1,510mm	1,380mm
Weight	: 860g	800g
Accessory	: Brace Adaptor	Brace Adaptor
Graduation	: Metric	Metric
	10mm/33mm	10mm/33mm
	15cm guide	15cm guide



*Measuring inside dimension



Front graduation (10/33mm,mm)



Back graduation (mm)

CODE NO.	MODEL	REMARKS
011036	MTR-22	2m x 2 sections
011037	MTR-33	3m x 3 sections

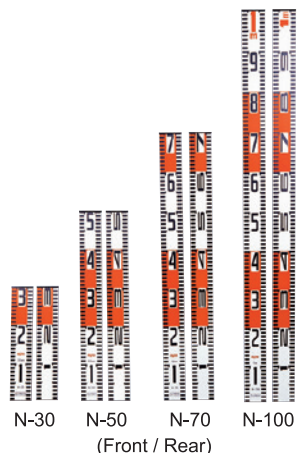
CODE NO.	MODEL	REMARKS
217992	SBK-41	10mm/33mm, 15mm guide
217993	SBK-37	10mm/33mm, 15mm guide



1	TRIPOD
2	PRISM
3	POLE
4	STAFF
5	GPS
6	SURVEYING INSTRUMENT
7	SURVEYING ACCESSORY
8	MEASURING TOOL
9	TESTING SECURITY

TRIPOD 1
PRISM 2
POLE 3
STAFF 4
GPS 5
SURVEYING INSTRUMENT 6
SURVEYING ACCESSORY 7
MEASURING TOOL 8
TESTING SECURITY 9

ALUMINIUM PHOTO ROD N series



■ SAMPLE OF USE







■ FEATURES

- Clear reading by large size indication number
- Both number reading available in vertical & horizontal way on rear & front
- Light weight and easy carry
- Cross way reading is available with 2 rods and joint product (K-type joint)
- 7 types of length are available (30cm to 200cm)

■ SPECIFICATIONS

Material : Aluminium
Width : 60mm
Thickness : 6mm

■ OPTIONAL ACCESSORY

	K-type joint Joints of photo rod for cross using		RS-B Photo rod stand with pin poles (page 39)
	PK-1 Vivid colors clip indicates the point		RS-A Photo rod stand 2 pcs/pack

CODE NO.	MODEL	REMARKS
021012	N-30	30cm / 113g
021011	N-50	50cm / 183g
021010	N-70	70cm / 260g
021009	N-100	100cm / 360g

CODE NO.	MODEL	REMARKS
021013	N-110	110cm / 407g
021008	N-150	150cm / 533g
021014	N-200	200cm / 689g

MAGNETIC JOINT FOR PHOTO ROD MP series



MP-K
(with K-type joint)



MP



■ FEATURES

- Easy to set to the rebar by magnet
- Groove on the rear side fit to the rebar
- Good for taking photos on pitch sizes of rebar

■ SPECIFICATIONS

Material : Magnet and plastic
Weight : MP-K 189g
MP 56g
Adapted rebar size : D10 - S25

■ RELATED PRODUCT

Rebar marker (6 colors)



CODE NO.	MODEL	REMARKS
219020	MP-K	MP & K-type joint
219021	MP	-

ROD STAND KS



■ FEATURES

- Stand for photo rod N & F series
- Heavy weight on bottom
- Long type photo rod can stand stably

■ SPECIFICATIONS

Weight : 942g

* This stand is for N & F series phot rod

CODE NO.	MODEL	REMARKS
021050	KS	Weight 942g

ROD STAND RS-C



■ FEATURES

- Support stand for photo rod N series
- Easy joint with photo rod & pin pole

■ SPECIFICATIONS

Material : Plastic
Hole size : 3 to 6mm dia.

■ SAMPLE OF USE



CODE NO.	MODEL	REMARKS
217253	RS-C	Weight 45g / 2 pcs per pack

