



NESTLE CATALOGUE

SURVEY | CONSTRUCTION | FORESTRY





WELCOME TO OUR WORLD!



WELCOME TO GOTTLIEB NESTLE GmbH!

Our ultimate goal is for you, our customer and partner, to be the best, following our motto:
MEASURE WITH THE BEST!

Thanks to your trust, we have developed from a traditional medium-sized company into one of the leading European providers of surveying technology products in the fields of surveying, construction and forestry.

Everything we do, we do with passion!

In this edition of our main catalogue, you will find our proven, high-quality products with innovative details and novelties. Have a look. All products are based on our competence and experience, which you can rely on at any time.

We look forward to seeing you!

Warm regards from the Black Forest


Andreas Kern and team



Andreas Kern
Head of Marketing and
Sales



PRODUCTS | MEASURING WHEELS



PRODUCTS | MEASURING WHEELS



Measuring wheel MR-52
PRECISION MODEL WITH TRACK GUIDE

6



Measuring wheels
PRECISION STEEL

7



Measuring wheel MR-21
PRECISION FROM ALUMINIUM | STEEL

8



MR-Mini Standard
FOR ESTIMATION MEASUREMENTS

9



RT-08 economy
SPOKE WHEEL FROM PLASTIC

10

NESTLE MEASURING WHEEL MR-52 TRACK-SET



PRECISION OVER LONG DISTANCES ON RAILS

12045001

Measuring wheel for road and track construction.
 For official use, a version with an official TAB__declaration of conformity (formerly referred to as calibration) is optionally available.
 Counter also counts backwards; subtractions are possible.
 Reset lever directly next to the counter enables a quick Reset.
 Stable and generous storage hook, easy to fold backwards.
 Integrated brake prevents unintended distortion of the measurement result.
 Foldable guide rod.
 Stable solid steel wheel holds the measuring wheel securely in track and ensures maximum running smoothness.
 Running rubber is ground to exactly 318,5 mm diameter.
 The frames of our measuring wheels are robot-welded and thus guarantee consistent quality over many years and extreme robustness.
 Suitable for rail measurement.

NESTLE measuring wheels are always "made in Germany".



YOUR ADVANTAGES IN APPLICATION

Suitable for various track radii during rail measurement.
 Due to high-quality production, our measuring wheels often serving for decades in harsh daily use.
 Each measuring wheel includes a quality certificate test sticker indicating the wheel tolerance. This is only available on measuring wheels from Gottlieb Nestle!



Technical data	Measuring wheel MR-52
Running wheel	Art.-No. 12045001: Full wheel
Measuring range	9999,99 m / cm reading
Resolution	0,01 m
Impeller - diameter	318,5 mm
Wheel circumference	1,00 m
Tolerance	<0,02%
Weight	4.700 g
Colour	red RAL 3020
Additional for official use	Art. No. 70100120



Inspection sticker

ACCESSORIES

- Carrying case for NESTLE measuring wheel including: Item No. 12900000.
- Track guide including: Item No. 12902000.



MEASURING WHEELS - PRECISION MODELS

Our precision models for exact measurements.
 Measuring wheels for road and track construction.
 For official use, an optional version with an official certificate of conformity (formerly referred to as calibration) is available.
 Counter also counts backwards, subtractions are possible.
 Zeroing lever directly next to the counter enables a fast reset.
 Stable and generous mounting bracket, easy to fold back out.
 Integrated brake prevents unintended distortion of the measurement result.
 Foldable guide rod.
 Stable solid disc wheel or spoked wheel made of die-cast aluminium keeps the measuring wheel securely in the track and ensures maximum running smoothness.
 Running rubber is ground to an exact 318,5 mm diameter.
 The frames of our measuring wheels are robot-welded and thus provide consistent quality over years and utmost robustness.
 Available in solid disc or spoked wheel design.

NESTLE measuring wheels are always "made in Germany".

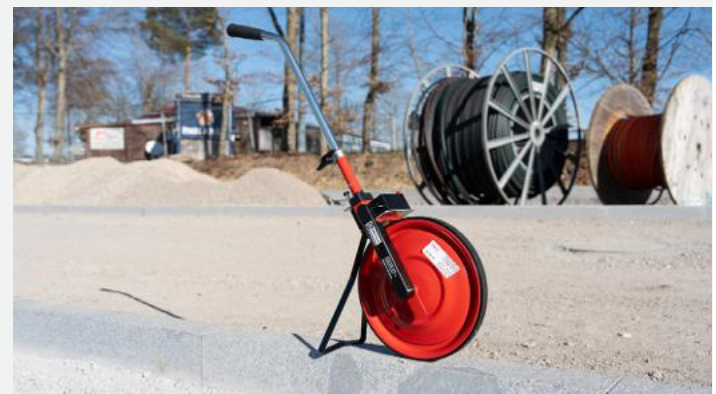
YOUR APPLICATION BENEFITS

Precise and yet easy to handle.
 Due to high-quality production, our measuring wheels often serve for decades in demanding daily use.
 As a quality certificate, every measuring wheel includes a test sticker indicating the wheel's tolerance. This is available only with measuring wheels from Gottlieb Nestle!

Technical data	Measuring wheels MR-51 MR-41
Running wheel	Part no. 12038001: Full wheel Part no. 12040001: Spoked wheel
Measuring range	9999,99 m / cm reading
Resolution	0,01 m
Impeller - diameter	318,5 mm
Wheel circumference	1,00 m
Tolerance	<0,02 %
Weight	Art.-No. 12038001: 4.400 g Art.-No. 12040001: 3.400 g
Colour	Red, RAL 3020
Additional for official use	Art. No. 70100120

ACCESSORIES

Available as accessories for the measuring wheels:
 Carrying bag Art. No. 12901001.
 For spoke wheel 12040001, the carrying bag is incl.
 Trying case Art. No. 12900000.



PRECISION MODEL WITH FOLDABLE ALU GUIDE ROD

12003001

Measuring wheels are used for measuring distances on level ground. It is rolled along the measuring path while holding a guide pole. The distance travelled is displayed via a counter. Typical application areas are: official use, road and track construction, agriculture and forestry, landscaping, and anywhere distance measurements over medium to long distances are required.

The NESTLE measuring wheel MR-21 is equipped with a foldable aluminium guide pole and a spoked wheel. The quality counter records distances in the direction of travel and subtracts in the opposite direction. The MR-21 measuring wheel also offers a stand bracket and an integrated brake.

NESTLE measuring wheels are always "Made in Germany".



YOUR ADVANTAGES IN APPLICATION

Quality counter mounted above the measuring wheel, easily readable from the standing position.

Counter also counts backwards; subtractions are possible.

Reset lever directly next to the counter enables quick resetting.

Running rubber is ground to exactly 318,5 mm diameter.

Highest precision <0,02% certified with test sticker.

The frames of our measuring wheels are robot-welded, thus ensuring consistent quality and extreme robustness for years.



Technical data	Measuring wheel MR-21
Running wheel	Spoked wheel
Measuring range	9999,99 m / cm reading
Resolution	0,01 m
Impeller diameter	318,5 mm
Wheel circumference	1,00 m
Tolerance	<0,02%
Weight	2.950 g
Colour	Red, RAL 3020

FEATURES

- Carrying bag for NESTLE measuring wheel including: Art.-No. 12901001.



NESTLE MEASURING WHEEL MR-MINI



SIMPLE DISTANCE MEASUREMENTS OVER LONG DISTANCES

12042001

For distance measurements on construction sites and in suitable for road construction.

The measuring wheel 12042001 is particularly suitable if a display in dm and a tolerance of 0,1% are sufficient.

Counter also counts backwards; subtractions are possible.

Zero setting wheel directly next to the counter enables a quick reset.

Integrated brake prevents unintended distortion of the measuring result.

Foldable guide rod facilitates transport.

Stable solid disc wheel keeps the measuring wheel securely in track and ensures maximum running smoothness.

Running rubber is ground to exactly 160 mm diameter.

The frames of our measuring wheels are robot-welded and thus ensure consistent quality over years and extreme robustness.

NESTLE measuring wheels are always "Made in Germany".



YOUR APPLICATION BENEFITS

Extremely easy handling.

Space-saving transport due to small dimensions.

Due to high-quality production, our measuring wheels often serve for decades in harsh daily use.



Technical data	Measuring wheel MR-MINI
Running wheel	Full wheel
Measuring range	9.999,9 m / dm reading
Resolution	0,1 m
Impeller diameter	160 mm
Wheel circumference	50 cm
Tolerance	0,1 %
Weight	1.800 g
Colour	Red, RAL 3020
Verifiability	No



ACCESSORIES

Carrying bag for NESTLE measuring wheel MR-MINI: Art.-No. 12903000.



WITH FOLDING GUIDE ROD

12043001

The NESTLE RT-08 measuring wheel is a measuring wheel for simple distance measurements developed for demanding use off-road and on construction sites. Its robust plastic wheel enables precise measurements even on uneven ground such as gravel, grass or paving. The compact folding function reduces the transport size to just 53 cm ideal for quick changes between construction sites, external appointments or the office. The comfortable carrying handle on the joint and the included backpack provide additional ease of transport perfect for all those working mobile and flexibly.

The ergonomically shaped revolver grip sits comfortably in the hand and allows efficient operation without tedious bending or repositioning, thanks to the integrated zero and stop buttons. Due to the low-maintenance gear rod instead of a classic belt drive the RT-08 offers lasting reliability even with intensive daily use. Whether area surveying, road construction or landscape planning: the RT-08 in the entry class stands for thoughtful design, technical quality and practical solutions all in proven NESTLE quality.



YOUR ADVANTAGES IN APPLICATION

Ergonomic design: The revolver grip ensures the tachometer lies comfortably in the hand. The zero and stop buttons are integrated directly into the grip for greater efficiency and ergonomics in daily work.

Compact: Thanks to the folding function, carrying handle and rucksack, the RT-08 is easy and flexible to transport.

Reliable: Power transmission is via a drive shaft - a reliable alternative to the proven belt drive.

For all RT models: Entry-level quality at professional level robust, well-thought-out and practical.



Technical data	Measuring wheels - precision models
Running wheel	Spoked wheel
Measuring range	9999,99 m / dm reading
Resolution	0,1 m
Impeller diameter	318,5 mm
Wheel circumference	1,00 m
Weight	1.700 g
Colour	Black / red

ACCESSORIES

- Rucksack for NESTLE rolling tachometer RT-08 included



PRODUCTS | TRIPODS





Aluminium tripods
LIGHTWEIGHT DESIGN

14



Aluminium tripods
LIGHTWEIGHT QUALITY DESIGN

16



Aluminium tripods
MEDIUM-WEIGHT QUALITY VERSION

17



Aluminium tripod
HEAVY QUALITY DESIGN

18



Telescopic tripod
LIGHTWEIGHT DESIGN,
SELF-LOCKING

19



Crank tripods
MEDIUM-DUTY VERSION,
SELF-LOCKING

20



Crank tripod
HEAVY-DUTY VERSION,
SELF-LOCKING

21



Manhole tripod
2-WAY SET

23



WOOD
MEDIUM-HEAVY TRIPODS

27



Wooden tripods
FURTHER VERSIONS

28



Carbon tripods
PARTICULARLY LIGHTWEIGHT

33



Heavy-duty tripod
HEAVY CONSTRUCTION

35



NESTLE Stative
TRIPOD ACCESSORIES

36



Photo tripods
EASIEST OPERATION

37

LIGHTWEIGHT DESIGN

13000000

The lightweight 13000000 is specifically suitable for simple levelling measurements where the location often has to be changed quickly. Quick locking with eccentric clamps.

With the patented continuous clamping band, the clamping acts on both the outer tubes and the central profile. In every extension position of the tripod, a constant clamping force is thus achieved.

For our tubes and central profiles, we only use high-quality aluminium. The aluminium parts are anodised and thus extremely weatherproof.

The aluminium tubes glide easily and smoothly without jamming, the material is preserved and the service life of the pole is extended.

Head made of glass-fibre reinforced plastic. As a special feature, our levelling tripod has a spirit level integrated into the tripod head for fast and secure setup.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This makes them stand out significantly from the competition in terms of their usability.

YOUR ADVANTAGES IN APPLICATION

The particularly lightweight tripod is easy to transport and set up without effort.

The spiked feet with plastic tips are also ideal for levelling measurements indoors.

Technical data	Lightweight aluminium tripod
Head	Flat, with circular spirit level
Working accuracy at 1 m peak distance	90 170 cm
Transport length	105 cm
Clamping	Eccentric, circumferential
Weight	2.200 g
Connection	5/8
Scope of application	Construction spirit levels

FEATURES

Plastic spiked feet - also for indoor use.

Spirit level in tripod head.



LIGHTWEIGHT DESIGN

13001000

Telescopic tripod for lightweight laser devices or laser distance meters in conjunction with the NESTLE Pythagoras adapter.

The tripod features a 5/8" connection and is supplied incl. a 1/4" adapter.

Set up the tripod and simply extend the telescopic segment to the desired height and fix it.

With the patented continuous clamping band, clamping acts on both the outer tubes and the central profile. In every extension position of the tripod, a constant clamping force is thus maintained.

We use exclusively high-quality aluminium for our tubes and central profiles. The aluminium parts are anodised and thus extremely wear-resistant.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This makes the tripods stand out significantly from the competition in terms of their usability.



YOUR ADVANTAGES IN APPLICATION

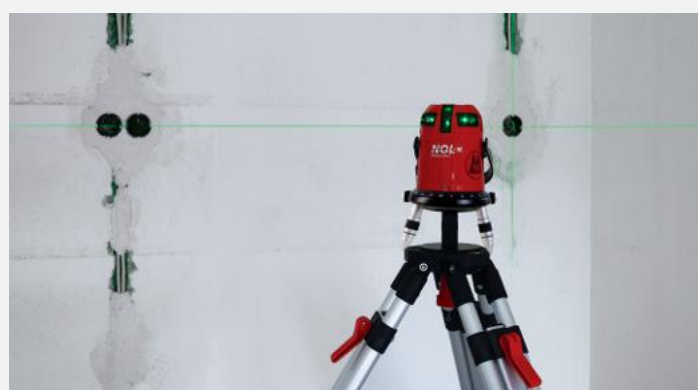
Lightweight and easy to transport.

Superior ease of use.

Best quality in workmanship and material, therefore suitable for many years of the toughest use.



Technical data	Telescopic tripod
Operating error at 1 m peak deviation	77 190 cm
Transport length	99 cm
Clamping	Eccentric
Weight	2.700 g
Connection	5/8 / 1/4
Scope of application	lightweight laser devices, rangefinders
Telescopic stroke	58 cm



FEATURES

Including 1/4" adapter, item no. 13923000



LIGHTWEIGHT QUALITY VERSION | SHORT VERSION

13112001

13105000

The lightweight 13112001 is specifically suitable for levelling measurements, where the location often needs to be changed quickly.

Quick locking with ergonomically designed eccentric clamps. Easy operation of the tripod is guaranteed even with gloves.

With the patented continuous clamping band, the clamping acts on both the outer tubes and the central profile. In every extension position of the tripod, a constant clamping force is thus achieved.

For our tubes and central profiles, we only use high-quality aluminium. The aluminium parts are anodised and thus extremely weatherproof.

The aluminium tubes glide smoothly and easily without jamming, preserving the material and extending the tripod's service life.

Head made of glass-fibre reinforced plastic.

As a special feature, our levelling tripod has a spirit level integrated into the tripod head for fast and secure setup.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This clearly sets them apart from the competition in terms of usability

Sturdy foot for the toughest use.



YOUR ADVANTAGES IN APPLICATION

Outstanding ease of use.

Best quality in workmanship and material, making it suitable for many years of the toughest use.



Technical data	13112001	13105000
Head	Flat, with circular spirit level	Flat, with circular spirit level
Operating error at 1 m peak deviation	90 170 cm	44 57 cm
Transport length	106 cm	55 cm
Clamping	Eccentric, peripheral	Eccentric, circumferential
Weight	3.100 g	1.800 g
Connection	5/8	5/8
Scope of application	Level	

FEATURES

spirit level in tripod head.

MEDIUM-DUTY QUALITY VERSION

Medium-duty tripods are specifically suitable for work with levels, lightweight rotary lasers and theodolites.

The circular head plate (13103000) facilitates positioning the level or theodolite over a specific ground point.

Quick locking with ergonomically designed eccentric clamps. Easy operation of the tripod is even guaranteed while wearing gloves. With the patented continuous clamping band, the clamping acts on both the outer tubes and the central profile. In every extension position of the tripod, a constant clamping force is achieved.

We use only high-quality aluminium for our tubes and central profiles. The aluminium parts are anodised and thus extremely weatherproof.

The aluminium tubes glide smoothly and easily without jamming, protecting the material and extending the tripod's service life.

The central tightening screw in the head is adjustable.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This makes them stand out significantly from the competition in terms of usability

Stable footwear for the toughest use.



13102000

13103000

13104000

YOUR ADVANTAGES IN APPLICATION

Superior ease of use.

Best quality in workmanship and material, therefore suitable for long-term, toughest use.

Also suitable for theodolites.



13102000

13103000

Technical data 13102000 / ...3000...4000

Head

Art.-Nr. 13102000 flat, triangular

Art.-Nr. 13103000 flat, round

Art.-Nr. 13104000 Ball head

Operating error at 1 m peak deviation 90 170 cm

Transport length 106 cm

Clamping Eccentric, peripheral

Weight 3.700 g / 3.900 g

Connection 5/8

FEATURES

Foot tread made of glass-fibre reinforced polyamide with metal tip.



13104000



HEAVY-DUTY QUALITY VERSION | STANDARD HEAD PLATE

13107000

Quick locking with ergonomically designed eccentric clamps. Easy operation of the tripod is guaranteed even when wearing gloves. The patented continuous clamping band ensures that clamping acts on both the outer tubes and the central profile. In every extension position of the tripod, a constant clamping force is maintained. We only use high-quality aluminium for our tubes and central profiles. The aluminium parts are anodised and thus extremely weather-resistant. The aluminium tubes glide smoothly without jamming, protecting the material and extending the lifespan of the tripod. The central tightening screw in the head is adjustable. Stable aluminium foot for the most demanding use.



YOUR ADVANTAGES IN APPLICATION

The NESTLE aluminium tripod is the ideal solution for work with levelling, rotary lasers, theodolites and construction total stations with setup heights of 95 cm to 170 cm.

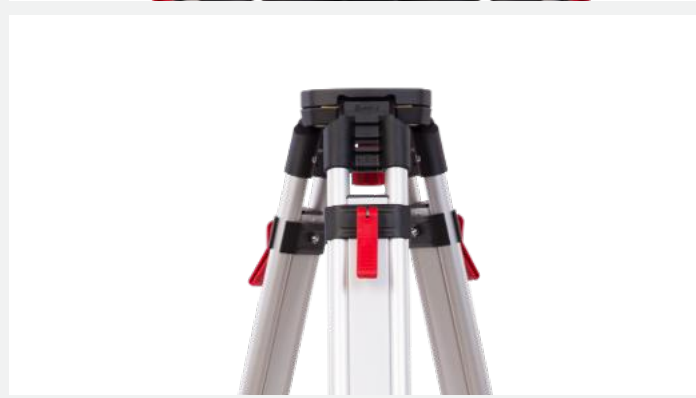
The high-quality workmanship of the stable aluminium construction ensures enormous durability.

A secure stand is guaranteed due to the ideal weight ratio.

Best quality in workmanship and material, making it suitable for long-term, most demanding use.



Technical data	Heavy aluminium tripod
Head	flat, triangular
Operating error at 1 m peak deviation	95 170 cm
Transport length	109 cm
Clamping	Eccentric, peripheral
Weight	4.500 g
Connection	5/8
Scope of application	Levels, rotary lasers, theodolites, construction total stations



FEATURES

Aluminium foot.

Suitable for all surveying instruments.



LIGHTWEIGHT DESIGN, SELF-LOCKING

13200000

Our lightweight crank tripod is suitable for small to medium-sized laser devices.

With the help of the 35 cm crank stroke, a specific height can be reached very precisely. Due to the double reduction (crank stroke per revolution 1,2 cm), the crank can also be moved easily even with heavy laser devices.

Patented multifunction head with spread stop and integrated spirit level.

The self-locking mechanism prevents the crank drive from giving way and thus the collapsing of the tube. The once selected height is maintained even during vibrations.

Quick locking with ergonomically designed eccentric clamps. Even with gloves, easy operation of the tripod is guaranteed.

With the patented continuous clamping band, the clamping acts on both the outer tubes and the central profile. In every extension position of the tripod, a constant clamping force is achieved.

For our tubes and central profiles, we only use high-quality aluminium. The aluminium parts are anodised and thus extremely weatherproof.

The aluminium tubes glide easily and smoothly without jamming, the material is protected and the service life of the tripod is extended.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This clearly distinguishes them in their usability from the competition.

Stable footwear for the toughest use.

YOUR ADVANTAGES IN APPLICATION

Easy to use, versatile in application.

Best quality in workmanship and material, therefore suitable for long-term, toughest use.

Technical data	Crank tripod, lightweight
Operating error at 1 m peak deviation	58 130 cm
Transport length	72 cm
Clamping	Eccentric, peripheral
Weight	3.000 g
Connection	5/8
Crank stroke	35 cm

ACCESSORIES

You can find further crank tripods in various versions on page 20.



MEDIUM-DUTY QUALITY VERSION, SELF-LOCKING

Our medium-duty crank tripods are suitable for small to medium-sized laser devices.

With the help of the 35cm crank stroke, a specific height can be reached very precisely. Due to the double reduction (crank stroke per revolution 1,2 cm), the crank can also be moved easily even with heavy laser devices.

Model 13403000: Using the supplied extension, a max. height of 290 cm can be reached.

Models 13400000 and 13401000 feature a patented circumferential clamping band. The clamping acts on both the outer tubes and the central profile. This ensures a constant clamping force in every extension position of the tripod.

Model 13402000 features double side clamping for maximum clamping force. The patented side clamping acts in the direction of force without redirecting it. Tripod play is minimised by the double clamping - ideal for large working heights.

If required, rubber caps can be folded over the tips of the tripod legs, enabling secure setup on smooth surfaces while simultaneously protecting sensitive floors such as parquet or tiles during indoor work.

We only use high-quality aluminium for our tubes and central profiles. The aluminium parts are anodised and thus extremely weatherproof.

The aluminium tubes glide easily and smoothly without jamming, preserving the material and extending the tripod's service life.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This makes them stand out significantly in usability from the competition.

Sturdy foot for the toughest use.

YOUR ADVANTAGES IN APPLICATION

Millimetre-precise and convenient adjustment of working height with the crank
Excellent ease of use.

Best quality in workmanship and material, making it suitable for long-term, toughest use.

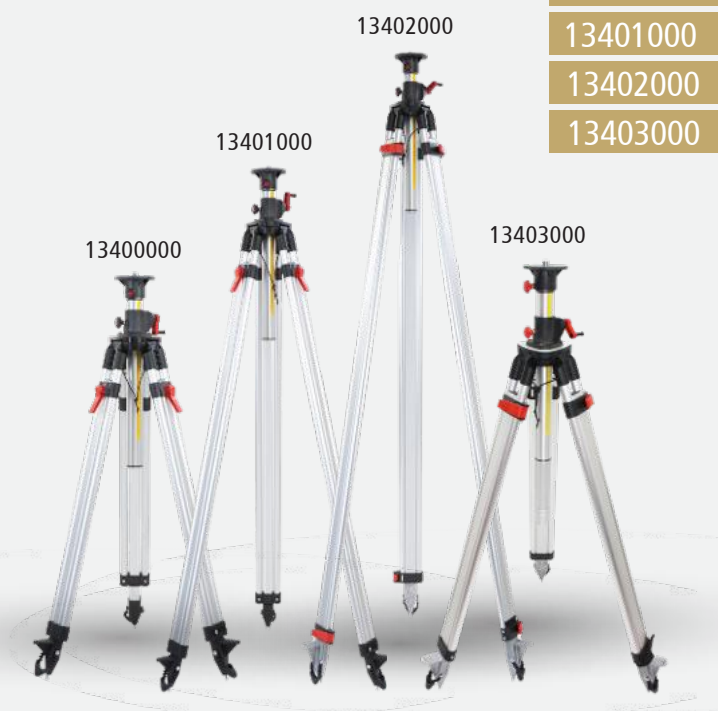
Technical data Medium-weight crank tripods

Art.-No. 13400000	Transport dimension: 109 cm
Work report at 1 m peak deviation	90 197 cm
Weight	4.100 g
Item no. 13401000	Transport dimension: 161 cm
Work report at 1 m peak deviation	150 300 cm
Weight	5.200 g
Item no. 13402000	Transport dimension: 209 cm
Work report at 1 m peak deviation	200 394 cm
Weight	7.400 g
Item no. 13403000	Transport size: 127 cm
Work report at 1 m peak deviation	105 290 cm
Weight	5.600 g
Crank stroke all models	35 cm
Connection	5/8

FEATURES

Side clamping on model 13402000.

Model 13403000: The extension can be screwed into the bottom of the crank bar for transport and storage, meaning it can neither be forgotten nor lost.



HEAVY-DUTY QUALITY VERSION, SELF-LOCKING

Our heavy crank tripods are ideally suited for heavy laser devices

With the help of the 35 cm crank stroke, a specific height can be reached very precisely. Due to the reduction (crank stroke per revolution 0,7 cm), the crank can also be moved easily and without effort even with heavy laser devices

The heavy crank tripods 13501000 and 13502000 feature a patented double side clamping for maximum clamping force. The side clamping acts in the direction of force without redirecting the force. Tripod play is minimised by the double clamping - ideal for large working heights.

If required, rubber caps can be fitted over the tips of the tripod legs, enabling secure setup on smooth surfaces while simultaneously protecting sensitive floors such as parquet or tiles during indoor work.

For our tubes and middle profiles, we only use high-quality aluminium. The aluminium parts are anodised and thus extremely weatherproof.

The aluminium tubes slide easily and smoothly without jamming; the material is protected and the service life of the tripod is extended.

The plastic parts are made of glass-fibre reinforced polyamide and are thus

extremely robust. This makes them stand out significantly from the competition in terms of usability

. Stable footwear for the toughest use.

YOUR ADVANTAGES IN APPLICATION

Effortless operation of the crank tripod even with heavy laser devices.

Millimetre-precise and easy adjustment of the working height using the crank.

Excellent ease of use.

Best quality in workmanship and material, making it suitable for long-term, toughest use.

Technical data	Crank tripods, heavy duty
Item no. 13500000	Transport dimension: 109 cm
Working accuracy at 1 m peak distance	90 188 cm
Weight	5.400 g
Item No. 13501000	Transport dimension: 161 cm
Work report at 1 m peak deviation	150 295 cm
Weight	6.900 g
Item No. 13502000	Transport dimension: 209 cm
Work report at 1 m peak deviation	200 391 cm
Weight	8.100 g
Crank stroke all models	35 cm
Connection	5/8

FEATURES

Side clamping on all models on this page.

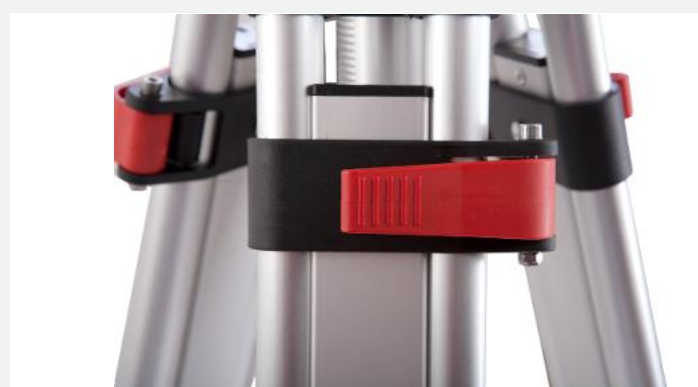
Double side clamping on models 13501000 and 13502000.



13500000

13501000

13502000


Footwear
13500000

Side clamping for
13501000 and
13502000

HEAVY-DUTY QUALITY VERSION, SELF-LOCKING

13503000

This tripod is suitable for heavy laser devices.

The central bracing guarantees rapid and even setup of the tripod and can be secured using a clamp.

Thanks to a double tube extension, a working height of 270 cm is achieved.

The central bracing prevents tripod legs from slipping.

If required, rubber caps can be fitted over the tips of the tripod legs, enabling secure setup on smooth surfaces while simultaneously protecting sensitive floors such as parquet or tiles during indoor work.

We use only high-quality aluminium for our tubes and central profiles. The aluminium parts are anodised and thus extremely weatherproof.

The plastic parts are made of glass-fibre reinforced polyamide and are thus extremely robust. This makes them significantly superior in usability to the competition.

Stable foot for the toughest use.



YOUR ADVANTAGES IN APPLICATION

Millimetre-precise and convenient adjustment of working height with the crank.

Top quality in workmanship and material, making it suitable for long-term, toughest use.

Superior ease of use.



Technical data	Crank tripod
Transport dimension	115 cm
Min. working height	85 cm
Max. working height	270 cm
Weight	7.000 g
Crank stroke	50 cm
Connection	5/8

FEATURES

Safety boot with rubber cap.

Side clamping.

Central bracing.

Within the NESTLE tripod family, you will find the suitable tripod for all tasks.

STEPLESS USE UPWARDS AND DOWNWARDS

13610000

The unique 2-way principle allows for use upwards or downwards.

With the NESTLE manhole tripod, you can insert 3D laser scanners to any depth into the shaft.

With the scope of delivery of 5 columns, a depth of approx. 4 m from the tripod base is possible.

To rotate the laser scanner downwards, a cordless drill or the supplied crank can be used.

For overhead use of your instrument when working downwards, we recommend using the NESTLE scanner quick coupling, to prevent an accidental fall of the instrument.

Scope of delivery: manhole tripod with 1 column of 1 m, 110 mm plate, incl. rubber feet, 4 extensions of 1 m in bag, crank, adapter for cordless drill, T-key, coupling for downward operation, coupling for upward operation.



YOUR ADVANTAGES IN APPLICATION

Thanks to the special design and the supplied connectors both upward and downward operation is possible without conversion-effort.

Robust design.

Stable crank column.

Toothed column elements individually lockable.

The scanner can be precisely positioned in the desired working area via the crank.



Technical data Manhole shaft tripod

Weight with 1 extension	8.500 g
Extension weight	1.200 g
Transport length	130 cm
Weight of attached device	max. 20 kg
Material	aluminium



ACCESSORIES

Tripod trolley, Art.-No. 13900000

Extension tube 100 cm, Art.-No. 13926000

Manhole cover lifter, Art.-No. 21000001

Recommendation:

Cordless screwdriver up to 9,6 V

Scanner quick coupling



FOR THE OPTIMAL USE OF THE MANHOLE TRIPOD

NESTLE scanner quick releases are recommended when using an instrument overhead on a 2-way channel shaft tripod. Use effectively prevents an unintentional fall of the instrument.



13949000

13950000

13951000

13952000

Scanner	Model	Model	Model
Assembly example BLK360, Application: overhead operation  + Carrier 1395X000 + Leica Adapter 853639 NESTLE 2203500	FARO Focus3D 120 FARO Focus3D X 130 FARO Focus3D X 330 Trimble TX5 Trimble TX8 Z+F IMAGER 5006 Series (5006, 5006i, 5006h) Z+F IMAGER 5010 Series (5010, 5010C, 5010X) Z+F IMAGER 5016 Series Leica HDS 7000 Leica HDS 6200 Leica HDS 6100 Leica HDS 6000 Leica ScanStation P50 Leica ScanStation P40 Leica ScanStation P30 Leica ScanStation P20 Leica ScanStation P16 TI Asahi Co., Ltd Pentax S-3080 TI Asahi Co., Ltd Pentax S-3180, S-3180V API IMAGER, IMAGER Pro, IMAGER Pro C	FARO Focus S70 FARO Focus S150 FARO Focus S350 FARO Focus M70	Trimble X7 Version thread 5/8"

Scanner coupling Base Version B
(with clamping screw) 13949000



Carrier name	Scanner coupling carrier Multi-S	Scanner caliper carrier FS	Scanner coupling carrier X7
Carrier Art. No.	13950000	13951000	13952000
Carrier image			



13949000

13953000

13956000

13957000

Scanner	Model	Model	Model
Assembly example BLK360, Application: overhead operation  + Carrier 1395X000 + Leica Adapter 853639 NESTLE 2203500 	Trimble X7/X9 PIN version	Leica RTC360 PIN version	Leica BLK 360 Note: Leica adapter 853639 or NESTLE 22035000 is also required
Scanner coupling Base Version B (with clamping screw) 13949000 			
Carrier name	Scanner coupling carrier X7 / X9 PIN	RTC scanner coupling carrier	Scanner coupling carrier BLK 360 / 3/8"
Carrier Art. No.	13956000	13953000	13957000
Carrier image			

PRODUCTS | WOOD TRIPODS



MEDIUM-DUTY VERSION WITH ECCENTRIC QUICK-CLAMP

13700000

13701000

Due to the better damping properties of wood, vibrations can be very well absorbed. Thus, NESTLE - wooden tripods are suitable for construction levels, precision levels, theodolites and total stations.

A robust PVC sleeve provides permanent protection for the wooden poles against dirt and moisture.

On the wooden tripods with PVC coating, the clamping unit is located above the middle leg of the tripod, and all connections between wood and plastic are additionally sealed with silicone. Through this arrangement of the clamping tension bolts above the tripod leg, the PVC sleeve is protected and is thus ideally suited for long-term use. Water ingress is not possible. The wood can no longer swell and impair the function of the tripod.

We only use high-quality wood for our round poles.

The clamping levers are made of glass-fibre reinforced polyamide and are therefore

extremely robust. The metal parts are made of resistant die-cast aluminium.



YOUR ADVANTAGES IN APPLICATION

Thanks to the PVC and silicone sealing, the tripod remains ready for use for years.

Ideal for use with theodolites or total stations - even in permanently damp environments.

Including rubber feet (only 13701000).

Technical data	Wooden tripods with PVC coating
Head	Flat, metal
Operating error at 1 m peak deviation	90 170 cm
Transport length	108 cm
Clamping	Eccentric
Weight	5.500 g
Connection	5/8

ACCESSORIES

The wooden tripod with PVC coating is available in two versions:

Basic version with triangular headplate, Art.-No. 13700000.

With round headplate, Ø 168 mm, Art.-No. 13701000.

On request, NESTLE wooden tripods can also be equipped with carrying straps.



HEAVY VERSION WITH SELF-LOCKING MECHANISM

Our heavy wooden tripods are made of highest quality wood.

A special oil treatment prevents water penetration and the resulting swelling of the wood.

Wooden tripods have better damping properties than aluminium tripods, so that vibrations can be very well absorbed.

In addition, the material expands less under direct sunlight.

Handling the wooden tripods is just as convenient as with the aluminium tripods.

The self-locking mechanism secures the tripod legs during carrying and transport and prevents accidental unfolding, thus effectively avoiding transport damage and injuries.

13724001

13725001

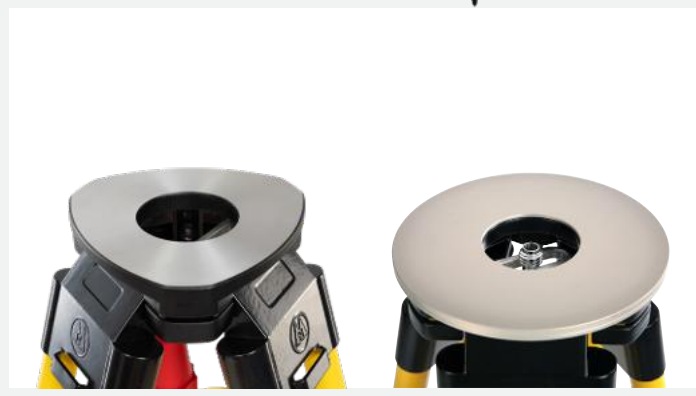


YOUR ADVANTAGES IN APPLICATION

High-precision measurements with theodolites, total stations and robotic stations.

Special wood treatment prevents water ingress.

Very good damping properties.



Technical data	13724001	13725001
working range at 1 m tip distance	93 to 170 cm	90 to 170 cm
Transport dimension	108 cm	108 cm
Connection	5/8"	5/8
Clamping	Clamping screw	Clamping screw
Colour of wooden elements	yellow	yellow
Fitting colour	black	black
Head plate	flat, metal, triangular	flat, metal, round
Weight	6.200 g	6.200 g



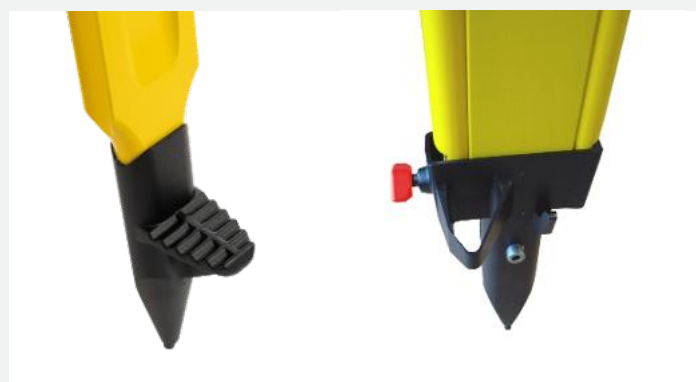
ACCESSORIES

Scope of delivery Art.-No. 13724001: Wooden tripod TW246-9

Scope of delivery Art.-No. 13725001: Wooden tripod TW246-6

Optional we recommend:

Carrying bag, item no. 13931001



NESTLE WOODEN TRIPOD TW 245-6



HEAVY-DUTY QUALITY VERSION WITH DOUBLE CLAMP

13726001

This model is equipped with two clamping variants (eccentric clamping at the top and screw clamping at the bottom). Both clamping variants can be used individually or together. This allows the tripod to be positioned quickly and very flexibly and, if required, secured doubly.

Both clamping variants usable individually or combined.

Additional security via screw clamping possible. Furthermore, the material expands less under direct sunlight. Suitable for surveying instruments such as theodolites, total stations and motorised robotic stations. Ideal for measurements with the highest accuracy requirements. Self-locking prevents unintentional unfolding when carrying and transporting.

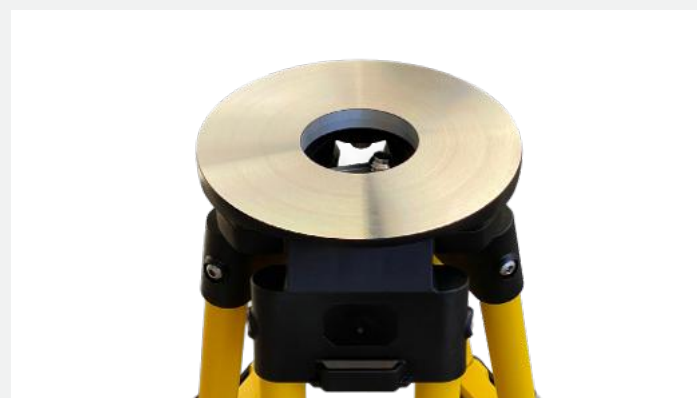


YOUR ADVANTAGES IN APPLICATION

Special wood treatment prevents water ingress - the tripod remains ready for use for years.

Robust design.

Wooden tripods feature better damping properties than aluminium tripods, so that vibrations can be absorbed very well.



Technical data	Wooden tripod, heavy
Head	round
Work area	90 - 170 cm
Transport length	107 cm
Clamping	Double clamping (screws at bottom, eccentric at top)
Weight	7.000 g
Connection	5/8

ACCESSORIES

Tripod bag with carrying strap, item no. 13931001

Carrying strap for tripod, item no. 1392000



NO COMPROMISES IN ROBUSTNESS AND VISIBILITY

13719001

Our heavy-duty wooden tripods are made of high-quality wood.
A special oil treatment prevents water ingress and the resulting swelling of the wood.

Wooden tripods have very good damping properties, so that vibrations are very well absorbed.

The material remains very stable even under direct sunlight, so that measurements are not affected.

All fittings on this tripod are anodised in bright red for better visibility.

This tripod is equipped with a triangular head plate.

The self-locking mechanism secures the tripod legs when carrying and during transport and prevents unintentional unfolding, thus efficiently avoiding transport damage and injuries.



YOUR ADVANTAGES IN APPLICATION

High-precision measurements with theodolites, total stations and robotic stations.

Excellent visibility due to bright red fittings.

Excellent damping properties.



Technical data	NESTLE wooden tripod TR-246-7
working range at 1 m tip distance	90 - 170 cm
Transport dimension	107 cm
Connection	5/8"
Clamping	Clamping screw
Colour of wooden elements	yellow
Fitting colour	luminous red
Head plate	flat, metal, triangular
Weight	6.400 g

ACCESSORIES

Scope of delivery: wooden tripod, cover for head plate

Optional we recommend:

Carrying bag, item no. 13931001

NESTLE WOODEN TRIPOD MIN-I AND MID-I



FLEXIBLE USE - ESPECIALLY LOW SETUP HEIGHT

The Min-I wooden tripod meets the specifications of the heavy-duty wooden tripods, however with different transport dimensions, working range and a correspondingly lower weight.

Particularly suitable for rotary lasers, total stations and reality capture.

The Min-I wooden tripod is perfectly suited for special applications with the lowest possible setup and working heights during reality capture or robotic surveys (e.g. positions on stairs, industrial plants).

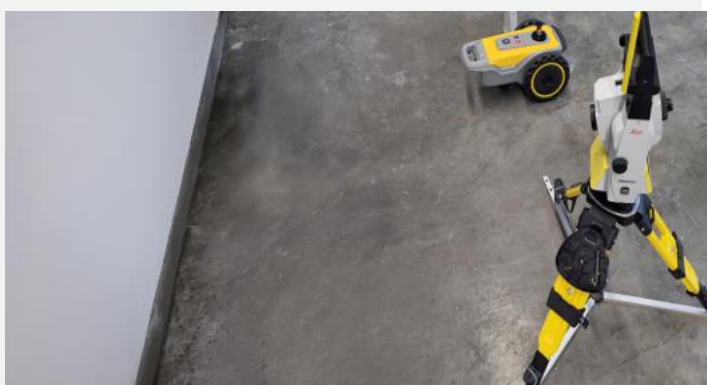
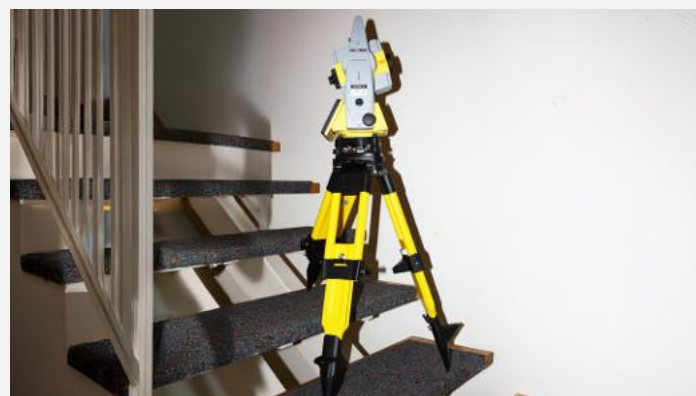
13709000

13710000



YOUR ADVANTAGES IN APPLICATION

- Compact transport size.
- Self-closing.
- Small, lightweight and robust.
- For highest precision.



Technical data	Min-I wooden tripod	Mid-I wooden tripod
working range at 1 m tip distance	47 - 59 cm	89-145 cm
Transport dimension	52 cm	97 cm
Connection	5/8"	5/8
Clamping	Clamping screw	Clamping screw
Head Ø	143 mm	143 mm
Head plate	flat, triangular	flat, triangular
Weight	4.000 g	6.100 g
Colour of wooden elements	yellow	yellow
Fitting colour	black	black

FEATURES

Scope of delivery: Min-I wooden tripod, tripod, tripod cover

Scope of delivery: Mid-I wooden tripod, tripod, tripod cover, carrying strap



PRODUCTS | KARBONSTATIVE



FOR TOTAL STATIONS AND SCANNERS

Carbon is already very suitable as a material for prism and antenna poles popular.

Due to the low weight and thermal expansion-carbon, with better coefficients than aluminium, wood and even Invar, is the ideal material choice, also suitable for tripods.

The GEO Delta carbon tripod, Art.-No. 13706000, is equipped with a triangular headplate and the GEO Omega carbon tripod, Art.-No. 13707000, with a screw-off round headplate.

The NESTLE GEO series carbon tripods are particularly suitable for precision measurements with scanners and total stations indoors and outdoors.

The low weight reduces transport costs, e.g. on flights and makes changing viewpoints very convenient.



YOUR ADVANTAGES IN APPLICATION

Coefficient of thermal expansion better than wood and Invar.

High weight savings compared to wood.

Suitable for precision measurements with scanners or total stations.



Technical data	NESTLE carbon tripod GEO
working range at 1 m tip distance	93 169 cm
Transport dimension	108 cm
Connection	5/8"
Clamping	Eccentric
Standard	DIN 18726 for instruments up to 10 kg
Colour	black, grey, bright red
Carbon tripod GEO Delta	Part No. 13706000
Head plate	flat, metal, triangular
Weight	3.700 g
GEO Omega carbon tripod	Part no. 13707000
Head plate	flat, metal, round (detachable)
Weight	3.800 g

ACCESSORIES

Optional we recommend:

Carrying bag, Item No. 13931001

For work with reality capture:

Nestle scanning ball, Item No. 14200000



COLLET CLAMP, 4-STAGE TELESCOPIC

13802001

The NESTLE carbon tripod CT-01 is particularly suitable for work with terrestrial 3D reality capture scanners.

The 4-stage extendable tripod legs allow the tripod to be adjusted quickly and flexibly to the desired height.

The tripod legs are locked quickly and securely with high precision via collet clamps.

The adjustable spreader stop prevents the legs from unintentionally slipping on smooth floors.

Legs made of high-quality, silk-matte carbon fibre.

Side-mounted head plate locking for collision-free mounting.

Instrument adapter can be changed without tools.



YOUR ADVANTAGES IN APPLICATION

4-way telescopic legs.

With spread stop, adjustable.

Including standard 5/8" adapter.

Optional with adapter: 1/4", 3/8", PIN 16 mm, PIN X7.

Collision-free headplate locking.

Low weight, only 2.180 g.



Technical data	Carbon tripod CT-01
Working range	12,5 to 153 cm
Clamping	Union nut with collet clamping
spirit level	circular spirit level
Weight	2.180 g
Load capacity	24 kg
Connection	5/8
Transport dimension	58 cm



ACCESSORIES AND SET

Scope of delivery: CT-01 tripod, bag, 5/8" adapter, Art.-No. 13945000

For work on inaccessible shafts, tanks, bridges or facades, we recommend the NESTLE CT-01 2-way set, Art.-No. 13954000 (see figure), excluding scanner coupling

1/4" instrument adapter, Art.-No. 13943000

3/8" instrument adapter, Art.-No. 13944000

5/8" instrument adapter, Art.-No. 13945000

DN 16 mm pin instrument adapter, Art.-No. 13946000

Trimble X7 pin instrument adapter, Art.-No. 13955000



HEAVY-DUTY DESIGN

Heavy-duty tripods for laser devices at high working heights.
Stable aluminium construction with central bracing.
Easy-to-use crank - even for the heaviest laser devices.
Device connection 5/8" (other thread types possible optionally).
Removable plate connection, Ø 140 mm.
Non-loss controls! (The screws cannot be fully unscrewed).

Steel spikes, replaceable.
One set of spikes with rubber caps to protect sensitive surfaces.

One set of spikes for outdoor applications.
The spirit level on the central bracing allows for rapid positioning of the tripod.

Dest NESTLE heavy-duty tripod has been proven via numerical simulation by Dr. Heiser engineering office to be stable in virtual wind tunnels up to 90 km/h wind speeds. The calculation was carried out using CFD method (computational fluid dynamic) at full working height with a NESTLE Pulsar rotary laser attached.



13600000

13601000

YOUR ADVANTAGES IN APPLICATION

Absolutely secure stand at high working heights - even in storms.

The crank is mounted centrally under the central column and can be operated at any time at any extension height - no ladder necessary.

Rotational clamping with selectable clamping force, internal, does not break out during transport.

Ideal weight ratio!

Tested stability in storms.



Technical data	13600000	13601000
Minimum height	162 cm	212 cm
Maximum height	360 cm	452 cm
Crank stroke	80 cm	80 cm
Transport dimension	177 cm	230 cm
Setup circle	220 cm	300 cm
Weight	17 kg	20 kg
Application area	Machine control	Machine control



FEATURES

Scope of delivery: crank tripod incl. carrying case, two pairs of spikes (with and without rubber cap)



OUR TRIPOD ACCESSORIES FOR EASIER WORKING

- **Tripod trolley for indoor and outdoor use.** The tripod is fixed to the trolley using the retaining straps and the wheels are locked. So gewinnt man die Möglichkeit, schnell mit einem Lasergerät die position to be changed quickly with a laser device without having to constantly set up and dismantle the tripod.
The tripod trolley can be easily folded - convenient transport in any vehicle.
- **Three-legged base for tripods:** specifically for smooth floors. Simply unfold the tripod base on the floor and place the tripod legs into the corresponding holes. Art. No. 13912000 with 70 cm legs without rubber tensioners, Art. No. 13929000 with 50 cm leg length and with rubber tensioners.
- **Rubber feet set,** Art. No. 13913000 including rivets, for secure setup on smooth floors and to protect sensitive surfaces.
- **Extension,** Art. No. 13914000, 66 cm for all crank tripods. The extension can be "parked" in the crank tripod.
- **Carrying bag,** Art. No. 13916000 for tripods with a transport size up to max. 130 cm. Made of robust canvas.
- **Bag with zip and carrying strap,** Art. No. 13931001 for tripods with a transport size up to max. 110 cm made of synthetic fibre with reinforced base and top.

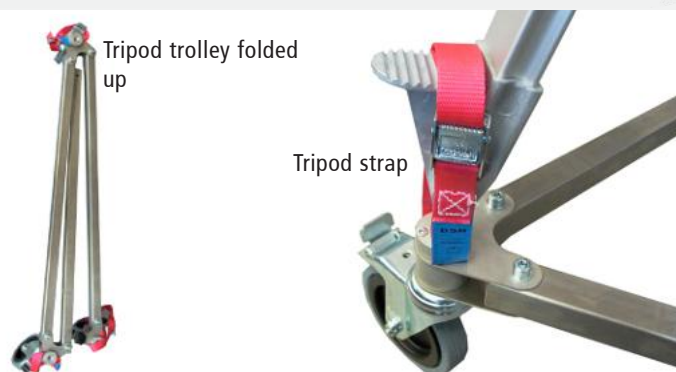
13900000

13929000

13914000

13913000

13916000



Tripod trolley folded up

Tripod strap

YOUR ADVANTAGES IN APPLICATION

Increase your flexibility for indoor and outdoor work with our tripod accessories



Technical data	Tripod accessories
Tripod trolley	Part no. 13900000
Weight	8.000 g
Tripod socket	Weight / side length
Part no. 13929000	500 g / 50 cm
Part no. 13912000	800 g / 70 cm
Extension 66 cm	Art.-Nr. 13914000
Weight	500 g

NOTE

Our tripod accessories are compatible with all tripods from Gottlieb NESTLE GmbH.



AVOID CAMERA SHAKE WHEN TRIGGERING MEASUREMENTS

13911000

Ideal for use with Disto rangefinders or line lasers with 1/4" thread connection. A line laser can be quickly and easily brought to the desired height using the crank.

When working with rangefinders, measurement accuracy increases enormously due to the fixation - no more wobbling when triggering measurements.

Swivelling and tiltable head.

Head plate with quick release for rapid exchange of devices.

With carrying handle on the central column.

The photo tripod is supplied including spirit level and bag.



YOUR ADVANTAGES IN APPLICATION

Easy to transport - quick to deploy.

Simple operation.

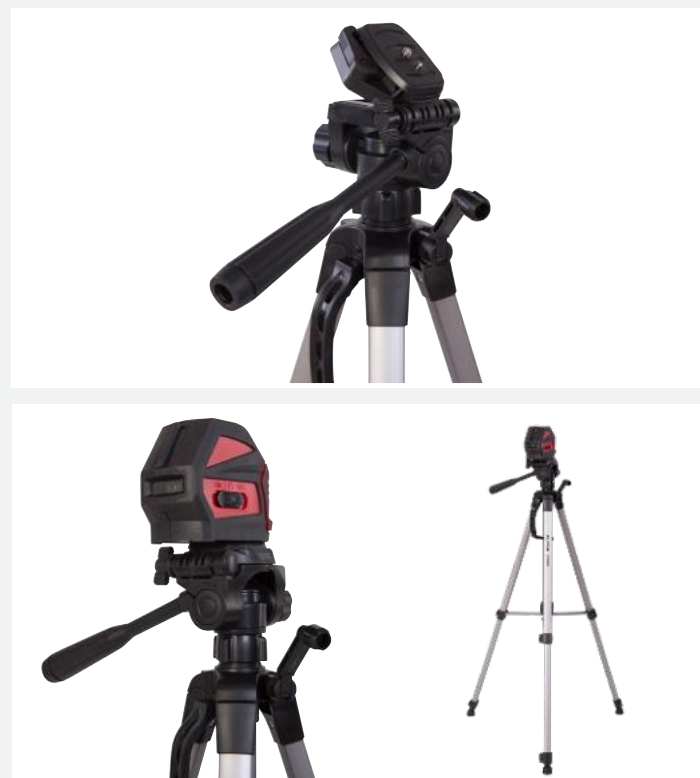
Allows higher precision when working with rangefinders.



Technical data	Photo tripod
Working range	60 - 160 cm
Transport length	65 cm
Clamping	Quick release
Weight	1.370 g
Connection	1/4

FEATURES

Scope of delivery: camera tripod, spirit level, pouch





Receiver poles
MCM-116

39



Receiver poles
MCM-180

39



Receiver poles
MCM-210

39



Receiver poles
MCM-280

39

MCM SERIES FOR CONSTRUCTION MACHINERY

The Nestle MCM series receiver masts are stable masts for MC sensors such as prisms, GNSS antennas or laser receivers.

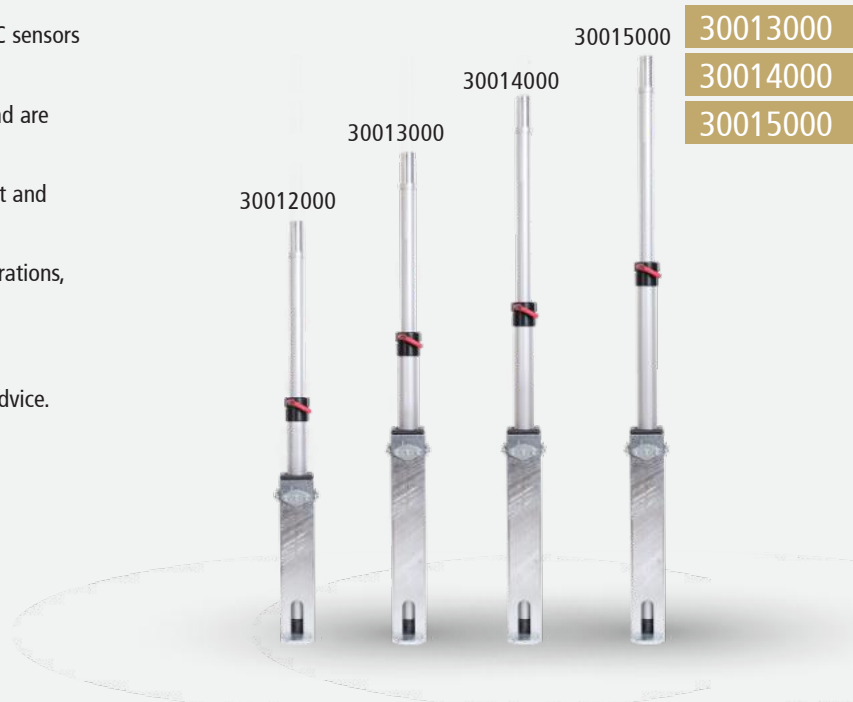
The MCM masts are suitable for all construction machinery and are telescopic if required.

The telescopic range scale is laser-engraved, abrasion-resistant and features millimetre increments.

The integrated damping significantly reduces swaying and vibrations, so that sensors on the masts are under less stress.

Special feature: vibration-decoupled damping.

Please contact us regarding your specific mast variants for advice.



YOUR ADVANTAGES IN APPLICATION

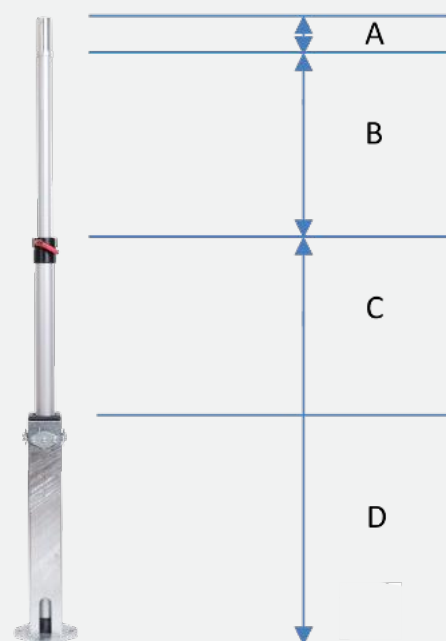
Abrasion-resistant scale with millimetre increments.

Four lengths available.

Suitable for all construction machinery.



Technical data	MCM-116	MCM-180	MCM-210	MCM-280
Article number	30012000	30013000	30014000	30015000
Max. total length cm	116	180	210	280
Min. total length cm	85	147	167	207
Ø Tube A mm	45			
Length A cm	35			
Scale [mm] on telescopic pole B	0 - 310	0 - 330	0 - 430	0 - 730
Length C cm	18	47	70	110
Length D cm	31	61	61	61
Connection at the bottom	Plate with 4 x Ø 12mm on Ø 80 mm circle			
Pole lock	Clamping screw			
Colour	Tubes silver, lock part black, foot part hot-dip galvanised			



PRODUCTS | ANGLE GAUGE





DIGIT 35 pro

DIGITAL ANGLE AND INCLINATION GAUGE & WATER
SPIRIT-LEVEL

42

DIGIT 50 pro

DIGITAL ANGLE AND INCLINATION GAUGE & WATER
SPIRIT-LEVEL

42

DIGITAL ANGLE AND INCLINOMETER & WATER SPIRIT-LEVEL- 3-IN-1 TOOL

17008001

17009001

Digital angle gauges for interior fit-out are suitable for the alignment of all types of built-in furniture, in stair construction, for tilers, at roof ridges and joinery work.

Display of angles from $\pm 0-180^\circ$ with $\pm 0,2^\circ$ accuracy.

Large digits on the LCD display facilitate reading.

Switchable lighting makes the digits even more legible.

Horizontal and vertical spirit levels enable use as a water spirit-level and inclination gauge.

The "reset" function allows the angle gauge to be zeroed in any arbitrary position, thus quickly and precisely obtaining the complementary angle without having to perform a second measurement.

Only a robust measuring instrument can guarantee permanent precision :

Measuring arms made of aluminium from high-precision CNC manufacturing.

Display and spirit levels securely protected behind plexiglass.

The measuring module lies within the housing and therefore cannot be attacked from the outside.

YOUR ADVANTAGES IN APPLICATION

The operating time of a battery pack is approximately 1,5 years.

Display resolution $0,05^\circ$, thanks to an innovative sensor system, guarantees very exact measurements.

The "hold" function enables reading values at non visible work locations.

The angle gauge switches off automatically after 5 min when not in use and saves the value.

When you switch off the angle gauge, the value is saved and reappears when switched on.

The powder coating protects against wind and weather and makes the product resilient.



Technical data	17008001	17009001
Angle measuring range	$\pm 0^\circ$ 180°	$\pm 0^\circ$ 180°
Tilt measuring range	$\pm 0^\circ$ 90°	$\pm 0^\circ$ 90°
Angle / tilt unit	Degree ($^\circ$), decimal	Degree ($^\circ$), decimal
Angle accuracy	$\pm 0,2^\circ$	$\pm 0,2^\circ$
Tilt accuracy	0,2 %	0,2 %
Dimension	350 x 52 x 35 mm	500 x 52 x 35 mm
Weight	460 g	660 g
Power supply	2 x AAA	2 x AAA

ACCESSORIES

An optional pouch is available for the DIGIT angle gauge:

For Digit 17008001, pouch Art. No. 17900000.

For Digit 17009001, pouch Art. No. 17901000.

PRODUCTS | POINT AND LINE LASERS



PRODUCTS | POINT AND LINE LASERS



NESTLE Octoliner G
MULTI-LINER WITH 360° HORIZONTAL LINE

45



NESTLE NCL-2 G
LINE LASER

46



NESTLE NCL-3D
MULTI-LINE LASER

47



NESTLE point and line laser
ACCESSORIES

48



NESTLE wall mount + adapter
ACCESSORIES

49



» TO FURTHER
POINT AND LINE LASERS «

MULTI-LINER FOR FAST WORKING, WITH GREEN LASER BEAM

16114001

The human eye perceives green light significantly better than red light. Due to the green laser beam of all laser lines, the Octoliner-G offers superior visibility of the projected lines.

- 360° horizontal line.
- 4 switchable vertical lines and plumb point.
- Motorised self-levelling (can be switched off).
- 5/8" connection, side fine adjustment, adjustable leg screws.

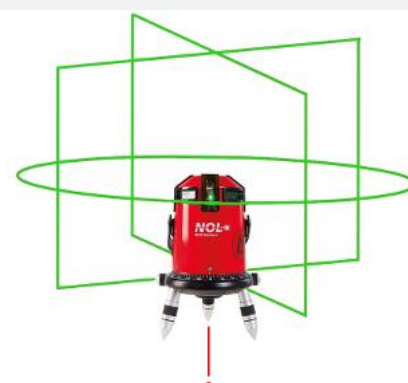
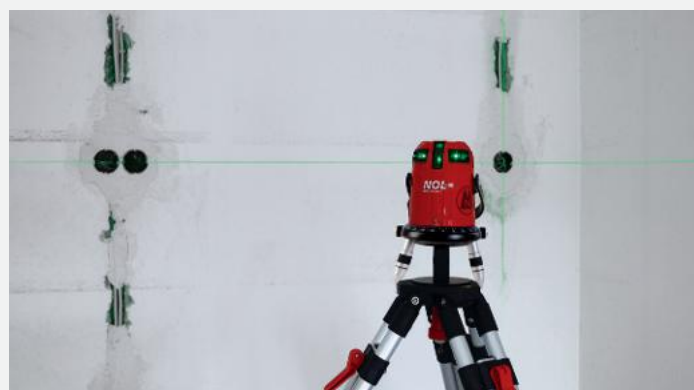
Due to the green laser lines, the Octoliner-G is particularly suitable for drywallers, glaziers, electricians, heating and ventilation engineers, for aligning building elements such as walls, pipes and for transferring floor and ceiling points.

The Octoliner-G is also suitable for use with a receiver (Decto-G Art. No. 16829000).



YOUR ADVANTAGES IN APPLICATION

- All lines with green laser beam, plumb point red laser beam.
- Operating temperature -10°C to +40°C.
- Motorised self-levelling.



Technical data	Octoliner G
Laser (lines)	green, Class 2
Laser plumb (point)	red, Class 2
Tolerance	± 1,5 mm per 10 m
Working area without/with receiver	50 m / 120 m
Self-levelling	± 4°
Optical angle	360° horizontal / 4 x vertical
Power supply	Li-Ion battery or 4 x AA
Dimensions	Ø 15 cm x 22 cm
Weight	1.520 g
Threaded connection	5/8
Working time	4 lines = 6 h / 2 lines = 12 h
Protection class	IP54
Pulse mode	Yes

ACCESSORIES

Scope of delivery: Octoliner-G, carrying case, battery, target plate, glasses, charger, charging cradle.

For work with the Octoliner-G, we recommend our lightweight telescopic tripod, item no. 13001000.
Decto-G receiver, item no. 16829000, see page 61.



LINE LASER FOR INTERIOR FIT-OUT

16115001

Set up and go! The NESTLE NCL-2 features a built-in pendulum compensator that handles fine adjustment. An extraordinarily clear laser line. Over long distances, you can work with one of our receivers - switch to pulse mode for this. The human eye detects green light much better than red light. Due to the green laser beams, the NESTLE NCL-2G cross-line laser impresses with high visibility of the projected lines. Thanks to the simple and clear control panel, operating errors are ruled out. Fixing of the horizontal and vertical laser line possible, so that you can work in any position. Battery indicator flashes when battery voltage <3 volts. With the NESTLE NCL-2G, you can perform almost any work in interior construction. With a 1/4" threaded connection, the laser can be mounted on tripods and wall mounts. This makes it even more flexible in application. Acoustic warning signal if the laser is no longer "level". Horizontal and vertical line - 120° beam angle.



YOUR ADVANTAGES IN APPLICATION

The NESTLE NCL-2G features a robust housing with Rubber coating for even more safety on construction sites. Thanks to its robust construction, the line laser is ideal for tough daily use. Simple operation for fast and precise working. 1/4" Threaded connection for attachment to wall mounts or tripods.



Technical data	NESTLE NCL-2G
Tolerance horizontal line	± 3 mm per 10 m
Tolerance vertical line	± 2,5 mm per 10 m
Self-levelling range	4° ± 0,5°
Working area / with detector	20 m / 50 m with receiver
Operating time	<8 hours
Laser	505 nm visible, Class 2
Storage temperature	-20°C to +60°C
Dimensions	119 x 62 x 95 mm
Weight	480 g
Threaded connection	1/4
Pulse mode	Yes



ACCESSORIES AND SET

Wall mount, item no. 21139000.
Decto G receiver with holder for green lasers, item no. 16829000.

NESTLE NCL-2G cross-line laser also available in a set, item no. 16117001:
NESTLE NCL-2G, 3x AA batteries, NWM-802 wall mount, target plate, carrying case, laser goggles, batteries, manual



FOR PRECISION ALIGNMENT IN 3 DIRECTIONS 360°

16118001

3x360 degree self-levelling laser, $\pm 4^\circ$ self-levelling and manual mode, green laser beams.
Green laser beams are perceived up to four times better by the human eye compared to red laser beams. Therefore, the NESTLE NCL-3D is also suitable for bright environments and large working areas.
The remote control enables convenient control, while the three laser planes with 360° each ensure comprehensive alignment.
This laser sets new standards in three-dimensional spatial visualisation.
With a 1/4" & 5/8" threaded connection, the laser can be mounted on tripods and wall mounts. This makes it even more flexible in application.
Durable pendulum assembly.
Pulse mode for outdoor use, IP-54 protection class.



YOUR ADVANTAGES IN APPLICATION

The remote control allows laser planes to be switched on or off, thus reducing unnecessary walking distances and increasing efficiency.
Thanks to its robust construction, the multi-line laser is ideal for tough daily use.
Simple operation for fast and precise working.
With the included power supply and cable (Type-C / USB), you can charge the battery in the charging cradle or directly on the instrument.



Technical data NESTLE NCL-3D

Horizontal laser	1 x 360°
Vertical laser	2 x 360°
Self-levelling range	$\pm 4^\circ$, < 4 seconds
Working range / with receiver	Ø 40 m / Ø 80 - 120 m
Operating time	<10 hours
Protection class	IP-54
Accuracy	$\pm 2 \text{ mm} / 10 \text{ m}$
Operating temperature	-10°C to +40°C
Dimensions	150 x 80 x 125 mm
Weight	700 g
Threaded connection	1/4" & 5/8"
Pulse mode	Yes

ACCESSORIES

Wall mount, Art.-No. 21139000.
Decto G receiver with holder for green lasers, item no. 16829000.
NESTLE tripod adapter, item no. 13923000



WALL MOUNT NWM-802, 2-PIECE



PERFECT FOR INTERIOR FINISHING

21139000

The NWM-802 wall mount is suitable for attaching point or line lasers to walls, angle rails or tripods (5/8", 1/4").

The 2-piece wall mount consists of a vertically adjustable instrument holder with 1/4" connection and a base holder with clip. 14 cm vertically adjustable.

The instrument holder and the base holder are magnetically connected. NESTLE wall mount suitable for NESTLE NCL-2 or Leica LINO.



YOUR ADVANTAGES IN APPLICATION

tripod connection 5/8" and 1/4".

Eyelet for wall mounting.

Clamp for drywall tracks.

Instrument holder and base holder magnetically connected.



Technical data	NWM-802
Vertical height adjustment	9 cm adjustment wheel, 5 cm on magnetic plate
Dimensions	200 x 65 x 175 mm
Weight	750 g
Tripod connection	1/4 + 5/8
Instrument connection	1/4

ACCESSORIES

16814000 DECTO receiver, red

16829000 DECTO receiver, green (see fig.)



TRIPOD ADAPTER FOR LINE LASERS

Wall mount 21135000: Professional wall mount with vertical adjustment-screw. For fixing rotary lasers or line lasers with 5/8" connection to a wall.

Adapter 13902000: The adapter allows a line laser with 5/8" connection - such as the Octoliner - to be mounted on a standard tripod the disc is placed on the tripod plate, then the extension pin is attached to the central tightening screw. The laser feet are therefore no longer an obstruction.

Adapter 13923000: 5/8" to 1/4". For fixing devices such as line lasers with 1/4" connection on a tripod with 5/8" connection. The round base plate of the adapter is ideal for tripods with large head plate openings.

13902000

13923000

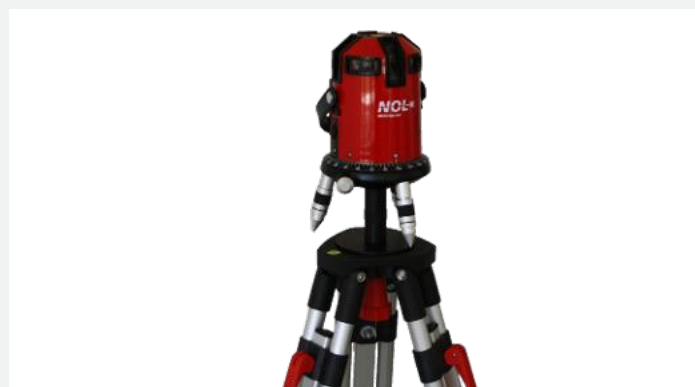
21135000



YOUR ADVANTAGES IN APPLICATION

Robust wall mount for attaching rotary and line lasers to walls or ceiling profiles.

Ideal for interior construction, e.g. for suspending ceilings.



Technical data	Tripod adapter + wall mount
Tripod adapter	13902000 / 13923000
	5/8" to 5/8" extension / 5/8" to 1/4"
Weight	130 g / 100 g
Disc	Ø 90 mm / Ø 80 mm x 30 mm
Tenon length	65 mm
Wall bracket	21135000
for instruments up to	max. Ø 21 cm
Weight	1.200 g



13902000



13923000

ACCESSORIES

Other adapter sizes available on request.

Please note our range of line and rotary lasers for indoor and outdoor use. At NESTLE, you will find the right device for all applications.



PRODUCTS | ROTARY LASERS





NESTLE PULSAR H
HORIZONTAL LASER

52



NESTLE PULSAR HV-R | HV-G
MULTIFUNCTIONAL LASER

53



NESTLE PULSAR 2S
MULTIFUNCTIONAL LASER

54



» FOR FURTHER ROTARY
AND PIPE CONSTRUCTION LASERS

FULLY AUTOMATIC HORIZONTAL LASER

16015001

Simple operation with a clear function programme.

In the event of tripod malfunctions, the laser interrupts rotation. In the switchable tilt mode, it then stops and does not realign. This prevents incorrect measurement results.

For heavy-duty construction use, the PULSAR H has a robust aluminium housing.

Highest quality of workmanship.

Total range of 600 m.

Including PDRG95 laser receiver with mm display, unique in this class.



YOUR ADVANTAGES IN APPLICATION

Set up, switch on – let's go! no tedious adjustment.

Complete package with receiver and target plate.

Suitable for excavation and concreting, formwork and Foundation levelling, landscaping and road construction, as well as for height control on construction sites.



Technical data NESTLEPULSARH

Tolerance	±1 mm per 10 m
Self-levelling range	± 5°
Working area with receiver	Ø 600 m
Laser diode / Colour	635 nm, Class 2 / red
Operating time	20 h
Rotation speed	600 rpm
Temperature range	-20 °C to +50 °C
Weight	3.000 g
Dimensions	215 x 190 x 210 mm
Protection class	IP65



ACCESSORIES AND SET

PULSAR H, Art.-No. 16015001:

PULSAR H with carrying case and operating instructions, laser receiver PDRG95 (Made in Germany) with mm display and receiver holder, charger, target plate and laser viewing glasses.

PULSAR H also available as a set, Art.-No. 16019001:

PULSAR H, levelling tripod (medium weight), laser pole with sliding adapter/ clamping lever, carrying case, laser receiver PDRG95 with clip, charger, target plate and laser viewing glasses.



MULTIFUNCTION LASER WITH RED AND GREEN BEAM

16016001

16017001

Simple operation with a clear function programme.

A thick-walled, massive aluminium housing protects the laser during heavy construction use.

Highest quality manufacturing standards.

The green laser beam of the PULSAR HV-G is better perceived by the human eye.

NESTLE Pulsar HV-R (Art.-No. 16016001) with red laser light.

NESTLE Pulsar HV-G (Art.-No. 16017001) with green laser light.

The laser can also be operated vertically.



YOUR ADVANTAGES IN APPLICATION

Set up, switch on – let's go! No tedious adjusting.

Complete package with receiver and remote control.

Choose between three different operating modes: Rotation (with four speeds), scan line (to delimit working areas), point mode.

The PULSAR HV-R / HV-G can be manually tilted up to $\pm 5^\circ$ in two axes.

Laser receiver PDRG95 (Made in Germany) with mm display



Technical data	NESTLE PULSAR HV-R HV-G
Tolerance	± 1 mm per 10 m
Self-levelling range	$\pm 5^\circ$
Working area with receiver	$\varnothing$ 600 m
Laser diode / Colour	635 nm Cl. 2 red / 535 nm Cl. 3R green
Operating time	20 h
Rotation speed	0; 60; 120; 300; 600 rpm
Temperature range HV-R	-20 °C to +50 °C
Temperature range HV-G	0 °C to +40 °C
Weight	3.000 g
Dimensions	215 x 190 x 210 mm
Protection class	IP65



ACCESSORIES AND SET

PULSAR HV-R also available in a set, Art.-No. 16020001:

PULSAR HV-R, crank tripod, laser pole with sliding adapter/clamping lever, carrying case, laser receiver PDRG95 with clip, charger, target plate, wall mount, laser viewing glasses and remote control.

PULSAR HV-G also available in a set, Art.-No. 16021001:

PULSAR HV-G, crank tripod, laser pole with sliding adapter/clamping lever, carrying case, laser receiver PDRG95 with clip, charger, target plate, wall mount, laser viewing glasses and remote control.



FULLY AUTOMATIC MULTI-FUNCTION LASER

16018001

Simple operation with an intuitive function programme and display.
Highest manufacturing quality.
Ideal for tough construction use, thanks to its robust and thick-walled aluminium housing.
Battery charge indicator in the display.
Display illuminated.
The laser can also be operated vertically.



YOUR ADVANTAGES IN APPLICATION

The PULSAR 2S features digital two-axis inclination.
Can be tilted in two axes simultaneously up to $\pm 8\%$.
Selectable between three operating modes: rotation (with four speeds), scan line (delimiting work areas) and point mode.
Ideal for one- and two-sided gradient work, meter marks and vertical plumb, excavation and concreting, suspended ceilings, Formwork and foundation levelling, as well as height control in Construction site area.



Technical data	NESTLEPULSAR2S
Tolerance	± 1 mm per 10 m
Self-levelling range	$\pm 5^\circ$
Working area with receiver	$\varnothing 600$ m
Laser diode / Colour	635 nm, Class 2 / red
Operating time	20 h
Inclination	$\pm 8\%$ two axes simultaneously
Rotation speed	0; 60; 120; 300; 600 rpm
Temperature range	-20 °C to +50 °C
Weight	3.100 g
Dimensions	215 x 190 x 210 mm
Protection class	IP65

ACCESSORIES AND SET

PULSAR 2S, Art.-No. 16018001:

PULSAR 2S with carrying case and operating instructions, laser receiver PDRG95 (Made in Germany) with mm display and receiver holder, charger, target plate, laser goggles and remote control.

PULSAR 2S also available in a set, Art.-No. 16022001:

PULSAR 2S, crank tripod (medium weight, self-locking), laser pole with sliding adapter/clamping lever, carrying case, laser receiver PDRG95 with clip, charger, target plate, laser goggles and remote control.



PRODUCTS | LASER RECEIVER





NESTLE PDRG95
LASER RECEIVER

57



AndroTec MTR-95R
LASER RECEIVER

58



AndroTec MTR-125RG
LASER RECEIVER

59



AndroTec MTR-65RGL
LASER RECEIVER

60



Decto
LASER RECEIVER

61



» FOR FURTHER LASER
AND MACHINE RECEIVERS «

FOR ROTARY LASERS WITH GREEN OR RED LASER BEAM

16834001

The deviation from the laser beam (height values) is displayed as an arrow, with LED and in mm, and is also supported acoustically. The reception sensitivity (display accuracy) can be adjusted in three stages.

The ideal receiver for the NESTLE Pulsar series.

Due to the IP67 protection class, this receiver is suitable for indoor and outdoor applications in harsh construction environments.



YOUR ADVANTAGES IN APPLICATION

- Receiver with mm display.
- Receiver for rotary lasers with red or green laser beam.
- Front and rear display for optimal reading.
- Receiver "Made in Germany".



Technical data	PDRG95
Displayable units	mm, cm, inch, fract. inch
Display accuracy	+ - 1 / + - 2 / + - 5
Equipment	Magnet, spirit level, clamp holder, loudspeaker, 3 LEDs
Battery type	1 x AA
Filter	against flash and sunlight
Altitude display	numeric mm, graphic, LED
Reception field length	90 mm
Laser beams	red and green
Protection class	IP67
Volume	loud / quiet / off
Weight	190 g
Dimensions	135 x 69 x 25 mm
Wavelength	450 - 800 nm

ACCESSORIES

Scope of delivery: NESTLE receiver PDRG95, clamp holder, 1 x AA battery

For work with hand receivers, we recommend laser poles with sliding adapter, Art.-No. 18702000.



WITH MM DISPLAY FOR ROTARY LASERS WITH RED/INFRARED LASER LIGHT

27406000

Compact receiver with mm display for all standard rotary lasers.
 Robust (IP67) and reliable (> 45 hours operating time).
 Switchable units: mm, cm, inch, fractional inch.
 The rubber coating protects against falls and impacts and the housing is completely waterproof.
 High-contrast displays on the front and rear ensure quick reading of measured values.
 The MTR-95 displays the deviation of the laser beam from the marking plane with an arrow symbol and millimetre-precise digital digit display in the display.
 With just one AA battery, an operating time of over 45 hours is achieved.



YOUR ADVANTAGES IN APPLICATION

Receiver with mm display.
 Interference and flash filter.
 For all standard rotary lasers with red or infrared laser.
 For all standard rotary lasers with 300rpm to 1200rpm.



Technical data	MTR-95R DIGITAL
Detection range	90 mm
Numerical	80 mm digital
Precision levels	±0,5 mm, ±1 mm, ±2 mm, ±5 mm, ±10 mm
Range	Ø400 m
Reception indicator	Display, acoustic signal, mm display
Protection class	IP67
Operating temperature	- 20°C to + 50°C
Weight	200 g
Dimensions	135 x 69 x 25 mm

ACCESSORIES

Scope of delivery: ANDROTEC MTR-95R digital receiver, retaining clip, 1 x AA battery
 For working with hand receivers, we recommend laser poles with sliding adapter, Art.-No. 18702000.

LASER RECEIVER METOR MTR-125RG



MAGNETICALLY STRONG, RAZOR-SHARP PRECISION, UNCOMPROMISINGLY RELIABLE

16833000

Durable operation with standard batteries: Using two commercially available AAA batteries, the MTR-125RG achieves an operating time of up to 70 hours saving costs and reducing downtime on the construction site.

Dual-sided display for more efficiency: Two highly legible, back-lit displays on the front and rear allow for reading from almost any position ideal for changing working angles or unfavourable lighting conditions.

Magnetic mounting on two sides: Thanks to strong neodymium magnets on the top and rear, the device can be flexibly attached to metal profiles especially practical for overhead work or on wall profiles.

Resilient for daily construction use: The impact-resistant rubber casing reliably protects against shocks and falls. In combination with the waterproof housing, the MTR-125RG is perfectly equipped for daily construction site use.

Universally compatible with rotary lasers: The receiver works with both red and green rotary lasers making it a versatile companion for various systems and manufacturers.



YOUR ADVANTAGES IN APPLICATION

Individually adjustable zero point.

Individually calibrated for maximum precision.

Interference-free with LED and flash light sources.

mm display.



Technical data	MTR-125RG
Detection range	125 mm
Numerical	100 mm
Precision levels	5 levels: 0,5 to 10 mm
Range	400 m
Reception	Display and sound
Protection class	IP67
Power supply	2 x AAA batteries
Weight	205 g
Dimensions	135 x 69 x 26 mm



ACCESSORIES

Scope of delivery: Meteor MTR-125RG laser receiver, universal mounting clip, two AAA batteries, Quick Start operating instructions

For work with hand receivers, we recommend laser poles with sliding adapter, item no. 18702000.



SMALL. PRECISE. UNIVERSAL.

16832000

Metor MTR-65 is universal. The MTR-65 RGL model receives rotary and line lasers.

Metor MTR-65 is high-precision. Each device is calibrated individually. The resulting measurement accuracy is among the best on the market.

Metor MTR-65 is powerful. Two strong neodymium magnets hold it securely to any metal profile. Good for interior finishing.

Metor MTR-65 is user-friendly. High-contrast displays on the front and rear ensure quick reading of the measured values.

Metor MTR-65 is convenient. Thanks to compact dimensions and low weight, it fits in any shirt pocket and any case.

The Metor is waterproof, very robust and has a long battery life.



YOUR ADVANTAGES IN APPLICATION

Receiver for rotary lasers and line lasers.

Receiver for red and green laser beams.

Precise with millimetre display.

The Metor is "Made in Germany".



Technical data	MTR-65RGL
Operating pulse frequency	7 kHz - 12 kHz (for line lasers)
Operating time	45 h
Reception angle	+/-45 °
Weight	200 g
Reception field length	60 mm
Protection class	IP67
Range with line laser	up to 75 m (radius) m
Range with rotary laser	up to 200 m (radius) m
Dimensions	135 x 69 x 25 mm
Wavelengths	510- 650 (red, green) nm

ACCESSORIES

Scope of delivery: METOR MTR-65RGL laser receiver, retaining clip, 1 x AA battery.

For work with hand receivers, we recommend laser poles with sliding adapter, Art.-No. 18702000.

LASER RECEIVER WITH ACOUSTIC TONE SIGNAL FOR LINE LASERS

16814000

16829000

The NESTLE DECTO and the DECTO-G laser receiver are suitable for all pulsing line lasers with red and green laser light.

Receiver features integrated horizontal and vertical spirit level for fast and precise alignment of the receiver.

Laser beam display can be read from both the front and the rear.

Acoustic tone signal and LED display indicate the direction in which the laser beam must be moved.

Tone signal is optional and can be switched off.



YOUR ADVANTAGES IN APPLICATION

Ideal for interior fit-out, can also be used outdoors. Easy operation.



Technical data	DECTO	DECTO G
Working range	depending on the laser instrument	depending on the laser instrument
Auto. shutdown	10 min	10 min
Batteries	DC 9 V	DC 9 V
Laser colour	red	green
Reception area	40 mm	35 mm
Accuracy	$\pm 0,5 - 1$ (depending on distance) mm	$\pm 0,5 - 1$ (depending on distance) mm
Weight	160 g	200 g
Dimensions	160 x 55 x 28 mm	149 x 54 x 24 mm

ACCESSORIES

For work with handheld receivers, we recommend laser poles with sliding adapter, Art. No. 18702000.

You can find our matching line lasers in the catalogue from page 44.



PRODUCTS | LASER SYSTEM ACCESSORIES





NESTLE tilt wedge
ALTERNATIVE FOR TILT LASER

64



NESTLE line setup adapter
FOR PRECISE WORKING

65



NESTLE
LOG HOLDING QUICK VERTICAL FIXATION

65



**NESTLE facade and column brak-
ket**

66

FOR LASERS WITH SWITCHABLE AUTOMATIC MODE

13905000

To use the inclination wedge, only two requirements must be met: the tripod must have a 5/8" threaded stud, the laser a 5/8" thread. This is standard for surveying tripods and laser devices.

The laser must be switchable to manual mode. Handling is incredibly easy: mount the inclination wedge with the laser on the tripod and switch the laser to manual mode.

The inclination wedge features a circular spirit level for the vertical setup of the device.

Inclination is adjusted conveniently via a crank.

The scale can be read from 0 - 90° as well as from 0 - 100%

Despite the easy handling, the NESTLE inclination wedge is robust and was designed for daily construction site requirements: the stable metal housing withstands wind and weather without problems, the scales are abrasion-resistant.



YOUR ADVANTAGES IN APPLICATION

The inclination wedge is an affordable alternative to purchasing an expensive inclination lasers.



Technical data	NESTLE tilt wedge
Scale	in ° and %
Weight	2.000 g
Dimensions	190 x 140 x 110 mm
Thread	5/8
Precision / Scaling	adjustable per degree / adjustable per 2 %

ACCESSORIES

We offer rotary lasers with switchable automatic mode:

NESTLE PULSAR HV-R, Art.-No. 16016001.

NESTLE PULSAR HV-G, Art.-No. 16017001.



ACCESSORIES FOR WORKING WITH ROTARY LASERS

NESTLE L-angle 90°, string line adapter for receivers

The axes can be aligned quickly and precisely with a rotary laser using the string line adapter for receivers, thus replacing the scaffolding line.

The L-angle 90° is mounted between the receiver and the retaining clip, allowing the receiver to be attached to the board for vertical use directly above the axis marking.

Use the board holder 13907000 and the L-angle 90° 13937000 for receivers as a set for alignment work on the string line.

NESTLE timber holder

With the timber holder, you can conveniently position a theodolite or rotary laser on a string line.

Fast and secure fixation, plumb above the string line nail.



13937000



13907000

YOUR ADVANTAGES IN APPLICATION

The holders are ideal for work on profile boards.

The screed bracket is particularly suitable for work below the datum line indoors.

Increase flexibility and working comfort.



Technical data	System accessories
Line equipment adapter	Item No. 13937000
Weight	100 g
NESTLE timber holder	Item no. 13907000
Weight	2000g

ACCESSORIES AND SET

Wall mounts in various versions can be found on the pages 48 and 49.



21135000



21139000

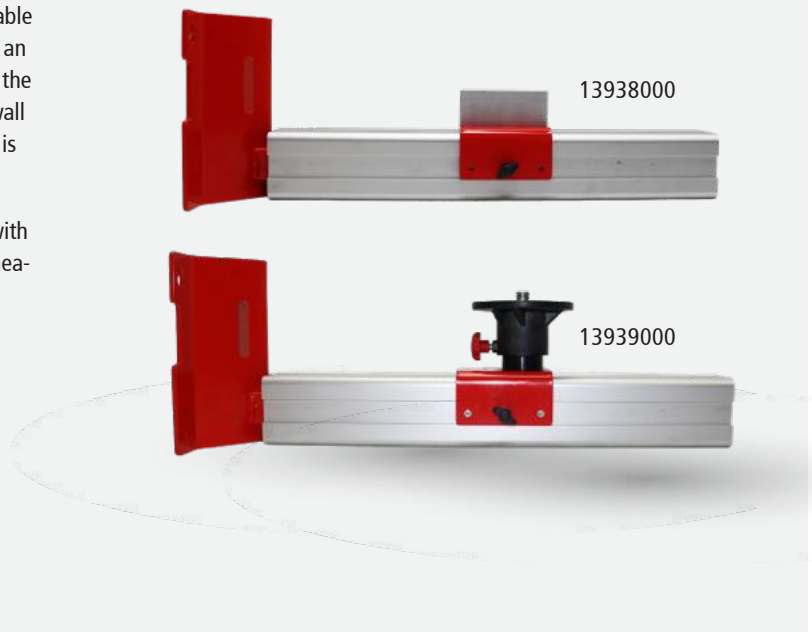
FACADE AND COLUMN CONSOLE

13938000

13939000

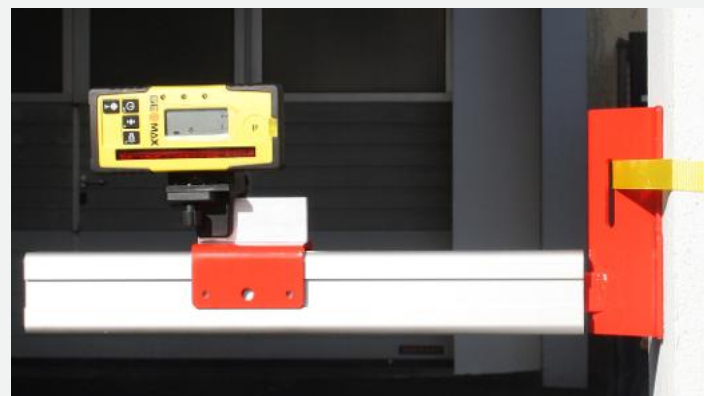
Facade construction: The NESTLE facade and column console is suitable for alignment work with rotary lasers in facade construction and as an instrument holder on columns. Fix both consoles to the wall, attach the rotary laser and receiver to the respective console, set the desired wall distance using the movable slider on the consoles, and your system is ready for vertical alignment work.

As an instrument holder (only 13939000): Fix the console to walls with screws, or to round or square columns with a strap, and station a measuring instrument (e.g. total station) without a tripod.



YOUR ADVANTAGES IN APPLICATION

Fixing with strap or screws to square / round columns or walls.
Facade construction adapter.
Column console for measuring instruments (13939000).
40 cm slider travel.
Stable aluminium profile.



Technical data	Facade / column bracket
Receiver carrier on columns or walls	Part no. 13938000
Wall mounting	with screws
Column mounting	with strap
Length / Max. slide travel	50 cm / 40 cm
Weight	4.200 g
Instrument holder on columns or walls	Art.-No. 13939000
Wall mounting	with screws
Column mounting	with strap
Length / Max. slide travel	50 cm / 40 cm
Weight	4.400 g
Features	screw-on, foldable

FEATURES

NESTLE façade and column brackets, Art.-No. 13938000 and Art.-No. 13939000, are supplied with strap only, without fixing screws.



NESTLE LASER
POLE WORKING AT EYE LEVEL

68

IDEAL FOR WORK WITH ROTARY LASERS DURING LEVELLING TASKS

18702000

The laser pole is the optimal pole for determining a level:

The laser pole with the receiver at the zero mark is extended to the receiver level, a further scale on the front shows you the height of the zero level from the pole's base point.

The two-colour front facilitates determining level- differences. The upper part is divided descending from 50 cm to 0 cm and has a red background. The lower part, however, has a silver back-

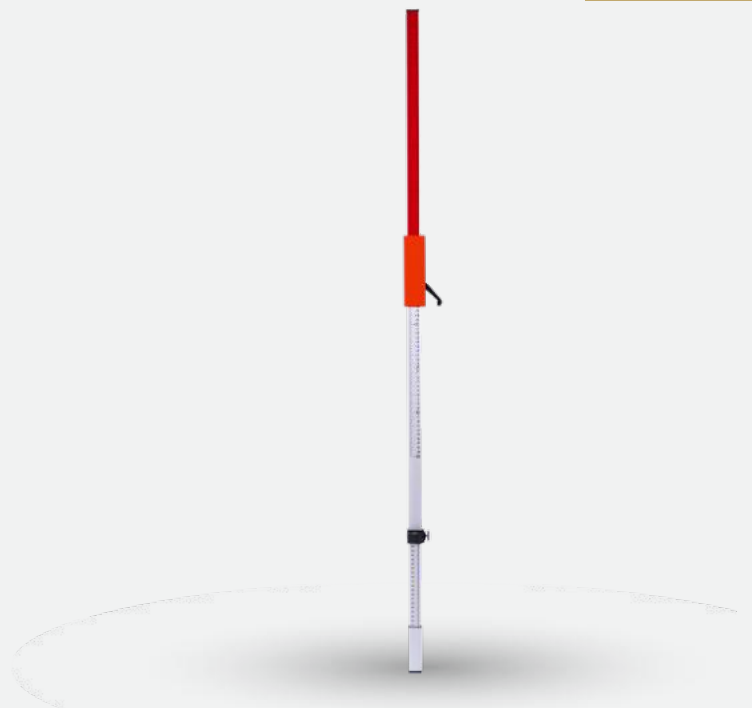
ground and is divided ascending from 0 cm to 50 cm. The receiver is moved along the scale to the receiver level, allowing deviations from the level to be determined in no time.

Lightweight aluminium profile - fits perfectly in the hand.

Silver anodised aluminium profile, protected against all weather influences.

Quick fixation of the laser pole at the correct height with a locking screw.

Including pouch and spirit level.



YOUR ADVANTAGES IN APPLICATION

Simple and fast handling for reliable level control.

Low weight for fatigue-free working.



Technical data	Laser pole
Adapter	with sliding adapter / clamping lever
Length	130 - 240 cm
Weight	1.300 g



ACCESSORIES

For work with the laser pole, a concrete base is optionally available:

concrete base, Art.-No. 18915000.



PRODUCTS | LASER DISTANCE METER



PRODUCTS | LASER DISTANCE METER



NESTLE NDL-
LASER DISTANCE METER

71



NESTLE NDL-100M
LASER DISTANCE METER

71



NESTLE NDL-120C LASER DISTANCE METER

72



» TO FURTHER
DISTANCE METERS «

NESTLE NDL-30M | NDL-100M



LASER DISTANCE METER - FOR QUICK MEASUREMENT WITH LASER PRECISION

24107001

24108001

NESTLE NDL-30M, Art.-No.

A pocket-sized laser distance meter.

Small, lightweight and measures distances up to 30 metres without contact.

Single measurement, continuous, Max/Min, area and volume measurement, Pythagorean measurement.

500 measurements per battery charge.

24107001

NESTLE NDL-100M, Art.-No. 24108001

Handy and compact laser distance meter.

Despite its small size, it measures distances up to 100 metres without contact.

Very good readability thanks to large digits and display illumination.

Fast measurement results.

20 measurement value memory slots.

Single measurement, continuous, Max/Min, area and volume measurement, Pythagorean measurement, painter function, addition and subtraction.

Angle measurement -90° to +90°.

24108001



YOUR ADVANTAGES IN APPLICATION

Handy and compact, easy to transport.

With these distance meters, high-quality work is delivered at any time regardless of the environmental conditions.

Quickly and easily measure distances up to 30 m (NDL-30M) or up to 100 m (NDL-100M).



Technical data	NDL-30M	NDL-100M
Laser class	2	2
Measuring range	0.05 - 30 m	0.05 - 100 m
Resolution	0.001 m	0.001 m
Tolerance	± 5mm	± 2 mm
Reading	m / ft / inch	m / ft / inch
Dimensions	85 x 23 x 12 mm	112 x 50 x 25 mm
Weight	60 g	220 g
Power supply	Li-ion battery - built-in	Li-ion battery - built-in
Charging current	DC 5V > 1A, USB-C	DC 5V > 1A, USB-C
Operating temperature	0°C to +40°C	0°C to +40°C

FEATURES

Scope of delivery: NESTLE NDL-30M laser distance meter, Type-C cable and hand strap

Scope of delivery: NESTLE NDL-100M laser distance meter, USB-C cable, hand strap and pouch



IDEAL FOR WORK WITH ROTARY LASERS DURING LEVELLING TASKS

24111001

- Integrated camera for precise aiming.
- Large, legible backlit LCD-TFT display.
- Memory for up to 100 measured values.
- Diverse measuring modes: distance, area, volume, Pythagoras measurement.
- Waterproof and dustproof for use in all weather conditions.
- USB-C rechargeable lithium-ion battery (built-in).
- Angle measurement 360° (display $\pm 90^\circ$).
- Automatic laser and device shut-off for energy saving.
- Aiming viewfinder: 4x zoom camera.



YOUR ADVANTAGES IN APPLICATION

- Excellent readability thanks to large digits and display backlight.
- Laser range is 120 m.
- The green laser of the NDL-120C is up to four times brighter than red lasers and thus ensures particularly good visibility outdoors or in bright light – a clear advantage on construction sites or in outdoor use.



Technical data	NDL-120C
Laser class	2
Measuring range	0.05 - 120 m
Resolution	0.001 m
Tolerance	$\pm 2 \text{ mm} + d \cdot 1/10000 \text{ mm}$
Reading	m / ft / inch
Dimensions	30 x 61 x 128 mm
Weight	193 g
Power supply	Li-ion battery - built-in
Charging current	DC 5V > 1A, USB-C
Operating temperature	0°C to +40°C
Protection class	IP68

FEATURES

Scope of delivery: NESTLE NDL-120C laser distance meter, pouch, carrying strap and USB-C cable





Fibreglass tape measures

74

Steel tape measures

75

TAPE MEASURES, METROLOGY CLASSICS

18100000...

Tape measures are essential surveying accessories!
 Fibre optic tape measure 13 mm wide.
 Accuracy is increased by parallel glass fibres embedded in plastic.
 Complies with EC type approval D85/1.3.54
 Fibre optic tape measures are available in different frames: V-frame (30 + 50 m), angled frame (20 m) and capsule (10 + 20 + 50 m).
 Tape printed on one side.
 Centimetre graduation.



YOUR ADVANTAGES IN THE APPLICATION

Reliable and robust - Made in Germany!
 Easy to use.

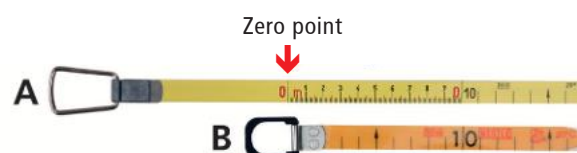


Technical data	Tape measures
V-frame, 30 m	Start A: 18100000 / Start B: 18110000
V-frame, 50 m	Start A: 18101000 / Start B: 18111000
Slanted frame, 20 m	Start A: 18102000 / Start B: 18112000
Capsule, 10 m	Start A: 18103000 / Start B: 18113000
Capsule, 20 m	Start A: 18104000 / Start B: 18114000
Capsule, 50 m	Start A: 18121000



FEATURES

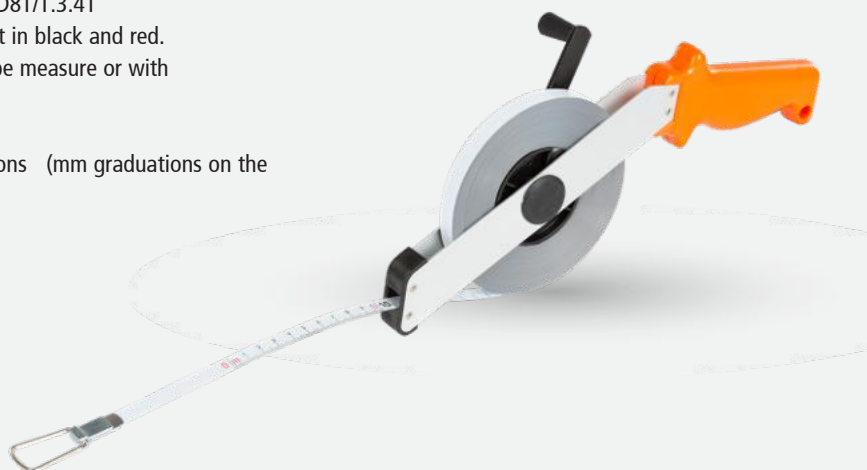
Our tape measures are available with various tape ends. Simply specify the desired end when ordering.



STEEL, WHITE-LACQUERED OR POLYSAN

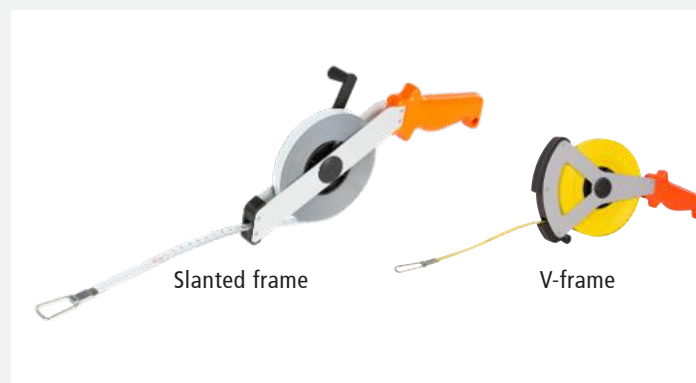
18105000...

Tape measures are essential surveying accessories!
 Steel tape measures are characterised by their high durability.
 Made of hardened and polished steel, 13 mm wide.
 In accordance with EC type approval D81/1.3.41
 The graduations are abrasion-resistant in black and red.
 Available as white-lacquered steel tape measure or with
 polyamide coating Polysan (yellow).
 With V-frame or angled frame.
 Printed on one side with cm graduations (mm graduations on the
 first 10 cm of the tape).



YOUR ADVANTAGES IN THE APPLICATION

Reliable and robust - Made in Germany!
 Proven in application.
 Maximum weather resistance.

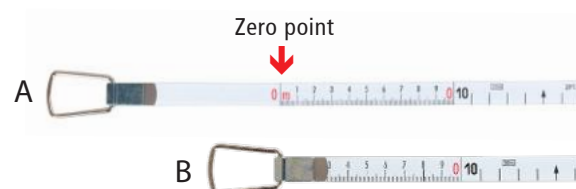


Technical data	Steel tape measure
White lacquered, V-frame, 100 m	Start A: 18105000 / Start B: 18115000
White lacquered, sloped frame, 30 m	Start A: 18106000 / Start B: 18116000
White lacquered, sloped frame, 50 m	Start A: 18107000 / Start B: 18117000
Polysan, V-frame, 30 m	Start A: 18108000 / Start B: 18118000
Polysan, V-frame, 50 m	Start A: 18109000 / Start B: 18119000



FEATURES

Our belt dimensions are available with various belt starts. Simply specify the desired start when ordering.



PRODUCTS | TELESCOPIC METERS



PRODUCTS | TELESCOPIC METERS



NESTLE TELEFIX
TELESCOPIC METERS

78



NESTLE TELEXMAX
TELESCOPIC METERS

79



NESTLE TELEMESS TRUCK HEIGHT
MEASURER

80

TELESCOPE FOR ERGONOMIC HEIGHT READING

For measuring roof heights, ceiling heights and gaps.
 With optional hook also suitable for forestry or for measuring vehicle heights, e.g. HGVs.
 Height measurement with optional geodesy adapter for Telefix, Art. No. 18905000.
 Simple analogue reading of the mm scale at convenient height, without bending or wobbling the telescopic meter.
 Telescopic extension.
 Precise handling via integrated horizontal and vertical spirit levels.
 Tolerance according to MID guidelines.
 Anodised aluminium rectangular tubes provide high stability.
 Double-sided spring-loaded notches prevent parts from collapsing.
 All models include a canvas protective pouch.
 The TELEFIX telescopic meters are available in lengths of 3 m, 4 m, 5 m, 6 m, 8 m and 10 m.

Telefix Geodesy telescopic meter, length 5 m, with adjusting screws, Art. No. 18406001, for use with prisms or laser receivers.
 Telefix 5 m PLUS, length 5 m, reinforced elements, with folding hook 70 cm, Art. No. 18409001.



18400001

18401001

18402001

18403001

18404001

18405001

18406001

18409001

YOUR ADVANTAGES IN THE APPLICATION

Features simple and fast handling.
 Convenient reading.
 High flexibility via optional accessories.



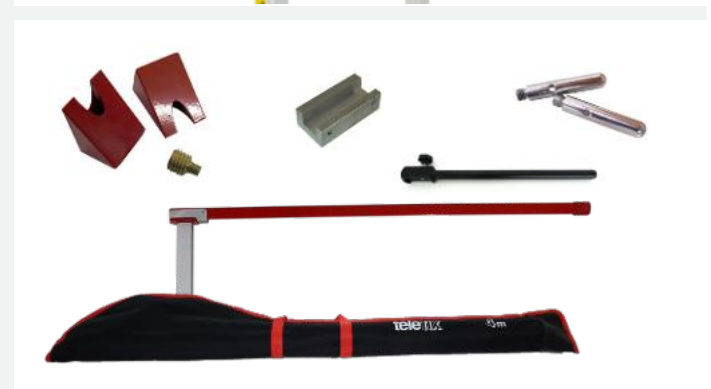
Technical data

Telefix 3 m: 66	300 cm, 1.600 g	Part no. 18400001
Telefix 4 m: 83	400 cm, 1.900 g	Part no. 18401001
Telefix 5 m: 99	500 cm, 2.200 g	Part no. 18402001
Telefix 6 m: 116	600 cm, 2.400 g	Part no. 18403001
Telefix 8 m: 135	800 cm, 3.200 g	Part no. 18404001
Telefix 10 m: 164	1000 cm, 4.400 g	Part no. 18405001
Telefix 5 m Surveying: 104	500 cm, 2.300 g	Part no. 18406001
Telefix 5 m PLUS: 103	500 cm, 3.100 g	Part no. 18409001

Folding beak 70 cm only for Telefix 8 m +10 m	Part no. 18924000
Length / weight	73 cm / 250 g
Features	screw-on, foldable

ACCESSORIES

Triangular tips, Art. No. 18902000; Round tips, Art. No. 18903000
 Threaded stud M8 / 5/8", Art. No. 18904000
 Laser adapter for Telefix 3 m, 4 m, 5 m and 6 m, Art. No. 18906000
 Laser adapter for Telefix 8 m and 10 m, Art. No. 18907000
 Jaw for Telefix, 35 cm, Art. No. 18908000
 Folding jaw 70 cm (only for Telefix 8 m, 10 m; included with Telefix 5 m PLUS) Art. No. 18924000
 Pouches available separately. Please specify length.



FOR SAFE WORKING NEAR LIVE LINES

18407000

- For height measurement of vehicles, eaves, etc.
- Robust construction built for daily site use. Measuring device made of stable glass fibre tubes.
- Telescopic, extendable in 8 parts.
- Analog reading of mm scale with cm numbering via viewing window at convenient height.
- Particularly suitable for measurements near high-voltage- lines, as glass fibre does not conduct electricity.
- Fold-out hook for external dimensions.



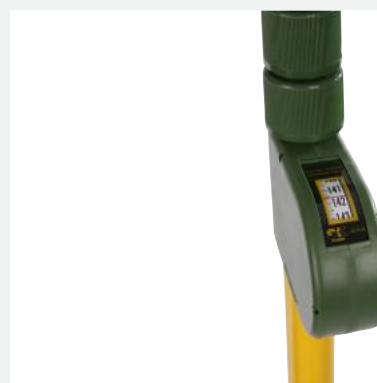
YOUR ADVANTAGES IN THE APPLICATION

- Simple and fast handling.
- Convenient reading.
- Safe measuring near live conductors.



Technical data TELEXMAX

Operating range	140 - 800 cm
Weight	2.000 g



FEATURES

- A canvas protective pouch is included in the scope of delivery.



HGV HEIGHT GAUGE WITH FOLDING HOOK, 5M

18305001

The mm scale on the front measures from top to bottom.
 Telescopic design allows easy transport due to short transport length and low weight.
 Print protected from abrasion by protruding edges.
 Stable push-button detent prevents parts from collapsing.
 Ideal for height measurement of HGVs / commercial vehicles.
 The foldable and lockable hook is plastic-coated and has no hard or sharp edges, so that neither the vehicle nor the load is scratched during measurement.



YOUR ADVANTAGES IN THE APPLICATION

Quick measurement of clear heights.
 Easy to transport.
 Made in Germany.
 HGV height gauge.



Technical data	TELEMESS
Operating range	125 - 500 cm
Weight	1.960 g



FEATURES

Scope of delivery: TELEMESS TM-500, 70 cm folding hook and bag



PRODUCTS | MANHOLE COVER LIFTER



PRODUCTS | MANHOLE COVER LIFTER



NESTLE MANHOLE COVER LIFTER
IDEAL OCCUPATIONAL SAFETY

83

NESTLE MANHOLE COVER LIFTER
ACCESSORIES

84

FOR LIFTING MANHOLE COVERS

Ergonomic device as ideal occupational safety for anyone who frequently has to lift heavy manhole covers.

Ideal for maintenance, road construction and sewer cleaning.

Also for land surveys for new buildings with sewer connections sewer depths must be measured, thus also suitable for surveying- offices.

Suitable for all types of road manholes, thanks to a wide range of hooks for different manhole cover shapes.

Extremely easy to operate the manhole lifter: the manhole cover, insert the lifting bolt and lift the manhole cover without great effort.

Increased leverage through the telescopic guide rod, reducing the required force.

21000001



YOUR ADVANTAGES IN THE APPLICATION

Simple and safe handling.

Using the manhole cover lifter saves your strength and your back!

Easy adjustment to your height via the telescopic guide rod.

Minimises the risk of trapped fingers and toes.



Technical data	NESTLE duct cover lifter
Frame	Metal, powder coated
Wheels	Solid rubber heavy-duty castors
Weight	9.000 g
Minimum / maximum lever	98 - 148 cm
Application range	Manhole covers up to 150 kg (freestanding covers)

ACCESSORIES

Various hooks and an extension are available as optional accessories for the manhole cover lifter.



EXTENSION AND HOOKS FOR THE MANHOLE COVER LIFTER

Thanks to the extensive range of accessories, the manhole cover lifter is equipped for almost all types of manhole covers.

Oil separator covers are no problem.

Two different heavy-duty hooks (15 x 15 mm and 12 x 8 mm) are also available.

Furthermore, you can also choose between two round hooks (standard, 90° angled).

For more recessed manhole openings, we offer an extension in our range.

Extension, item no. 21001000.

Heavy-duty hook 15 x 15 mm, item no. 21002000*.

Heavy-duty hook 12 x 8 mm, item no. 21003000*.

Hook for oil separator covers, item no. 21004000*.

Heavy-duty hook, 20 x 15 mm, item no. 21005000*.

Heavy-duty hook, round, item no. 21006000*.

Standard hook, item no. 21008000.

Cam hook for lifting gully grates, item no. 21009000*.

Heavy-duty hook, round, 90° angled, short version item no. 21011000*.



21001000

21002000

21003000

21004000

21005000

21006000

21011000

21008000

21009000

YOUR ADVANTAGES IN THE APPLICATION

High flexibility through hooks for all common manhole covers.

Hooks for manhole cover lifter SET-7, item no. 21010000: Set consists of all hooks marked with * incl. practical holding ring.



Technical data	Extension and hook
Weight extension	1.000 g
Weight hook	1.000 - 1.500 g
Weight SET-7	4.500 g



FEATURES

Ensure safety when working with the channel cover lifter. We offer:

warning pyramids, e.g. item no. 19400001.



PRODUCTS | WARNING PYRAMIDS + WARNING DEVICES



PRODUCTS | WARNING PYRAMIDS & WARNING DEVICES



NESTLE warning pyramid
DAY LIGHT, WHITE

87



NESTLE warning pyramid
RETROREFLECTIVE

87



NESTLE warning pyramids YELLOW

88



NESTLE warning pyramid
RETROREFLECTIVE, YELLOW

88



NESTLE warning lights
EMERGENCY AND SIGNAL LIGHT

89



NESTLE warning flags FOR PROTECTION
AND SIGNALLING

90

DAY-GLOW WHITE AND RETROREFLECTIVE

19000001...

For securing construction sites, surveying work and for Notice of all types of hazard situations.

Our warning pyramids are highly variable. You can choose between the following symbols: exclamation mark (VZ101), shovel man (VZ123) and burning cigarette. In addition, you can choose from over 200 different inscriptions which specifically indicate the type of hazard.

The warning pyramids are available in 70 cm and 90 cm side lengths.

Furthermore, you can choose between light-duty warning pyramids with a central foot and heavy-duty versions with a spring mechanism without a central foot.

To withstand changing weather conditions, the frames are robust and rust-protected, made of anodised aluminium or powder-coated steel (spring mechanism).

All warning pyramids are equipped with a standardised adapter and a foldable carrying handle.

Cover made of hard-wearing, PVC-coated plastic fabric in white, triangle in red fluorescent colour.

Warning pyramids with retroreflective covers offer the advantage, especially at night, that they reflect the light from oncoming vehicles ideal for use in twilight and darkness.

YOUR ADVANTAGES IN THE APPLICATION

Increased safety on construction sites, during surveying and work in hazardous areas.

Uncomplicated setup and small transport dimensions.

Technical data	Warning pyramid, 70cm	Warning pyramid, 90cm
Inscription	On request	On request
Symbols	Link via QR code	Link via QR code
Reference	Luminescent white or retroreflective	Luminescent white or retroreflective
Weight	Lightweight ver.: 1.700g Heavy ver.: 2.900g	Lightweight ver.: 2.300g Heavy ver.: 3.400g
Size	70 cm	90 cm
Mechanism	Light ver.: w. midfoot, w/o spring Heavy ver.: w. spring, w/o midfoot	Light ver.: w. midfoot, w/o spring Heavy ver.: w. spring, w/o midfoot
Frame	Alu frame (light ver.) or steel frame (heavy ver.)	Alu frame (light ver.) or steel frame (heavy ver.)

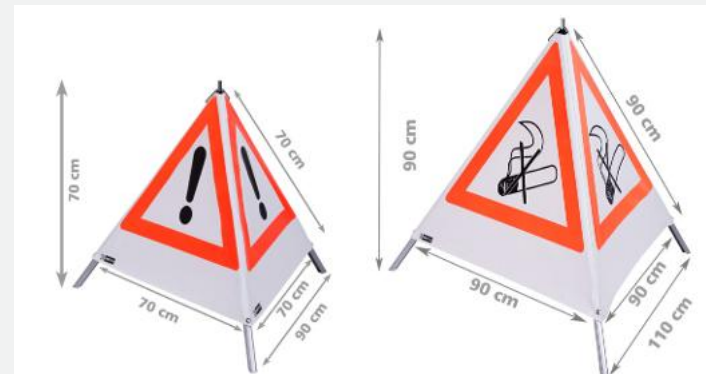
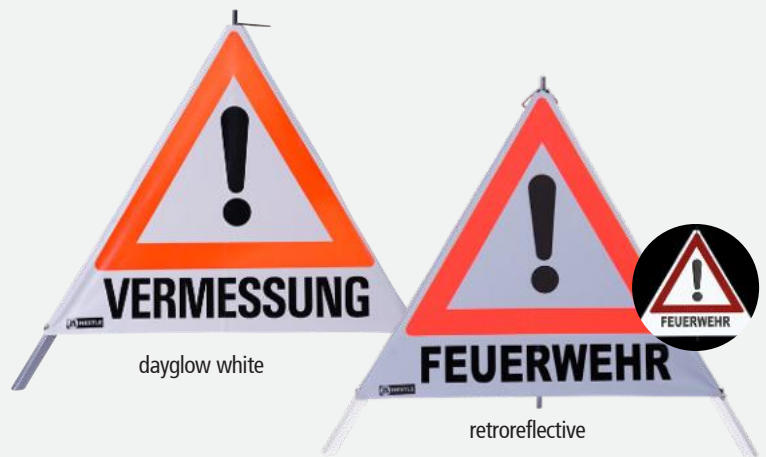
ACCESSORIES

All warning pyramids are supplied in a protective case.

Rod weight 2.000g for warning pyramids with middle foot, Art.-No. 19901000.

Rod weight 1.100g for warning pyramids with spring, Art.-No. 19900000.

Warning pyramids	Part numbers
70 cm, VZ101 (Attention)	Daylight white: 19400001 / with spring: 19000001 Retroreflective: 19402001 / with spring: 19002001
70 cm, VZ123 (Shovel man)	Luminous white: 19500001 / With spring: 19100001 Retroreflective: 19502001 / With spring: 19102001
70 cm, No smoking	Luminous white: 19600001 / With spring: 19200001 Retroreflective: 19602001 / With spring: 19202001
90 cm, VZ101 (Attention)	Luminous white: 19404001 / With spring: 19004001 Retroreflective: 19406001 / With spring: 19006001
90 cm, VZ123 (Schaufelmann)	Luminous white: 19504001 / With spring: 19104001 Retroreflective: 19506001 / With spring: 19106001
90 cm, No smoking	Luminous white: 19604001 / With spring: 19204001 Retroreflective: 19606001 / With spring: 19206001



YELLOW AND RETROREFLECTIVE YELLOW

19001001...

Warning pyramid with yellow base and red triangle or retroreflective yellow with bright red triangle.

For securing construction sites, surveying work and to indicate hazard situations of all kinds.

Our warning pyramids are highly versatile. You can choose between attention symbols (VZ101), shovel man (VZ123) and burning cigarette. Furthermore, you can choose from over 200 different inscriptions which specifically indicate the type of hazard.

The warning pyramids are available in 70 cm and 90 cm side lengths.

Additionally, you can choose between warning pyramids in light ver. with midfoot and heavy ver. with spring mechanism without midfoot.

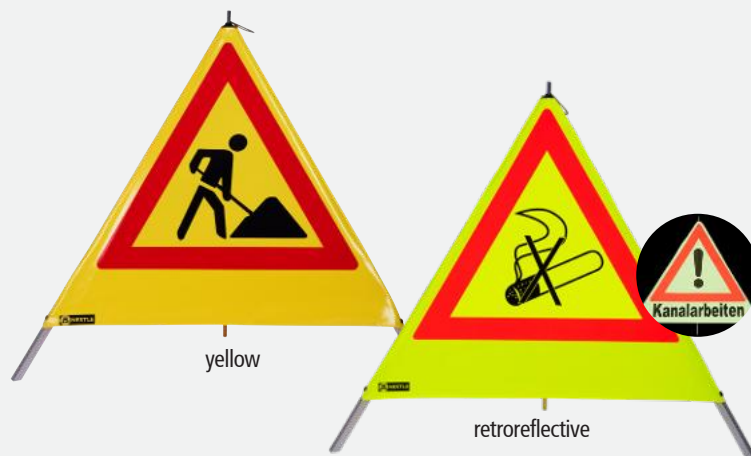
To withstand changing weather conditions, the frames are robust and rust-protected, made of anodised aluminium or powder-coated steel (spring mechanism).

All warning pyramids are equipped with a standardised adapter and folding carrying handle.

Warning pyramids with retroreflective covers offer the advantage, especially at night, that they reflect the light of oncoming vehicles ideal for use in twilight and darkness.

YOUR ADVANTAGES IN THE APPLICATION

The bright yellow colour also ensures higher visibility during the day. Uncomplicated setup and small transport size.



Technical data	Warning pyramid, 70cm	Warning pyramid, 90cm
Inscription	On request	On request
Symbols	Link via QR code	Link via QR code
Reference	Yellow or retroreflective yellow	Yellow or retroreflective yellow
Weight	Lightweight ver.: 1.700g Heavy ver.: 2.900g	Lightweight ver.: 2.300g Heavy ver.: 3.400g
Size	70 cm	90 cm
Mechanism	Light ver.: w. midfoot, w/o spring Heavy ver.: w. spring, w/o midfoot	Light ver.: w. midfoot, w/o spring Heavy ver.: w. spring, w/o midfoot
Frame	Alu frame (light ver.) or steel frame (heavy ver.)	Alu frame (light ver.) or steel frame (heavy ver.)

ACCESSORIES

All warning pyramids are supplied in a protective pouch.

Rod weight 2.000g for warning pyramids with central base, Art.-No. 19901000.

Rod weight 1.100g for warning pyramids with spring, Art.-No. 19900000.

Warning pyramids	Part numbers
70 cm, VZ101 (Attention)	Yellow: 19401001 / with spring: 19001001 Retroreflective yellow: 19403001 / with spring: 19003001
70 cm, VZ123 (Shovel man)	Yellow: 19501001 / With spring: 19101001 Retroreflective yellow: 19503001 / With spring: 19103001
70 cm, No smoking	Yellow: 19601001 / With spring: 19201001 Retroreflective yellow: 19603001 / With spring: 19203001
90 cm, VZ101 (Attention)	Yellow: 19405001 / With spring: 19005001 Retroreflective yellow: 19407001 / With spring: 19007001
90 cm, VZ123 (Schaufelmann)	Yellow: 19505001 / With spring: 19105001 Retroreflective yellow: 19507001 / With spring: 19107001
90 cm, No smoking	Yellow: 19605001 / With spring: 19205001 Retroreflective yellow: 19607001 / With spring: 19207001

9-IN-1 EMERGENCY AND SIGNAL LIGHT

The LED warning light is extra bright and equipped with a strong magnet. It is specially designed for use in the dark, in rain, fog, and smoke. The solid and robust construction (shock, vibration and water-proof) allows it to withstand the heaviest loads. Not approved for road traffic!

9 possible flash patterns: strong steady light, weak steady light, 2 lit LEDs, 4 lit LEDs, rotating light, fast flashing light, slow flashing light, alternating flashing light, SOS flashing light.

Attach using the magnet, or hang by the loop.

19813000

19818000



YOUR ADVANTAGES IN THE APPLICATION

With strong-adhesion magnet.

Shock, vibration and water resistant.

Highly visible at night and from a distance.



Technical data

Warning lights

Battery	1 x Li-ion (included)
Duration	approx. 10 hours (depending on flashing mode)
Weight	200 g
Outer dim.	Ø 130 mm x 35 mm

FEATURES

NESTLE LED warning light, orange : Art.-No. 19818000

NESTLE LED warning light set, 6 x orange warning lights, in case : Art.-No. 19813000 (see illustration)

Scope of delivery: warning light(s), charger, cigarette lighter, operating instructions, case (set only)



SECURE AND SIGNAL

19802000

NESTLE warning flags offer a flexible way to secure and signal at construction sites, accident and hazard areas.

The warning flags are also ideal for attachment to the shovel of clearing vehicles.

Made of durable and tear-resistant textile fabric (blows well in the wind) with a stable wooden pole.

With a size of 50 x 50 cm and eye-catching warning stripes, the flag is clearly visible and provides early warning to oncoming traffic.

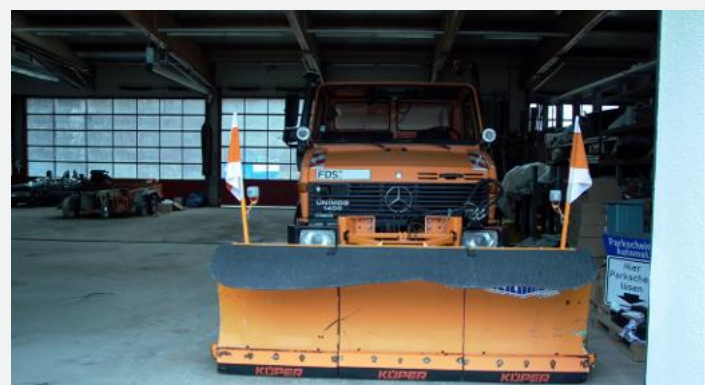


YOUR ADVANTAGES IN THE APPLICATION

Flexible application possibilities.

An asset to your safety.

Easy to transport.



Technical data	Warning flag
Colour	white/orange/white
Size	50 x 50 cm
Wooden handle	80 cm
Rod diameter	21 mm
VPE	40 pieces

ACCESSORIES

Ensure extra safety during your work. We offer you:

Warning pyramids, e.g. Art.-No. 19400001.



PRODUCTS | GEOMATIK





NESTLE GNPS-52
SATELLITE POSITIONING

93



NESTLE Universal Case
ACCESSORIES

94



» TO FURTHER
GEOMATICS PRODUCTS «

GPS SURVEYING MADE EASY - EASY AS THAT!

26052001

The NESTLE GNPS-52 is a precise, lightweight, mobile satellite positioning system for point recording and point staking in topography, documentation, construction and volume measurements.

Simultaneous use of 4 satellite systems (GPS, GLONASS, GALILEO, BEIDOU).

Wireless connection between antenna and Controller.

RTK real-time positioning for the recording and staking of points and geometric shapes.

GNPS-52 is the benchmark for satellite positioning systems in the entry-level class.

Proprietary and user-friendly NESTLE on2go software.



YOUR ADVANTAGES IN APPLICATION

Quick and easy to learn.

Perform surveying tasks independently without specialist knowledge.

Import and export numerous formats (e.g. DXF, KML, CSV, SHP,).

System ready for measurement in seconds.



Technical data	GNPS-52
Weight	1500 g
Working height	2 m
GNSS tracking	GPS, Glonass, Beidou, Galileo
Operating temperature	-20°C to +60°C
IP protection class	Antenna IP67, Controller IP68
Power supply	Li-Ion antenna (fixed), Li-Ion Controller (interchangeable)
Accuracy (RTK Fixed)	1 cm + 1ppm
Battery life	Antenna 10 hours, Controller 15 hours
Antenna channels	1408
Pole	Carbon pole, telescopic 2m, 20' spirit level, quick adapter
Field software	NESTLE on2go permanent (non-transferable)

FEATURES

Scope of delivery: GNPS-52 antenna, charging unit and cable for GNPS-52 antenna, antenna pole with spirit level, height adapter with 5/8" internal thread, NC-6 Controller with Li-Ion battery, charging unit and cable for NC-6, Controller holder, H2C pole holder for Controller holder, NESTLE on2go field software (permanent), QR code for operating instructions and carrying case



THE PERFECT HELPER. WITH IP67 PROTECTION AND FOAM INSERT

26020000

26026000

The NT300 and NT400 universal cases – black with shockproof and waterproof housings – are suitable for the secure transport of high-quality and sensitive devices (e.g. Controller).

The foam cubes of the internal liner allow for easy individual organisation.

Universal cases available in two sizes:

NT300, item no. 26020000: suitable for a Controller as well as the matching NESTLE Controller holder.

NT400, item no. 26026000: offers additional space (e.g. for a 360° prism).



YOUR ADVANTAGES IN APPLICATION

- IP67.
Shockproof and waterproof.
With variable foam insert.
Particularly suitable for Controller.
Pressure valve and lever latches for easy opening.
Excellent for all sensitive items (e.g. Controller or prisms).

Technical data	Universal case
Protection class	IP67
Dimensions / Weight NT300	336 x 300 x 148 mm / 1.800 g
Dimensions / Weight NT400	464 x 366 x 176 mm / 3.000 g
External equipment	Carrying handle, 2 lever locks, pressure valve
Internal equipment	Foam cube in base + egg-crate foam in lid
Colour	black
External material	Polypropylene copolymer



ACCESSORIES

We also offer

- Tripod bags, e.g. item no. 13931001
- Prism/pole bags, e.g. item no. 14977001



PRODUCTS | LEVELLING & THEODOLITES



PRODUCTS | LEVELLING & THEODOLITES



NESTLE NAL

AUTOMATIC LEVELLING INSTRUMENTS

97



NESTLE NLS

AUTOMATIC LEVELLING INSTRUMENTS

98



NESTLE Theodolite ELECTRONIC THEODOLITES

99

EXCELLENT OPTICS WITH SUPERIOR WORKMANSHIP.

The NAL series levels feature a robust and high-quality design. The air-damped, precision-working compensator and the excellent optics make NAL levels a reliable partner for your daily height transfers and levelling work at an optimal price-performance ratio.

- Available with 24x, 28x, or 32x magnification.
- Graduated circle with gon division for horizontal angle measurement.
- Determination of the height difference between several points.
- Optical distance measurement using two stadia hairs.
- Staking out the height of a point.
- Easily accessible dual-sided control knobs for fine adjustment.
- Large, ergonomically shaped knob for focusing.
- Housing sealed according to protection class IP54 and thus splash-proof.
- Lower housing made of aluminium, cover and control knobs made of plastic.

NAL 24 with 24x magnification, Art. No. 15041001

NAL 28 with 28x magnification, Art. No. 15043001

NAL 32 with 32x magnification, Art. No. 15045001



15041001

15043001

15045001

YOUR ADVANTAGES IN APPLICATION

- Robust and precise with optimal value for money.
- Excellent appearance with above-average build quality.



Technical data	NESTLE NAL Series
Aperture	40 mm
Compensator	air-damped
Vernier scale	400 gon
Accuracy at 1 km Double levelling	NAL 24: $\pm 2,0$ mm
–	NAL 28: $\pm 1,5$ mm / NAL 32: $\pm 1,0$ mm
Tolerance compensator	NAL 24: $< 0,5''$ / NAL 28: $< 0,4''$ / NAL 32: $< 0,3''$
Multiplication constant	100
Minimum target distance	0,5 m
spirit level	8 / 2 mm
Dimensions / Weight	200 x 135 x 140 mm / 1.450 g
Protection class	IP54

ACCESSORIES AND SET

Scope of delivery: levelling instrument, plumb bob, adjustment tool, operating instructions, case.

NAL levelling instruments are also available in a set with an aluminium tripod (lightweight design, item no. 13000000) and a 5 m telescopic levelling staff (including pouch and spirit level, item no. 18210000):

NAL 24 levelling set: Item no. 15042001

NAL 28 levelling set: Item no. 15044001

NAL 32 levelling set: Item no. 15046001



LEVELLING INSTRUMENT FOR CONSTRUCTION AND ENGINEERING

15010001

15012001

The NLS series from NESTLE presents an ideal range of levelling instruments for construction and engineering:

- Available with 24x or 32x magnification.
- Horizontal angle measurement.
- Determination of height difference between several points.
- Optical distance measurement using two stadia hairs.
- Staking out the height of a point.
- Fine adjustment via the magnetically damped compensator.
- Control knobs are easily accessible.
- Housing sealed according to protection class IP65 - thus the device is usable in all weather conditions.
- Housing base made of aluminium, cover and control knobs made of plastic.
- NLS 24 with 24x magnification, Item No. 15010001.
- NLS 32 with 32x magnification, Item No. 15012001.



YOUR ADVANTAGES IN APPLICATION

- Superior workmanship - robust and precise in use.
- Outstanding optics.



Technical data	NESTLE NLS series
Aperture	NLS 24: 36 mm / NLS 32: 42 mm
Compensator	magnetically damped
Vernier scale	400 gon
Accuracy over 1 km	NLS 20: $\pm 2,5$ mm / NLS 24: $\pm 2,00$ mm
Double levelling	NLS 32: $\pm 1,0$ mm
Tolerance compensator	NLS 20/24: $< 0,5''$ / NLS 32: $< 0,3''$
Multiplication constant	100
Minimum target distance	Approx. 0,6 m
spirit level	8 / 2 mm
Dimensions	220 x 140 x 150 mm
Weight	1.700 g
Protection class	IP65

ACCESSORIES AND SET

Scope of delivery: levelling instrument, plumb bob, adjustment tool, operating instructions, case.

The NLS levelling instruments are also available as a set including an aluminium tripod (lightweight quality version, item no. 13100000) and a 5 m telescopic levelling staff (including pouch and spirit level, item no. 18203000):

NLS 24 levelling set: item no. 15011001

NLS 32 levelling set: item no. 15013001



FOR ALIGNING AND CHECKING CONSTRUCTION AXES

The DT-400 series is an electronic theodolite with a digital angle measuring unit.

The theodolite is suitable for measurements in surveying, railway, construction, mining, engineering, etc.

Available optionally with an optical plummet (Art. No. 15103000) or with a laser plummet (Art. No. 15104000).

Both level tube and circular spirit level for rapid levelling. Switchable between degrees, gon and mil.

15103000

15104000



YOUR ADVANTAGES IN APPLICATION

Quick reading of the dual-sided displays.

Large and easy-to-read digits in the display.

Tripod included.

Integrated function for field checking and adjustment.



Technical data	DT-405 / DT-405L
protection class / laser class	IP54 / 2
Dimensions	153 x 175 x 340 mm
Weight	4.300 g
Magnification	30x
Angle measurement accuracy	5"
Laser plumb accuracy	± 1,0 mm / 1,5 m (only 15104000)
Aperture	Ø 45 mm
Minimum target distance	approx. 100 cm
Operating temperature	-20°C to +50°C



ACCESSORIES AND SET

instrument, charging station, battery, operating instructions, Battery compartment for 4 x AA batteries, adjustment tool, rain cover, carrying case with shoulder strap, tripod.

In addition to theodolites, we offer the complete range of accessories.

Wooden tripods, see page 27.

Angle eyepiece for vertical views, item no. 15902000, see figure.

Plank holder, item no. 13907000, see figure or p. 65.



PRODUCTS | PRISM AND GNSS POLES



PRODUCTS | PRISM AND GNSS POLES



NESTLE MINI prism poles
FLEXIBILITY DURING SURVEYS

103



NESTLE MIDI prism pole
EASY OPERATION-PERFECT RESULTS

104



NESTLE prism pole WITH SCREW CLAMP

105



NESTLE prism pole
WITH PRESSURE CLAMP

106



NESTLE robotic pole
260 PR-1

107



NESTLE combination pole
350 PK-1

108



NESTLE GNSS poles
MADE OF CARBON

109



NESTLE GNSS antenna pole
PS-9

110



NESTLE GNSS poles
CARBON, TWO-PART

111

PRODUCTS | PRISM AND GNSS POLES



NESTLE GNSS pole
CARBON, PO-9

112



NESTLE GNSS pole
CARBON, PT-9

113



Prism poles ACCESSORIES

114



NESTLE bipod strut
P2-Y

118



NESTLE tripod
P3-Y

118



NESTLE Mini DUAL-LEG STRUT P2-MIN

119



NESTLE mounting system
HB-S

120



NESTLE mounting system
H2C

121



NESTLE MOUNTING SYSTEM OVERVIEW

122

FLEXIBLE IN USE - UNIVERSALLY APPLICABLE!

Miniature poles for all types of surveying in construction and cadastral surveying.

With these miniature poles, you can align your reflector very close to the ground point. The error resulting from a slightly misaligned circular spirit level is thus significantly weaker than with a normal-length pole.

Robust all-metal construction with adjustable circular spirit level.

PN-2, Art.-No. 14000000 with 5/8 indestructible carbide tip.

PN-3, Art.-No. 14001000 with Leica connection. Stainless steel tip.



YOUR ADVANTAGES IN APPLICATION

Increase flexibility during surveys in cramped spaces, e.g. under vegetation.

Also very suitable for cutting in profile stakes.



Technical data	NESTLE MINI prism poles
14000000	5/8-inch
Weight	160 g
14001000	Leica connection
Weight	320 g

FEATURES

Scope of delivery: mini prism pole with 5/8-inch connection or with Leica connection



SIMPLE OPERATION - PERFECT RESULTS!

With MIDI poles for all types of surveying in construction and cadastre.

At a length of 50-80 cm, the MIDI pole can be positioned closer to the ground point than standard prism poles. Thus, the resulting error from non-plumb setup is significantly lower.

Lightweight and space-saving to transport.

Aluminium tip with carbide insert. The carbide does not wear down even after years of use.

Special laser engraving process makes the scale indestructible.

PD-2, Art. No. 14002000 with 5/8" connection.

PD-3, Art. No. 14003000 with Leica connection.



YOUR ADVANTAGES IN APPLICATION

- Ideal for precise measurements with limited setup options, e.g. under canopies or in dense vegetation.
- The laser engraving remains permanently visible, allowing for accurate height measurements without needing to re-measure.
- The carbide tip does not wear down - thus preventing any distortion of the measurement result due to blunt tips.



Technical data	NESTLE MIDI prism poles
Clamping	Screw clamp
Length	50 - 80 cm
Weight	400 g
Connection	14002000: 5/8 14003000: Leica

ACCESSORIES

A mini ranging pole tripod is available specifically for the Midi poles, Art.-No. 11900000.



UNIVERSAL PRISM POLE WITH SCREW CLAMP 130-215CM

14004000

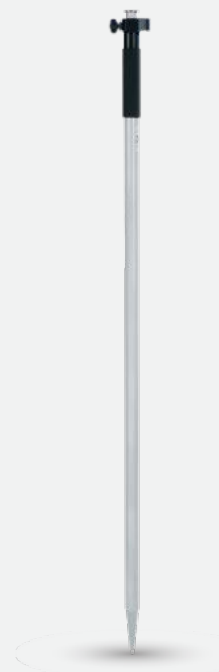
Pole for all types of surveying in construction and cadastre.
Simplest operation: set the correct height with one hand, clamp the wing screw with the other.
Our poles also take a leading role in terms of robustness:

Außen- und Innenrohr sind unempfindlich gegen Witterungseinflüsse.
Innenrohr stoßgedämpft - schützt Prisma und Stab.

Durch ein spezielles Laserbeschriftungsverfahren ist die Skalierung unverwundlich.

Spitze aus Aluminium mit Hartmetall-Einsatz. Das Hartmetall ist in den Stab eingepresst und nutzt sich auch bei jahrelangem Einsatz nicht ab.

Im Lieferumfang ist ein Adapter enthalten, der an das entsprechende Prisma angepasst wurde (Leica, Zeiss, Sokkia...) und die Kippachsenhöhe des Prismas an die Skala des Prismenstabes angleicht.



YOUR ADVANTAGES IN APPLICATION

The laser marking remains permanently visible, thus working at height accuracy without the need to re-measure.

The carbide tip does not wear down - thus no distortion of the measurement result due to blunt tips.

High flexibility through optional adapters for every common prism.



Technical data	NESTLE Universal prism pole
Clamping	Screw clamp
Length	130 - 215 cm
Weight	800 g
Adapter	One adapter included
Connection	Female M12 with adapter



ACCESSORIES

For working with our prism poles, we offer bipods, prism pole tripods and prisms.

Bipod for poles with Ø 08-12 mm and 22-32 cm, Art.-No. 14803001

Prism pole tripod, Art.-No. 11901000

Prism, Art.-No. 14100000

Prism pole pouch, Art.-No. 14944000 for PA-1-D (14005000);

PA-3-D (14014000), PA-1-S (14004000)



UNIVERSAL PRISM POLES WITH PRESSURE CLAMPING 130-215CM

14005000

14014000

With prism pole for all types of surveying in construction and cadastral services.

Simplest operation: use one hand to set the correct height, use the other hand to hold down the push button.

Our prism poles also take a pioneering role in terms of robustness:

Outer and inner tubes are insensitive to weather influences.

A special laser engraving process makes the scale indestructible.

Stainless steel tip.

An adapter is included in the scope of delivery, which has been adapted to the corresponding prism (Leica, Zeiss, Sokkia...) and aligns the tilt axis height of the prism with the scale of the prism pole.



YOUR ADVANTAGES IN APPLICATION

The laser engraving remains permanently visible, thus allowing one to work with height accuracy without needing to re-measure.

High flexibility through optional adapters for every common prism.



Technical data NESTLE Universal prism pole

PA-1-D, Item No. 14005000

Clamping Pressure clamping

Length 130 215 cm

Weight 800 g

Adapter One adapter included

Connection Female M12 with adapter

PA-3-D, Item No. 14014000

Adapter Leica pre-assembled



ACCESSORIES

Prism pole pocket, Art.-No. 14944000 for PA-1-D (14005000); PA-3-D (14014000)



LOW WEIGHT - COMFORTABLE HANDLING!

14032000

Carbon prism pole for all types of surveying in construction and cadastral.

Carbon outer tube. The carbon ensures comfortable handling even at low temperatures.

Tip with carbide insert.

A special laser engraving process makes the scale indestructible.

Shock-absorbing inner tube - protects prism and pole.

With locking options - to secure pole extension when using heavy prisms or GNSS antennas (1,60 m, 1,80 m, 2,00 m, 2,20 m, 2,40 m).

Clamping acts on the entire circumference of the inner tube - the inner tube thus remains exactly in the centre.

An adapter is included in the scope of delivery. This allows the scale offset to be adjusted to the tilt axis dimension of your prism. (When ordering please specify prism type).

For GNSS measurements, you can optionally obtain the GNSS adapter, item no. 14934000. This reduces the scale offset to zero, as is standard for GNSS antennas.



YOUR ADVANTAGES IN APPLICATION

Carbon for comfortable working, even at low temperatures

Additional locking option ensures heavy prisms or antennas are held at the exact height - even when the pole is set down hard.

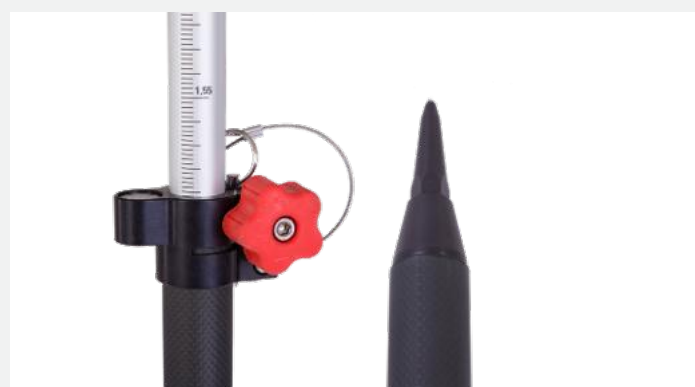


Technical data	NESTLE robotic pole PR-1
Clamping	Screw clamp
Diameter	Outer tube 32 mm, inner tube 25 mm
Work area	150-260 cm
Transport dimension	135 cm
Weight	900 g
Connection	Female M12 with adapter
Special feature	5 lockings possible via pin

ACCESSORIES AND SET

GNSS adapter, Art.-No. 14934000.

Bag for carbon poles up to 143 cm, item no. 14977001.



DOUBLELY TELESCOPIC COMBINED POLE MADE OF CARBON

14031000

Prism and antenna pole for all types of surveying in construction and cadastre.

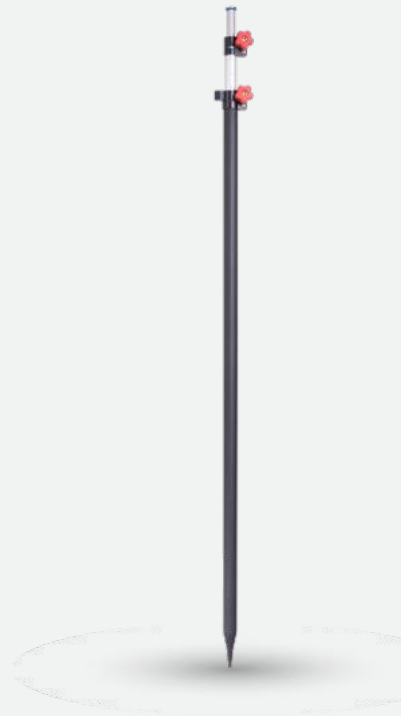
Simplest operation: set the correct height with one hand, clamp with the other.

With a height of up to 3,50 m, the pole is ideally suited for measurements in hilly- terrain or in built-up and heavily vegetated areas. Inner tube shock-absorbed - protects prism and pole.

An adapter is included in the scope of delivery. This allows the scale offset to be adapted to the tilt axis dimension of your prism.

For GNSS measurements, you can optionally obtain the GNSS adapter, item no. 14934000. This brings the scale offset to zero, as is customary for GNSS antennas.

A special laser engraving process makes the scale indestructible.



YOUR ADVANTAGES IN APPLICATION

Carbon for comfortable working, even at low temperatures

Maximum working height 3,50 m.



Technical data	Combination Pole 350 PK-1
Clamping	Screw clamp
Diameter	Outer tube 32 mm, inner tube 25/18 mm
Work area	151-365 cm
Transport dimension	138 cm
Weight	1.300 g
Connection	Female M12 with adapter
Special feature	Double telescopic

ACCESSORIES

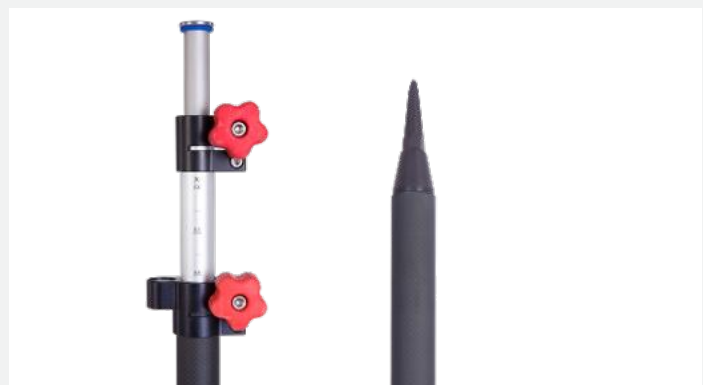
For working with our prism poles, we offer bipods, tripods and prisms.

Bipod for poles with Ø 08-12 mm and 22-32 cm, Art. No. 14803001

Tripod, Art. No. 14817001.

Prism, Art. No. 14100000.

Bag for carbon poles up to 143 cm, item no. 14977001.



LIGHTWEIGHT - CONVENIENT HANDLING - TELESCOPIC!

For all types of GNSS measurements.
Carbon outer and inner tube - pleasant handling even at low temperatures.

Tip with carbide insert.

The pole is telescopic with locking at 1,60 m, 1,80m, 2,00 m.

For ergonomic working, both poles have a telescopic section with 132 cm, allowing Controllers to be attached at a pleasant working height.

The screwable sand plate prevents the pole from sinking into soft terrain during surveys and staking out. Can be screwed onto the tip, e.g. for exact centring.

PG-2, Art.Nr 14028000 without screwable sand plate.

PG-5, Art.Nr. 14030000 with screwable sand plate.

PG-9, Art.Nr 14041000 without screwable sand plate with Quick-out.



YOUR ADVANTAGES IN APPLICATION

Carbon for comfortable working, even at low temperatures.

The carbide tip does not wear down - thus preventing measurement errors caused by blunt tips.

Long outer tube for ergonomic working.

Easy to transport and clean.



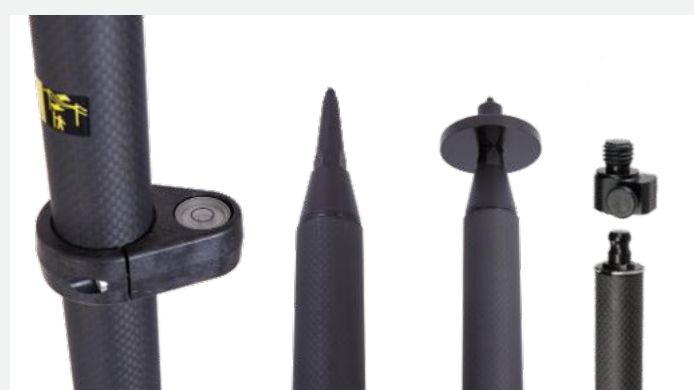
Technical data	Carbon GNSS pole PG-2, PG-5 & PG-9
Clamping	Screw clamp
Diameter	Outer tube 32 mm Inner tube 25 mm
Working area	Locking 1,60 m / 1,80 m / 2,00 m
Transport dimension	134 cm
Weight	PG-2 = 700 g; PG-5 = 730 g; PG-9 = 750 g
Connection	5/8
Special feature	Carbon-carbon, telescopic, 3-stage locking

ACCESSORIES AND SET

Bipod for poles with Ø 08-12 mm and 22-32 cm, Art.-No. 14803001

Various pole holders

Bag for carbon poles up to 143 cm, item no. 14977001.



LIGHTWEIGHT, NARROW ANTENNA POLE FOR SURVEYS

14023000

Due to being lightweight, the PS-9 is particularly suitable for GIS measurements, but also for all other surveys with lightweight antennas.

Outer tube, Ø 25 mm, and inner tube, Ø 20 mm, are made of carbon.

A quick-release mechanism allows the pole to be extended easily and quickly.

The upper 5/8" connection can be quickly removed from the pole using a push button (quick-out), enabling particularly flexible and fast working.



YOUR ADVANTAGES IN APPLICATION

Carbon for comfortable working, even at low temperatures.

Quick-out with 5/8".

Lightweight and slim.

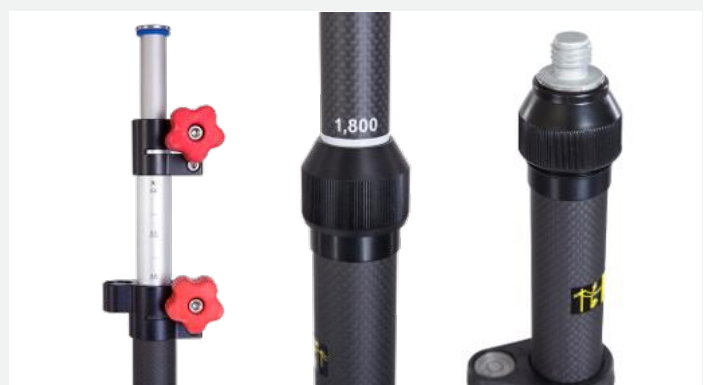
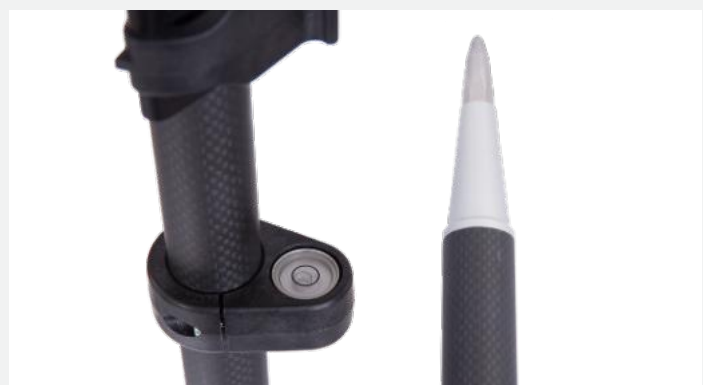
Excellent for GIS applications.



Technical data	Carbon antenna pole PS-9
Clamping	Quick eccentric
Diameter	Outer tube 25 mm, inner tube 20 mm
Work area	115 cm - 200 cm
Transport dimension	117 cm
Division	160, 180, 200 cm
Weight	480 g
Connection	5/8" with quick-release
Special feature	Lightweight, slim, quick-release

NOTE

Please also note our two-piece and telescopic antenna poles, see pp. 107 and 108.



LIGHTWEIGHT - COMFORTABLE HANDLING - TWO-PART!

14010000

For all types of GNSS measurements.

The two-part GNSS pole is ideal for surveying tasks, in which numerous measurements must be taken.

Surprisingly lightweight - less effort is required. For vertical positioning, the lower part of the pole is equipped with a circular spirit level.

The aluminium tip contains a pressed-in pin made of indestructible carbide, which shows no signs of wear even during prolonged use under the harshest conditions.

The carbon ensures pleasant handling even at cold temperatures.

The two segments of the pole can be transported in a space-saving manner in the pouch included in the scope of delivery. By using additional upper segments, the pole can be extended by each 1m as required.



YOUR ADVANTAGES IN APPLICATION

Simple and convenient handling.

Effort-saving use due to low weight.

The carbide tip does not wear down - thus no distortion of the measurement result due to blunt tips.



Technical data	Carbon GNSS pole PG-2
Connection	5/8
Pole diameter	Outer tube 32 mm
Weight	520 g
Length	200 cm (2 x 100 cm)



ACCESSORIES

For working with our prism poles, we offer bipods, our tripod and prisms.

Bipods for poles with Ø 08-12 mm and 22-32 cm, item no. 14803001

Tripod, item no. 14817001.

Prism, item no. 14100000.

Bag for carbon poles up to 143 cm, item no. 14977001.



LIGHTWEIGHT, NARROW ANTENNA POLE FOR SURVEYS

14033001

The PO-9 carbon GNSS pole is telescopic and features a 2 m increment. The distinct, locking height avoids height errors, and due to its telescopic design, the pole is ready for work quickly and is easy to transport.

A quick-release mechanism allows the pole to be extended easily and quickly.

The GNSS antenna can be detached quickly and securely from the pole using the Qo-9 quick-out adapter (included), enabling particularly flexible and rapid work.



YOUR ADVANTAGES IN APPLICATION

Carbon for comfortable working, even at low temperatures.

Quick-out with 5/8".

Single 2 m increment.

Excellent for GNSS surveys.



Technical data	NESTLE carbon GNSS pole PO-9
Clamping	Screw clamp
spirit level	20
Diameter	Outer tube 32 mm, inner tube 25 mm
Work area	Locking only at 2,00 m
Transport dimension	136 cm
Weight	750 g
Connection	5/8" with Quick-out Qo-9
Special feature	Carbon-carbon, Quick-out

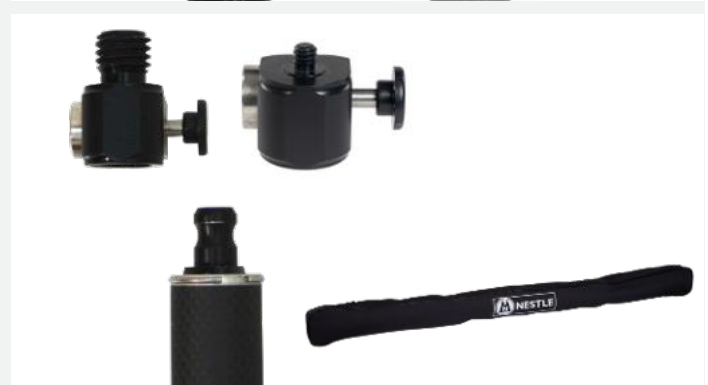
NOTES AND ACCESSORIES

Please also note our two-piece and telescopic antenna poles, see pp. 107 and 108.

Bag for carbon poles, Item No. 14977001.

Quick-out adapter 5/8" Qo-9 - individual - Item No. 14978000.

Quick-out adapter 1/4" Qo-8 - individual - Item No. 14836000.



QUICK ANTENNA DETACHMENT, FOR ALL GNSS SURVEYS

14034000

The carbon GNSS pole PT-9 has a working height of two metres and due to double telescoping, a transport size of only one metre.

The working height of two metres is achieved by extending the inner tube to the grid position and the head tube to the stop with height control marking.

Two closures allow the pole to be extended and retracted easily and quickly.

The GNSS antenna can be quickly and securely detached from the pole using the Quick-out adapter Qo-9 (included), enabling particularly flexible and fast working.

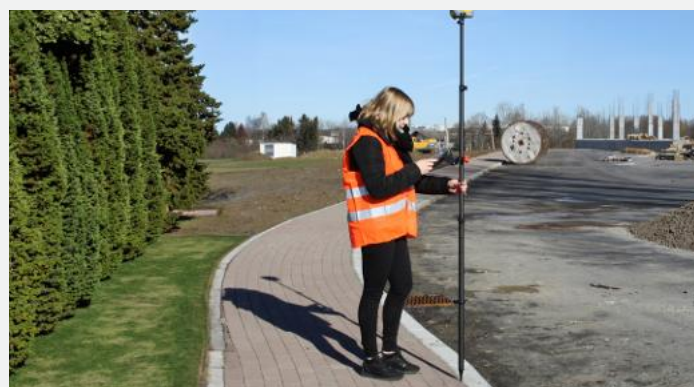


YOUR ADVANTAGES IN APPLICATION

Carbon for comfortable working, even at low temperatures.

Quick-out with 5/8".

Particularly short transport size.



Technical data	NESTLE Carbon GNSS Pole PT-9
Clamping	1 x quick clamp, 1 x screw clamp
spirit level	20
Diameter	Outer tube 32 mm, inner tube 26 mm Head tube 20 mm
Working area max.	2 m
Transport dimension	1 m
Weight	700 g
Connection	5/8" with Quick-out Qo-9
Special feature	Carbon-carbon, Quick-out, short transport size



NOTES AND ACCESSORIES

Please also note our two-part and telescopic antenna poles, see pp. 107 and 108.

Bag for carbon poles, Item No. 14977001.

Quick-out adapter 5/8" Qo-9 - individual - Item No. 14978000.

Quick-out adapter 1/4" Qo-8 - individual - Item No. 14836000.



ALWAYS USE ORIGINAL ACCESSORIES

NESTLE tip with carbide pin, Art.-No: 14984000

The tip consists of 71140023 end tip with carbide pin and 71140024 5/8" tip with M8 connection. 71140023 + 71140024 are available as spare parts, so a worn carbide pin can be replaced easily and quickly. Note: For self-assembly accessory only.

14984000 can replace the standard tip on the following poles:

- Art.-No. 14010000 PP-2
- Art.-No. 14011000 PP-2-H
- Art.-No. 14028000 PG-2
- Art.-No. 14030000 PG-5
- Art.-No. 14031000 PK-1
- Art.-No. 14032000 PR-1
- Art.-No. 14033001 PO-9
- Art.-No. 14034000 PT-9



NESTLE clamp compass for poles NCC-1, Art.-No: 14813000

Controllers on prism or GNSS poles often obscure the view of the pole spirit level. The NCC clamp unit can be attached at any height on the pole, so that an optimal view of the circular spirit level is always possible.

Circular spirit level and compass in one clamp unit.

Compass for orientation during staking out.

Easily rotatable.



NESTLE tip with screw-on sand plate, Art.-No: 14956000

Can be used with all carbon prism poles with removable tip

Advantage: sand plate always included, without it being lost.

Sand plate 60 mm, weight 95 g.



NESTLE sand plate, screw-on, Art.-No: 14919000

Prevents the plumb pole from sinking into soft ground.

This ensures more accurate recording of the heights of your measurement points.

Base plate 65 mm.

Weight 130 g.



NOTES AND ACCESSORIES

Use only original products from Gottlieb Nestle for all surveying tasks.

On the following pages:

- Extensions
- prism adapters
- tripod legs
- controller holder systems, for ergonomic working with prism and GNSS poles



SIMPLY SCREW ON OR PUSH ON

Für Vermessungen aller Art im Bau- und Katasterbereich, um große Höhenversätze aus Baugruben oder in der Feldvermessung zu überwinden.

Zur Verlängerung des Prismen- oder GNSS-Stabes.

Einfach aufschrauben bzw. aufstecken.

Aus leichtem Aluminium, PE-410 und PE-510 aus Karbon.

14900000...



YOUR ADVANTAGES IN APPLICATION

Extensions increase flexibility for all types of surveys

Simplest application with higher precision.

Available in various lengths.

Technical data	Extensions
PE-210 14902000	100 cm, 5/8" - 5/8", aluminium
PE-310 14903000	100 cm, Leica - Leica, aluminium
PE-410 14982000	100 cm, 5/8" - 5/8", carbon
PE-510 14983000	100 cm, Leica - Leica, carbon
PE-225 14900000	50 cm, 5/8" - 5/8", aluminium
PE-235 14901000	50 cm, Leica - Leica, aluminium
PE-45 14998000	50 cm, 5/8" female, 5/8" male, carbon
PE-23 14941000	30 cm, 5/8" - 5/8", aluminium
PE-33 14942000	30 cm, Leica - Leica, aluminium
PE-21 14939000	10 cm, 5/8" - 5/8", aluminium
PE-31 14940000	10 cm, Leica - Leica, aluminium



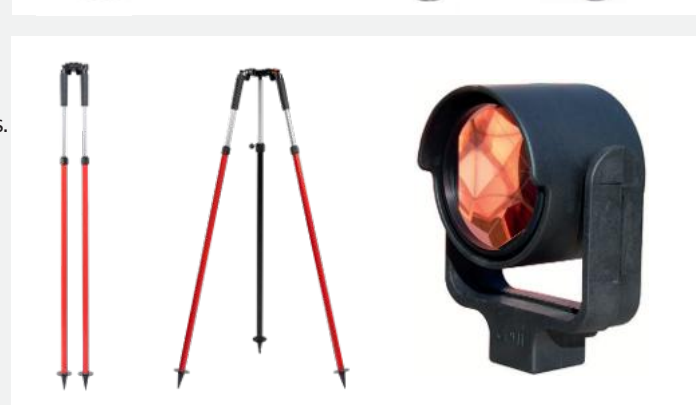
ACCESSORIES

For working with our prism poles, we offer bipods, prism pole tripods and prisms.

Bipods for poles with Ø 08-12 mm and 22-32 cm, item no. 14803001

Tripod, item no. 14817001.

Prism, item no. 14100000.

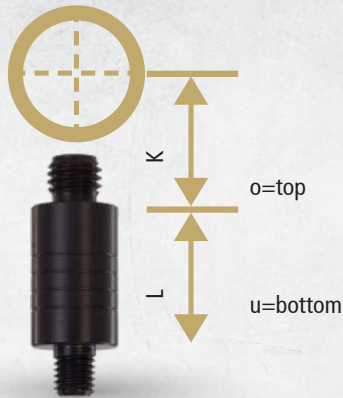


NESTLE PRISM POLE ACCESSORIES



A prism adapter is included in the scope of delivery for NESTLE prism poles (PA-1-S, PA-1-D, PR-1, PK-1). Select a prism adapter from the following list and specify it when ordering.

Prisms are given as examples for the adapters.



Universal adapter Leica pin to 5/8"



L [mm], Art below - Art above
Tilt axis dimension K= [mm]

L = 30 mm, u = stud o=5/8" K =
Art.-Nr.: 14920000

Nestle: 14100000, 14103000
Geomax: ZPR1, ZPR100, GRZ122
Leica: GPR, GPH, GRZ4, GRZ122



NESTLE: 14104000,
Zeiss: KTR, OMNI 1200/9125



Glunz: GRH1150/1160, OMNI 1225



L = 40 mm, u = M12 o = stud K = 86 mm
Art.-Nr.: 14924000

L = 40 mm, u = M12 o = 5/8" K = 100 mm
Art. No.: 14925000

L = 25 mm, u = M12 o = 5/8" K = 115 mm
Art.-Nr.: 14926000

Topcon - various models with 78 mm tilt axis



Trimble: Multitrack target



NESTLE prism poles adapter with M12



L = 62 mm, u = M12 o = 5/8 K = 78 mm
Art.-Nr.: 14930000

L = 5 mm, u = M12 o = 5/8" K = 135 mm
Art. No.: 14981000

L = 67,5 mm, u = M12 o = M8
For NESTLE scan sphere (14200000)
Art. No.: 14209000

Leica pin adapter



Universal adapter 5/8" female to Leica pin



NESTLE: 14101000, 29304000, Geomax: ZMP101
Leica: GMP



L = 109 mm, u = Leica pin o = M8 on NESTLE scan
spheres (14200000)
Art. No.: 14210000

L = 18 mm, u = 5/8" o = pin K =
Art.-Nr.: 14921000

L = 90 mm, u = M12 o = 1/4" K = 50 mm, mini
prism
part no.: 14922000

Sokkia: Warning pyramid tilt axis 82mm



L = 135 mm, u = 5/8" o = 5/8" K =
Art.-Nr.: 14837000



L = 58 mm, u = M12 o=5/8" K = 82 mm
Art.-Nr.: 14928000

NESTLE: 14102000,
Sokkia: AP-Series



L = 43 mm, u = M12 o = 5/8" K = 97 mm
Art.-Nr.: 14929000

Universal adapter - height-adjustable



L = adjustable, u = M12 o = 5/8 K =
A part no.: 14933000

Adapter 5/8 5/8



AArt. No.: 14937000 L = 27 mm (see figure)
AArt. No.: 14955000 L = 50 mm
AArt. No.: 14939000 L = 100 mm

Topcon - ATP1 360°
MPR 122



L = 90 mm, u = M12 o = 5/8 K = 50 mm
Art.-Nr.: 14946000

Geodimeter Prisma 600



L = 6 mm, u = M12 o = 5/8 K = 134 mm
Art.-Nr.: 14932000

If you want to use your prism pole as a GNSS pole, use the GNSS adapter. This reduces the scale offset to zero as is common with GNSS antennas.

The GNSS adapters are never included in the scope of delivery and must always be ordered separately.

GNSS adapter 14 cm - optional for NESTLE
PA-1-S, PA-1-D,
PR-1, PK-1



L = 140 mm, u = M12 o = 5/8
K = 0 mm (GPS)
Art. No.: 14934000

GNSS adapter 10 cm - optional for NESTLE PA-3-D



L = 100 mm, u = stud o = 5/8" K =
Art.-Nr.: 14935000

EXACT SETTING UP AND ALIGNING OF ALL PRISM AND ANTENNA POLES

14803001

14817001

NESTLE bipod P2-Y, Art.-No: 14803001

The clamp can be easily released with the thumb via a push button
Use a bipod for the exact setup and alignment of all prism and antenna poles. For precise measurements, even in rugged terrain.
For poles with 22 mm to 32 mm and 8 mm to 12 mm tube diameters.
Including leg clip for comfortable and secure transport.
The C-shaped claws of the pole holder distribute the clamping pressure evenly on the pole so that they are not damaged.

NESTLE tripod P3-Y, Art.-No: 14817001

Particularly handy NESTLE tripod is suitable for the stable positioning of prism and GNSS poles.
Due to the three legs, your pole stands particularly stable even over a longer period of time.
The double-C clamp distributes the clamping pressure on the pole optimally, thus protecting carbon poles.
The thumb clamp allows the legs to be adjusted in length very quickly and easily.
The head of the tripod has a lateral opening, so a prism or GNSS pole can be inserted easily.

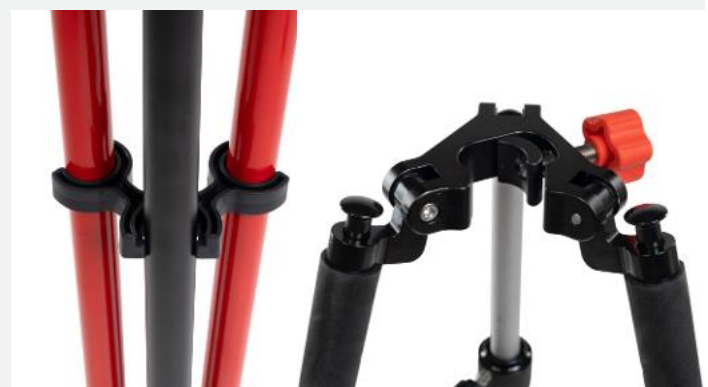


YOUR ADVANTAGES IN APPLICATION

For precise measurements, even in rugged terrain.
For exact setting up and aligning of all prism and antenna poles.
Lightning-fast pole adjustment via thumb clamp.



Technical data	Two-leg strut P2-Y	Tripod strut P3-Y
Weight	2100 g	2950 g
Clampable tube diameters	08 - 12 and 22 - 32 mm	18 - 32 mm
Pole clamp	Double-C with screw clamp	Double-C with screw clamp
Tube clamp	Thumb release	Thumb release
Material	Metal	aluminium
Length	107 -180 cm	104 - 180 cm



FEATURES

Scope of delivery Two-leg strut P2-Y: Two-leg strut, leg clip LC-32 Art. No. 14804000, bag

Scope of delivery Three-leg strut P3-Y: Three-leg strut, bag



STORAGE AID FOR POLES, FOLDABLE SUPPORTS

14820000

With the mini bipod, it is possible even during rough daily use to easily and safely set aside the GNSS antenna - or the prism pole - without damaging or dirtying the attached prism, the antenna or the Controller.

The mini bipod also provides the pole with a secure stance when leaning against a wall or partition.

Rubberised leg ends - no scratching or slipping on sensitive surfaces such as glass.

The support legs are foldable and have a stop to prevent over-extension when stored. This also ensures secure transport. Clamping screw for prism and antenna poles with 22 mm - 32 mm.



YOUR ADVANTAGES IN APPLICATION

Protects the prism, the antenna and the Controller against contamination and damage on difficult terrain.

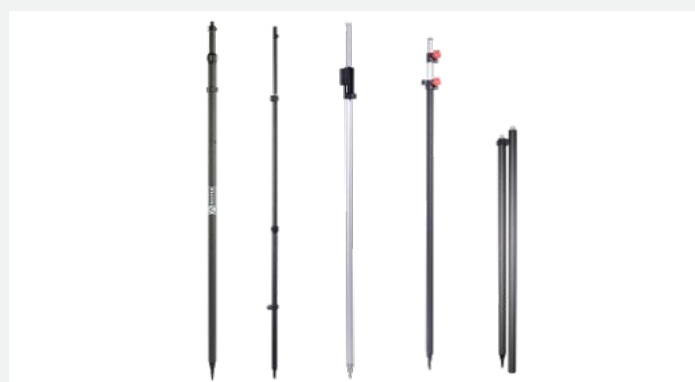
The mini bipod strut is very lightweight, easy and flexible to mount. Particularly short transport size.



Technical data	NESTLEMini double strut P2-mini
Leg length	17 cm
Weight	260 g
Pole clamp	Double C with screw clamp
Legs	Foldable with stop

ACCESSORIES

Always rely on the quality of Gottlieb NESTLE GmbH for all prism and GNSS poles. In the PRODUCTS | PRISM AND GNSS POLES chapter from page 103, you will find the right pole for your surveying tasks.



STEPLESS ROTATION AND TILTING

The HB-S mounting system is used for the stable attachment of a Controller to prism or GNSS antenna poles.

As the number of Controller types is constantly increasing or older models are disappearing from the market, we have developed the two-part HB-S mounting system.

The mounting system consists of two parts: base holder: which is attached to the pole, the base holder can accommodate all controller holders of the HB-S series.

Controller holder: for a specific controller type. The connection between the base holder and the controller holder is made by a particularly short ball-claw clamp. This clamp allows the Controller to be rotated and tilted very easily.

Ball connection with ball Ø 25 mm, stable and robust construction.

YOUR ADVANTAGES IN APPLICATION

A base holder for all controller holders of the HB-S series.

Base holder for poles with double C-clamp for best pressure distribution, even with carbon poles.

Particularly short ball & socket version.

Stepless rotation and tilting.

Technical data

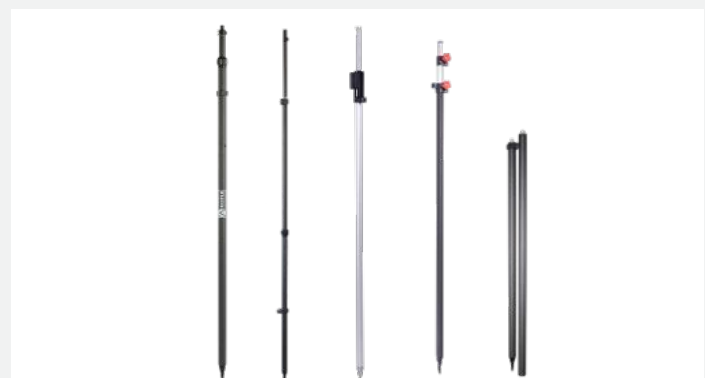
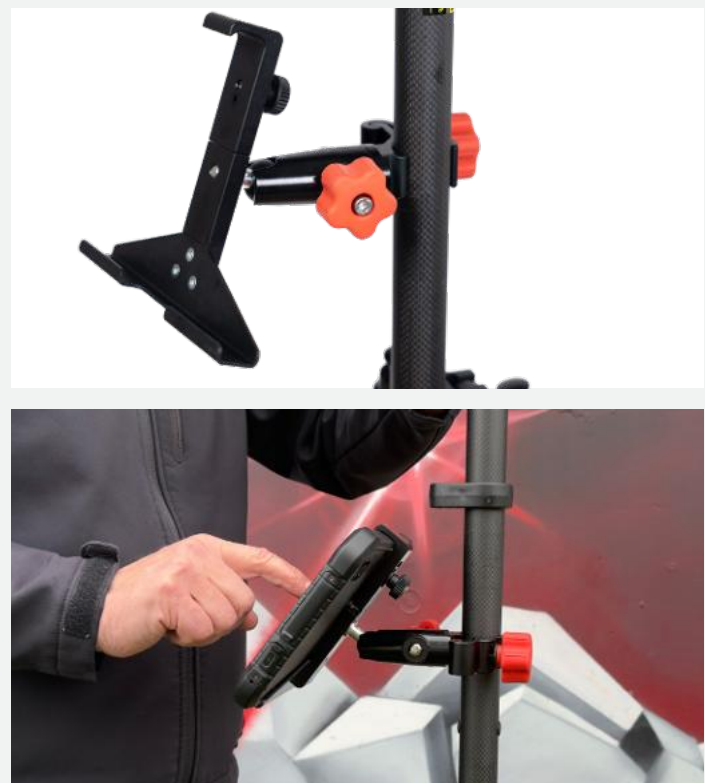
Base holder	14807000
Base holder for	Poles with Ø of 22 to 32 mm
Base holder weight	240 g
Clamping	Claw mount for ball Ø 25 mm
Controller holder	
Controller holder weight	individual depending on controller type
Controller holder clamping	individual depending on controller type
Controller holder base connection	Ball & Socket - Short version
Controller holder item no.	Suitable for controller type
14806000	Zenius08
14809000	Zenius800 / Zeno Tab 2 / CT8
14810000	Galaxy TAB 2 / 3 / 5
14811000	NESTLE NC-6

FEATURES

Scope of delivery HB-S controller holder system: HB-S system base holder Art.-No.: 1480700 and HB-S controller holder (please specify which controller type when ordering).

Always rely on the quality of Gottlieb NESTLE GmbH for all prism and GNSS poles. In the PRODUCTS | PRISM AND GNSS POLES chapter from page 103, you will find the right pole for your surveying tasks.

14807000



SUPERIOR USER-FRIENDLINESS

The H2C mounting system is used for stable attachment of Controllers to prism or GNSS antenna poles, or also to tripods.

As the number of Controller types is constantly increasing or older ones are disappearing from the market, we have developed the two-part H2C mounting system.

The H2C mounting system consists of a base holder and a controller carrier. This allows different controller carriers to be attached to the same base holder.

The H2C series controller carriers are individually designed for different Controller types and always fit the base holders of the H2C series.

For connection, the controller carrier is hooked into the base holder and mit a clamping screw. Due to the serrated disc coupling between the base holder and controller carrier, the viewing angle of the Controller can be individually adjusted.

14814001

14964021



Ex. 14801001

14814001



YOUR ADVANTAGES IN APPLICATION

A base holder for all controller holders.

Base holder for poles with double C-clamp for optimal pressure distribution, even with carbon poles.

Base holder for tripod heads with 360° swivel plate.

Various controller holders always compatible with both base holders.



Technical data

Base holder	14814001
Base holder for	Poles with Ø of 22 to 32 mm
Base holder weight	250 g
Clamping	Double C-clamp with clamping screw

Tripod base holders	14964021
Tripod base holders	for triangular top plate
Base holder weight	1.700g
Horizontal rotationability	stepless 360°

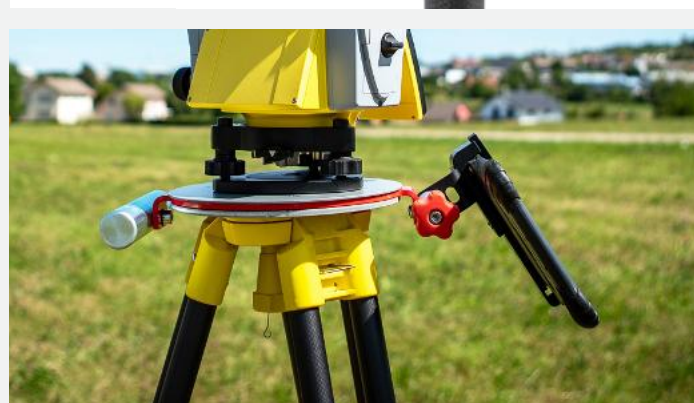
Controller holder	
Controller holder weight	individual depending on controller type
Controller holder clamping	individual depending on controller type
Controller holder base connection	Clamping screw with toothed disc coupling

Controller holder item no.	Suitable for controller type
14819000	Galaxy TAB 2 / 3 / 5, coupling pre-assembled transverse
14987000	Zenius800 / Zeno Tab 2 / CT 8
14991001	Galaxy TAB 10"
14801001	NESTLE NC-6
14812000	Zenius08
14816000	H2-T Coupling Trimble
14818001	H2-T Bridge Trimble
14985000	Galaxy TAB 2 / 3 / 5, coupling highly pre-assembled
14885000	Leica CC180



Base holder tripods
14964021

14814001



PRACTICAL AIDS

NESTLE mounting systems carrier

- Art.-No. 14801001: NESTLE Controller holder H2C for NC-6
- Art.-No. 14812000: NESTLE Controller holder H2C for GEOMAX Zenius08
- Art.-No. 14819000: NESTLE Controller holder H2C for Tab Active 2 / 3 / 5 portrait
- Art.-No. 14985000: NESTLE Controller holder H2C for Tab Active 2 / 3 / 5 landscape
- Art.-No. 14987000: NESTLE Controller holder H2C for Zenius800/Zeno Tab2/CT8
- Art.-No. 14991001: NESTLE Controller holder H2C for Galaxy TAB Active Pro 10
- Art.-No. 14845001: NESTLE Controller holder H2C for Leica iCON CC180
- Art.-No. 14806000: NESTLE Controller holder HB-S for Zenius08
- Art.-No. 14809000: NESTLE Controller holder HB-S for Zenius800
- Art.-No. 14810000: NESTLE Controller holder HB-S for Tab Active 2/3/5
- Art.-No. 14811000: NESTLE Controller holder HB-S for NC-6
- Art.-No. 14818001: NESTLE H2-T bridge-PIN suitable for 14816000

Weight of holders: 150 - 450 g depending on model



NESTLE holding systems basic holders

- Art.-No. 14814001: NESTLE H2C basic holder for poles - serrated coupling
- Art.-No. 14807000: NESTLE HB-S basic holder for poles - ball coupling
- Art.-No. 14964021: NESTLE H2C basic holder for tripods with triangular head
- Art.-No. 14816000: NESTLE H2-T basic holder Trimble



NESTLE universal controller holder = basic holder & carrier complete

- Art.-No. 14963000: NESTLE controller holder with clamp
- Art.-No. 14989000: NESTLE controller holder LA MAXE Ball&Socket version
- Art.-No. 14993000: NESTLE controller holder Zenius800/Zeno Tab2/CT8



POLE SPIRIT LEVELS AND POLE CLAMPS

- Item no. 14965000: NESTLE pole holder with compass - ball DN 25 mm
- Item no. 14916000: NESTLE pole spirit level for poles DN 32 mm
- Item no. 14947000: NESTLE pole holder with compass - stud coupling
- Item no. 14813000: NESTLE clamp compass / clamp spirit level NCC-rotatable



PRODUCTS | PRISMS + SCANNING SPHERES



PRODUCTS | PRISMS AND SCANNING SPHERES



NESTLE prisms
FOR SURVEYING WORK

125



NESTLE
SCANNING SPHERE FOR REALITY CAPTURE

126

PRISMS FOR ALL TYPES OF SURVEYING

NESTLE prism Leica style GPR-1-Type 14100000

Leica/Wild-Type connection.
Impact-resistant polycarbonate housing.
Easy aiming via sighting aid in frame.
Delivered including bag.

NESTLE prism 14101000

1/4" connection.

Mini prism set.

Ideal for linework as well.

Including tip and 4-section pole in bag.

NESTLE universal prism 14102000

5/8" connection.

Stable metal frame.

Frame in bright orange for easy aiming.

Delivered including bag.

NESTLE retroreflective target 14105001

Yellow, self-adhesive.
Average target distance approx. 90 m (instrument dependent).

YOUR ADVANTAGES IN APPLICATION

Frames with yellow-glowing sighting aids or frames in glowing orange and white arrows are ideal for sighting prisms in restricted visibility (prisms 14100000, 14102000).

The prism set 14101000 is ideal for line setting work. With the 4-segment pole, even simple surveying tasks are no problem.

Technical data	Prisms
GPR1-type, top sighting aid	Item No. 14100000
Offset / Connection	-34 mm / Leica
Weight	350 g
Mini prism set	Art.-No. 14101000
Offset / Connection	0/-30 mm / 1/4
Weight (prism only)	130 g
Universal prism, Orange frame	Item no. 14102000
Offset / Connection	0/-30 mm / 5/8
Weight	500 g
Reflector target	Item no. 14105001
Size	40 x 40 mm
VPE	20 pieces

FEATURES

Prisms 14100000 and 14102000 are supplied in a practical cloth bag. The mini prism set 14101000 is supplied complete with tip and 4-segment pole in one bag.



REFERENCE SPHERE FOR REALITY CAPTURE

14200000

- The NESTLE scan sphere is the reference for your scanning work.
- Perfect for merging and linking multiple scans.
- The spherical shape enables optimal capture from all directions and has proven itself as a reality capture target.
- The scan sphere is made of plastic with a specially matte textured paint for optimal reflection behaviour.
- Incl. removable magnetic base (M8 thread).



YOUR ADVANTAGES IN APPLICATION

- Washable.
- Shockproof.

Technical data NESTLE scanning sphere

Diameter	Ø 145 mm
Scanning sphere weight	250 g
Sphericity	0,3 mm at 20°C
Radius accuracy	± 0,15 mm at 20°C

ACCESSORIES AND SET

- Scanning ball set, 6 pieces with magnetic base in pouch, Art. No. 14206000
- Scanning ball set, 6 pieces with magnetic base in case, Art. No. 14207000
- Scanning ball case for 6 pieces, Art. No. 14204000
- Scanning ball pouch for 6 pieces, Art. No. 14205000
- Adapter scanning ball / NESTLE plumb pole Art. No. 14209000
- Alignment pole for scanning, Art. No. 14201000
- Alignment pole RP-Herb, 1,3 m with clamp for target plate, Art. No. 14211000
- Alignment pole tripod, Art. No. 11903000
- Mini tripod, Art. No. 14203000



14204000



14205000



14207000



14206000



PRODUCTS | LEVELLING RODS



PRODUCTS | LEVELLING STAFFS



NESTLE telescopic levelling staffs
ROBUST AND PRECISE

129



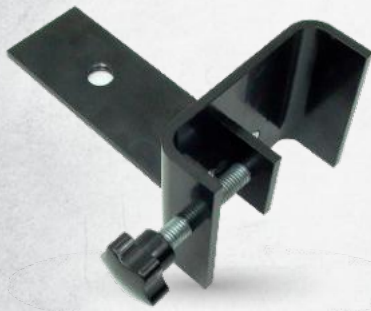
NESTLE geometer scale
FOR LEVELLING AND MEASURING

130



NESTLE rod holder ACCESSORIES

131



NESTLE
TRIPOD ADAPTER FOR MEASURING POLES

132

NESTLE LEVELLING RODS

TELESCOPIC LEVELING STAFF

18200000...

Levelling rods including pouch and spirit level.

Telescopic design allows for easy transport due to short transport length and low weight.

E-scale on the front with alternating red and black lacquered metre increments.

The rear features an mm-scale for measuring clear heights: the segments are extended sequentially, and the result is read at the transition to the next unextended segment.

Models 18200000 and 18206000 have a continuous mm-scale on the rear, starting from 0 at the bottom.

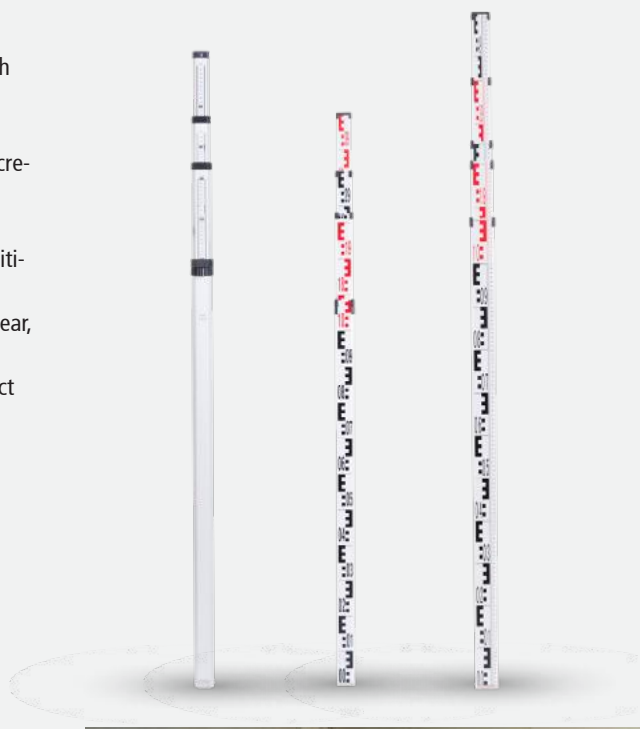
Model 18208000 made of glass fibre tubes. Glass fibre does not conduct electrical current, making the model suitable for work near live lines.

The telescopic levelling rods are robust and meet daily construction site requirements at all times.

Printing is protected from abrasion by protruding edges.

Stable push-button locking prevents the segments from collapsing.

Smooth and precise guidance of individual elements without jamming.



YOUR ADVANTAGES IN APPLICATION

Lightweight and space-saving to transport.

Simplest handling.



Technical data	Telescopic levelling meter
1,24 m - 5,00 m, 1.700 g	Art.-No. 18200000 / Rev. mm bottom 0
1,21 m - 3,00 m, 1.500 g	Art.-No. 18201000
1,22 m - 4,00 m, 1.600 g	Art.-No. 18202000
1,22 m - 4,00 m, 1.600 g	Art.-No. 18209000 / Back mm below 0
1,24 m - 5,00 m, 1.700 g	Art.-No. 18203000
1,68 m - 7,00 m, 2.500 g	Art.-No. 18205000
1,68 m - 7,00 m, 2.500 g	Art.-No. 18206000 / Back mm bottom 0
1,45 m - 7,00 m, 2.400 g	Art.-No. 18208000 / Glass fibre
1,24 m - 5,00 m, 1.900 g	Art.-No. 18210000 / Front mm + E-scale

FEATURES

Levelling rod scope of delivery: levelling rod, circular spirit level, pouch.

Circular spirit level also available separately, item no. 18912000



SCALES FOR LEVELLING AND MEASURING

18507000...

The Geomatics scales combine the function of a levelling staff with a standard folding rule.

Made of wood, strong springs.

Front side with E-scale, alternating red and black per metre. Back side white with mm-scale.



YOUR ADVANTAGES IN APPLICATION

Space-saving storage in every field vehicle.

Proven and simple to handle.

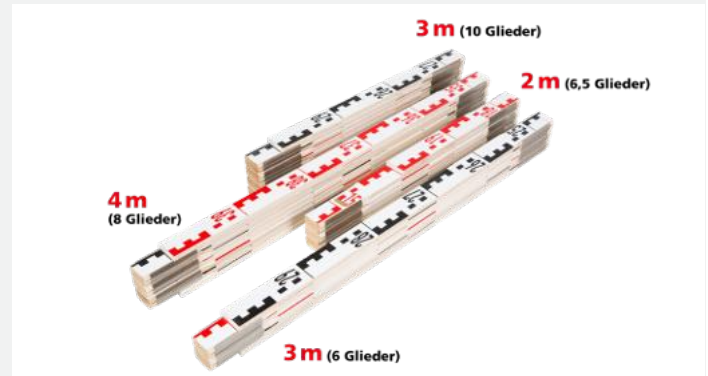
Stable articulated joints.



Technical data	Scales
Surveyor scales	
2,00 m, 38 cm folded, 300 g	Part no. 18507000
3,00 m, 38 cm folded, 800 g	Part no. 18508000
3,00 m, 54 cm folded, 900 g	Part no. 18509000
4,00 m, 54 cm folded, 1.100 g	Part no. 18510000
Folding rulers	
Wood, 3,00 m, 900 g	Part no. 18512000
Wood, 4,00 m, 1.100 g	Part no. 18513000
Wood, 5,00 m, 2.300 g	Part no. 18514000

FEATURES

In addition to the Geomatics scales, folding rules made of wood (= 50 cm segments) with mm-scale on both sides are also available.



PRECISE ALIGNMENT - SIMPLE APPLICATION

As an accessory for levelling staffs for surveying tasks in the construction sector.

Metal staff clamp, adjustable. For stopping, screwing on or attaching to levelling poles, Art. No.: 11911000.

Metal staff clamp, non-adjustable, Art. No.: 11912000.

Base plates as levelling aid, made of grey cast iron, orange, with carrying loop, Art. No.: 18900000.

11911000

11912000

18900000



YOUR ADVANTAGES IN APPLICATION

Universal accessories for levelling staffs easy to use
high impact

For vertical positioning of levelling staffs and ranging rods.



Technical data Levelling staff accessories

Staff clamp metal, 100 g	Art.-No. 11911000, adjustable
Staff clamp, metal, 50 g	Art.-No. 11912000, non-adjustable

Base plate, 2.860 g	Art.-No. 18900000
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ACCESSORIES

The measuring wedge can be used in conjunction with a straightedge to measure inclinations and unevenness. Ideal for laying floor coverings, Art.-No: 18914000.

Measuring range 27 mm.

Division in mm.

320 g.

400 x 11 x 35 mm.

Measuring unit made of aluminium, handle made of wood.



INNOVATIVE ASSISTANCE FOR SINGLE-PERSON LEVELLING

13901000

Innovative assistance for single-person levelling.
To fix the levelling staff to the tripod.
Ideal when the staff requires a secure stand on a fixed point.



YOUR ADVANTAGES IN APPLICATION

The tripod adapter increases your flexibility as well as precision when measuring with levelling staffs.



Technical data	Tripod adapter
Connection	5/8
Socket	For max. slat width 75 mm
Weight	300 g

ACCESSORIES

We offer everything you need for levelling:

Levelling instruments.
Tripods.
Levelling staffs.



PRODUCTS | POLES



WOOD REFERENCE POLES

11001000...

For construction and surveying, for aligning and marking ground points. During surveying work in open terrain, ranging poles are indispensable tools for marking boundary stones, e.g. to establish the ideal position for the instrument and thus the optimal view of the points to be measured.

All ranging poles are "Made in Germany".

The ranging poles feature a stable steel tip, as this area requires particular robustness.

Use of high-quality wood (Ø 28 mm) in production.

The ranging poles are provided with a PVC coating.

To meet the many different requirements and preferences, the ranging poles are available with various tips:

Round tips for work on grass, forest floor, sand.

Triangular tips for stony ground, gravel surfaces.

Three-prong tips for additional stability.

Travel ranging poles with a special triangular profile can be conveniently transported in a 6-bundle.

Ranging poles in normal red or fluorescent red. Especially in field surveying, fluorescent red ranging poles are advantageous due to better visibility.



YOUR ADVANTAGES IN APPLICATION

Best wood quality and workmanship.

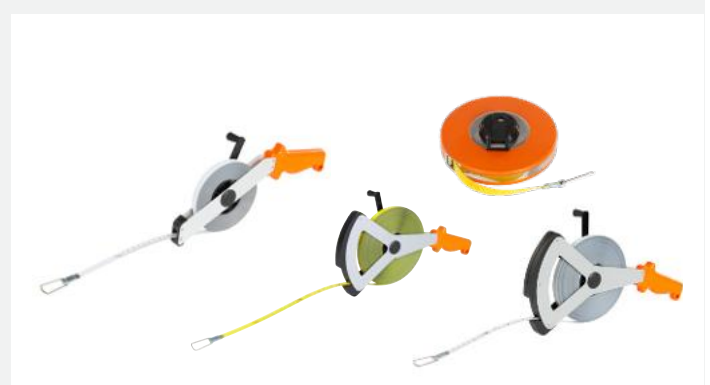
Robust and durable thanks to the PVC coating - for daily use on the construction site or in surveying.



Technical data	Timber surveying poles
Round tube tip, lightweight, 2 m, r/w	Art.-No. 11001000, PU=12 pcs.
Three-prong tip, round, lightweight, 2 m, r/w	Art.-No. 11003000, PU=12 pcs.
Threeashes-Tip, 3-sided, lightweight, 2 m, r/w	Art.-No. 11004000, PU=12 pcs.
3-sided tip, round, 2,16 m, r/w w/r	Art.-No. 11005000, PU=12 pcs., fluorescent red
3-sided tip, 3-sided, 2,16 m, r/w w/r	Art.-No. 11006000, PU=12 pcs., fluorescent red
—	—
Surveying poles, 3-sided, 2 m	Art.-No. 11007000, 1 set=6 pcs., PU=2 sets

ACCESSORIES

For rapid setting out of points in the field with ranging poles, we offer a wide selection of measuring tapes.



STEEL RANGING POLE

For construction and surveying, for aligning and marking ground points. During surveying work in open terrain, ranging poles are an essential tool for marking boundary stones, e.g. to determine the ideal position for the instrument and thus the optimal view of the points to be measured.

Steel ranging poles, also available in a collapsible version.

All ranging poles are "Made in Germany".

The ranging poles feature a stable steel tip, as this is where robustness is particularly important.

Use of premium steel (Ø 27 mm) in production.

The ranging poles are provided with PVC coating.

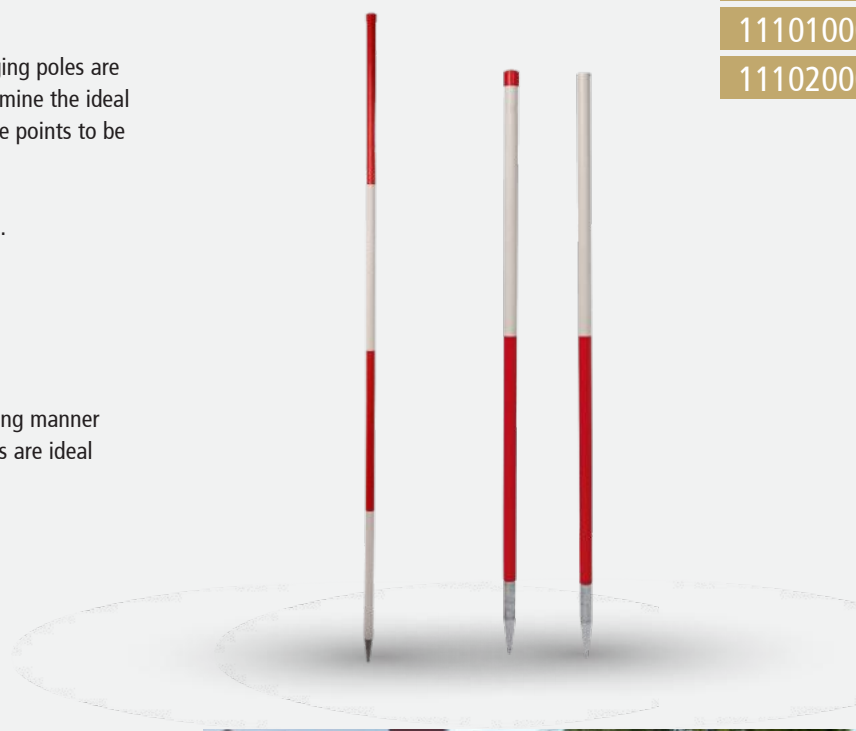
The collapsible version can be transported in a space-saving manner on the one hand, and on the other hand, the two segments are ideal when many points must be marked.

For this purpose, both parts are usable individually.

11100000

11101000

11102000



YOUR ADVANTAGES IN APPLICATION

Best quality and workmanship.

Robust and durable due to the PVC coating - for daily use on the construction site or in surveying.

Greater flexibility with collapsible poles in transport and application.



Technical data	Steel poles
Non-detachable ranging rods	PU= 12 pieces
Standard red, tube sp. round, 2,00 m, r/w	Art.-No. 11100000
w/r,	
Standard red, tube sp. round, 2,00 m, r/w	Art.-No. 11101000
—	—
Detachable poles	2 tips / SPU= 12 pieces (24 halves)
Normal red, tube round, 2,16 m r/w w/r	Art.-No. 11102000

ACCESSORIES

Carrying cases are available specifically for the collapsible poles.

Carrying case for 12 half poles, item no. 11906000.



PRODUCTS | ALIGNMENT POLE ACCESSORIES



PRODUCTS | ALIGNMENT POLE ACCESSORIES



NESTLE alignment pole tripods
LIGHTWEIGHT VERSION

138



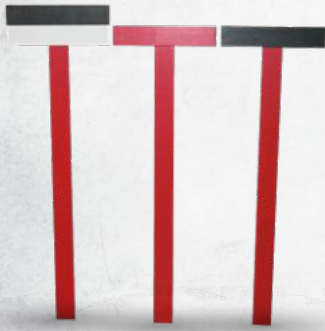
NESTLE alignment pole tripod
HEAVY VERSION

139



NESTLE alignment pole bag ACCESSORIES

140



NESTLE
CROSSHAIR SIGHTING AID

141

LIGHTWEIGHT VERSION

For construction and cadastral surveying. Not only to set up survey poles on hard ground, but also for positioning prism poles.

Available with clamp bracket or clamping screw.

Simple operation: fix prism or survey pole above the measuring point and plumb it.

Orange painted for corrosion protection.

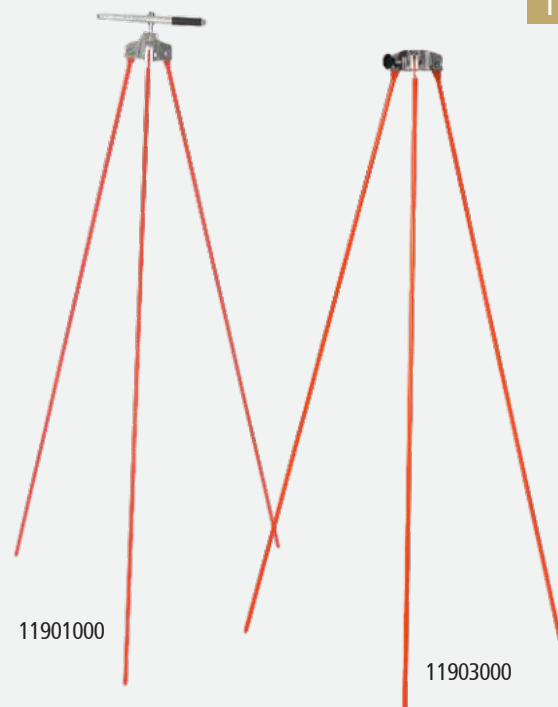
The thin metal foot can be pressed into the ground if required for a secure stand.

Art. No. 11901000: With clamp bracket.

Art. No. 11903000: With clamping screw.

Art. No. 11900000: Mini version with clamp bracket. Ideal for our MIDI prism poles, to enable the prism to be positioned securely and vertically above the measuring point even in tight spaces (under canopies, in dense vegetation).

Art. No. 11902000: With clamp bracket. The legs can be additionally fixed with clamping screws.



11900000...

YOUR ADVANTAGES IN APPLICATION

Easy handling.

Stable stand for survey poles and prism poles.

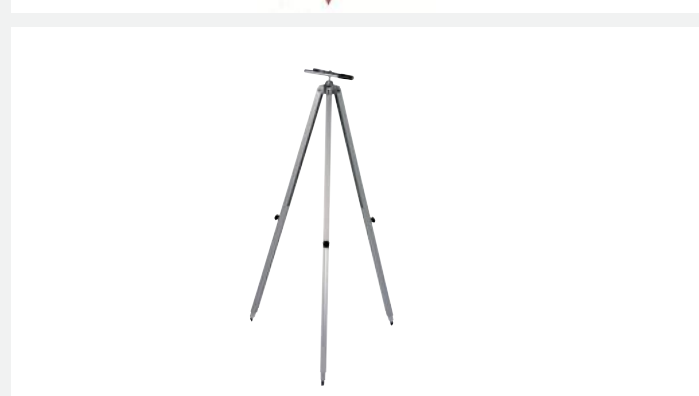


Technical data	Alignment pole tripods
11901000, 11902000	With clamp bracket / 11902000 with additional fixing
Height	100 cm
Weight	1.800 g
11903000	With clamping screw
Height	100 cm
Weight	1.700 g
11900000 Mini	With clamp bracket
Height	27 cm
Weight	800 g
Coating	Orange

ACCESSORIES

Survey pole tripods are also available in heavy-duty versions:

Art. No. 11904000 with clamp bracket.



HEAVY-DUTY VERSION

11904000

For construction and cadastral surveying. Not only for setting up ranging poles on hard ground, but also for positioning prism poles. Suitable

Available with clamp bracket.

Simplest operation: fix prism or ranging pole over the measuring point and plumb it. With the heavy ranging pole tripods, the ranging or prism pole is more stable in wind or the wind caused by passing vehicles.

The stainless aluminium profile legs are extendable from 100-130 cm. The stable profile leg can be easily pressed into the ground if required.



YOUR ADVANTAGES IN APPLICATION

Easy handling.

Secure stand for levelling poles and prism poles.

Specially suitable for long prism poles with high setup.

Versatile applications.

Technical data	Heavy alignment pole tripod
Item no.11904000	With clamp bracket
Height	100 - 130 cm
Weight	3.000 g
Material	aluminium

ACCESSORIES

Levelling pole tripods are also available in a lightweight version:

Art.-No. 11901000: With clamping bracket.

Art.-No. 11900000: With clamping bracket, "Mini".

Art.-No. 11903000: With clamping screw.



FOR 12 POLES

11906000

Bag for 1 m long poles.
Easy to transport.
Specially for our collapsible poles.
Robust design with reinforced base.



YOUR ADVANTAGES IN APPLICATION

No cumbersome transporting of individual pole segments.
Handy and compact transport possible.



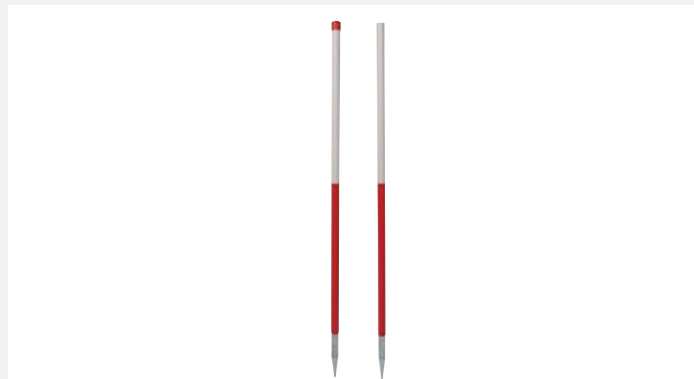
Technical data	Pole pocket
Material	Synthetic fibre
Weight	400 g



ACCESSORIES

The bag is specially suitable for transporting our collapsible poles

Pole, collapsible, with two tips, Art.-No. 11102000.



HEAVY-DUTY VERSION

With NESTLE crosshairs, you can perform traditional levelling by sighting. They are specifically suitable for setting kerbs as well as in curves due to their wide surface areas. Using this traditional method, you check and transfer heights by sighting without having to perform calculations.

21116000

21117000



YOUR ADVANTAGES IN APPLICATION

- No calculation required, unlike levelling.
- "Traditional levelling method" via sighting.
- Specially for setting kerbs, even in curves (due to width of the area).
- Sighting aids included in the set.
- A set consists of two half-crosses and one full cross.

Technical data	Crosshairs, marking nails
Cross, wood, 1,25 m, 4.000 g	Art.-No. 21117000
Marking nails	Art.-No. 21116000
Length:	40 cm

ACCESSORIES

We also supply marking nails in sets of 10.

Marking nails, item no. 21116000.



PRODUCTS | PENTAGON | ANGLE PRISM | PLUMB BOBS



PRODUCTS | PENTAGON | ANGLE PRISM | PLUMB BOBS



NESTLE double pentagon
FOR ALIGNING PLUMB BOBS

144



NESTLE angle prism
FOR 90° ALIGNMENT

145



NESTLE PLUMB BOB FOR RAPID STAKING OUT

146



NESTLE Lotstab
POLE FOR RAPID STAKING

147

9

10

10

FOR PRECISE 90° ALIGNMENT

11908000

Our double pentagon is perfect for the precise alignment of ranging poles.

It features two prisms (90° to the right and left respectively) and a central view.

The accuracy is less than 1 arcsecond.

The metal housing with twist lock and latching makes the double pentagon robust against external impacts.

Additionally, you have the option to either mount the double pentagon on a plumb pole or hang a plumb bob. It is supplied in a case.



YOUR ADVANTAGES IN APPLICATION

Quick and easy setting out of 90° angles.

Technical data Double pentagon

Weight	150 g
Accuracy	< 1 arcsecond



ACCESSORIES

For working with the double pentagon, we offer plumb poles and ranging pole tripods.

Ranging pole tripod, Art.-No. 11901000

Plumb pole, aluminium, Art.-No. 11201000

Plumb pole, wood, Art.-No. 11200000



FOR 90° ALIGNMENT

The 90° angle prism is suitable for the rapid staking out of a construction site using range poles

The leg is 25 x 10 mm.

A case is included in the scope of delivery.

11909000



YOUR ADVANTAGES IN APPLICATION

Quick and easy setting out of 90° angles.

Technical data

Angle prism

Weight

90 g

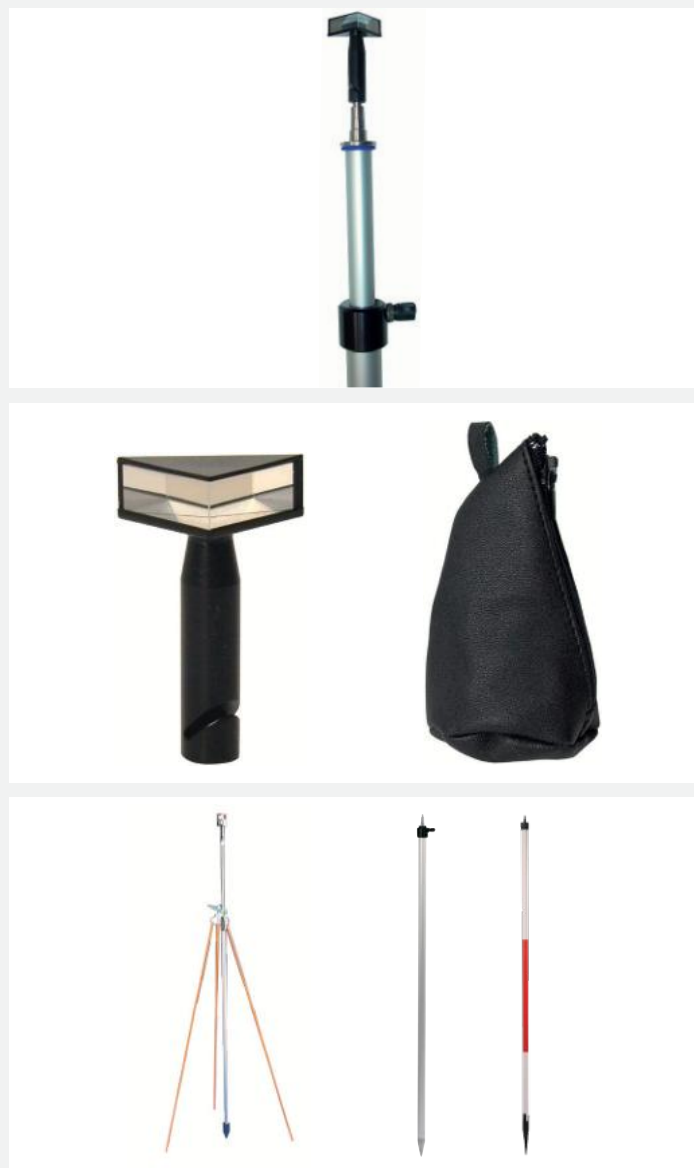
ACCESSORIES

For work with the prism pole, we offer plumb pole and alignment pole tripods.

Alignment pole tripod, Item No. 11901000.

Aluminium plumb pole, telescopic, Item No. 11201000.

Wooden plumb pole, Item No. 11200000.



POLE WITH ADAPTER FOR QUICK SETTING OUT

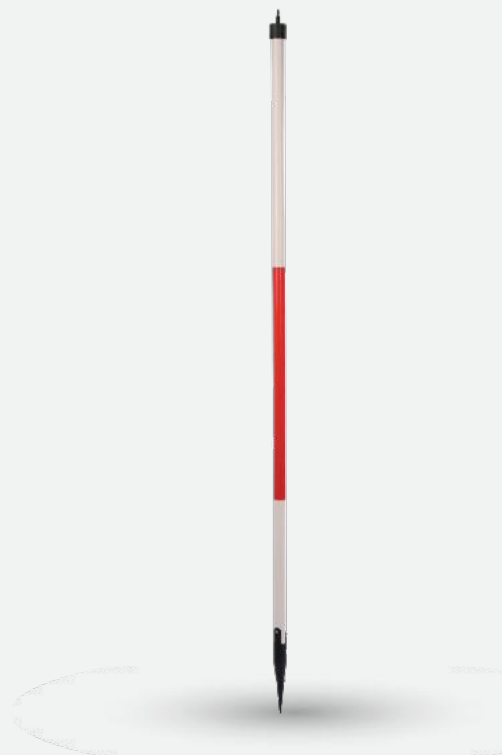
11200000

For setting-out work with the double pentagon or the angle prism.

The wooden plumb pole is 150 cm long and has a diameter of 28 mm.

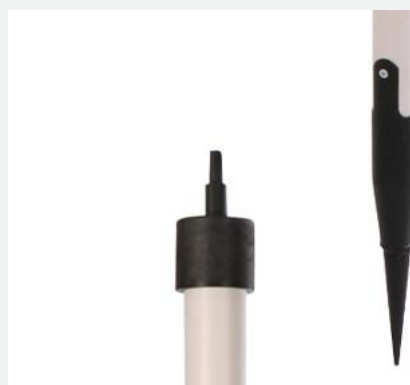
The red/white PVC coating protects the plumb pole against weathering influences.

A fitting for the double pentagon or angle prism is included with the plumb pole.



YOUR ADVANTAGES IN APPLICATION

Quick setting out of 90° angles in combination with double pentagon or angle prism.



Technical data	Plumb pole, wood
Material	Wood, PVC coating
Length	150 cm
Weight	760 g
Diameter	28 mm

ACCESSORIES

For working with the plumb poles, we offer angle prisms and double pentagons. A fitting is available separately.

Double pentagon, item no. 11908000.

Angle prism, item no. 11909000.

Fitting, item no. 11910000.



TELESCOPIC POLE

11201000

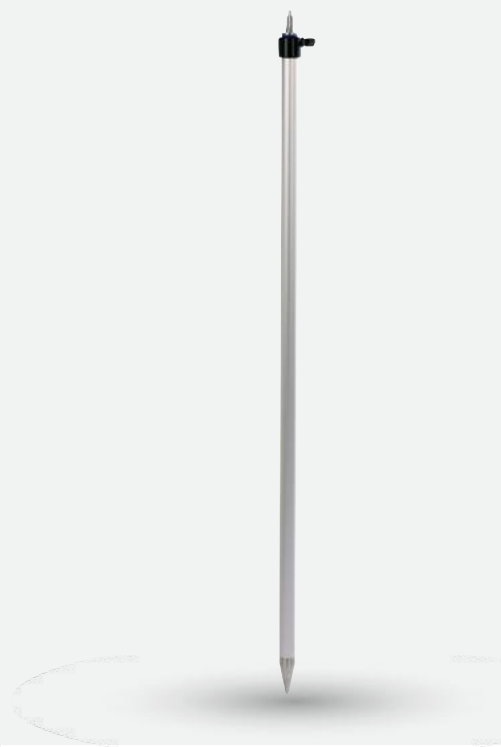
For staking work with the double pentagon or the angle prism.

The metal Pole allows exact alignment to the desired height within a range of 100 to 180 cm.

The stainless steel tip serves as a plumb line.

A prism adapter is included in the scope of delivery.

Fixation via wing screw.



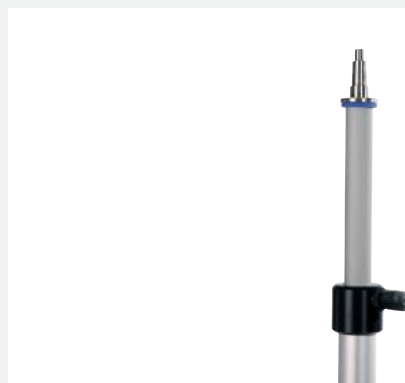
YOUR ADVANTAGES IN APPLICATION

Quick setting out of 90° angles in combination with double pentagon or angle prism.

Flexibility via telescopic extension.



Technical data	Plumb pole, metal
Material	aluminium
Height	100 - 180 cm
Weight	700 g
Diameter	25 mm



ACCESSORIES

For working with the plumb poles, you can obtain an angle prism and double pentagon from us.

Double pentagon, Art.-No. 11908000.

Angle prism, Art.-No. 11909000.





NESTLE field book frame
WOODEN

149

MADE OF WOOD

Our field book frames are extremely user-friendly and the ideal surface for field recordings.
 A celluloid insert protects against rain.
 The carrying strap is adjustable to your desired length.
 Our field book frames also set standards in terms of stability.
 Made of durable wood or hard-wearing plastic, weatherproof.
 Adjustable strap made of stable nylon.

Wooden field book frame:

Moss rubber strips prevent the aluminium base from slipping.
 Brass hinge tape.
 Stainless and powder-coated latches.

21107000

21109000



YOUR ADVANTAGES IN APPLICATION

For construction and cadastral surveying or on construction sites: With the NESTLE field book frames, plans are protected from wind and weather. Also ideal as a writing and drawing surface in the field.



Technical data Field book frame

Wood	Part no. / Weight
DIN A4, 260 x 335 mm	21107000 / 650 g
DIN A3, 335 x 460 mm	21109000 / 1.000 g

ACCESSORIES

As accessories for our field book frames, we offer:

Quick-Line drawing aid for DIN A3 field book frames, Art.-No. 21115000.
 Quick-Line drawing aid for DIN A4 field book frames, Art.-No. 21114000.

21114000





NESTLE field screen
FOR SURVEYING

151



NESTLE field screen
ACCESSORIES

151

SECURE PROTECTION OF THE INSTRUMENTS

21104000

Even high-quality surveying instruments with a high protection class should be protected from moisture and intense sunlight. Here, the field screen is an indispensable accessory for all types of surveying. The surveying engineer or technician also remains protected under the screen and can thus work effectively - despite rain or glaring sun

The field screen allows no water to penetrate.

Made of 100% polyester, approx. 190 g/sqm, uni-orange with a single-sided acrylate coating.

The pole with a thickness of 22/25 mm (with bending device) is wind-resistant.

Lower pole internally galvanised with integrated water drainage.

Additionally, the field screen can be tensioned with three Perlon cords and the supplied pegs.

The user-friendliness speaks for itself: the tip slides easily into the ground; an optional lawn spike is available.

Simply push the two segments together and fix them with the clamping screw.

With a height of approx. 220 cm (usable height approx. 190 cm), one can position oneself comfortably with the instrument under the screen.



YOUR ADVANTAGES IN APPLICATION

Easy to assemble.

Secure protection from sun and rain for the instrument and the surveyor.



Technical data	Field screen
Diameter	200 cm
Weight	3.200 g
Height	approx. 220 cm

ACCESSORIES

Optional accessories available for the field screen:

Carrying bag, Art.-No. 21105000.

Grass spike, Art.-No. 21106000.

21105000



21106000





NESTLE wall forestry calipers
EASILY MEASURE WALL THICKNESS

153

FOR INTERIOR FIT-OUT AND RENOVATION

For exact measurement of wall thickness by gripping the door frame during interior fit-out and renovation work.

Like NESTLE forestry calipers, the wall forestry calipers are characterised by their easy handling.

The vernier slides easily, without jamming, over the measuring rail, while displaying exact measurement results.

Deep black digits on a silver anodised layer.

Using the cut-outs in the measuring jaws, you can grip the door frame and measure the wall thickness in seconds.

With offset scales on the front and rear, you can measure internal and external dimensions.

30 mm oval profile with a special alloy that guarantees high bending strength.

The anodised layer prevents abrasion of the deep black digits and makes the forestry caliper resistant to construction dust and moisture.

Sliding handle made of impact-resistant polyamide; the measuring jaws are welded from stable aluminium.

Available in two lengths.

YOUR ADVANTAGES IN USE

Especially when renewing doors in old buildings, the wall forestry caliper provides enormous ease of work.

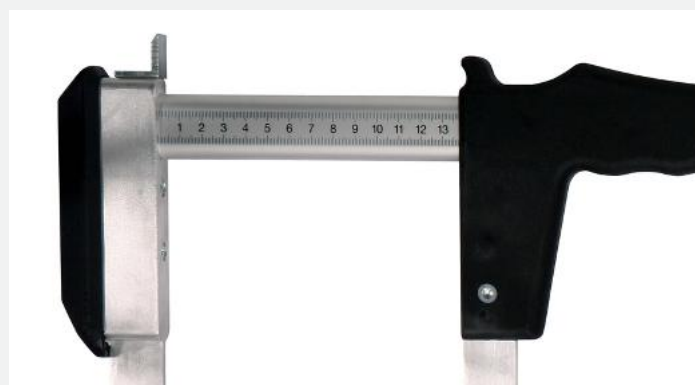
Technical data	Wall forestry caliper
Article number	21102000
Weight	900 g
Length	80 cm
Measuring range	60 cm inside / 50 cm outside
Article number	21103000
Weight	1.100 g
Length	120 cm
Measuring range	100 cm inside / 90 cm outside

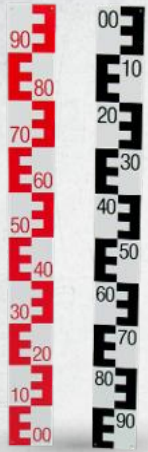
ACCESSORIES

For indoor measuring work, we recommend the NESTLE NDL-120C, Art. No. 24111001.

21102000

21103000





NESTLE levelling staffs
FOR LEVELLING MEASUREMENTS

155

LEVEL MEASUREMENT MADE EASY

For determining water or liquid levels and reading changes.

Extremely simple mounting via four holes in the corners of the levelling staffs.

Standard dimension 1000 x 100 x 10 mm, weight of only 250 g. Facilitates transport and assembly.

Numbering available in black and red. The print is easy and convenient to read from a distance against the white background.

The levelling staffs are made of high-quality rigid foam. At an ambient temperature of 20°C, they are largely resistant to weather influences, mineral oils and even diluted alkalis as well as acids.

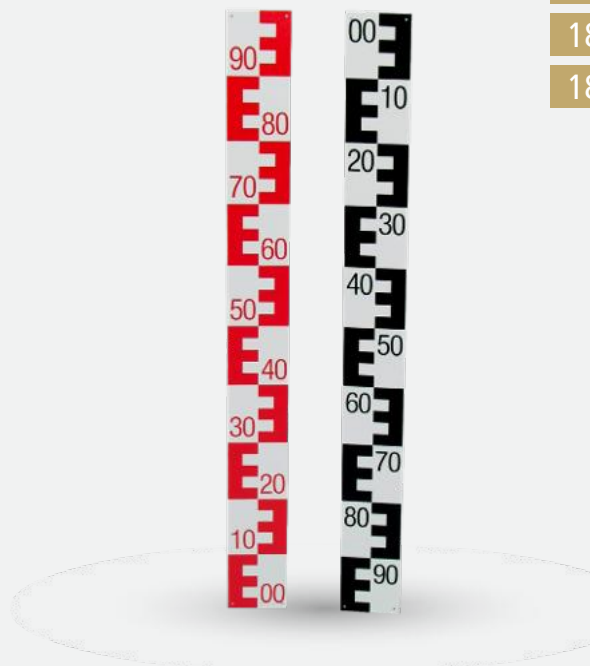
In addition to bottom-up graduation (00-90), you can also choose top-down graduation (90-00).

18500000

18501000

18502000

18503000



YOUR ADVANTAGES IN USE

Simple method for staff measurement.

Lightweight and easy to attach.

Weatherproof and robust.



Technical data

Staff gauges

Weight	250 g
Black 00-90	Art.-No. 18500000
Black, 90-00	Art.-No. 18501000
Red, 00-90	Art.-No. 18502000
Red, 90-00	Art.-No. 18503000

ACCESSORIES

In addition to staff, we also offer telescopic levelling staffs and laser staffs for levelling and work with laser devices.





NESTLE snow stakes
MADE FROM STEEL AND WOOD

157

PROVEN IN THE BLACK FOREST

To mark the road course in high snow cover - for municipal snow removal services and on factory grounds.
 Made of steel tube or wood, each PVC coated.
 Yellow / black.
 50 cm increments.
 Roh tip.

11300000

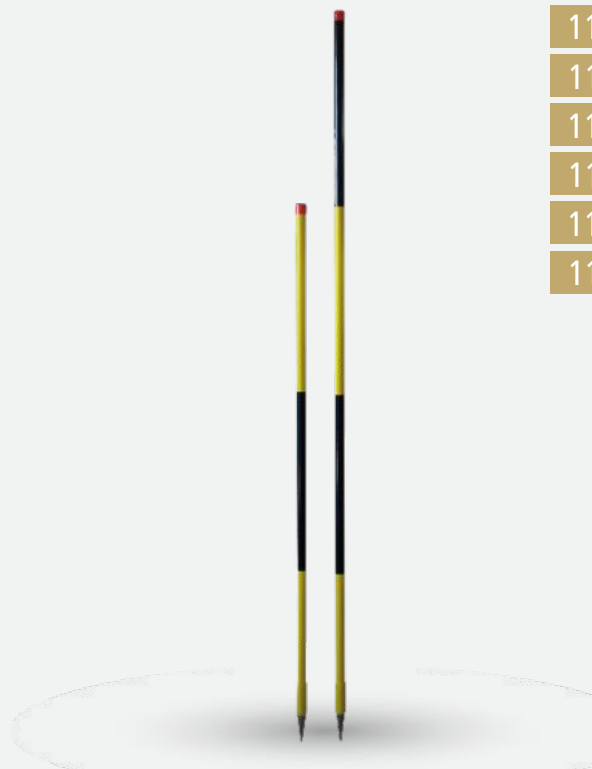
11301000

11302000

11303000

11304000

11305000



YOUR ADVANTAGES IN USE

Secure marking of the road layout in heavy snow cover.
 Yellow/black is highly visible.



Technical data	Snow poles
Made of steel tubing	Ø 27 mm
Item No. 11303000	150 cm
Item No. 11304000	200 cm
Item No. 11305000	250 cm
Made of wood	Ø 28 mm
Part No. 11300000*	150 cm
Part No. 11301000	200 cm
Part No. 11302000*	250 cm
* available from 108 units only	
Packaging unit	12 units



ACCESSORIES

We also offer high-quality ranging poles for a wide range of applications.



PRODUCTS | FORESTRY





NESTLE
FORESTRY CALIPERS FOR EFFICIENT WORKING
160



NESTLE
ALUMINIUM
164



NESTLE KOLIBRI shortening pole
SHORTENING AID
165



NESTLE Holzmichel
SÄGEBOCK
166

THE PRACTICAL - DURABLE AND ROBUST

For determining stem diameters.
 The Waldfix Forestry caliper has a flat profile and therefore a weight of only 400-600 g.
 The caliper slider glides over the measuring rail without jamming and displays exact measurement results.
 The anodised layer prevents numbers from wearing off and makes the Forestry caliper insensitive to wind and weather.
 The deep black digits under the titanium-coloured anodised layer are easy to read even at twilight.
 The special alloy gives the flat profile optimal bending strength.
 Sliding handle made of impact-resistant polyamide.
 Available as standard and "certified" *.

* Since 01.01.2018, our Forestry calipers have been assessed for conformity according to Module D1 (certificate DE-M-AQ-PTB144 issued by the PTB Braunschweig). (For Germany: The Forestry calipers can, as previously as the certified calipers, be used without limit in commercial trade. Recalibration is only required in the event of a repair).

YOUR ADVANTAGES IN USE

The caliper can be worn comfortably on a belt. To note down measurements, the caliper does not need to be set down and thus does not get dirty. No bending over is required.
 The technical properties guarantee comfortable handling even under difficult conditions.
 The Forestry caliper is extremely robust and resilient for long-term heavy use.

Technical data	Waldfix forestry caliper
Waldfix 40 cm, 400 g	"Calibrated" *: Part no. 20201000
	Standard: Part no. 20200000
Waldfix 50 cm, 500 g	"Calibrated" *: Part no. 20203000
	Standard: Part no. 20202000
Waldfix 60 cm, 600 g	"Calibrated" *: Part no. 20205000
	Standard: Part no. 20204000
Measuring rail 40 cm & 60 cm	Flat profile 25 x 5 mm
Measuring rail 50 cm	Flat profile 20 x 5 mm
Pitch	cm

FEATURES

Scope of delivery: Waldfix Forestry caliper

Trust our experience! We are the leading European manufacturer of forestry calipers. All Forestry calipers are one hundred per cent "Made in Germany". We also offer further forestry accessories such as cutting poles, a sawhorse or our marking rule.

20200000

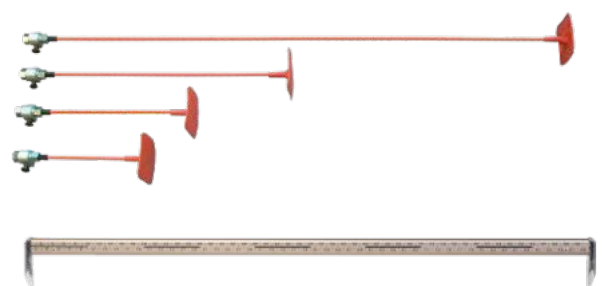
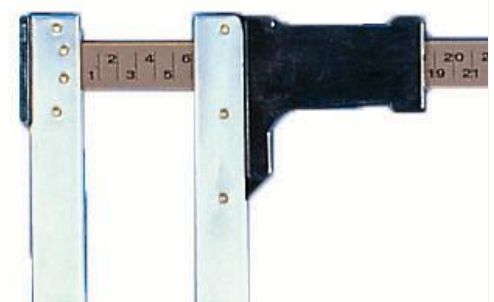
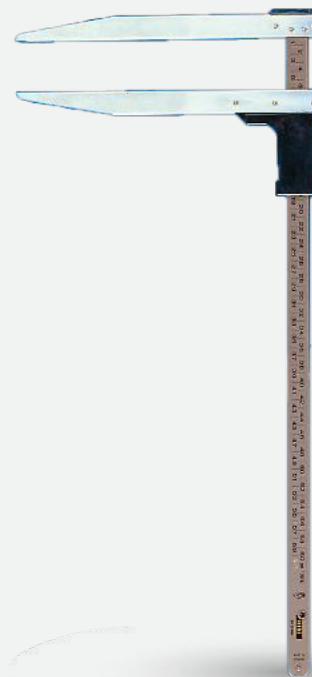
20201000

20202000

20203000

20204000

20205000



THE CLASSIC - MASTERFULLY FOREST-LIKE

For determining stem diameters.

The caliper of the Forestry caliper glides over the measuring rail without jamming, yet displays exact measurement results.

The anodised layer prevents number abrasion and makes the Forestry caliper resistant to wind and weather.

The deep black digits under the titanium-coloured anodised layer are easily legible even at twilight.

The special alloy guarantees high bending strength of the oval profile.

Sliding handle made of impact-resistant polyamide, measuring jaws made of welded aluminium.

Available as standard and "verified" *.

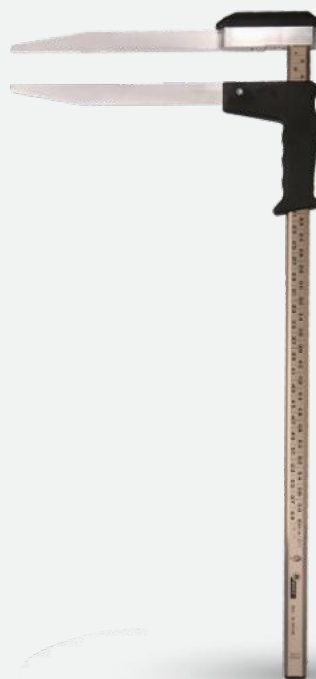
* Since 01.01.2018, our Forestry calipers have been assessed for conformity according to Module D1 (certificate DE-M-AQ-PTB144 issued by PTB Braunschweig). (For Germany: Like the previously verified calipers, the Forestry calipers can be used without limitation in commercial trade. Re-verification is only required in the event of a repair).

YOUR ADVANTAGES IN USE

The shape of the caliper facilitates reading with standing timber.

The technical properties provide the caliper with comfortable handling even under difficult conditions.

The forestry caliper is extremely robust and resilient for long-term heavy use.



20000001

20001001

20002001

20003001

20004001

20005001



Technical data	Waldmeister Forestry caliper
Waldmeister 40 cm, 800 g	Calibrated *Part no. 20000001
	Standard: Part no. 20001001
Waldmeister 60 cm, 900 g	Calibrated *Part no. 20002001
	Standard: Part no. 20003001
Waldmeister 80 cm, 1.000 g	Calibrated *Part no. 20004001
	Standard: Part no. 20005001
Waldmeister 100 cm, 1.100 g	Calibrated *Part no. 20006001
	Standard: Part no. 20007001
Measuring rails for all models	30 x 15 mm oval profile
Pitch	cm

FEATURES

Scope of delivery: Waldmeister forestry caliper

Various scale increments are available on request: in addition to the classic cm scale, a taxation scale is available. The taxation scale facilitates the classification of the measured tree trunks. With this scale, also known as the French scale, you can see the circumference of the measured trunk at a glance, alongside the diameter. All forestry calipers are one hundred per cent "Made in Germany".



THE TRIANGULAR FORESTRY CALIPER

For determining stem diameters.

The slider of the Forestry caliper glides without jamming over the measuring rail, displaying exact measurement results.

The anodised layer prevents abrasion of the digits and makes the Forestry caliper resistant to wind and weather.

The deep black digits under the silver anodised layer are also easily readable in twilight.

The triangular profile enables direct reading of the measurement result from above.

The special alloy provides the Forestry caliper with high bending strength.

The ergonomically shaped sliding handle is made of impact-resistant polyamide; the measuring jaws are welded from stable aluminium.

Available as standard and "calibrated" *.

* Since 01.01.2018, our Forestry calipers have been assessed for conformity according to Module D1 (certificate DE-M-AQ-PTB144 issued by PTB Braunschweig). (For Germany: The Forestry calipers can, as previously the calibrated calipers, be used indefinitely in commercial transactions. Recalibration is only required in the event of a repair).

YOUR ADVANTAGES IN USE

The shape of the Forestry caliper facilitates reading when lying timber. Technical specifications guarantee comfortable handling even under difficult conditions.

The Forestry caliper is extremely robust and resilient for many years of heavy use.

Technical data	Waldfreund Forestry caliper
Waldfreund 60 cm, 900 g	"Calibrated" *, Art.-No. 20101001 Standard, Art.-No. 20100001
Waldfreund 80 cm, 1.000 g	"Calibrated" *, Art.-No. 20103001 Standard, Art.-No. 20102001
Waldfreund 100 cm, 1.100 g	"Calibrated" *, Art.-No. 20105001 Standard, Art.-No. 20104001
Measuring rails for all models	Triangle, 30 mm
Pitch	cm

FEATURES

Scope of delivery: Waldfreund Forestry caliper

Upon request the Waldfreund Forestry caliper is also available with French scale.

Trust our experience! We are the leading European manufacturer of forestry calipers. All Forestry calipers are one hundred per cent "Made in Germany". You can find other forestry accessories from us, such as cutting rods, a sawhorse or our marking rule.

20100001

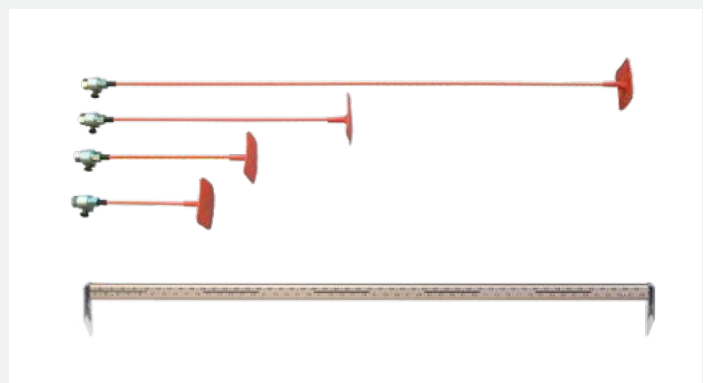
20101001

20102001

20103001

20104001

20105001



EFFICIENT WORKING - WITH THE DUAL FUNCTION OF THE SPECHT FORESTRY CALIPER

2 functions: shortening and determining stem diameter.

Suitable for use with

hand and motor saws via stops with a movable wood marker.

The slider of the Forestry caliper glides without jamming over the measuring rail, displaying exact measurement results.

The anodised layer prevents abrasion of the deep black numbers and makes the Specht Forestry caliper resistant to wind and weather.

The deep black digits under the titanium-coloured anodised layer are clearly legible even at twilight.

30 mm oval profile with a special alloy for high bending strength.

Sliding handle made of impact-resistant polyamide; the measuring jaws are welded from stable aluminium.

Available as standard and "verified" *.

* Since 01.01.2018, our Forestry calipers are assessed for conformity according to Module D1 (Certificate DE-M-AQ-PTB144 issued by PTB Braunschweig). (For Germany: The Forestry calipers can, as previously the verified calipers, be used without limit in commercial trade. Re-verification is only required in the event of a repair).

YOUR ADVANTAGES IN USE

The dual function of the caliper enables efficient working.

The movable wood grabber is simply applied to any position on the tree trunk. The lower stop at the head of the Forestry caliper is exactly 1 m from the wood grabber. The upper stop is 1 cm above the lower one and thus automatically calculates the wastage caused by your saw (only applies to Specht 80 cm).

The technical specifications guarantee comfortable handling even under difficult conditions.

The Forestry caliper is extremely robust and resistant for many years of heavy-duty use

Technical data	Specht forestry caliper
Specht 80 cm, 1.650 g	"Calibrated" *, Art.-No. 20302001
Specht 80 cm, 1.650 g	Standard, Art.-No. 20301001
Measuring rail for all models	Oval, 30 x 15 mm
Pitch	cm

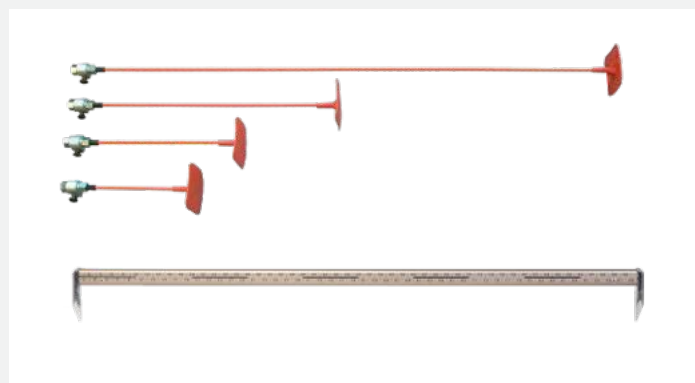
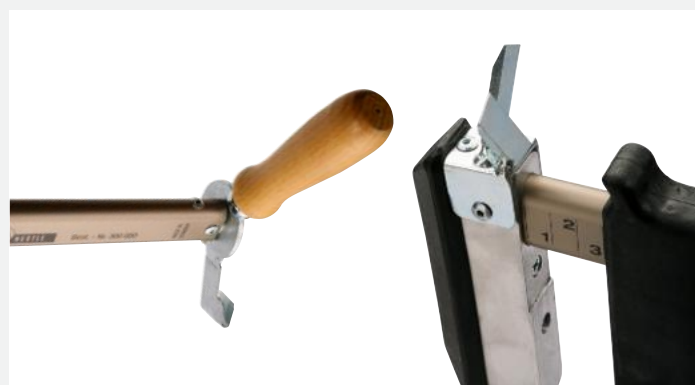
FEATURES

Scope of delivery: Specht Forestry caliper

Trust our experience! We are the leading European manufacturer of forestry calipers. All Forestry calipers are one hundred per cent "Made in Germany". With us, you will find further forestry accessories such as cutting poles, a sawhorse or our marking rule.

20301001

20302001



FOR MARKING TREE TRUNKS

Simple tool for marking timber stems.
Stable hooks made of galvanised steel.
The tips are exactly one metre apart.
Oval aluminium profile.
Black cm scale on both sides under a titanium-coloured anodised layer, also clearly legible in twilight.
The anodised layer prevents number wear and makes the marking meter stick resistant to wind and weather.

20500000

20900000

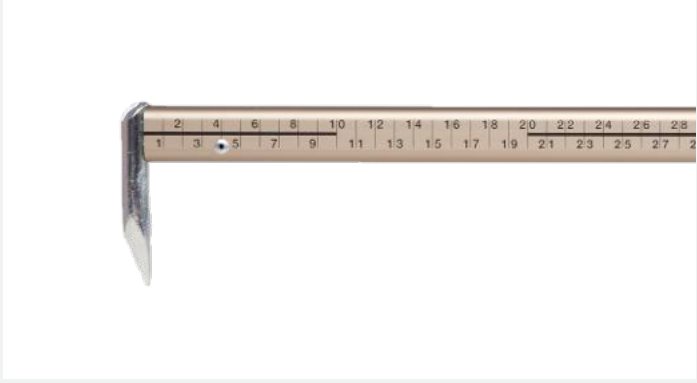


YOUR ADVANTAGES IN USE

The marking rule is more stable than wooden variants and thus more durable in tough daily use.



Technical data	Marking meter stick
Length	100 cm
Weight	700 g
Measuring rail material	aluminium, oval
Tip material	Steel, galvanised
Pitch	cm
Item no.	20500000



ACCESSORIES

Hand counter, see figure, "PRIMAT", counter 0000-9999, Part No. 20900000



CUTTING MADE EASY!

Ideal for fast cutting of firewood and fuel wood.

KOLIBRI 25 cm: Ideal for wood pieces to fuel wood stoves.

KOLIBRI 33 cm: Ideal for wood pieces to fuel tiled stoves.

KOLIBRI 50 cm: Ideal for wood pieces to fuel large boilers.

KOLIBRI 100 cm: Ideal for firewood.

KOLIBRI 100-v, 100 cm: with infinitely adjustable stop plate.

The peg is mounted on the screw for the blade attachment using the combination wrench in a few simple steps.
Coupling the KOLIBRI cutting pole is then lightning-fast with the one-hand quick fastening: press the button and place or remove the KOLIBRI.

Simply place the plate on the right at the end of the trunk and saw as usual.



20600000

20601000

20602000

20603000

20605000

YOUR ADVANTAGES IN USE

Saw without marking the log beforehand.

Saves time and effort.

Simple and fast mounting on all common types of chainsaws.

Remove Kolibri without setting the saw down.



Technical data	KOLIBRI shortening pole
KOLIBRI 25 cm	20600000
KOLIBRI 33 cm	20601000
KOLIBRI 50 cm	20602000
KOLIBRI 100 cm	20603000
KOLIBRI 100-v, 100 cm	20605000, adjustable
Material: Rod	Glass fibre
Material: Plate	Plastic

FEATURES

For further measuring work in the forest, we recommend our forestry calipers and our marking pole.

Trust our experience! We are the leading European manufacturer in the forestry caliper sector.

FOR FIREWOOD PRODUCTION

20604001

From practitioners for practitioners.

For obtaining firewood for the domestic stove.

Saw the wood into stove-ready logs of 25, 33 or 50 cm length.

The "Holzmichel" can hold a full 0,33 Ster (raummeter).

With 1m log length, these are then sawed into 33cm - logs with only two cuts; with 25cm log length, three cuts are required, with 50 cm only one.

Included ratchet strap for securing the load of the "Holzmichel".

"Holzmichel" sawhorse - one hundred per cent "Made in Germany".



YOUR ADVANTAGES IN USE

The "Holzmichel" sawhorse is ideal when the use of professional oscillating saws or band saws is not worthwhile.

The pluggable aluminium spar poles also tolerate contact with the chainsaw chain.

The markings on the timber for setting the cuts enable fast and precise sawing.

The "Holzmichel" can be dismantled with just a few manual steps, so that it can be carried in any car boot - the sawdust stays in the forest.



Technical data	Holzmichel
Wood holder	min. 0,33 ster
Weight	approx. 15 kg
Base frame dimensions	(W) 820 mm x (D) 465 mm x (H) 203 mm
With side supports inserted	1130 mm high
Aluminium side supports (8 pcs.)	25 mm x 25 mm x 1000 mm each
Shipping package size	1030 mm x 400 mm x 90 mm



ACCESSORIES

For further measuring work in the forest, we recommend NESTLE forestry calipers and marking pole.



Terms and Conditions

I. Validity

1. The following contractual provisions (GTC) shall apply to all contracts for the sale of goods between Gottlieb Nestle GmbH (hereinafter: Supplier) and the Customer.
2. These General Terms and Conditions shall apply exclusively to all deliveries and services. The Customer's general terms and conditions shall not apply even if the Supplier does not expressly object to them again.
3. The terms and conditions shall also apply to all future business relationships, even if they are not expressly agreed again.

II. Offer and conclusion of contract

1. The Supplier's offers shall be subject to change.
2. All agreements made between the Supplier and the Customer for the purpose of executing this contract shall be recorded in writing. Declarations of acceptance and orders shall require the Supplier's written order confirmation to be legally effective. The Supplier's sales employees shall not be authorized to make verbal collateral agreements or to give verbal assurances that go beyond the content of the written contract.
3. The Supplier reserves the unrestricted property and copyright exploitation rights to drawings and other documents; they may not be made accessible to third parties.
4. The Customer shall not be permitted to copy or imitate software and/or other programs.
5. The source code of the programs shall not be made available to the Customer.
6. The Supplier may take technical measures to protect software and/or other programs.
7. All information in the Supplier's sales documents (in particular software and/or other programs, price lists, catalogs, brochures, technical documents and digital media) is provided to the best of its knowledge and belief, but is subject to change and non-binding. We reserve the right to make changes.

III. Prices and payment

1. Prices are ex works excluding packaging. The statutory value added tax at the applicable rate shall be added to the prices.
2. Unless otherwise stated, the Supplier shall be bound by the prices contained in its offers for 30 days from their date.
3. Within the Federal Republic of Germany, we deliver from € 1,000.00 net invoice amount carriage paid to the receiving station, including packaging. For deliveries outside the Federal Republic of Germany, we deliver ex works plus shipping and packaging costs.
4. Unless otherwise agreed, payments must be made within 30 days of the invoice date. If payment is made within 10 days of the invoice date, we shall grant a 2% discount.
5. The Customer may only offset claims that are undisputed or have been legally established.
6. If payment is not made on time, the Supplier shall be entitled to charge interest on arrears. Further claims shall remain reserved.

IV. Delivery period and delay in delivery

1. Compliance with an agreed delivery period shall require the timely provision of all documents, approvals and releases to be provided by the Customer. If this is not the case, the deadline shall be extended appropriately, unless the Supplier is responsible for the delay.
2. The delivery deadline shall be deemed to have been met if the delivery item has left the Supplier's factory by the time it expires or readiness for dispatch has been notified.
3. Delays in delivery and performance due to force majeure and due to events that make delivery significantly more difficult or impossible for the Supplier not only temporarily, e.g. strike, lockout, official orders, etc., even if they occur at upstream suppliers or their sub-suppliers, even if they occur at sub-suppliers or their sub-suppliers, the supplier shall not be responsible even if binding deadlines and dates have been agreed. They entitle the supplier to postpone the delivery or service for the duration of the hindrance plus a reasonable start-up time or to withdraw from the contract in whole or in part due to the part not yet fulfilled. If the hindrance lasts longer than 3 months, the purchaser is entitled to withdraw from the contract with regard to the part not yet fulfilled after setting a reasonable grace period. If the delivery time is extended or if the supplier is released from his obligation, the purchaser cannot derive any claims for damages from this. The Supplier may only invoke the aforementioned circumstances if it notifies the Customer immediately.

4. If the Supplier is in default, the Customer may only withdraw from the contract if the Supplier is responsible for the delay and the Supplier has allowed a reasonable deadline set for delivery to expire without success.
5. Further claims for default shall be governed by Section VIII. Should the Supplier be liable for non-compliance with bindingly agreed deadlines and dates or other default, the Customer shall be entitled to compensation for default in the amount of 0.5% for each completed week of default, but not more than a total of 5% of the invoice value of the deliveries and services affected by the default. Any further claims shall be excluded in any case, unless the delay is due to at least gross negligence on the part of the Supplier.
6. The Supplier shall be entitled to make partial deliveries and render partial services at any time, unless the partial delivery or partial service is of no interest to the Customer.

V. Transfer of risk and shipment

1. The risk shall pass to the Customer at the latest when the delivery parts are dispatched, even if partial deliveries are made or the Supplier has assumed other services, e.g. the shipping costs or transportation.
2. If shipment is delayed due to circumstances for which the Customer is responsible, the risk shall pass to the Customer from the date of readiness for shipment.
3. At the Customer's request, the Supplier shall insure the shipment at the Customer's expense in accordance with the Customer's instructions.

VI. Rights in the event of defects

1. The Customer shall inspect the deliveries and services for defects immediately upon receipt. If defects are found, they must be noted to the carrier upon acceptance and be reported in writing immediately, but at the latest within one week of receipt of the rejected goods. Defects that cannot be discovered within this period even after careful inspection shall be reported to the Supplier in writing immediately after discovery.
2. Defective parts of the delivery or service shall be repaired or redelivered or re-performed at the Supplier's discretion. In this case, the Supplier shall, at its option and expense, - request that the defective part or device be sent to the Supplier for repair and subsequent return; - the Customer shall keep the defective part or device ready and a service technician of the Supplier shall be sent to the Customer to carry out the repair. If the Customer requests that rectification work be carried out at a location specified by it, the Supplier may comply with this request whereby replaced parts shall not be charged, while working time and travel expenses shall be paid at the Supplier's standard rates.
3. The Customer shall give the Supplier the necessary time and opportunity to carry out all rectifications and replacement deliveries deemed necessary by the Supplier. Otherwise, the Supplier shall be released from liability for the resulting consequences.
4. In the event of unsuitable or improper use or commissioning by the Customer or third parties, natural wear and tear, incorrect or negligent handling, improper maintenance, unsuitable operating materials, no claims for defects shall exist if the Customer does not refute a corresponding substantiated assertion that only one of these circumstances has caused the defect. If improper modifications or repair work are carried out by the Purchaser or third parties, no claims for defects shall exist for these and the resulting consequences in accordance with the aforementioned.
5. Replaced parts shall become the property of the Supplier.
6. The limitation period for claims for defects by the Purchaser shall be 24 months, calculated from the transfer of risk to the Purchaser.
7. Claims for defects regarding software and/or programs, rechargeable batteries and batteries, in particular with regard to their performance, shall only be recognized within 6 months of handover.
8. Returns shall only be accepted after prior agreement with the Supplier.

VII. Liability

1. Claims for damages shall be excluded irrespective of the type of breach of duty, including tortious acts, except in cases of willful misconduct or gross negligence.
2. In the event of a breach of material contractual obligations, the Supplier shall be liable for any negligence, but only up to the amount of the foreseeable damage. Claims for loss of profit, saved expenses, claims for damages from third parties, as well as other indirect and consequential damages

cannot be demanded, unless a quality feature guaranteed by the Supplier is specifically intended to protect the Customer against such damages.

3. The Customer shall indemnify the Supplier against any liability towards third parties arising from or in connection with services and/or deliveries that the Supplier provides and/or has provided on behalf of the Customer.
4. The limitations and exclusions of liability in paragraphs 1. and 2. shall not apply to claims arising from fraudulent conduct on the part of the Supplier, nor to liability for guaranteed characteristics, for claims under the Product Liability Act or for damages resulting from injury to life, body or health.
5. Insofar as the liability of the Supplier is excluded or limited, this shall also apply to employees, workers, representatives and vicarious agents of the Seller.

VIII. Retention of title

1. The goods shall remain the property of the Supplier until all claims (including all current account balance claims) to which the Supplier is entitled against the Customer for any legal reason now or in the future have been satisfied.
2. The Customer shall be entitled to process the reserved goods in the ordinary course of business and in particular to sell them as long as it is not in default. Pledges or transfers by way of security are not permitted. The customer hereby assigns to the supplier in full by way of security any claims arising from the resale or any other legal grounds (insurance, tort) in respect of the reserved goods (including all current account balance claims). The Supplier revocably authorizes him to collect the claims assigned to the Supplier for the Supplier's invoices and in his own name. This authorization to collect may only be revoked if the Customer does not properly meet its payment obligations.
3. In the event of access by third parties to the goods subject to retention of title, in particular seizures, the Customer shall draw attention to the Supplier's ownership and inform the Supplier immediately so that the Supplier can enforce its ownership rights. Insofar as the third party is not in a position to reimburse the Supplier for the judicial or extrajudicial costs incurred in this connection, the Customer shall be liable for this.
4. In the event of breach of contract by the Customer - in particular default of payment - the Supplier shall be entitled to withdraw from the contract and demand the return of the reserved goods.

IX. Applicable law, partial invalidity

1. These Terms and Conditions and the entire legal relationship between the Supplier and the Customer shall be governed by the law of the Federal Republic of Germany. The provisions of the UN Convention on Contracts for the International Sale of Goods shall not apply, even if the Customer has its registered office abroad.
2. If the Customer is a merchant, the Supplier's registered office shall be the exclusive place of jurisdiction for all disputes arising directly or indirectly from the contractual relationship.
3. Should a provision in these Terms and Conditions or a provision within the framework of other agreements be or become invalid, this shall not affect the validity of all other provisions or agreements.

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