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NESTLE
MEASURE WITH THE BEST

CATALOGUE

SURVEY | CONSTRUCTION | FORESTRY

Welcome to the Gottlieb NESTLE company!

Nestle tripods – built to last!

We would like to welcome you to the Gottlieb Nestle company!

Andreas Kern, head of sales

Acting Europe-wide as a manufacturer of survey accessories, the name Gottlieb Nestle stands for highest quality standards as well as for innovation.

Starting as a classic medium-sized enterprise we developed into one of Europe's leading suppliers for survey technology over the years. Please convince yourself of our wide variety of products concerning construction surveying and forestry.

With all our experience, our products' quality and reliability – according to our motto „Measure With The Best" - our intention is to make you the Best!

We are looking forward to having you as a customer!

Cordially

Yours, Andreas Kern

Our products

Measuring wheels
page 4

Tripods
page 13

Angle gauges + spirit levels
page 35

Linie lasers
page 40

Laser rods
page 75

Locators
Seite 77

Distancemeters
page 80

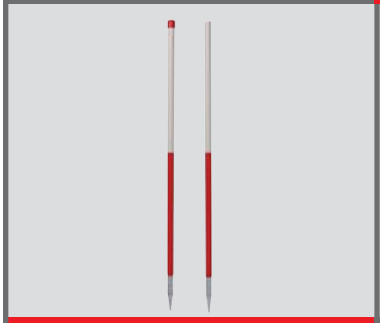
Disto-accessories
page 90

Warning products
page 107

Theodolites
page 110

Digital levels
page 114

Automatic levels
page 116



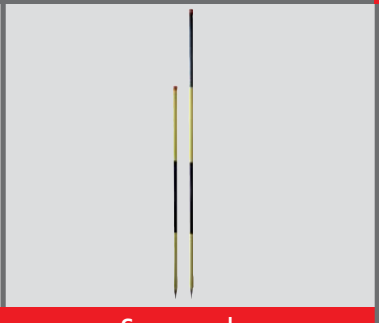
Ranging poles
page 150

Ranging pole accessories
page 153

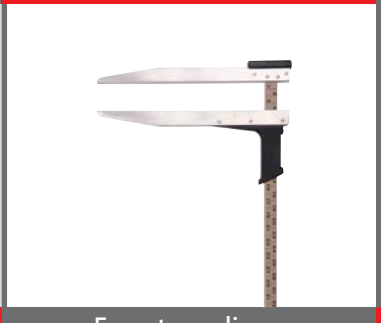
Double penta prism
page 159

Optical square
page 160

Gauge boards
page 169



Snow poles
page 171



Forestry calipers
page 173

Wood working
page 181

Rotating lasers
page 49

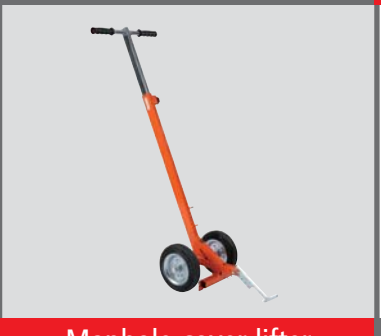
Pipe laser
Seite 61

Laser receivers
page 64

Laser accessories
page 72

Measuring tapes
page 93

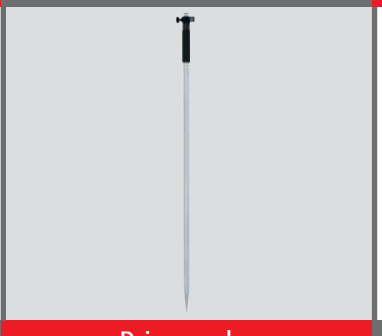
Telescopic meters
page 96



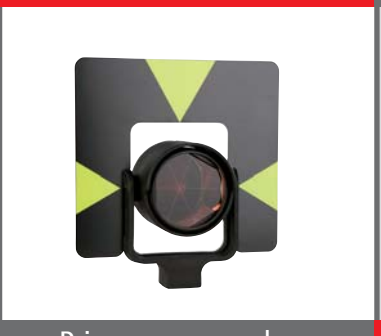
Manhole cover lifter
page 100

Warning pyramids
page 103

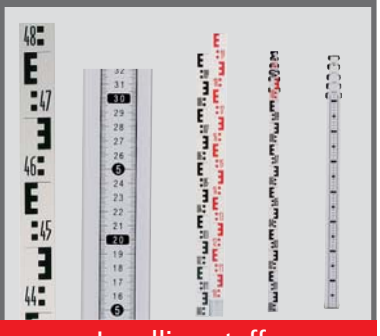
Clamp holder
page 123



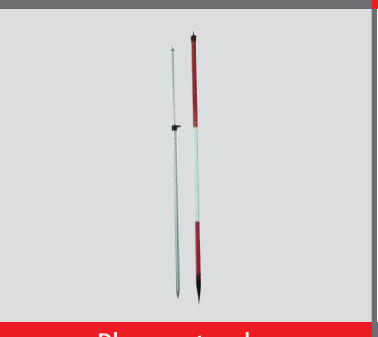
Prism poles
page 125



Prisms + scan sphere
page 141



Levelling staffs
page 144



Plummet poles
page 161

Field book frame
page 163

Survey umbrella
page 165

Wall caliper
page 167

Geomatics
page 186

Product directory
page 187

Terms and conditions
page 201

Products | Measuring wheels

Products | Measuring wheels

Precision measuring wheels

page 6

Measuring wheels standard

page 7

Synthetic measuring wheel

page 8

Measuring wheel with hinged guide rod

page 9

Measuring wheel with hand brake

page 10

Measuring wheel with dm reading

page 11

Cross-country measuring wheel

page 12

NESTLE measuring wheels

12000001, 12004001

NESTLE

Measuring wheel - precision models

- NESTLE precision measuring wheels for exact measurements.
- Ideal for distance measurements on construction sites and roadworks.
- Also suitable for accident investigations.
- Quality counter **„Made in Germany"** mounted directly above the wheel, easy to read while handling the wheel.
- The counter also works decremental, which makes subtractions possible.
- Zero-set lever attached to the counter for quick resets.
- Solid and large stand, easy to fold out.
- Integrated brake prevents from unintentional changes of the measuring result.
- Foldable handle for space-saving transport.
- Solid full wheel or spoke wheel respectively, made of aluminium die-cast metal keeps the measuring wheel firmly on the track.
- The rubber is ground to exactly 318.5mm diameter.
- The wheel`s framework is robot-welded and guarantees for lasting quality and durability.
- Also available as spoke wheel version on request.

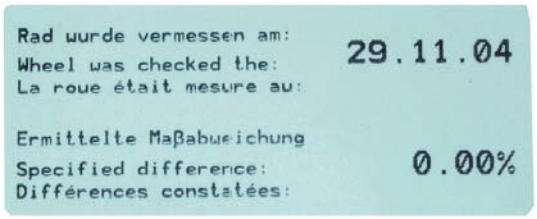
Measuring wheel 12000001

Measuring wheel 12004001

Application benefits

- Easy handling - top precision
- Quality workmanship and manufacturing keep our measuring wheels ready for toughest use over many years.
- As a certificate of quality, a sticker on the wheel indicates the deviation from the correct circumference. A Nestle exclusive feature!

Specifications	Measuring wheels precision models
Wheel	**Model no. 12000001: Full disc wheel**
	Model no. 12004001: Spoke wheel
Measuring range	9,999.99m / cm reading
Wheel diameter	318.5mm
Wheel circumference	1.00m
Accuracy	<0.02%
Weight	Model no. 12000001: 4,100g
	Model no. 12004001: 3,500g
Colour	Fluorescent colour red
Calibratable	Yes



Seal of quality

Accessories

As accessories for our measuring wheels we offer:

- Special support for rail measurement - the wheel is kept safely on the track. Model no. 12902000.
- Carrying case, model no. 12900000.
- Carrying bag, model no. 12901000.

NESTLE measuring wheels standard

12002001, 12006001

NESTLE

Measuring wheel - standard models

- Ideal for distance measurements on construction sites and roadworks.
- Also suitable for accident investigations.
- Quality counter **„Made in Germany"** mounted directly above the wheel, easy to read while handling the wheel.
- The counter also works decremental, which makes subtractions possible.
- Zero-set lever attached to the counter for quick resets.
- Solid and large stand, easy to fold out.
- Integrated brake prevents from unintentional changes of the measuring result.
- Foldable handle for space-saving transport.
- Solid full wheel or spoke wheel respectively, made of aluminium die-cast metal keeps the measuring wheel firmly on the track.
- The rubber is ground to exactly 318.5mm diameter.
- The wheel`s framework is robot-welded and guarantees for lasting quality and durability.
- Also available as spoke wheel version on request.

Measuring wheel 12002001

Measuring wheel 12006001

Application benefits

- Easy handling - top precision
- Quality workmanship and manufacturing keep our measuring wheels ready for toughest use over many years.
- As a certificate of quality, a sticker on the wheel indicates the deviation from the correct circumference. A Nestle exclusive feature!

Specifications	Measuring wheel standard
Wheel	**Model no. 12002001: Full disc wheel**
	Model no. 12006001: Spoke wheel
Measuring range	9,999.99m / cm reading
Wheel diameter	318.5mm
Wheel circumference	1.00m
Accuracy	<0,05%
Weight	Model no. 12002001: 3,900g
	Model no. 12006001: 3,300g
Colour	Warning colour orange
Calibratable	Yes

Accessories

As accessories for our measuring wheels we offer:

- Special support for rail measurement - the wheel is kept safely on the track. Model no. 12902000.
- Carrying case, model no. 12900000.
- Carrying bag, model no. 12901000.

NESTLE synthetic measuring wheel

12012001

NESTLE

Measuring wheel - synthetic model

- The synthetic measuring wheel has a solid metal kickstand.
- Reflector on handle - more safety on roadworks.
- The synthetic measuring wheel is easy to handle, because of his lightweight construction.
- Qualtiy measuring wheel **„Made in Germany“**.
- Counter mounted directly above the wheel, easy to read while handling the wheel.
- Zero-set lever attached to the counter for quick resets.
- Integrated brake prevents from unintentional changes of the measuring result.
- Foldable handle for space-saving transport with quick clamping.
- The rubber is ground to exactly 318.5mm diameter.

Application benefits

- Accurate and easy handling.
- Quick clamping on joint for fast setting up.
- Lightweight materials are combined with a solid manufacture – ideal for work constructions.
- The plastic material is reinforced of fibre glass.

Specifications	Measuring wheel synthetic
Wheel	Synthetic spoke wheel
Measuring range	9,999.9m / dm reading
Wheel diameter	318.5cm
Wheel circumference	1.00m
Accuracy	<0,05%
Weight	2,100g
Colour	red / black

Accessoires

As accessories for our measuring wheels we offer:

- Carrying case, model no. 12900000.
- Carrying bag, model no. 12901000.

NESTLE measuring wheel with hinged guide rod 12008000

NESTLE

A new generation of measuring wheels

- Quality counter **„Made in Germany"** mounted directly above the wheel, easy to read while handling the wheel.
- The counter also works decremental, which makes subtractions possible.
- Zero-set lever attached to the counter for quick resets.
- Solid and large stand, easy to fold out.
- The stand also works as brake to prevent from unintentional changes of the measuring result.

Only a solid measuring wheel guarantees for enduring precision:

- The wheel`s framework is robot-welded and guarantees for lasting quality and durability. The wheel is powder-coated in red warning colour.
- Solid spoke wheel made of aluminium die cast metal, keeps the measuring wheel firmly on the track.
- The rubber is ground to exactly 318.5mm diameter. As a certificate of quality, a sticker on the wheel indicates the deviation from the correct circumference. A Nestle exclusive feature!
- The model 12008000 has a hinged guide rod, not the usual foldable handle which is fixed with a wing screw. This provides an accurate free-of-play connection.

Application benefits

Ideal for distance measurements on construction sites and roadworks.

Specifications	Measuring wheel with hinged guide rod
Wheel	Spoke wheel
Measuring range	9,999.99m / cm reading
Wheel diameter	318.5mm
Wheel circumference	1.00m
Accuracy	< 0.05%
Weight	3,400g
Colour	Warning colour red
Calibratable	Yes

Accessories

As accessories for the measuring wheel we offer:

- Carrying case, 12900000.
- Carrying bag, 12901000.

NESTLE measuring wheel with hand brake

12010001

NESTLE measuring wheel with spoke wheel and hand brake

- Quality counter **„Made in Germany“** mounted directly above the wheel, easy to read while handling the wheel.
- The counter also works decremental, which makes subtractions possible.
- Zero-set lever attached to the counter for quick resets.
- Solid and large stand, easy to fold out.

Only a solid measuring wheel guarantees for enduring precision:

- The wheel`s framework is robot-welded and guarantees for lasting quality and durability. The wheel is powder-coated in orange warning colour.
- Solid spoke wheel, made of aluminium die cast metal, keeps the measuring wheel firmly on the track.
- The rubber is ground to exactly 318.5mm diameter. As a certificate of quality, a sticker on the wheel indicates the deviation from the correct diameter. A Nestle exclusive feature!
- The standard brake has been converted into a hand brake attached to the guiding rod. The brake handle has to be pulled to release the wheel. Thus, accuracy becomes enhanced.
- Due to the brake attached to the guiding rod, the measuring wheel cannot be folded.

Application benefits

Ideal for distance measurements on construction sites and roadworks. A special support for rail measurement is also available - the wheel is kept safely on the track.

Also suitable for accident investigations:
Rely on precision measuring wheels made by NESTLE!

Specifications	Measuring wheel with hand brake
Wheel	Spoke wheel
Measuring range	9,999.99m / cm reading
Wheel diameter	318.5mm
Wheel circumference	1.00m
Accuracy	<0.05%
Weight	3,400g
Colour	Warning colour orange

Accessories

As accessories for our measuring wheel we offer:

- Support for rail measurement, 12902000.

NESTLE measuring wheel with dm reading

12014000

NESTLE

Wheel for approximative measurements

- The model 12014000 is especially designed for approximative measurements, when dm-reading and an accuracy of 0.1% are sufficient.
- Quality counter **„Made in Germany"** mounted directly besides the wheel.
- The counter also works decremental, which makes subtractions possible.
- Small wheel for quick reset attached to the counter. Integrated brake prevents from unintentional changes of the measuring result.
- Foldable handle for space-saving transport.

Only a solid measuring wheel guarantees for enduring precision:

- The wheel`s framework is robot-welded and guarantees for lasting quality and durability. Powder coated in warning colour orange.
- Solid full wheel for keeping the measuring wheel firmly on the track.
- The rubber is ground to exactly 160mm diameter.

Application benefits

- For approximative measurements on construction sites and roadwork.
- Small dimensions.

Specifications	Measuring wheel with dm reading
Wheel	Full disc wheel
Measuring range	9.999,9m /dm reading
Wheel diameter	160mm
Wheel circumference	50m
Accuracy	0.1%
Weight	1,300g
Colour	

Accessories

Available for measuring wheel 12014000:

- Carrying bag, 12903000.

NESTLE cross-country measuring wheel 12015001

Measuring wheel for cross-country measurements

- The big wheel with 2m circumference is shock-absorbing and keeps in lane when measuring off-street.
- Its characteristics make the wheel the perfect choice for measuring fields and meadows.
- Quality counter **„Made in Germany"** mounted directly above the wheel, easy to read while handling the wheel.
- The counter also works decremental, which makes subtractions possible.
- Zero-set lever attached to the counter for quick resets.
- Solid and large stand, easy to fold out.
- Integrated brake prevents from unintentional changes of the measuring result.
- Foldable handle for space-saving transport.

Only a solid measuring wheel guarantees for enduring precision:

- The spoke wheel, keeps the device in lane and guarantees for smoothness of running.
- The rubber is ground to exactly 636.6mm diameter. The wheel`s frame work is robot-welded and guarantees for lasting quality and durability.
- The model has a zero-pointer placed as pendulum besides the wheel.

Application benefits

- Cross-country distance measurements.
- The big wheel is shock-absorbent for keeping in lane.

Specifications	Cross-country measuring wheel
Wheel	Spoke wheel
Measuring range	9,999.99m / cm reading
Wheel diameter	636.6mm
Wheel circumference	2.00m
Accuracy	0.1%
Weight	8,000g
Colour	Warning colour orange

Accessories

NESTLE- wheels for exact measurements.

- Measuring wheel with hinged guide rod, 12008000.
- Measuring wheel with hand brake, 12010001.
- Measuring wheel with dm reading, 12014000.

Products | Tripods

Products | Tripods

Aluminium tripod
light
page 15

Telescopic tripod
light
page 16

Aluminium tripod
medium
page 17

Aluminium tripod
medium
page 18

Aluminium tripod
heavy, standard head plate
page 19

Aluminium tripod
heavy, circular head plate
page 20

Elevating tripods
multifunctional head
page 21

Elevating tripods
medium, direct drive
page 22

Elevating tripods
medium, self-impeding
page 23

Elevating tripods
heavy, self-impeding
page 24 + 25 (strut section)

Heavy elevating tripods
page 26

Manhole tripod
page 27

Carbon tripods
page 28

Wooden tripod,
PVC-coated + heavy duty
page 29 - 32

Tripod-accessoires
page 33

Camera tripod
Column stand
page 34

NESTLE aluminium tripod, light

13000000

NESTLE

Light version

- The lightweight 13000000 is especially designed for levelling, which often requires quick repositioning.
- Quick locking with eccentric clamping levers.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof and designed for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- Tripod head made of polymer-fibreglass composite.
- The special Features is the circular bubble which is integrated in the tripods head-ideal for quick setting up.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.

Application benefits

- Low weight for easy transport and positioning.
- The plastic tips are ideal for indoor measurements.

Specifications	Aluminium tripod, light
Head	Flat, with circular bubble
Working range,1m distance of tips	90 – 170cm
Transport length	105cm
Clamping	Eccentric, circumferential
Weight	2,200g
Thread connection	5/8"

Features

- Plastic tips for safe positioning on smooth ground and to prevent damages of surfaces like parquet flooring and paving tiles.
- Head with circular bubble.

NESTLE telescopic tripod

13001000

NESTLE

Light version

- For light rotating and line lasers. In combination with the Pythagoras-adaptor, using the telescopic tripod increases reliability and accuracy of distance measurements with Disto-devices.
- The tripod has a 5/8" connection, delivery includes an 1/4" adaptor.
- Position the tripod, then simply extend the telescopic segment up to the required height and fix it.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof and designed for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.

Application benefits

- Easy transport.
- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.

Specifications	Telescopic tripod
Working range, 1m distance of tips	77 – 190cm
Transport length	99cm
Clamping	Eccentric
Weight	2,700g
Thread connection	5/8" / 1/4"

Feature

- Delivery includes 1/4" adaptor, model no 13923000.

NESTLE aluminium tripod, medium

13100000

NESTLE

Aluminium tripod, medium version

- The medium 13100000 is especially designed for levelling, which often requires quick repositioning.
- Quick locking with ergonomically designed eccentric clamping levers for easy handling - even with gloves on.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- Tripod head made of polymer-fibreglass composite.
- The special feature is the circular bubble which is integrated in the tripods head-ideal for quick setting up.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

Application benefits

- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.

Specifications	Aluminium tripod, medium
Head	Flat, with circular bubble
Working range, 1m distance of tips	90 – 170cm
Transport length	106cm
Clamping	Eccentric, circumferential
Weight	3,300g
Thread connection	5/8"

Feature

- Head with circular bubble.

- Also available as a short version:
  model no.13105000, operating height 41-57cm, transport length 55cm.

NESTLE aluminium tripod, medium

13101000

Medium version, 10 years spare part warranty

- The medium 13101000 is especially designed for levelling, which often requires quick repositioning.
- Quick locking with ergonomically designed eccentric clamping levers for easy handling - even with gloves on.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- Tripod head made of polymer-fibreglass composite.
- The special feature is the circular bubble which is integrated in the tripod`s head-ideal for quick setting up.
- The central locking screw is movable.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

Application benefits

- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.
- We guarantee 10 years availability of spare parts for this model.

Specifications	Aluminium tripod, medium
Head	Flat, with circular bubble
Working range,1m distance of tips	90 – 170cm
Transport length	106cm
Clamping	Eccentric, circumferential
Weight	3,500g
Thread connection	5/8"

Features

- Head with circular bubble.
- Central locking screw movable.
- 10 years spare part warranty.

NESTLE aluminium tripod, heavy

13102000

NESTLE

Heavy duty version, standard head plate

- The 13102000 is especially designed for use with levels, light rotating lasers and theodolites.
- Quick locking with ergonomically designed eccentric clamping levers for easy handling - even with gloves on.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- Tripod head made of metal.
- The central locking screw is movable.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

Application benefits

- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.
- Also for use with theodolites.

Specifications	Aluminium tripod, heavy
Head	Flat, metal
Working range,1m distance of tips	90 – 170cm
Transport length	106cm
Clamping	Eccentric, circumferential
Weight	3,700g
Thread connection	5/8"

Features

- Also available with domed head version model no. 13104000.
- Tip made of polymer-fibreglass composite with metal pin.

NESTLE aluminium tripod, heavy

13103000

Heavy duty version, circular head plate

- The 13103000 is especially designed for use with levels, light rotating lasers and theodolites.
- The circular head plate is ideal for use with theodolites, when the instrument has to be positioned perpendicular over a certain point.
- Quick locking with ergonomically designed Eccentric clamping levers for easy handling - even with gloves on.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodised aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- Tripod head made of metal.
- The central locking screw is movable.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

Application benefits

- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.
- Especially for use with theodolites - quick positioning over a certain point.

Specifications	Aluminium tripod, heavy
Head	Flat, Ø168mm, metal
Working range, 1m distance of tips	90 – 170cm
Transport length	106cm
Clamping	Eccentric, circumferential
Weight	3,900g
Thread connection	5/8"

Features

- Tip made of polymer-fibreglass composite with metal pin.
- Circular head plate.

NESTLE elevating tripods

13200000, 13201000, 13202000

NESTLE

Light aluminium version with multifunctional head

- These elevating tripods are suitable for light and medium rotating lasers.
- With the double gear reduction (1.2cm crank elevation / revolution) a specific height can be approached easily. Even when burdened with heavy laser devices, the 35cm elevator can be moved without effort.
- Patented multifunctional head with slip guard and integrated circular bubble.
- The self- locking system prevents the elevator from slippage. The tripod keeps the chosen height even under heavy weight lasers and vibrations on the job site.
- Quick locking with ergonomically designed Eccentric clamping levers for easy handling - even with gloves on.
- New patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

13200000 13201000 13202000

Application benefits

- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.
- Three versions for highest flexibility at work - from cutting check up to heights of 3 meters.

Specifications	Elevating tripods, multifunctional head
Model no. 13200000	Transport size: 72cm
Range	58 – 130cm
Weight	3,000g
Model no. 13201000	Transport size: 108cm
Working range,1m distance of tips	90 – 194cm
Weight	3,700g
Model no. 13202000	Transport size: 161cm
Working range, 1m distance of tips	150 – 300cm
Weight	4,800g
Elevator all models	35cm
Thread connection	5/8"

Accessories

Tripods by NESTLE for all applications!

We also offer a wide variety of accessories for elevating tripods!
See page 33.

NESTLE elevating tripods, direct drive

13300000, 13301000, 13302000

Medium aluminium versions with direct drive

- The direct drive allows for quickly elevating the column for approximately reaching the required height.
- Then simply turn the direct drive for fine adjustment and fix the tripod`s elevation with the locking screw.
- Models 13300000 and 13301000 feature a new patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- Model 13302000 has a double side clamping for maximum clamping force. This patented system works directly in the direction of force. This provides for maximum stability especially at large heights.
- When required, the tripod legs tips can be covered with rubber caps. This ensures safe positioning on smooth ground and prevents damages of surfaces like parquet flooring and paving tiles.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

13300000 **13301000** **13302000**

Application benefits

- Quick setting up with the direct drive.
- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.

Specifications	Elevating tripods, direct drive
Model no. 13300000	Transport size: 109cm
Working range, 1m distance of tips	90 – 197cm
Weight	4,100g
Model no. 13301000	Transport size: 161cm
Working range, 1m distance of tips	150 – 300cm
Weight	5,200g
Model no. 13302000	Transport size: 209cm
Working range, 1m distance of tips	200 – 394cm
Weight	7,400g
Elevator	35cm
Thread connection	5/8"

Eccentric-Clamping at 13300000 and 13301000

Pagen-Clamping at 13302000

Feature

- Tips with rubber caps.

Rubber cap at 13300000 and 13301000

Tip at 13302000

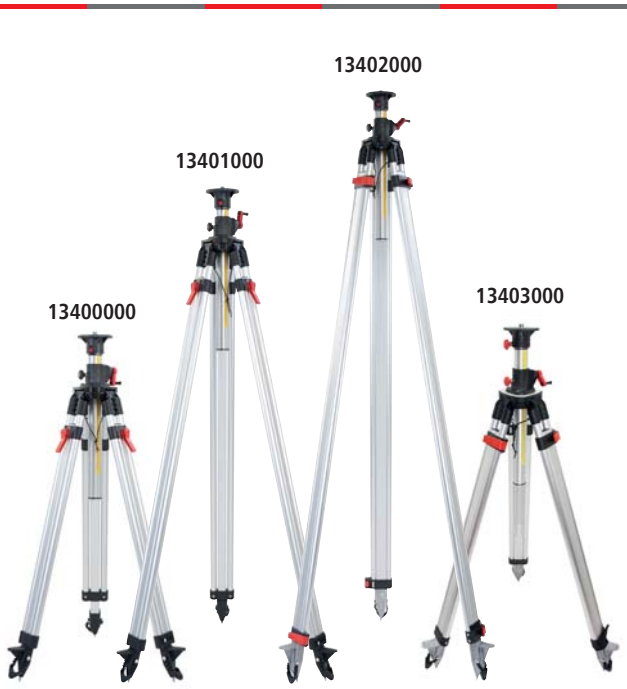
NESTLE elevating tripods, medium

13400000, 13401000, 13402000,...

NESTLE

Medium aluminium version, self-impeding

- These elevating tripods are suitable for light and medium rotating lasers.
- With the double gear reduction (1.2cm crank elevation / revolution) a specific height can be approached easily. Even when burdened with heavy laser devices, the 35cm elevator can be moved without effort.
- Models 13400000 and 13401000 feature a new patented circumferential clamping system. The clamping force takes effect on the outer and inner profiles. The force is always constant at every grade of extension.
- Model 13402000 has a double side clamping for maximum clamping force. This patented system works directly in the direction of force. This provides for maximum stability especially at large heights.
- When required, the tripod legs´ tips can be covered with rubber caps. This ensures safe positioning on smooth ground and prevents damages of surfaces like parquet flooring and paving tiles.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.



Model 13403000
with extension

Application benefits

- The self-impeding elevator allows millimetre by millimetre approaching the height.
- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.

Specifications	Elevating tripods, medium
Model no. 13400000	Transport size: 109cm
Working range, 1m distance of tips	90 – 197cm
Weight	4,100g
Model no. 13401000	Transport size: 161cm
Working range, 1m distance of tips	150 – 300cm
Weight	5,200g
Model no. 13402000	Transport size: 209cm
Working range, 1m distance of tips	200 – 394cm
Weight	7,400g
Model no. 13403000	Transport size: 127cm
Working range, 1m distance of tips	105 – 290cm
Weight	5,600g
Elevator all models	35cm
Thread connection all models	5/8"

Eccentric-Clamping and tip
13400000 and 13401000

Features

- Side clamping, model 13402000.
- Model 13403000: For transport and storage the extension can be retracted. Thus, it can neither be forgotten nor misplaced.

Pagen-Clamping and tip
13402000

NESTLE elevating tripods, heavy

13500000, 13501000, 13502000

NESTLE

Heavy aluminium version, self-impeding

- These elevating tripods are suitable for heavy rotating lasers.
- With the gear reduction (0,7cm crank elevation / revolution) a specific height can be approached easily. Even when burdened with heavy laser devices, the 35cm elevator can be moved without effort.
- Models 13501000 and 13502000 have a double side clamping for maximum clamping force. This patented system works directly in the direction of force. This provides for maximum stability especially at large heights.
- When required, the tripod legs tips can be covered with rubber caps. This ensures safe positioning on smooth ground and prevents damages of surfaces like parquet flooring and paving tiles.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The aluminium tubes slide without jamming. This prevents the material from wear and keeps the tripod ready for use over a long period of time.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

13500000 13501000 13502000

Application benefits

- The heavy self-impeding elevator allows millimetre by millimetre approaching the height. Even with heavy laser devices.
- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.

Specifications	Elevating tripods, heavy
Model no. 13500000	Transport size: 109cm
Working range, 1m distance of tips	90 – 188cm
Weight	5,400g
Model no. 13501000	Transport size: 161cm
Working range, 1m distance of tips	150 – 295cm
Weight	6,900g
Model no. 13502000	Transport size: 209cm
Working range, 1m distance of tips	200 – 391cm
Weight	8,100g
Elevator all models	35cm
Thread connection	5/8"

Features

- All models feature side clamping.
- Double side clamping for models 13501000 and 13502000.

tip 13500000

tip 13501000
and 13502000

NESTLE elevating tripod, strut section

13503000

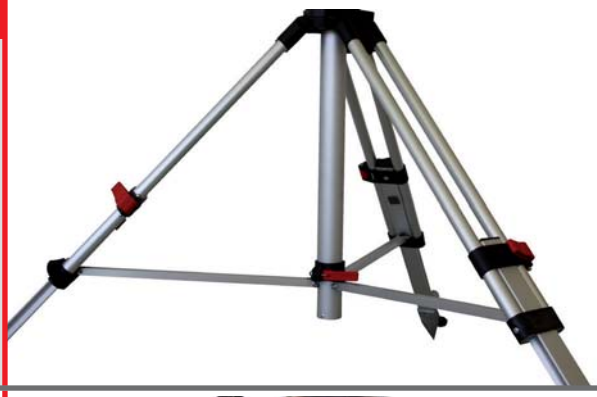
NESTLE

Heavy aluminium version, self-impeding

- This elevating tripod is suitable for heavy rotating lasers.
- The middle strut section guarantees a constant and quick setting up.
- The working range goes up to 270cm.
- Because of the strut section - none tripod leg slides away.
- When required, the tripod legs tips can be covered with rubber caps. This ensures safe positioning on smooth ground and prevents damages of surfaces like parquet flooring and paving tiles.
- We only use high-quality aluminium for the tubes and profiles. The anodized aluminium parts are weather-proof for toughest use.
- The plastic parts are made of polymer-fibreglass composite and are extremely robust. These quality characteristics make NESTLE tripods the superior choice in comparison to competitive products.
- Solid tips.

Application benefits

- The self-impeding elevator allows millimetre by millimetre approaching the height.
- Superior use ability.
- Best materials and quality workmanship keep the tripod ready for years of toughest use.



Specifications	Aluminium tripod, heavy
Transport length	115cm
Working range, 1m distance of tips	85 – 270cm
Weight	7,000g
Elevator	50cm
Thread connection	5/8"

Features

- Tips with rubber caps
- Side clamping
- Strut section
- NESTLE has for all kind of work the right tripod

Heavy duty tripods

13600000, 13601000

NESTLE

Heavy elevating tripods

- The tripods guarantee stability for lasers at large heights.
- Rugged aluminium construction with central strut section.
- The crank is easy to operate, even with heaviest laser devices.
- Mounting screw 5/8" (other threads available on request).
- Detachable top plate Ø 140mm.
- Crank handle undetachable (the screws can´t be removed completely so no parts can get lost on the jobsite).
- Tips made of solid steel, replaceable.
- Including one set of tips with rubber caps to protect damageable surfaces and one set for exterior applications.
- The circular bubble placed besides the central column allows for quick setting up.
- The NESTLE heavy tripod is in accordance with numerical simulation calculation by **Ingenieurbüro Dr. Heiser** in the virtual-wind-tunnel stable over 90km/h wind speed. The calculation was performed by CFD method (computational fluid dynamic) in full working height and rotary laser on top.

Application

- The tripods guarantees stability for lasers at large heights - even under stormy weather conditions. Ideal for machine control applications.
- The crank handle is located directly below the central column and can be operated any time and at any tripod extension height.
- The clamping buttons are placed in the side of the leg and therefore protected from transport damages.
- Ideal balance of weight: The tripod - while being light enough to be operated by one single person - is also solid and heavy enough to withstand wind and stormy weather conditions on the jobsite.

Specifications	Heavy duty tripods
Height min.	**13600000:** 162cm / **13601000**: 212cm
Height max.	**13600000:** 360cm / **13601000**: 452cm
Crank elevation both models	80cm
Transport size	**13600000:** 177cm / **13601000:** 230cm
Base circle	**13600000:** 220cm / **13601000:** 300cm
Weight	**13600000**: 17kg / **13601000:** 20kg

Accessoires

Delivery includes transport bag and 2 sets of tips (with/without rubber caps).

NESTLE manhole tripod

13610000

NESTLE

For variable use up and down

- With the NESTLE manhole tripod you can introduce 3D laser scanner (e.g. FARO 3D) any deep into the shaft.
- With the delivery of five extensions a depth of 4m from the stand base is possible.
- To move the Instrument up or down the supplied crank or an optional cordless drill can be used.
- A removable device used to facilitate installation of the scanner: Z + F IMAGER 5006, Z + F IMAGER 5010; Leica HDS 7000, Leica HDS 6000, Faro Focus 3D. Adaptations of other scanners available on request.
- We assume the guarantee to 5m depth from the stand base. Scope of delivery: Manhole tripod with 1 extension 1m, plate 110mm, incl. rubber feet, 4 extensions à 1m in a bag, crank, adapter for cordless screwdriver, T-spanner, coupling for operation down, coupling for operation up.

Application benefits

- Due to the special design and the included fittings is both an operating up and down without rebuilding effort possible.
- Robust construction.
- Stable crank column.
- Dental column elements separately identifiable.

With the crank, the scanner can be brought to the desired work area exactly in position.

Specifications	Manhole tripod
Weight with 1 extension	8,500g
Weight of 1 extension	1,200g
Transport length	130mm
Weight of attaching device	max. 20kg

Features

- Tripod dolly, model no. 13900000.
- Extension tube 100cm, model no. 13926000.
- Scanner quick coupling complete, model no. 13930000.
- Manhole cover lifter, model no. 21000000.

Reference:
- Cordless screwdriver.

NESTLE carbon tripod GEO

13706000, 13707000

NESTLE

For total stations and scanners

- As a material for prism and antenna poles carbon is already very popular.
- Light weight and a thermal expansion coefficient better than aluminum, wood and even invar makes carbon an ideal choice as material for tripods.
- The carbon tripod GEO Delta, model no. 13706000 is equipped with a triangular head plate and the carbon tripod GEO Omega, model no. 13707000 with detachable round head plate.
- The NESTLE carbon tripods series GEO are particularly suitable for precision measurements with scanners and total stations for indoor and outdoor use.
- The low weight reduces transport costs e.g. while travelling airplanes, and makes changing the station point very comfortable.

Application benefits

- Thermal expansion coefficient better than wood and invar
- Very low weight compared to wood
- Suitable for precision measurements with scanner or total stations
- Delivered with dust protection pouch

Specifications	NESTLE carbon tripod GEO
Working range, 1m distance of tips	93 – 169cm
Transport lenght	108cm
Thread connection	5/8''
Clamping	Clamp screw / Eccentric enclosed
Standard	DIN 18726 for instruments until 10kg
Colour	Black, grey, bright red
Carbon tripod GEO Delta	**Model no. 13706000**
Head plate	Flat, metal, triangular
Weight	3,700g
Carbon tripod GEO Omega	**Model no. 13707000**
Head plate	Flat, metal, round (removable)
Weight	3,800g

Accessories

Optionally, we recommend:
- Carrying bag, model no. 13931001

For work with laser scanners:
- NESTLE scan sphere, model no. 14200000

NESTLE wooden tripod, PVC-coated

13700000, 13701000

NESTLE

Wooden tripod with Eccentric quick-clamping system

- Wooden tripods show excellent damping qualities. In comparison to aluminium-made tripods shocks and vibrations on the jobsite get much better absorbed. This enhances measurement accuracy.
- Exposed to bright sunlight wood proves to have much less expansion than metal-made items. This also adds to the quality and reliability of any survey work -no matter what weather conditions you have to cope with.
- Especially when working with high-precision instruments - like total stations or theodolites - using a quality wooden tripod is absolutely recommended.
- The clamping unit of the PVC-coated tripods is positioned directly over the middle segment, and all connections of wood and plastics became additionally sealed with silicone. Thus, the clamping system does not affect the PVC-coating and the tripod stays ready for use over a long period of time.
- Only high-quality wood is used in the manufacturing process.
- The rugged clamping levers are made of polymer-fibreglass composite. All metal parts are made of solid aluminium diecast.

13700000 13701000

Application benefits

- The PVC coating and silicone sealing protect the tripod from humidity for years of toughest use.
- Ideal for precision theodolites, levels and total stations - even in permanent humid areas.

13700000 13701000

Specifications	Wooden tripod, PVC-coated
Head	Flat, metal
Working range, 1m distance of tips	90 – 170cm
Transport length	108cm
Clamping	Eccentric
Weight	5,500g
Thread connection	5/8"

Accessories

The PVC-coated wooden tripod is available in two versions:

- Basic version with standard head plate, model no. 13700000.
- With circular head, 168mm, model no. 13701000.
- On request NESTLE wooden tripods could be equipped with carrying strap.

NESTLE wooden tripod, heavy duty

13702000, 13703000, 13704000, ...

NESTLE

Wooden tripod for high-precision total stations and lasers

- The tripod is made of lacquered, high-quality wood.
- A special processing with oil protects the wood from humidity and water.
- Wooden tripods show excellent damping qualities. In comparison to aluminium-made tripods shocks and vibrations on the jobsite get much better absorbed. This enhances measurement accuracy.
- Exposed to bright sunlight wood proves to have much less expansion than metal-made items. This also adds to the quality and reliability of any survey work -no matter what weather conditions you have to cope with.
- Especially when working with high-precision instruments - like total stations or theodolites -using a quality wooden tripod is absolutely recommended.
- The handling is as simple and convenient as it is with aluminium tripods. The legs extend without jamming which prevents the tripod from wear. Nonetheless - the clamping system works absolutely reliable.

Application benefits

- Using a NESTLE wooden tripod is ideal for high-class levels, lasers, theodolites and robotic total stations.
- The special wood processing prevents water diffusion - the tripod stays ready for use over many years.

Specifications	Wood tripod, heavy
Head	Flat, metal
Working range, 1m distance of tips	90 – 170cm
Transport length	107cm
Clamping	Clamp screw
Weight	6,200g
Thread connection	5/8"
Version with circular head	–
Working range, 1m distance of tips	90 – 170cm

Accessories

The heavy wooden tripod is available in four versions:

- Basic version, model no. 13702000.
- Basic version, self-locking, model no. 13704000.
- With circular head plate, 168mm, model no. 13703000.
- With circular head plate, 168mm, self-locking, model no. 13705000.
- Available on request: Carrying strap for wooden tripods, model no. 13920000.
- Head protect cover available for models 13702000 and 13704000: model no. 13919000.
- Head protect cover available for models 13703000 and 13705000: model no. 13927000.

NESTLE wooden tripod, Max-I

13708000

NESTLE

Wooden tripod for high-precision total stations and lasers

- The tripod is made of lacquered, high-quality wood.
- A special processing with oil protects the wood from humidity and water.
- Wooden tripods show excellent damping qualities. In comparison to aluminium-made tripods shocks and vibrations on the jobsite get much better absorbed. This enhances measurement accuracy.
- Exposed to bright sunlight wood proves to have much less expansion than metal-made items. This also adds to the quality and reliability of any survey work -no matter what weather conditions you have to cope with.
- Especially when working with high-precision instruments – like total stations or theodolites -using a quality wooden tripod is absolutely recommended.

Application benefits

- Using a NESTLE wooden tripod is ideal for high-class levels, lasers, theodolites and robotic total stations.
- The special wood processing prevents water diffusion – the tripod stays ready for use over many years.

Specifications	NESTLE wooden tripod, Max-I
Head	Flat, metal
Working range, 1m distance of tips	132 to 220cm
Transport length	139cm
Clamping	Double (below: screw, top: eccentric)
Weight	9,020g
Thread connection	5/8"

Accessories

Optionally, we recommend:

NESTLE tripod warning kilt, model no. 13935000.
Increase the visibility of your instrument through the NESTLE tripod warning kilt. The reflective strips also increase the visibility and thus the safety when light is incident. Ideal for application in tunnel construction or at stand points with poor light conditions.

NESTLE wooden tripods

13709000, 13710000

NESTLE

Heavy duty version Min-I and Mid-I

- The wooden tripod Min-I and Mid-I correspond in their specification to the wooden tripod in heavy construction, but with different transport dimensions, working area and associated with a lighter weight.
- With its transport length of 97cm, the wooden tripod Mid-I 13710000 is especially suitable for transport in normal cars, as it can be stored and transported in almost every car trunk.
- The wooden tripod Min-I 13709000 for special applications with lowest installation and working heights in scanning or tachymeter surveying (for example, viewpoints on stairs, industrial plants ...)

13710000

13709000

Application benefits

- Low transport dimensions
- Self-locking
- Small, lightweight and robust for maximum precision

Specifications	Wooden tripods, heavy
Best application	Rotary laser, Tachymeter, Laser scanner
Head-Ø	143mm
Head plate	flat, triangular
Self-locking	Yes
Clamp screw	Yes
Thread connection	5/8"
	Min-I 13709000 / Mid-I 13710000
Working range	47 to 59cm / 89 to 145cm
Transport lenght	52cm / 97cm
Weight	4,000g / 6,100g

Feature

- Head cover

Tripod accessories

13900000, 13929000, 13914000, 13913000, 13916000

NESTLE

Accessories for NESTLE tripods

- **Tripod dolly for interior and exterior use.** The tripod is fixed on the dolly by clamping bands. The wheels can simply be locked or unlocked mechanically. The dolly offers a mobile solution for quick repositioning without having to set up the tripod again and again. The dolly can be folded for convenient and space-saving transport.
- **Tripod stand:** especially for smooth surfaces. Simply unfold the stand and set the tripod legs into the appropriate holes. Model no. 13912000 with 70cm leg without rubber spring, model no. 13929000 with 50cm leg and with rubber spring.
- **Extension 66cm:** For all elevating tripods. The extension can be „parked" in the tripod`s crank tube.
- **Rubber cover set with rivets for tripods.** For safe positioning on smooth ground and for protecting damageable surfaces.
- **Carrying bag for tripods**, model no. 13916000 with transport size up to 130cm. Made of solid cloth.
- **Carrying bag with zipper and lanyard**, model no. 13931001 for tripods with transport size up to 110cm, made of synthetic with reinforced foot and headboard.

Application benefits

Increase your flexibility at work with our tripod accessories for interior and exterior use.

Specifications	Tripod accessories
Tripod dolly	Model no. 13900000
Weight	8,000g
Tripod stand	
Weight / Length each leg	Model no. 13929000; 500g / 50cm
	Model no. 13912000; 800g / 70cm
Extension 66cm	Model no. 13914000
Weight	500g
Rubber cover set incl. rivets	Model no. 13913000
Carrying bag for tripods 130cm	Model no. 13916000
Carrying bag for tripods 110cm	Model no. 13931001

NEW with rubber spring

Accessories

For all NESTLE tripods.

Camera tripod / Column stand

13911000, 21126000

NESTLE

Photographer`s tripod with 1/4 inch connection

- Ideal for working with Disto laser-distance meters and PLS line lasers with 1/4" thread connection..
- A line laser can easily be positioned on the required height using the crank system.
- The accuracy of measurements with laser-distance meters becomes increased when fixing the Disto on a tripod - no shaking when measurements are triggered.
- The head can be turned and inclined.
- Quick-lock head plate for easy mounting devices.
- Circular bubble for perpendicular positioning.
- Carrying handle positioned at the central column.

Application benefits

- Easy and space-saving transport.
- Easy handling.
- Increased precision when used with distance meters.

Specifications	Camera tripod / Column stand
Camera Tripod	Model no. 13911000
Range	60 – 160cm
Transport length	65cm
Clamping	Quick clamping system
Weight	1,370g
Thread connection	1/4"
Column stand	Model no. 21126000
Length	145cm – 290cm
Thread connection	1/4" / 5/8"
Weight	2,600g

Column stand

- Automatic stretcher for quick and continuous fixing.
- Safe stand even in inclined position due to rubber-covered endplates.
- Working range 1.45m to 2.90m.
- Carrying capacity 45kg.
- Inclination up to 25° with ball joints.
- GS-certified.
- A mount included in the scope of delivery allows for fixing small laser devices with 1/4" or 5/8" connection.

Products | Angle gauges + spirit levels

Digital angle gauges

page 36

Digital angle gauges

page 37

Digital spirit level

page 38

NESTLE DIGIT - angle gauge

17004001 + 17005001

NESTLE

Electronic angle gauges with digital display

- The angle measure are used especially for interior construction work and they are suitable for aligning any sort of built-in units, staircases, floor and wall tiling as well as roof constructions.
- Display angles of ±0-180° with an accuracy of ±0.2°.
- Big digits in the LCD-display are very easy to read, even from a distance.
- In bad lightning conditions you can switch light on.
- Because of the horizontal and vertical bubble, you can use the angle measurer also as a lever or slope level.
- You can use the „reset" function in every position to set the value to zero. Now you can measure the complementary angle in one measurement.

Only a solid instrument can guarantee an enduring accuracy:

- Measuring leg made of aluminium in a high-precision CNC production.
- The powder coating makes the angle gauge weather-resistant.
- Display and bubble levels are protected behind plexiglass.
- The measuring module is located inside the housing and can not be touched from the outside.

Application benefits

- Operating time around 1.5 years.
- Display definition 0.05° with an innovating sensor system which guarantees accurate measurements.
- Press the „Hold" function to freeze the values - especially if you cannot see the display in your working positions.
- Automatically switch off after 5 minutes and value saving.
- If you switch off the DIGI, the values are saved and they appear if you switch on again.
- Start with the „Reset" function in every position new measurements without addition or subtraction.

Specifications	DIGIT - angle gauge
Display definition	0.05°
Accuracy	±0.2°
Measuring range	±0° - 180°
auto. switch off	after 5min.
Operating temperature	-5°C to 35°C
Battery	2 x AAA
Model no. 17004001	Weight 460g
	Length 348mm
Model no. 17005001	Weight 650g
	Length 500mm

Accessories

Available for the DIGIT:

- Bag, model no. 17900000 for 17004001
- Bag, model no. 17901000 for 17005001

NESTLE DIGIT - angle gauge

17003000

NESTLE

Electronic angle gauges with digital display

- These NESTLE digital angle gauges will make your daily work much easier.
- The DIGIT measures and displays angles of 0-199.9° respectively. Minimum reading 0.1°.
- Accuracy 0.15°
- Big digits in the LCD-display are very easy to read, even from a distance.
- Because of the horizontal and vertical bubble, you can use the angle measurer also as a level or slope level.
- Imprinted cm-scale for length measurement and marking.

Only a solid instrument can guarantee an enduring accuracy:

- Measuring leg made of aluminium in a high-precision CNC production.
- The powder coating makes the angle gauge weather-resistant.
- Display and bubble levels are protected behind plexiglass.
- The measuring module is located inside the housing and can not be touched from the outside.
- The DIGITs are available at four lengths.
- Low power demand for long battery life.
- Delivery including 9V - battery.
- Low-bat signal to avoid downtime.

Application benefits

The angle measures are used especially for interior construction work and they are suitable for aligning any sort of built-in units, staircases, floor and wall tiling as well as roof constructions.

Specifications	DIGIT - angle gauge
Accuracy	0,15°
Measuring range	0°-199.9°
Battery	9V block
Length	1,067mm
Weight	1,700g

Accessories

See also NESTLE spirit levels on next page.

NESTLE DIWA - digital spirit level

17100001, 17101001

Spirit level with digital reading

- Big digits in the LCD-display are very easy to read, even from a distance.
- Accuracy 0.1% at 90° and 0.2% for other angles.
- HOLD-function. Often, measurements have do be done in places, where it is difficult to read the display. Just apply the level, press the
- HOLD-button, then read the result in convenient position.
- Button for acoustic signal at 0°. This function allows for checking level when the display can´t be seen.
- The solid construction guarantees for precise measurements.
- The level is made of rugged aluminium.
- The levels are available at 60cm and 100cm length.
- Adjustable.
- Display showing degrees or percent.

Application benefits

Layout of grades for:

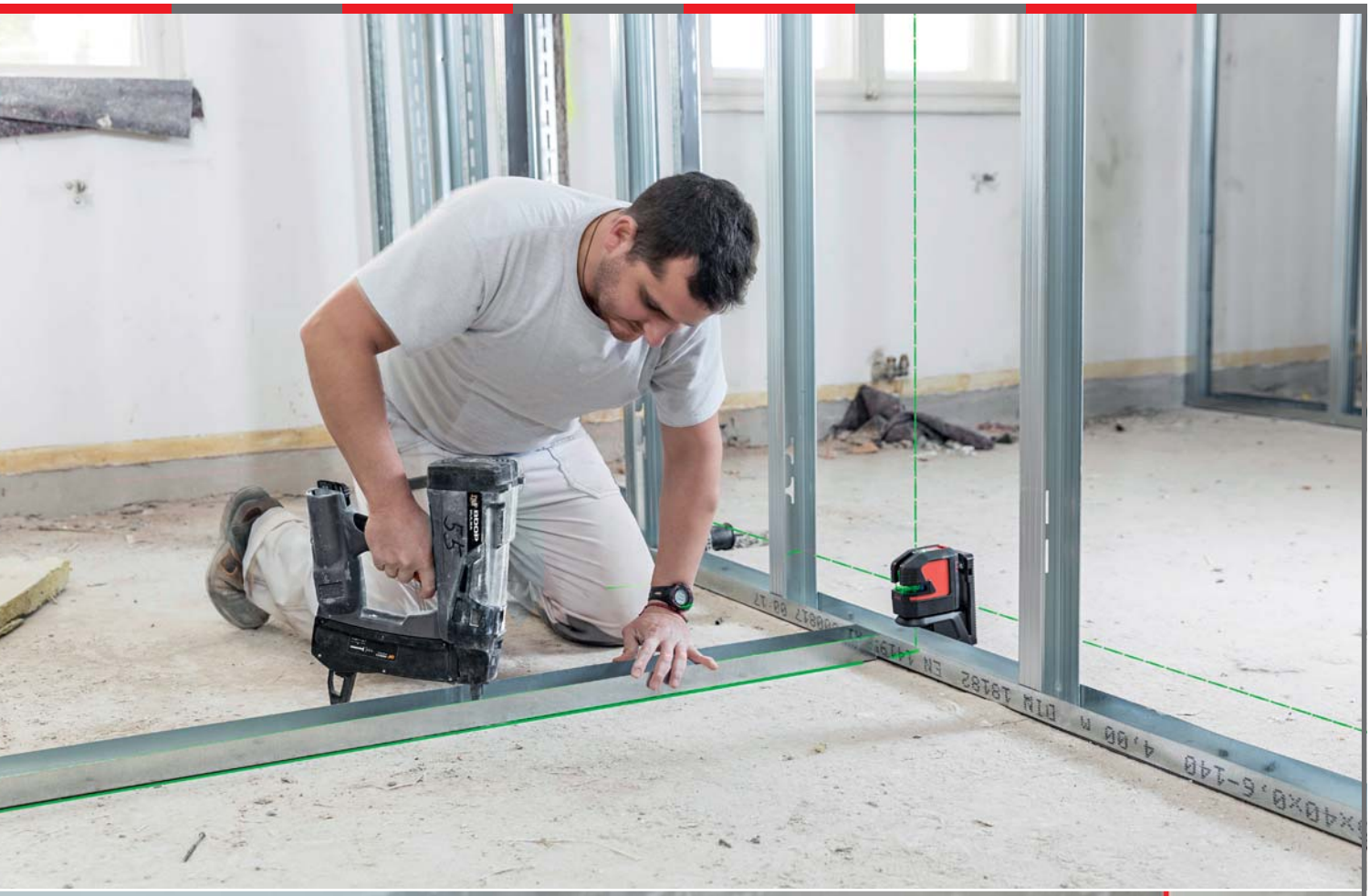
- Stairways
- Windows
- Doors
- Roofs

Specifications	Digital spirit level
Model no. 17100001	Length: 60cm
_	Weight: 1,000g
Model no. 17101001	Length: 100cm
_	Weight: 1,200g
Both models:	
Measuring range	0-180°
Reading	0,1° / 0,1%
Functions	HOLD-function, acoustic signal at 0°
Accuracy	At 0° and 90°: 0.1%
_	Other angles 0.2%
Power supply	Battery 9V block

Accessories

For angle measurements we offer digital and analogue gauges.

Products | Point and line lasers



Products | Point and line lasers

NESTLE Octoliner

Multiline laser with 360° horizontal line

page 41

NESTLE Octoliner G

Multiline laser with 360° horizontal line

page 42

NESTLE NCL-2

Line laser for indoor workingr

page 43

Leica LINO L2 and L2G

Cross line laser

page 44

Leica LINO L2P5 and L2P5G

Cross line and point laser

page 45

Leica LINO L4P1

Multi line laser

page 46

Leica LINO P5

5 point laser

page 47

NESTLE tripod adaptors

page 48

NESTLE wall mounts

page 48

NESTLE Octoliner

16100001

Multiline laser with 360° horizontal line

- Ideal for any kind of alignment.
- For renovation works, glaziers, frame and drywall-workers, electricians, building contractors.
- The NESTLE Octoliner emits a 360°- horizontal line.
- Additional vertical lines cross each other at a 90°- angle for upper plumb spot.
- Also, a bottom plump beam is emitted.
- The Octoliner features motorized self- levelling at a range of 4°.
- The 5/8"- thread connection allows for fixing the laser on a tripod.
- The Octoliner is also suitable for working with a receiver.
- Tangent screws for exact alignment of the vertical beams.
- The Octoliner features a manual mode for beam inclination.
- Adjustable foot screws for balancing the instrument on uneven surfaces beyond self-levelling range.
- Scope of delivery contains laser glasses, a target plate, accu with charger and a carrying case.
- Illuminated bubble for quick and easy pre-alignment.

Application benefits

- Manual tilt in one axis: ±5% electronically and additionally ±8% mechanically by the feet
- Easy handling.
- The motorized self levelling prevents the laser line from jittering in comparison to pendulum line lasers.
- Unique versatility due to the combination of the 360° line and the vertical beams.

Specifications	Octoliner
Laser	635nm, Class 2
Accuracy	± 1.5mm at 10m
Range	ca. 50m with receiver
Self-levelling	4°
Optical angle	360° horizontal / 4 x vertical
Power supply	Accumulator
Dimensions	Ø 15cm x 22cm
Weight	1,520g
Thread	5/8"
Protection class	P54

Accessories

- For outdoor working we recommend the receiver DECTO incl. holder, model no. 16814000.
- The Octoliner ist available in a set with receiver DECTO model no. 16101001.
- For working with the Octoliner we recommend our telescopic tripod, model no. 13001000.

NESTLE OCTOLINER G

16114001

NESTLE

With green laserbeam

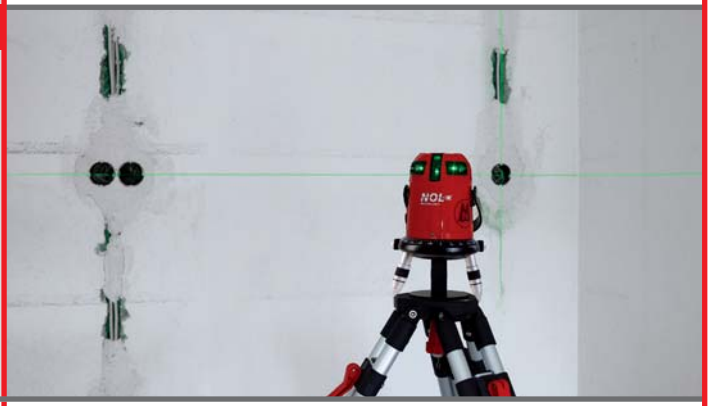
- The human eye recognizes green light significantly better than red light. Due to the green laser beam of all laser lines the Octoliner-G impresses with a better visibility of the projected lines.

- The Octoliner-G corresponds in its application properties to the Nestle Octoliner:
- 360 ° horizontal line
- 4 switchable vertical lines and plump point
- Motorized self-levelling (can be switched off)
- 5/8 "connection, tangent screws, adjustable leg screws

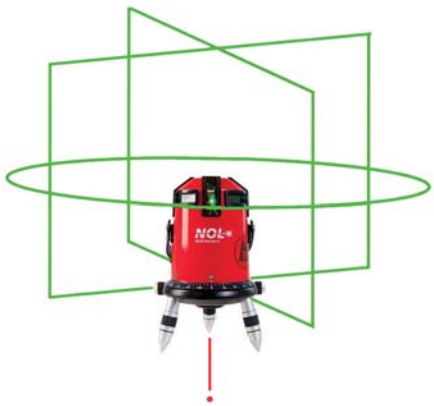
- Thanks to the green laser lines, the Octoliner-G is especially suitable for drywall construction, glaziers, electricians, heating and ventilation engineers, for aligning building elements such as walls, pipes and for transferring floor and ceiling points.
- The Octoliner-G is also suitable for use with a receiver (Decto-G model no. 16829000).

Application benefits

- All lines with green laser beam, plump point red laser beam.
- Working temperature - 10° C to + 40° C.
- Motorized self-levelling.



Specifications	Octoliner G
Laser (Lines)	Green, class 2
Plump (Point)	Red, class 2
Tolerance	± 1.5mm at 10m
Working range	40m
Self-levelling	± 4°
Optical angle	360° horizontal / 4 x vertical
Power supply	Li-Ion or 4 x AA
Dimension	Ø 15cm x 22cm
Weight	1,500g
Thread	5/8"
Protection class	IP45



Accessories

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

- For work with the Octoliner-G we recommend our light telescopic tripod model no. 13001000.
- Decto-G Receiver model no. 16829000

NESTLE Line laser NCL-2

16102001

NESTLE

Line laser for interior work

- Set up and start work! The NESTLE NCL-2 has an integrated pendulum compensator which does the fine adjust by itself.
- An exceptionally visible laser line. You could use a receiver for longer distances – switch into the pulse mode.
- No operating errors – clearly arranged control panel.
- It is possible to fix the horizontal and vertical laser lines to operate in every position.
- Low-bat indicator starts blinking when battery voltage under < 3 Volt.
- The NESTLE NCL-2 is a small sized instrument for nearly every indoor work.
- The laser has a 1/4" threat to mount a tripod. This makes the laser more flexible in its application.
- An acoustical alarm signal sounds out, if the laser cannot do the fine adjusting.
- Horizontal and vertical laser line – angle of reflected beam 120°.

Application benefits

- The NESTLE NCL-2 is protected by a solid casing with rubber coating for more safety at construction.
- Solid construction of the NCL-2 is ideal for the rugged daily use.
- Simple handling to be fast and precision.

Specifications	NESTLE NCL-2
Tolerance horizontal line	± 3mm to 10m
Tolerance vertical line	± 2.5mm to 10m
Self-levelling zone	4° ± 0.5°
Operating area / with receiver	20m / 50m with receiver
Operating time	<8 hours
Laser	635nm visible, class 2
Storage temperature	-20°C to +60°C
Dimensions	119 x 62 x 95mm
Weight	480g
Protection class	IP45

Accessories

Delivery includes:

- NESTLE NCL-2, 3 x AA batteries and bag.

Optional available by NESTLE:

- Magnet Support, model no. 21133000.
- Receiver Decto, model no. 16814000.

Leica LINO L2 and LINO L2G

16724000, 16725000

NESTLE

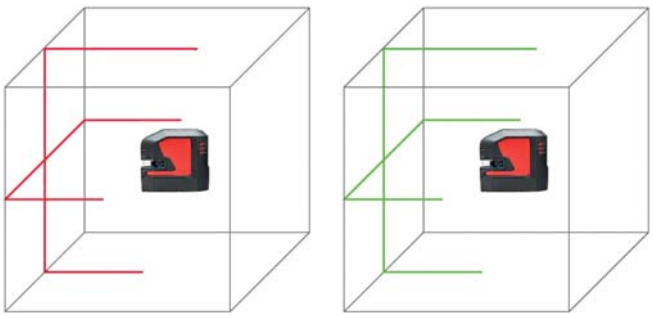
Cross line Laser for interior work

- The LINO L2 projects exact lines for easy and fast interior work.
- So you always have your hands free for work.
- In interior work, green light is often perceived more easily by the human eye. The LINO L2 projects red laser beams, LINO L2G projects green laser beams both in laser class 2.
- Whether horizontal, vertical or crossed - the lines are perfectly visible on the wall everywhere.
- Minor inaccuracies when setting up to ±4°are compensated automatically.
- With the optional receiver Lino RGR200, a range of up to 80 meters is possible.
- With triple power supply concept: use the included Li-Ion battery, the included power adapter or alkaline batteries.

Application benefits

- Very precise laser lines
- Self-levelling range ±4°
- Exact 90° angle
- Red laser beam (L2) or green laser beam (L2G)

Specifications	Leica LINO L2 / LINO L2G
Laser class	2
Laser colour	L2 =red, L2G = green
Laser lines	Vertical + horizontal
Range	L2 up to 25m / L2G up to 30m
Range with receiver	Up to 80m
Accuracy	±1.5mm to 5m
Self-levelling range	±4°
Power	Li-Ion, or 3 x AA
Dimension	110 x 60 x 100mm
Weight	530g
Tripod thread	1/4'' (5/8")
Protection class	IP54



Scope of delivery

16724000 Leica LINO L2, adapter Twist 250, Li-Ion battery, charger, alkaline battery tray, target plate, hard case, safety instructions, quick start with QR code linking to online manual.

16725000 Leica LINO L2G, adapter Twist 250, Li-Ion battery, charger, alkaline battery tray, target plate, hard case, safety instructions, quick start with QR code linking to online manual.

Leica LINO L2P5 and LINO L2P5G

16727000, 16728000

NESTLE

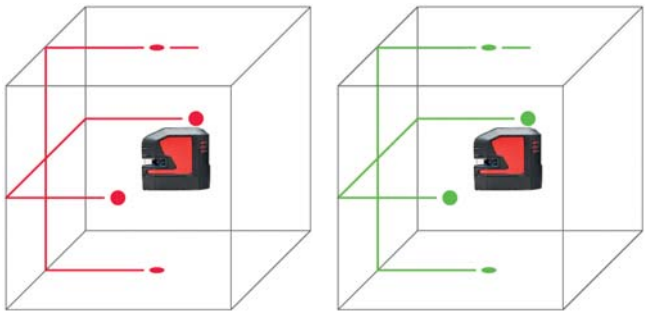
Cross line and point Laser

- The LINO L2P5 combines line and point laser in one instrument.
- So you always have the right instrument for all your tasks.
- The proven Leica optics and the large outlet openings ensure extra long projections.
- In interior work, green light is often perceived more easily by the human eye. The LINO L2 projects red laser beams, LINO L2G projects green laser beams both in laser class 2.
- Minor inaccuracies when setting up to ± 4 ° are compensated automatically.
- With the optional receiver Lino RGR200, a range of up to 80 meters is possible.
- With triple power supply concept: use the included Li-Ion battery, the included power adapter or alkaline batteries.

Application benefits

- Extra long good visible laser lines.
- 5 precisely perpendicular laser points for soldering and sighting.
- Self-levelling range ± 4 °.
- Red laser beam (L2P5) or green laser beam (L2P5G).
- Works with optional receiver up to 80 meters.

Specifications	Leica LINO L2P5 / LINO L2P5G
Laser class	2
Laser colour	L2P5 = red / L2P5G = green
Laser lines	Vertical + horizontal
Laser points	Up, down, forward, right, left
Range	L2P5 up to 25m / L2P5G up to 35m
Range with receiver	Up to 80m
Accuracy	Points ± 0.2mm/m, lines ± 0.3mm/m
Self-levelling range	± 4°
Power	Li-Ion, or 3 x AA
Dimension	110 x 60 x 100mm
Weight	530g
Tripod thread	1/4'' (5/8")
Protection class	IP54



Scope of delivery

16727000 Leica LINO L2P5, adapter Twist 360, Li-Ion battery, charger, alkaline battery tray, target plate, hard case, safety instructions, quick start with QR code linking to online manual.

16728000 Leica LINO L2P5G, adapter Twist 360, Li-Ion battery, charger, alkaline battery tray, target plate, hard case, safety instructions, quick start with QR code linking to online manual.

Leica LINO L4P1

16719000

NESTLE

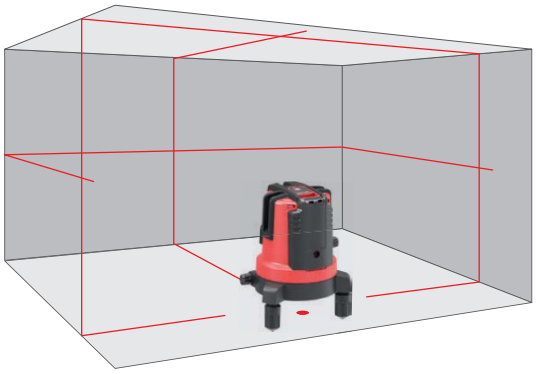
Multi line laser

- Powerful & versatile: Leica LINO L4P1 for all interior applications.
- 180° vertical and horizontal line & 5 layout points.
- The L4P1 can be rotated 360° over a selected point. The precise fine adjustment supports quick targeting of the vertical laser lines for high-speed layouts of whole rooms.
- Innovative Li-Ion power: Rechargeable Li-Ion is cost saving - no need to constantly exchange alkaline batteries.
- "Always ready to work" ... even if you forget to charge the LI-Ion batteries - you can easily exchange to standard alkaline batteries.

Application benefits

- Easy levelling and aligning.
- Simple 90° layout with bright laser lines.
- Quick plumbing - easy point transfer from floor to ceilin.
- Smart Power: Li-Ion exchangeable with Alkaline.

Specifications	Leica LINO L4P1
Protection class / laser class / type	IP54, cl. 2, 635nm
Range	up to 15m / ca. 80m with detector
Dimension / weight	H 181mm, Ø 147mm / 1,173g
Self-levelling range	± 3°
Levelling accuracy	1.0 mm to 5m
Laser lines / laser points	4 / 1
Operating- / storage-temperature	-10°C to 50°C / -25°C to 70°C
Battery life Li-Ion batteries	24h
Battery type	Li-Ion batteries rechargeable (and Alkaline batteries 4 x AA, 1,5V)
Beam direction	180° vertical / 180° horizontal
Tripod thread	1/4", 5/8"



Scope of delivery

- Leica LINO L4P1
- Red target plate
- Battery and battery compartment
- Battery charger with 4 adapters
- Carrying case

Leica LINO P5

16726000

NESTLE

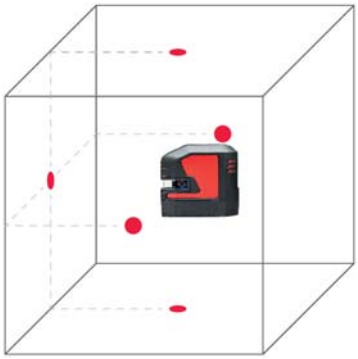
5 point laser for interior work

- For vertical up and down, right-angled staking, alignment and for simple height transfers in the interior.
- Five laser points which are arranged at right angles to each other: upwards, downwards, forwards, to the right and to the left.
- Easy operation with just one button.
- Minor inaccuracies when setting up to ± 4° are compensated automatically.

Application benefits

- One-button operation
- Self-levelling range ± 4°
- Robust and ergonomic design

Specifications	Leica LINO P5
Laser class	2
Laser colour	Red
Laser points	Up, down, forward, right, left
Range	Up to 30m
Accuracy	± 1.0mm to 5m
Self-levelling range	± 4°
Power	3 x AA
Dimension	110 x 60 x 100mm
Weight	495 g
Tripod thread	1/4" (5/8")
Protection class	IP54



Scope of delivery

16726000 Leica LINO P5 point laser, adapter Twist 360, batteries, target plate, hard case, safety instructions, quick start with QR code linking to online manual.

NESTLE tripod adaptors + wall mounts

13902000, 21135000, ...

NESTLE

Tripod adaptors for line lasers

- **Wall mount 21135000**: professional wall mount with vertical adjustment screw. To fix rotating lasers or line lasers with 5/8" connection on a wall.
- **Wall mount 21136000**: with 5/8" and 1/4" connection screw. To fix rotating lasers or line lasers with 5/8" or 1/4" connection on a wall.
- **Horizontal adaptation 13922000**: With the 5/8" thread the horizontal arm can be attached to any surveying tripods.
- **Adaptor 13902000**: from 5/8" to 5/8". The adapter enable the connection to a standard tripod for line laser with 5/8" connection - like Octoliner. The adaptor is placed on the tripod plate and connected to the central fixing screw. The long spigot provides perfect working space.
- **Adaptor 13923000**: from 5/8" to 1/4". The adaptor enables the connection to a standard tripod for line laser with 1/4" connection. The round base plate is ideal for tripods with big head plate opening.

21135000

21136000

13922000

Application benefits

- Robust wall bracket for attaching rotation and line lasers on the wall or ceiling profiles.
- Ideal for interior work.

Specifications	tripod adaptor + wall mount
Tripod adaptor	13902000 / 13923000
	5/8" to 5/8"; 5/8" to 1/4"
Weight	130g / 100g
Plate	Ø 90mm / Ø 80mm x 30mm
Spigot length	65mm
Wall mount	21135000 / 21136000
for Instruments to	max. Ø 21cm
Weight	1,200g / 330g
Horizontal adaption	13922000
Dim / Weight	296 x 60 x 15mm / 660g

13902000

13923000

Accessories

Other sizes on request.

See our range of line and rotation lasers for indoor and outdoor use.
At NESTLE you find the right instrument for all applications.

Products | Rotation laser

Products | Rotation laser

NESTLE Pulsar H
Horizontal laser
page 51

NESTLE Pulsar HV-R / HV-G
Multifunction laser
page 52

NESTLE Pulsar 2S
Multifunction laser
page 53

GEOMAX
ZEL 400 HV
page 54

GEOMAX
Zone20 H
page 55

GEOMAX
Zone20 HV
page 56

GEOMAX
Zone40 H
page 57

GEOMAX
Zone60 HG/DG
page 58/59

GEOMAX
Zone70 DG
page 60

NESTLE PULSAR H

16000001

NESTLE

Automatic laser for horizontal applications

- Clear function program for simple application.
- In case of interruption at the tripod, the construction laser switches off his rotation automatically. If you are working in the TILT mode, the laser stops and doesn´t level out himself. False measurements are impossible.
- Heavy-walled, massive aluminium casing for toughest use at constructions.
- High quality standard used by NESTLE in converting.
- The assembled laser diode of PULSAR H has a well visible laser beam, which increases the visibility of indoor working.
- A total coverage of 600m.
- Power-supply on front display of the laser for most comfortable using and environment protection by saving batteries.

Optional:
Battery case including 4 alkaline batteries, model no. 22201000, so you can operate your Pulsar rotating laser with standard batteries. The battery case has no charge socket to prevent accidental charging of alkaline batteries.

Application benefits

- Install, turn on and start working.
- Complete package with a laser receiver and target plate.
- The laser is qualified for digging and base grade, levelling of form work and basements, landscape and roadworks, height control in construction areas.

Specifications	PULSAR H
Accuracy	±1mm on 10m
Self-levelling zone	± 5°
Range with receiver	Ø 600m
Laser diode / beam	635nm, class 2 / red
Operating time	20 h
Rotation	600 r.p.m.
Operating temperature	-20°C to +50°C
Weight	3,800g
Dimensions	202 x 202 x 194mm
Protection class	IP56

Scope of delivery

- PULSAR H with case and technical manual.
- Laser receiver PDR60 (Made in Germany) with holder.
- Charger.
- Target plate.
- Laser glasses.

NESTLE PULSAR HV-R / HV-G

16001001, 16002001

Multifunctional laser with red or green beam

- Clear function program with simple application.
- Heavy-walled, massive aluminium casing protects the laser by toughest use at construction.
- High quality standard used by NESTLE in converting.
- Power-supply on front display of the laser for most comfortable using and environment protection by saving batteries.
- The assembled laser diode has a well visible laser beam, which increases the visibility for indoor working.
- The human eye can better realise the green laser beam as the red one, especially indoor.
- Total range of 500m.

Optional:
Battery case including 4 alkaline batteries, model no. 22201000, so you can operate your Pulsar rotating laser with standard batteries. The battery case has no charge socket to prevent accidental charging of alkaline batteries.

Application benefits

- Automatic horizontal and vertical roatating laser: Install, turn on and start working.
- Complete package with laser receiver and remote control.
- Three modes: rotation (four speeds), scanning mode (for locating working ranges), point mode, with plump beam up and down.
- The PULSAR HV-R / -G can be inclined in two axes manually up to ± 5°.

Specifications	PULSAR HV-R / -G
Accuracy	± 1mm on 10m
Self-levelling zone	± 5°
Range with receiver	Ø 500m
Laser diode / beam	635nm, cl. 2 / red or 535nm, cl. 3R / green
Operating time	20h
Rotation velocities	0; 60; 120; 300; 600 r.p.m.
Operating temperature	-20°C to +50°C (HV-R) ; 0°C to +40°C (HV-G)
Weight / Dimensions	3,800g / 202 x 202 x 194mm
Protection class	IP56
Range with remote	20m

Scope of delivery

- PULSAR HV-R (model no. 16001001) or PULSAR HV-G (model no. 16002001) with case and technical manual.
- Laser receiver with holder.
- Target plate and wall bracket
- Charger.
- Remote control.
- Laser glasses.

NESTLE PULSAR 2S

16003001

NESTLE

Automatic horizontal and vertical rotating laser

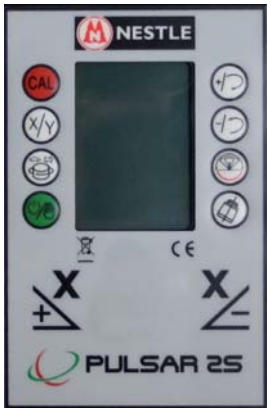
- Clear function program with display for simple application.
- High quality standard used by NESTLE in converting.
- Heavy-walled, massive aluminium casing for toughest use at construction.
- The assembled laser diode has a well visible laser beam, which increases the visibility for indoor working.
- Power-supply on front display of the laser for most comfortable using and environment protection by saving batteries.

Optional:
Battery case including 4 alkaline batteries, model no. 22201000, so you can operate your Pulsar rotating laser with standard batteries. The battery case has no charge socket to prevent accidental charging of alkaline batteries.

Application benefits

- The PULSAR 2S disposes of a digital inclination in two axes up to ±8%.
- Three modes: rotation (four speeds), scanning mode (for locating working ranges), point mode, with plump beam up and down.
- The laser is qualified for one and two-sided slope construction, digging and base grade, levelling of form work and basements, suspended ceilings, cutting check and vertical plump, height control in construction area.

Specifications	PULSAR 2S
Accuracy	±1mm on 10m
Self-levelling zone	± 5°
Range with receiver	Ø 500m
Laser diode / beam	635nm, cl. 2 / red
Operating time	20h
Rotation velocities	0; 60; 120; 300; 600 r.p.m.
Operating temperature	-20°C to +50°C
Weight / Dimensions	3,800g / 202 x 202 x 194mm
Protection class	IP56
Range with remote	20m



Scope of delivery

- PULSAR 2S with case and technical manual.
- Laser receiver PDR60 (Made in Germany) with holder.
- Charger.
- Target plate and wall bracket.
- Laser glasses.
- Remote control.

GEOMAX rotating laser ZEL400HV

27102000

NESTLE

Fully automatic horizontal and vertical laser

- The ZEL400HV is an automatic visible laser that can be used for levelling, vertical alignment, plumbing and squaring.
- Applications include installing suspended ceilings, technical flooring, partitions and a variety of outdoor alignment work.
- Best application: interior.

Application benefits

- Automatic self-levelling in both horizontal and vertical modes
- Choice of beams: rotating plane, scanning, chalk line, single point or constant squaring.
- Square shot that's left/right adjustable.
- ZDR300 detector with integrated remote control up to 30m.

Specifications	ZEL400HV
Tolerance	± 1mm at 10m
Working range with receiver	Ø 300m
Laser diode	635nm visible (red), class 2
Self-levelling range	± 10°
Power supply	2 alkaline D-cell (D), NiMh rechargeable
Operating time	50 hours
Dimensions	150 x 160 x 170mm
Weight	1,300g
Protection class	IP65
Tilt warning	Yes

Scope of delivery

- GeoMax ZEL400HV
- ZDR 300 receiver with included remote control and holder
- Battery and charger
- Target plate
- Laser glasses
- Case

GEOMAX rotating lasers Zone 20H

27103000, ...4000, ...5000

NESTLE

Fully auto. horizontal laser with manual grade functionality

- The rotating lasers of GeoMax Zone series are robust (IP67), versatile (900 meters workspace) and offer exceptional value for money.
- The Zone 20H horizontal laser with self-levelling and manual slope in two axes ideal for concrete and form work.
- Best application: outdoor area.

Application benefits

- Automatic self-levelling.
- Easy to use and highly reliable.
- With manual grade functionality.
- Laser class 1.

Specifications	Zone 20H
Tolerance	± 0.75mm at 10m
Working range with receiver	Ø 900m
Laser diode	635nm visible (red), class 1
Self-levelling range	± 6°
Manual inclination range	8%
Temperature range	-10°C to +50°C
Power supply	4 alkaline D-cell (D), Lithium Ion (Li-Ion Pack) rechargeable
Operating time	> 40 hours
Dimensions	240 x 215 x 215mm
Weight	3,060g
Protection class	IP67
Tilt warning	Yes

Scope of delivery

GeoMax Zone 20H laser rotator, Carrying case, Receiver, Li-Ion battery, Li-Ion charger, User manual on CD, Quick start guide, Safety instructions.

- Model no. 27103000 with receiver ZRB90
- Model no. 27104000 with receiver ZRP105 (picture)
- Model no. 27105000 with receiver ZRD105

GEOMAX rotating lasers Zone 20HV

27106000, ...7000, ...8000

NESTLE

Fully auto. horizontal and vertical laser

- The rotating lasers of GeoMax Zone series are robust (IP67), versatile (900 meters workspace) and offer exceptional value for money.
- The Zone 20HV expands the Zone 20H to the possible use as a vertical laser and 90° laser spot.
- As a result of Zone 20HV becomes a multifunction laser for a variety of applications on all construction sites.
- Best application: Multi-purpose tool for exterior and interior.

Application benefits

- Multipurpose laser, interior and exterior applications.
- Fully automatic.
- Easy-to-use and dependable in any element.
- Ideal for concrete and form work and levelling, aligning, plumbing or squaring.

Specifications	Zone 20HV
Tolerance	± 0.75mm at 10m
Working range with receiver	Ø 900m
Laser diode	635nm visible (red), class 2
Self-levelling range	± 6°
Manual inclination range	8%
Temperature range	-10°C to +50°C
Power supply	4 alkaline D-cell (D), Lithium Ion (Li-Ion Pack) rechargeable
Operating time	> 40 hours
Dimensions	240 x 215 x 215mm
Weight	3,150g
Protection class	IP67
Tilt warning	Yes

Scope of delivery

GeoMax Zone 20HV laser rotator, Carrying case, Receiver, Li-Ion battery, Li-Ion charger, User manual on CD, Quick start guide, Safety instructions, Remote control ZRC20.

- Model no. 27106000 with receiver ZRB90
- Model no. 27107000 with receiver ZRP105 (picture)
- Model no. 27108000 with receiver ZRD105

GEOMAX rotating lasers Zone 40H

27109000, 27110000, 27111000

NESTLE

Fully auto. horizontal laser with manual grade functionality

- The rotating lasers of GeoMax Zone series are robust (IP67), versatile (900 meters workspace) and offer exceptional value for money.
- The Zone 40H horizontal laser with manual tilt and convincing accuracy.
- The Zone 40H is the best solution for any levelling at construction sites, for inspection of concrete and form work, as well as for manual slopes, ramps and driveways.
- Best application: exterior.

Application benefits

- Easy and intuitive operation
- Fully automatic
- Ideal for concrete and form work
- Laser class 1

Specifications	Zone 40H
Tolerance	± 0.5mm at 10m
Working range with receiver	Ø 900m
Laser diode	635nm visible (red), class 1
Self-levelling range	± 6°
Manual inclination range	10%
Temperature range	-20°C to +50°C
Power supply	4 alkaline D-cell (D), Lithium Ion (Li-Ion Pack) rechargeable
Operating time	> 40 hours
Dimensions	240 x 215 x 215mm
Weight	3,200g
Protection class	IP67
Tilt warning	Yes

Scope of delivery

GeoMax Zone 40H laser rotator, Carrying case, Receiver, Li-Ion battery, Li-Ion charger, User manual on CD, Quick start guide, Safety instructions.

- Model no. 27109000 with receiver ZRB90
- Model no. 27110000 with receiver ZRP105 (picture)
- Model no. 27111000 with receiver ZRD105

GEOMAX rotating lasers Zone 60HG

27112000, ...3000, ...4000

NESTLE

Fully autom. horizontal laser with digital grade functionality

- The rotating lasers of GeoMax Zone series are robust (IP67), versatile (900 meters workspace) and offer exceptional value for money.
- The Zone 60HG is a horizontal laser with digital grade to 8% and convincing accuracy.
- Through the display settings of inclinations in two axes are very simple.
- Best application: exterior.

Application benefits

- Easy and intuitive operation.
- Ideal for concrete and form work.
- Laser class 1.
- Can be grade in 2 axes up to ± 8%.
- Digital display for inclination.

Specifications	Zone 60HG
Tolerance	± 0.5mm at 10m
Working range with receiver	Ø 900m
Laser diode	635nm visible (red), class 1
Self-levelling range	± 6°
Temperature range	-20°C to +50°C
Power supply	4 alkaline D-cell (D), Lithium Ion (Li-Ion Pack) rechargeable
Operating time	> 40 hours
Dimensions	240 x 215 x 215mm
Weight	3,300g
Protection class	IP67
Tilt warning	Yes

Scope of delivery

GeoMax Zone 60HG laser rotator, Carrying case, Receiver, Li-Ion battery, Li-Ion charger, User manual on CD, Quick start guide, Safety instructions.

- Model no. 27112000 with receiver ZRB90
- Model no. 27113000 with receiver ZRP105 (picture)
- Model no. 27114000 with receiver ZRD105

GEOMAX rotating lasers Zone 60DG

27115000, ...6000, ...7000

NESTLE

Fully autom. 2-axis grade laser horizontally and vertically

- The rotating lasers of GeoMax Zone series are robust (IP67), versatile (900 meters workspace) and offer exceptional value for money.
- Fully automatic 2-axis grade laser (DG = Dual Grade) with digital grade up to 15% for every construction site.
- With the remote control ZRC60 you have full control of up to 300m.
- Through the display settings of inclinations in two axes, horizontal and vertical, are very simple.
- Best application: exterior.
- With the ZRD105B laser receiver the beam can be catched and monitored automatically.

Application benefits

- Fast auto-levelling.
- Laser class 1.
- Can be grade in 2 axes up to ± 15%.
- Digital display for inclination on the remote control.
- **Beam catching:** automatic laser beam catching (with receiver ZRD105B)
- **Beam lock:** automatic laser beam monitoring (with receiver ZRD105B)

Specifications	Zone 60DG
Tolerance	± 0.5mm at 10m
Working range with receiver	Ø 900m
Laser diode	635nm visible (red), class 1
Self-levelling range	± 6°
Temperature range	-20°C to +50°C
Power supply	4 alkaline D-cell (D), Lithium Ion (Li-Ion Pack) rechargeable
Grade	Up to 10% in both axis simultaneously, 15% in one axis with up to 3% of the cross axis
Operating time	> 40 hours
Dimensions / Weight	240 x 215 x 215mm / 3,400g
Protection class	IP67
Tilt warning	Yes

Scope of delivery

GeoMax Zone 60DG laser rotator, Carrying case, Receiver, Li-Ion battery, Li-Ion charger, User manual on CD, Quick start guide, Safety instructions, Remote control ZRC60.

- Model no. 27115000 with receiver ZRB90
- Model no. 27116000 with receiver ZRP105 (picture)
- Model no. 27117000 with receiver ZRD105
- Model no. 27121000 with receiver ZRD105B

GEOMAX rotating lasers Zone 70DG

27118000, ...9000, 27120000

NESTLE

High-End-Rotating Laser

- Built with a rock-solid core, this high-end rotating laser offers unbeatable performance and is key for long distance applications where high precision and dependability in all kinds of environment conditions are needed.
- Best application: exterior.

Optional: Scope model no. G739870 for precise alignment at long distances. For Zone 60 and Zone 70.

Application benefits

- Laser class 1.
- Can be grade in 2 axes up to ± 25%.
- Rotation speed up to 1,200rev/min.
- Digital display for inclination on the remote control.

Specifications	Zone 70DG
Tolerance	± 0.5mm at 10m
Working range with receiver	Ø 900m
Laser diode	635nm visible (red), class 1
Self-levelling range	± 6°
Temperature range	-20°C to +50°C
Operating time Alkaline Typ D	4 piece = 65h; 8 piece = 130h
Operating time NiMH pack rechargeable	1 pc. = 50h; 2 pc. = 100h
Grade / Tilt warning	Up to 25% / Yes
Dimensions / Weight	265 x 260 x 200 mm / 5,400g
Protection class	IP68

Scope of delivery

GeoMax Zone 70DG laser rotator, Carrying case, NiMH pack and charger, User manual on CD, Quick start guide, Safety instructions, Remote control ZRC70.

- Model no. 27118000 without receiver
- Model no. 27119000 with receiver ZRP105
- Model no. 27120000 with receiver ZRD105 (picture)

Products | Pipe lasers

GEOMAX Pipe lasers Zeta 125 / 125S
page 62

GEOMAX Pipe lasers accessories
page 63

GEOMAX Pipe lasers Zeta 125 / 125S

28004000, 28001000

NESTLE

Pipe lasers

- Ideal for the control and implementation of gradients during laying of sewage and drainage systems.
- The Zeta 125 fits in tight bends and narrow manholes. Its slim build makes it suitable for pipes with 125mm (5") diameter and the Zeta feet ensure users continue working in most any site situation.
- Wide range of applications: inclination of -10% to +40%, Range >300m.
- With the alignment function, only Zeta 125S, you direct the laser by remote control on the direction of target, even outside the trench.
- Zeta 125S has additional vertical plane of rotation and alignment, optionally with automatic target.

- GeoMax Zeta 125, laser class 2 with universal target, model no. 28004000.
- GeoMax Zeta 125, laser class 2 with standard target, model no. 28005000.
- GeoMax Zeta 125S, laser class 3R with universal target, model no. 28001000.
- GeoMax Zeta 125S, laser class 3R with standard target, model no. 28003000.

Application benefits

- Extremely robust construction (IP68) for rough conditions.
- Maximal range.
- Compact size, from 125 (5") pipe used.
- Easy to read, backlit display.

Specifications	Zeta125 / 125S
Tolerance	± 5mm to 100m
Range	> 300m
Laser diode	635nm visible (red), class 2 / class 3R
Tilt range	+40% to -10%
Self-levelling range	+45% to -15%
Temperature range	-20°C to +50°C
Power supply	Lithium-Ion (Li-Ion-Pack) rechargeable
Operating time	40 hours
Dimensions	305 x 105 x 113mm
Weight	2,070g
Protection class	IP68
Tripod mount	5/8"

Scope of delivery

- Instrument
- Case
- Charger LDG125
- Batteries
- Universal target
- Remote control
- 4 x leg for diameter 150mm
- Manual

GEOMAX Pipe lasers accessories

Accessories for pipe laser Zeta125 and Zeta 125S

- Model no. G829482 ZRC125 remote control for Zeta series. Range 100m. Model no. G821876 battery cable for connection to a 12V power supply with alligator clips.
- Model no. G821878 standard target plate with bubble tube. Legs for installation in pipe centre at DN 150mm are included. More legs below. Laser and standard target plate require the same leg each.
- Model no. G821877 universal target plate - adjustable target plate with bubble tube for DN 150, 200 and 250mm. The laser must be set to the corresponding leg.
- Model no. G815624 clip-in target plate for 125mm pipe diameter.
- Model no. G840232 automatic target board - only for Zeta 125S - for automatic target finding.
- Model no. G821881 leg depot completely. Consisting of base plate and each 4 leg of 200mm and 250mm.
- Model no. G821883 Leg 150mm - 1 x 150mm leg with rubber cap (for laser and target plate standard are each 4 leg required)
- Model no. G821884 Leg 200mm - 1 x 200mm leg with rubber cap (for laser and target plate standard are each 4 leg required)
- Model no. G821885 leg 250mm - 1 x 250mm leg with rubber cap (for laser and target plate standard are each 4 leg required).
- Model no. G821888 charger LDG125.
- Model no. G821886 power pack Li-Ion for Zeta series.

Application benefits

- The accessories expand the flexibility at work.
- With several feet the Zeta can be adapted to the most varied construction site situations.

Specifications

Accessories

Products | Laser receivers

GEOMAX ZRB90
Laser receiver
page 65

GEOMAX ZRP105
Laser receiver
page 66

GEOMAX ZRD105
Laser receiver
page 67

GEOMAX ZRD105B
Laser receiver
page 68

METOR
Receiver with mm-display
page 69

GEOMAX MR240
Machine receiver
page 70

GEOMAX MR360
Machine receiver
page 71

GEOMAX Laser receiver ZRB90

27405000

NESTLE

Laser receiver ZRB90 of GeoMax Zone line

- ZRB90 is a reliable entry receiver, ideal for Zone 20H and like all rotating lasers of the series GeoMax Zone.
- Display with graphics and audio signal.
- Two precision levels selectable.

Application benefits

- Operating temperature -10°C to +50°C.
- Suitable for all GeoMax Zone rotating laser.
- Acoustic and graphic display.

Specifications	ZRB90
Laser receptor	80mm
Digital readout	no
Bandwidths	±1mm, ±2mm
Range	Ø 600m
Signal	Display and signal
Protection class	IP66
Working temperature	-10°C to +50°C
Weight	255g
Dimension	155 x 70 x 35mm

Accessories

Laser rod with slide adaptor, model no. 18702000.

GEOMAX Laser receiver ZRP105

27401000

NESTLE

Laser receiver ZRP105 of GeoMax Zone line

- The laser receiver ZRB35; ZRP105 and ZRD105 are suitable for all rotating lasers of the series GeoMax Zone.
- ZRP105 professional laser receiver with high performance with professional format.
- Double-sided display with graphics and sound.
- Three precision levels available.

Application benefits

- Operating temperature -20°C to +50°C.
- Due to the large detection range the laser beam could be found quick and easy.
- Acoustic and graphic display.

Specifications	ZRP105
Laser receptor	105mm
Digital readout	no
Bandwidths	± 1mm, ± 2mm, ± 3mm
Range	Ø 900m
Signal	Display and signal
Protection class	IP67
Working temperature	-20°C to +50°C
Weight	320g
Dimension	170 x 80 x 30mm

Accessories

Laser rod with slide adaptor, model no. 18702000.

GEOMAX Laser receiver ZRD105

27402000

NESTLE

Laser receiver of GeoMax Zone line

- The laser receiver ZRB35; ZRP105 and ZRD105 are suitable for all rotating lasers of the series GeoMax Zone.
- ZRD105 digital laser receiver. Best digital technology in a rugged housing.
- Double-sided display and numeric display in five levels of precision.
- The digital display shows the laser distance in real numerical values.

Application benefits

- Protection class IP67 suitable for the hardest missions.
- Operating temperature -20°C to +50°C.
- Suitable for all GeoMax Zone rotating laser.
- Acoustic and graphic display.
- Suitable for the working range of Ø 900m.

Specifications	ZRD105
Laser receptor	105mm
Digital readout	90mm
Bandwidths	± 0,5mm, ± 1mm, ± 2mm, ± 3mm, ± 5mm
Range	Ø 900m
Signal	Display and signal
Protection class	IP67
Working temperature	-20°C to +50°C
Weight	320g
Dimension	170 x 80 x 30mm

Accessories

Laser rod with slide adaptor, model no. 18702000.

GEOMAX Laser receiver ZRD105B

27404000

NESTLE

Laser receiver of GeoMax Zone line

- Combines the advantages of the ZRD105 with additional features, available with the Zone 60DG.
- The numerical display shows the laser distance in real numbers.

Additional features:

- **Beam catching** - Find and align the laser plane by one key press for slope or vertical alignment application (auto Grade Matching).
- **Beam lock** - the laser plane is catched and monitored in real-time. (Grade Matching and Monitoring)

Application benefits

- IP67 shock and water resistant.
- Working temperature - 20°C to + 50°C
- Catch and align the laser plane in combination with Zone 60DG

Specifications	ZRD105B
Laser receptor	105mm
Digital readout	90mm
Bandwidths	± 0,5mm, ± 1mm, ± 2mm, ± 3mm, ± 5mm
Range / Range RF	Ø 900m / Ø 100m for Beam (Catching+Beam Lock)
Signal	Display and signal
Protection class	IP67
Working temperature	- 20°C to + 50°C
Weight	320g
Dimension	170 x 80 x 30mm
Include	Beam Catching and Beam Lock technology

Accessories

Laser rod with slide adaptor, model no. 18702000.

ANDROTEC METOR

16813000

NESTLE

Receiver with mm-display

- The Metor receiver measures and displays the distance between the laser beam and the marking notch digitally.
- Thus, level differences can easily be measured.
- High precision: Being switched on, the Metor performs a self-calibration procedure automatically.
- Internal storage of 100 readings.
- Laser receptor 125mm, 100mm numeric.
- Display on front and backside.
- Reliable, solid and absolutely waterproof.
- Working with all common rotating lasers (wavelength 610-790nm).
- 70h continuous use with 2 x AA batteries

Application benefits

For high-precision levelling with rotating lasers.

Specifications	ANDROTEC METOR
Laser receptor	125mm / 100mm numeric
Accuracy	5 levels: 0,5mm to 10mm
Range	Ø 600m
Signal	Display and acoustic signal
Display	Front and backside
Power supply	2 x AA
Protection class	IP67
Dimensions	170 x 75 x 37mm
Weight	380g including batteries

Accessories

For laser levelling we offer laser rods:

- Laser rod with slide adaptor, 18702000.

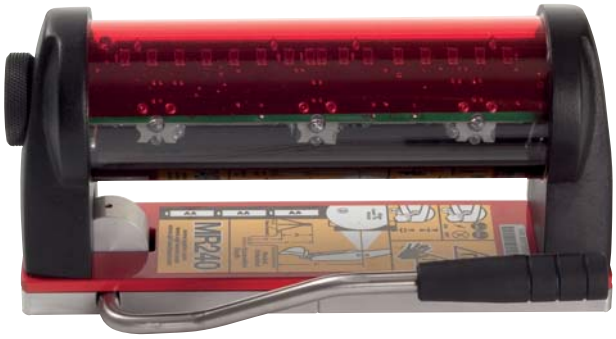
GEOMAX MR240

27600000

NESTLE

Machine receiver

- Ideal for use with backhoes and mini-excavators, the GeoMax MR240 offers the convenience of a machine-mounted display at an economical price.
- It features LED indicators to show the position of cutting edge in relation to laser reference beam.
- Three indicators in coarse mode, up to five in fine mode. Equipped with magnet mount with extra strong rare earth magnets.



Application benefits

- Accurate grade information for all visual machine control applications.
- Extra strong rare earth magnets.
- Rugged design, waterproof.

Specifications	GeoMax MR240
Range	200m
Accuracy fine	6mm
Accuracy coarse	30mm
Reception angle	240°
Reception height	14cm
Power	3 x AA
Battery power	130 hours with 3 x AA
Protection class	IP67
Weight	2,200g
Dimensions	220 x 120 x 100mm

Scope of delivery

MR240, case, alkaline batteries.

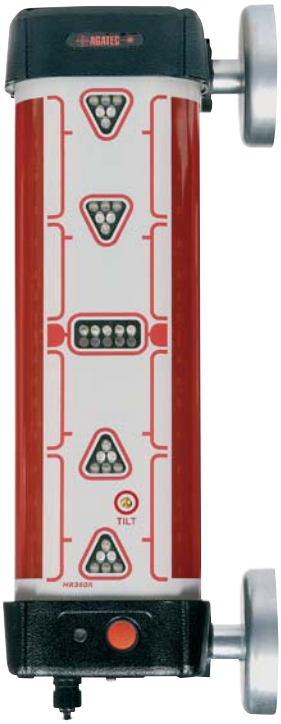
GEOMAX MR360

27602000, 27604000

NESTLE

Machine receiver

- The GeoMax MR360 offers accurate grade information for all visual machine control applications.
- Large 360° detection windows pick up any rotating laser, from any angle.
- Built-in vertical indicator monitors angle of the stick, signaling if it's plumb or under- or over-extended.
- Magnet mount allows quick setup and easy movement from machine to machine.
- The optional display unit MD360 enables wireless transmission of the display in the machine cabin.



Application benefits

- 360° detection windows for total coverage.
- Remote display in the cab in order to ensure the best possible control of the workflow (optional).
- No cable required.
- Particularly strong magnets.

Specifications	MR360
Range	200m
Accuracy fine	6mm
Accuracy coarse	12mm
Reception angle	360°
Reception height	25cm
Vertical indicator	±5°
Power	MiMh rechargeable
Battery power	30 hours
Protection class	IP67
Weight	1,800g
Dimensions	375 x 75 x 107mm

Scope of delivery

MR360, model no. 27602000: case, rechargeable batteries, charger.

MR360RE, model no. 27604000: case, rechargeable batteries, charger and remote display MD360.

MD360, model no. 27601000: Remote display.

Products | Laser accessories

NESTLE - inclination support

page 73

NESTLE - batter board support

page 74

NESTLE - pavement support

page 74

NESTLE - board support
for receivers

page 74

NESTLE - inclination support

13905000

NESTLE

Inclination support for lasers with manual mode

- For all rotating lasers with manual mode the NESTLE- inclination support offers a convenient alternative to expensive slope lasers.
- There are only two preconditions for using the support: First, the tripod and the laser have to be equipped with a 5/8"- connection, which is standard for survey tripods and rotating lasers.
- Second, the laser has to feature manual mode.
- Handling is easy: Fix the laser with the inclination support on the tripod, then turn the laser into manual mode.
- The support has a circular bubble level for perpendicular positioning the device.
- The degree of inclination can be easily adjusted by turning the crank.
- The graduation displays degrees and percent scale.
- Although easy to use, the NESTLE- inclination support is rugged and designed for daily use on the jobsite. The solid metal construction withstands all environmental influences, the graduation is abrasion-proof.

Application benefits

For manual inclination of rotating lasers, e.g. for roof slopes or road construction.

Specifications	NESTLE - Inclination support
Graduation	in ° and %
Weight	2,000g
Dimensions	190 x 140 x 110mm
Thread	5/8"

Accessories

We offer rotating lasers with switchable automatic:

- NESTLE Pulsar 2S, model no. 16003001.
- GeoMax Zone 40H, model no. 27109000.

Inclination support

13908000, 13915000, 13909000

NESTLE

Accessories for laser applications

NESTLE- batter board support:

- Use the batter board support for easily setting axes on construction sites. Simply fix the rotating laser vertically on the support. The bar clamp allows for a quick and variable fastening.
- For lasers with 5/8"- connection.

NESTLE- pavement support:

- The pavement support is designed for ground level applications, below cutting-check. Ideal for floorer's, composition floor layers, electricians (for placing wall sockets and cable conduits), also for positioning heaters and pipes. The pavement support is simply attached to the "parked" extension, which is available as tripod accessory.
- For lasers with 5/8"- connection.

NESTLE- batter board support for receivers:

- Position the receiver directly above the pin on the batter board. For setting axes without using cords

Application benefits

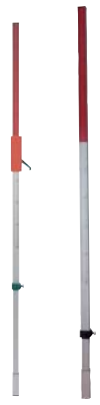
The supports are perfect for professional batter board work.
The pavement support is ideal for interior applications.

Specifications	System accessories
NESTLE- batter board support	Model no. 13908000
Weight	1,200g
NESTLE- pavement support	Model no. 13915000
Weight	600g
Batter board support for receivers	Model no. 13909000
Weight	800g

Accessories

Please find rotating lasers for all requirements in our versatile laser assortment. Wall mounts for different tasks you find at page 48.

Products | Laser rods



NESTLE laser rods

page 76

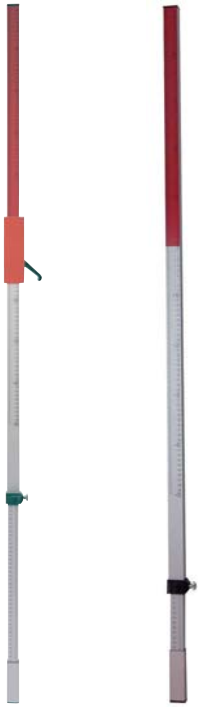
NESTLE laser rods

18700000, 18701000, 18702000

NESTLE

Rod for laser applications

- The laser rod is comfortable and easy to handle.
- Convenient aluminium profile.
- Anodized aluminium profile, protected against environmental influences.
- Bicolor front makes the definition of a certain level very easy. The upper part is divided from 50cm down to 0cm and has a red back ground. The lower part has a silver background and is divided from 0cm up to 50cm. Thus, deviations can easily be levelled.
- Quick locking screw adjustment on the correct level.
- The laser rod is ideal for levelling: Simply extend the rod with the receiver fixed to the zero-position. A second graduation on the bottom segment displays the zero-level height in relation to the ground you are working on.
- Delivery includes Bag and bubble level.
- Three versions available: Rod without adaptor, rod with slide adaptor (lever clamping), rod with slide adaptor (screw clamping).



Application benefits

- Ideal for laser applications.
- Low weight for fatigue-free working.

Specifications	Laser rod
Laser rod without adaptor	Model no. 18700000
Length	130 - 240cm
Weight	1,000g
Laser rod / slide adaptor (screw)	Model no. 18701000
Length	130 - 240cm
Weight	1,300g
Laser rod / slide adaptor (lever)	Model no. 18702000
Length	130 - 240cm
Weight	1,300g

Accessories

For working with the laser rod we offer a floor support:

- Floor support, 18915000.

Products | GEOMAX Cable & pipe locators

Cable & pipe locators

page 78

Accessories pipe locators

page 79

GEOMAX Cable & pipe locators

27500000 ...

NESTLE

Cable avoidance and tracing system EZi systems

- The determination of the precise location of underground lines to protect employees and equipment during an excavation project has never been more important.
- The EZiCAT devices identify the location of underground lines by the receiving electromagnetic signals radiated from them.
- The intelligent EZiCAT software interprets these signals and provides the user both audible and visual information to the position and orientation of the hidden lines.
- **EZiCAT i500, model no. 27500000,** rugged instrument for easy and fast line location.
- **EZiCAT i550, model no. 27501000,** locator with additional depth display function*.
- **EZiCAT i750xf, model no. 27518000,** locator with depth display function*, data logging, Bluetooth and GPS.

* For depth displaying a signal transmitter t100 or t300 is necessary.

Application benefits

- Increasing the safety during earthworks.
- In combination with signal transmitter safe location over long distances.
- Very simple operation.

Specifications		i500	i550	i750xf
Depth	0.3 to 3m	•	•	•
Depth display	With transmitter		•	•
Depth estimation	With transmitter		•	•
GPS	± 2.5m			•
Locating	Active power lines	•	•	•
Modi	Power, Radio, 8 / 33kHz	•	•	•
Further modi	512 / 640kHz			•
Power	6 x AA	•	•	•
Capacity	40 hours	•	•	•
Protection class	IP54	•	•	•
Weight	2,700g	•	•	•
Dimension	760 x 85 x 250mm	•	•	•

Scope of delivery

- Instrument include batteries.

Extend the flexibility of working with the accessories for EZi system, see next page!

GEOMAX Cable & pipe locators accessories

NESTLE

Accessories for EZi system

Signal generator EZiTEX

Necessary for depth measurements with i550 and i750xf, as well as to apply conductive signal to conductive media.

t100, model no. 27503000, a robust signal generator for the use before excavation work.

t300, model no. 27508000, ideal if you frequently locate lines in areas of high signal overlay or large excavation areas.

t300xf, model no. 27519000, like t300 for i750xf.

Signal clamp for EZiTEX 8/33 kHz, model no. 27512000

The signal terminal is a lightweight, rugged, 100 mm clamp that is used to apply a locatable signal to underground conductive supply lines and used in conjunction with an EZiTEX signal generator.

EZiROD bending rod on drum

The EZiROD is a flexible rod that works in conjunction with the EZiTEX for location of non-metallic drainage pipes, channels or pipes allows. The EZiROD is passed through the supply line to be examined pushed.

EZiROD 80m, model no. 27504000

EZiROD 50m, model no. 27505000

EZiROD 30m, model no. 27506000

Sonde compact, model no. 27511000

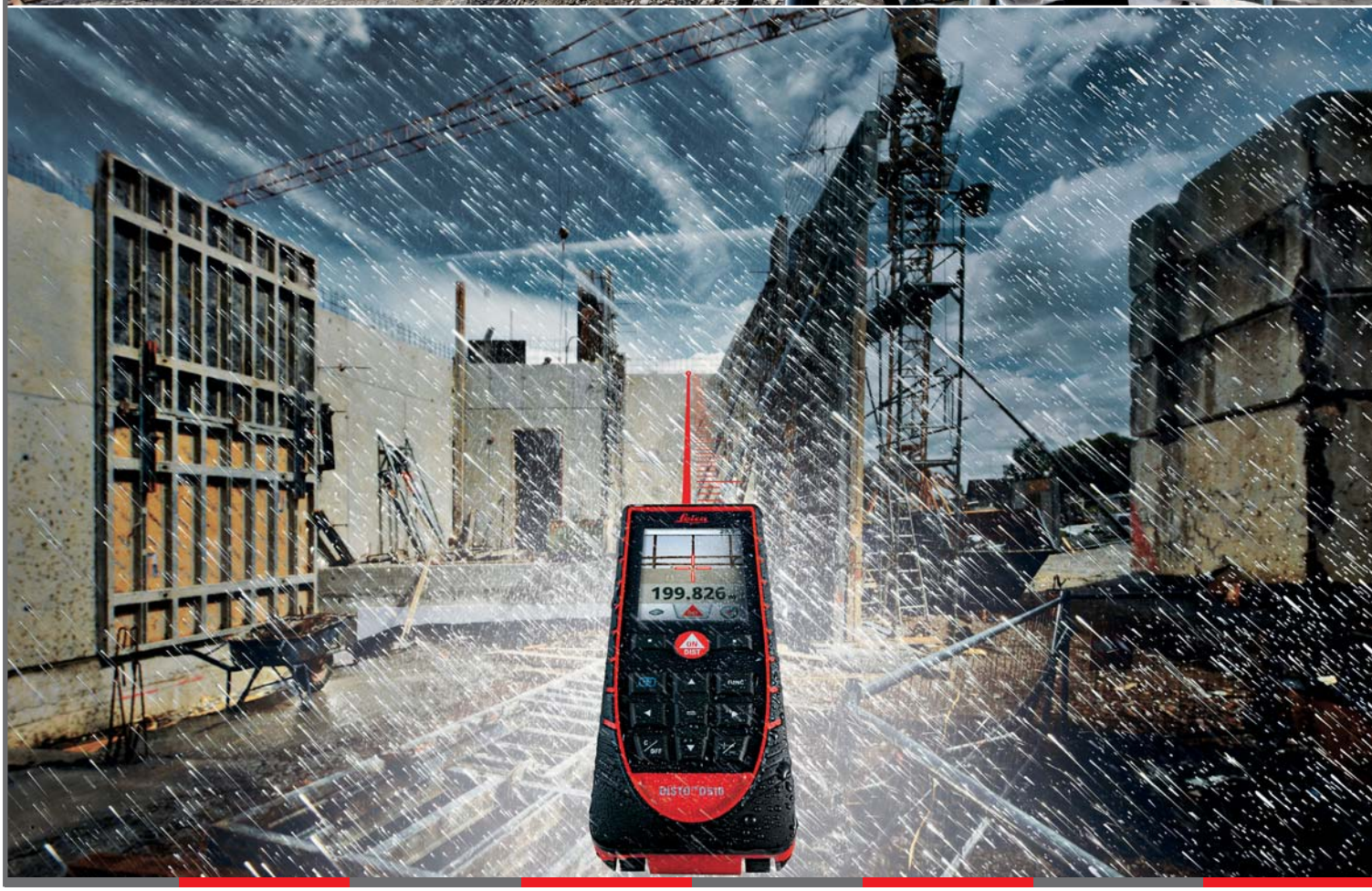
The compact dual-frequency sonde can be used to locate drainage pipes and sewers and other non-conductive supply lines. It works like a signal generator and can be attached to various devices, e.g. pipe cleaning rods, drills and security cameras.

Property connection set, model no. 27513000

The property connection set is used to apply a locatable signal to cables and is used in conjunction with an EZiTEX signal generator.

Robust bag for your EZi system, model no. 27514000

Products | Distancemeters



Products | Distancemeters

Leica DISTO™ D1

page 82

Leica DISTO™ D110

page 83

Leica DISTO™ D2

page 84

Leica DISTO™ X310

page 85

Leica DISTO™ X3, X4

page 86

Leica DISTO™ D510

page 87

Leica DISTO™ D810 Touch

page 88

Leica DISTO™ S910

page 89

Leica DISTO™ D1

16721000

NESTLE

Small size, plenty opportunity

- Measure the distance in seconds without the help of another person by simply pressing a button. Avoid the risk of work accidents during difficult and dangerous measurements, e.g. when heights are measured.
- Thanks to the precise laser technology, the starter model Leica DISTO™ D1 delivers reliable measurement results. The operation of the device is very simple and intuitive.
- The Leica DISTO™ D1 can be quickly and easily connected to the Leica DISTO™ free App Sketch for transferring and documenting measurements.

Application benefits

- Fast and reliable
- Unit m, ft, inch
- Integrated Bluetooth® Smart for free App (iOS and Android)
- Precision at the push of a button
- Individual measurement and duration measurement

Specifications	Leica DISTO™ D1
Laser class	2
Range	0.2 - 40m
Accuracy	± 2mm
Protection class	IP54
Dimension	115 x 43.5 x 23.5mm
Weight	87g
Battery	2 x AAA
Data interface	Bluetooth® smart
Free App for	iOS / Android

Scope of delivery

- Leica DISTO™ D1 laser distancemeter
- User Manual
- 2 x AAA batteries

Leica DISTO™ D110

16715000

NESTLE

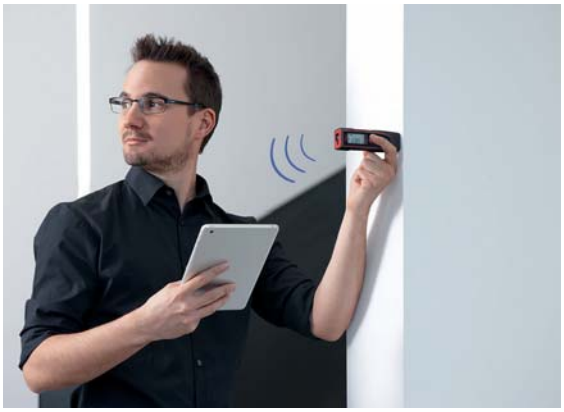
Small size, plenty opportunity

- The D110 is the smallest member of the Leica Disto™ Series with integrated Bluetooth® Smart technology.
- Ergonomic design it fits perfectly in the hand.
- With its four buttons it is fast and intuitive to use and allows distance and area measurements in seconds.

Application benefits

- Practical form and unmatched ease of use
- Extended functionality through integrated Bluetooth® Smart and the app Leica DISTO™ sketch
- Ideal for rapid distance and area measurements
- Removable pocket clip for convenient carry the device
- Technology, quality and precision of Leica Geosystems

Specifications	Leica DISTO™ D110
Laser class	2
Range	0.2 - 60m
Accuracy	± 1.5mm
Protection class	IP54
Dimension	120 x 37 x 23mm
Weight	92g
Battery	2 x AAA 1.5V
Measure	m, ft, in
Data interface	Bluetooth® smart



Scope of delivery

- Leica DISTO™ D110
- Belt bag
- Pocket clip
- 2 x AAA batteries
- Manual / safety instructions on CD
- Calibration Certificate Silver
- Quick Start Guide
- Protect Card

Leica Disto™ D2

16720000

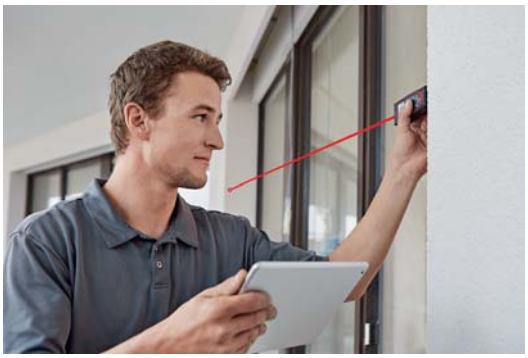
NESTLE

Laser distancemeter

- The compact and handy Leica DISTO™ D2 has many interesting functions and is still simple to use.
- Thanks to its ergonomic and compact design with soft grip, the Leica DISTO™ D2 sits securely in your hand, is lightweight and fits in any pocket.
- The innovative X-Range Power Technology makes it possible to measure distances up to 100m. This technology ensures optimum measure performance, what means fast and reliable measurements.
- Whether measuring out of corners, slots or from edges, with the multi-functional end-piece you are prepared for all measuring situations. The instrument detects the end-piece automatically, which helps to avoid expensive measuring errors.
- Functions: Mini/Max measurement, addition/subtraction, area/volume
- Memory for 10 results.
- Illuminated display.
- With integrated Bluetooth® Smart you can send your measure results directly to smart phones or tablets - so expensive faults from writing can be avoided.
- DISTO™ D2 is certified by ISO 16331-1.

Application benefits

- Precise in its applications - faster then measurements with a measuring tape.
- Handy, small, simple to use - versatile in daily use.
- Free app Leica DISTO™ sketch supports the creation of drawings and pictures and to dimension them precisely



Specifications	Leica DISTO™ D2
Laser class	2
Range	0.05 – 100m
Accuracy	± 1.5mm
Protection class	IP54
Dimensions	116 x 40 x 26mm
Weight	100g
Battery	2 x AAA

Scope of delivery

- Leica DISTO™ D2 laser distancemeter
- Holster
- Hand loop
- Batteries

Leica DISTO™ X310

16707000

NESTLE

Laser distancemeter

- The Leica DISTO™ X310 is the only laser distancemeter to be dust-tight and protected against water jets - to IP65. Cleaning under running water is also no problem.
- It passes drop test from up to 2m high - the sensitive measuring elements are protected by solid rubber parts.
- Thanks to the tilt sensor of 360° are indirect distance- and height-measurements absolutely accurate possible.
- If obstructions prevent you from taking direct distance measurements, you can use the Smart Horizontal Mode to determine the horizontal distance simply and absolutely precisely.
- Functions: Tilt sensor 360°, Min/Max measurement, continuous measurement, stake out function, addition/subtraction, area/volume, painter function, Pythagoras (3 points, partial height), Smart Horizontal Mode, height tracking, memory for 20 values, illuminated display, multifunctional end-piece.
- The X310 is certified by ISO 16331-1.

Application benefits

- Faster as a measuring tape.
- Very robust - ideal for outdoor using on construction sites.
- Handy, small and a simple operation.
- With tilt sensor 360°

Specifications	Leica DISTO™ X310
Laser class	2
Range	0.05 – 120m
Accuracy	± 1.0mm
Protection class	IP65
Dimensions	122 x 55 x 31mm
Weight	155g
Battery	2 x AAA

Scope of delivery

- Leica DISTO™ X310 laser distancemeter
- Holster
- Hand loop
- 2x AAA batteries

Leica DISTO™ X3 and X4

25005000, 25006000

Laser distancemeter for tough and rugged conditions

- The rugged Leica DISTO™ X-series combines innovative measuring technologies with a site-proof design and simple user interface.
- Together with the Leica DST 360, the X-series can be turned into a powerful 3D capturing station.
- The DISTO™ X4 is equipped with a pointfinder camera (DISTO™ X4 only), allowing you to easily target distant objects in bright sunlight. Even if the laser dot cannot be seen, the target clearly appears on the large colour display.
- With the optional DST 360 package you can precisely aim points and measure distances between any 2 points.
- The Leica DISTO™ X3 and X4 can be quickly and easily connected to an App for transferring and documenting measurements.

Application benefits

- Field-compatible and robust with protection class IP65
- Integrated Bluetooth® Smart for App (iOS and Android)
- With pointfinder camera (DISTO™ X4 only)
- P2P measurement and precise targeting (25007000 necessary)

Specifications	Leica DISTO™ X3 and X4
Pointfinder camera	Only X4
Laser class	2
Range	0.05m - 150m
Accuracy	+- 1 mm
Protection class	IP 65
Dimensions	132 x 56 x 29mm
Weight	184 g
Battery	2 x AA
Data interface	Bluetooth® Smart
App for	iOS / Android

Scope of delivery

- 25005000 Leica DISTO™ X3, holster, hand loop, 2 x AA, QR code link to online manual.
- 25006000 Leica DISTO™ X4, holster, hand loop, 2 x AA, QR code link to online manual.

For optimal functionality, we recommend the optional Leica DST 360 set. Prerequisite for P2P measurements.

- 25007000 Leica DST 360 adapter, tripod TRI120, rugged hard case IP67.

Leica DISTO™ D510

16714000

NESTLE

Laser distancemeter

- The Leica DISTO™ D510 is the all-rounder under the distance meters.
- Unique combination of digital point finder with 4x zoom and 360° tilt sensor allows measurements which are not possible with conventional distance meters.
- Take measurements with perfect accuracy and in unfavorable light conditions - even if the red laser point is no longer visible, the target can be seen exactly on the colour display.
- Multifunctional end-piece.
- Use the DISTO™ D510 in every weather conditions. He is sealed against water and dust (IP65).
- Operating range up to 200m and an accuracy of ±1mm.
- Measuring units in m, ft, in and yd.
- Tilt sensor units in 0,0°, 0,00%, mm/m and in/ft.
- The Leica DISTO™ D510 is the indispensable attender on every construction area.

Application benefits

- You could clean the D510 under running water.
- Free app – Leica DISTO™ sketch supports the creation of ground plans or tables on iPhone or iPad.
- Measurement data can be transferred using the Bluetooth Smart Technology.
- Create your own list of favourites.

Specifications	Leica DISTO™ D510
Laser class	2
Range	0.05 - 200m
Accuracy	± 1.0mm
Protection class	IP65
Tilt sensor	360°
Dimensions	143 x 58 x 29mm
Weight	190g
Battery	2 x AA
Data interface	Bluetooth® Smart
Free app	Leica DISTO sketch

Scope of delivery

- Distancemeter Leica DISTO™ D510
- Holder
- Hand loop
- 2 x AA batteries

Leica DISTO™ D810 touch

25000000

NESTLE

Laser distancemeter with touchscreen

- The Leica DISTO™ D810 touch is the world's first laser distancemeter with touch screen for quick and intuitive operation.
- Measure in photo: With only one measurement of the Leica DISTO™ D810 touch can determine the height, width, area and the diameter of an object.
- Distance measurement, inclined objects, area, volume and trapezoidal measurement, addition, subtraction, and Pythagoras to name only a few features.
- Can be easily measured with the height tracking function even trees or buildings that do not provide appropriate reflection point.
- With the camera function photos for documentation and more detailed explanation can be created and loaded via the USB port on a computer.
- Using the Leica DISTO™ Sketch App (Version 2.0) can be transmitted measurement data in each iOS or Windows 8 program.

Application benefits

- Touch screen
- Overview camera
- Measure with a Picture
- Precise 360° tilt sensor
- Height tracking, Profile measurement
- Smart Horizontal Mode™
- Bluetooth® Smart
- Free App - Leica DISTO™ sketch (Version 2.0)
- Diameter calculation
- Measuring unit: m, ft, in
- Colour Display with Point finder: 4 x zoom

Specifications	Leica DISTO™ D810 touch
Laser class	2
Range	0.05 - 200m
Accuracy	± 1mm
Protection class	IP54
Tilt sensor	360°
Dimensions	164 x 61 x 31mm
Weight	238g
Battery	Li-Ion battery
Data interface	Bluetooth® Smart
Memory	30 Displays

Scope of delivery

- Leica DISTO™ D810 touch
- Holster
- Hand loop
- Charger with cable and 4 adapters

Optional accessories:
- FTA360 adapter with fine adjustment, model no. 22015000 (see page 92)

Leica DISTO™ S910

25002000

NESTLE

Measuring anything from anywhere

- The Leica DISTO™ S910 is worldwide the first laser distancemeter with the revolutionary P2P Technology.
- The integrated Smart Base enables measurements between any two points from one location.
- As world's first the Leica DISTO™ S910 can save all the measured points into a DXF file, as a floor plan, wall layout or even as 3D data, which can be downloaded later in the office to a PC via the USB interface.
- To provide you with complete and reliable documentation, the S910 also stores all the pictures showing where you measured to.
- Measurement data can also be transferred directly on site over the WLAN interface to a portable computer to be further processed in your preferred software.
- Establishing the connection is extremely easy - similar to a hotspot.
- The free Leica DISTO™ transfer with Plugin software also supports the transfer of your results into many CAD applications.
- All this points shortens the work flow and save valuable time.
- Optional available as set with tripod and adapter FTA360-S.

Application benefits

- Integrated Smart Base for P2P Technology
- Point finder with 4x zoom for easy targeting
- X-Range Power Technology for highest measurement performance (range up to 300m)
- 360° tilt sensor
- DXF data capture
- Real-time data transfer with WLAN
- Bluetooth® Smart
- Free App - Leica DISTO™ sketch - iOS, Android

Specifications	Leica DISTO™ S910
Laser class	2
Range	0.05 - 300m
Accuracy	± 1.0mm
Protection class	IP54
Tilt sensor	360°
Dimensions	164 x 61 x 32mm
Weight	290g
Batteries / Charging time	Li-on rechargeable / 4h
Data interface	Bluetooth® Smart, WLAN, USB
Measuring units	m, ft, in

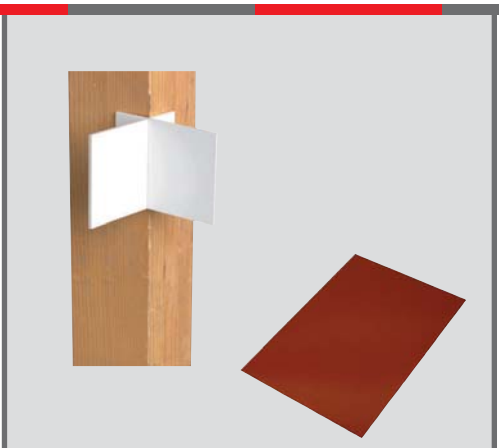
Scope of delivery

- Leica DISTO™ S910, holster, hand loop, charger with cable and 4 adapters and smart base extensions
  For powerful performance we recommend the optional available set with tripod and adapter FTA360-S.
- Model no. 25003000: DISTO™ S910, FTA360-S, target plate GZM3, tripod TRI 70 together in a carrying case
- Model no. 25004000: DISTO™ S910, FTA360-S, target plate GZM3, tripod TRI 200

Products | DISTO™- accessories

DISTO-accessories

page 91



Target plate

page 91

Laser glasses

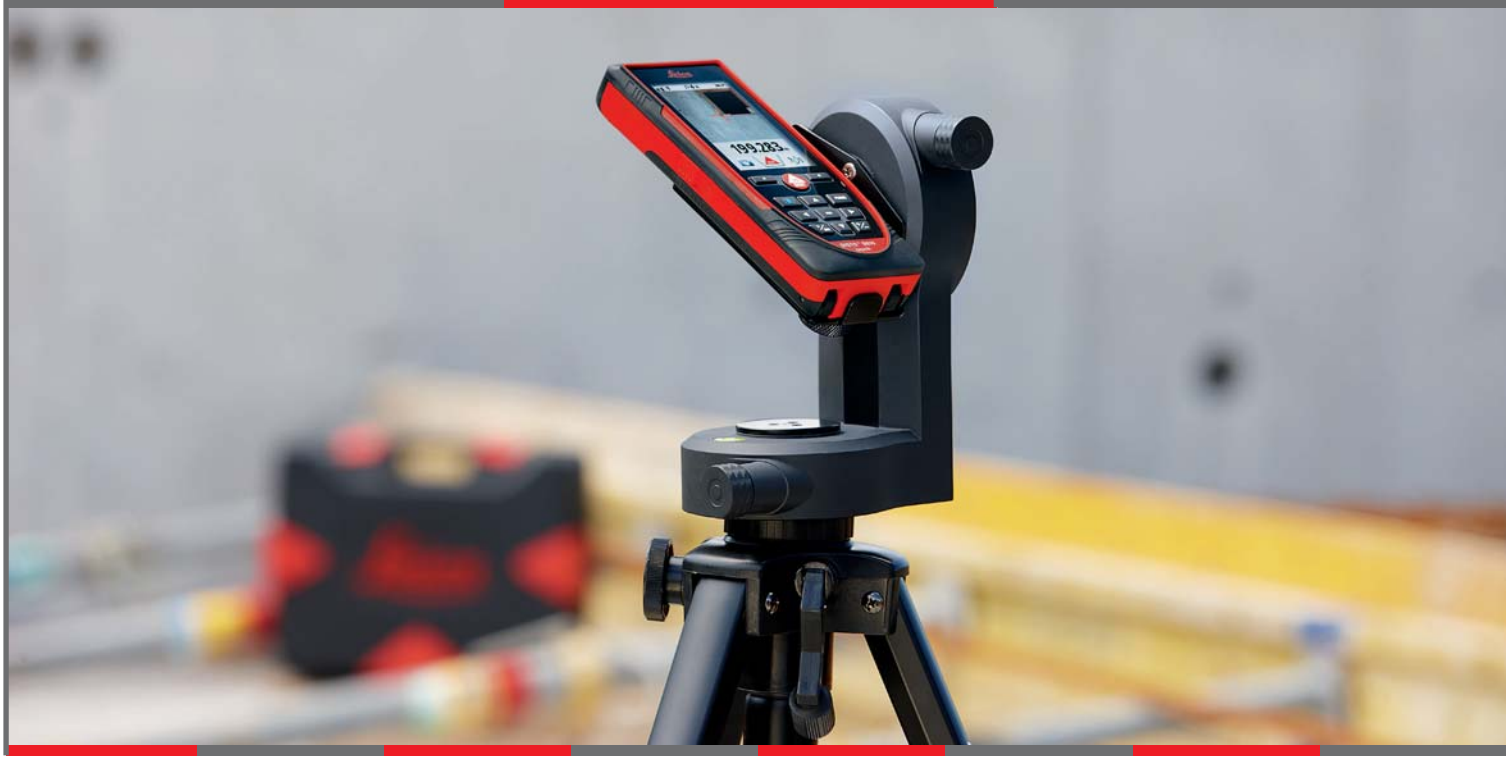
page 91

Adaptor

page 92

Carrying bag

page 92



DISTO™- accessories

13910000 ...

NESTLE

Accessories for distancemeters

- **Pythagoras-adaptor:** Vertically rotatable adaptor for the models Leica DISTO™ X310, D410, D510 and D810 (model No. 13910000) and for Bosch GLM150 an GLM250 (model no. 19321000). The adaptor makes aiming easy and increases accuracy, especially for indirect measurements. The Pythagoras-adaptor fits with any common levelling or photographer´s tripod.
- **Target plates:** In spite of Power Range Technology the DISTO´s range is limited by environmental and illumination conditions. For these reasons, target plates are used to improve laser reflection. The pluggable target plate is especially suitable for measurements along external walls. The connector system and the BluTack-glue allow for easy attaching the plate to a building´s wall.
- **Laser glasses:** For better laser point visibility on large distances.

13910000

13921000

Application benefits

More flexibility and accuracy when measuring with Leica DISTO™ distancemeters.

GZM27

GZM26

Specifications	DISTO™- accessories
Pythagoras-adaptor	
Connection	1/4" / 5/8"
Model no. / Weight Leica	13910000 / 350g
Model no. / Weight Bosch	13921000 / 300g
Target plate GZM3	Model no. 22022000
Target plate GZM26 / A4	Model no. 22005000
Pluggable target plate GZM27	Model no. 22004000, incl. glue
Pluggable target plate GZM30	Model no. 22002000
Pluggable target plate for D3a/BT	Model no. 22003000
Laser glasses GLB30	Model no. 22000000
Laser glasses	Model no. 21101000

GZM30

for D3a/BT

Accessories

- The GLB30-laser-glasses impresses with its design and changeable glasses. Delivery includes laser-, sun- and protection-glass.
- Standard laser-glasses helps to find the laser point or line.

GLB30

Laser glasses

DISTO™- accessories

22007000 ...

NESTLE

Accessories for distancemeters

- **Adaptor LSA360-S** for the Leica Disto™ D410, D510, D810 touch and S910. With this adaptor you can fix your Disto on a prism pole or GPS-pole.
- **Tripod-adaptor TA360** for the DISTO™ X310, D3aBT, D5, D8, D410 and D510. You can fix your Leica DISTO on top of a tripod with a connection of 1/4".
- **Tripod-adaptor FTA 360** for the DISTO™ D510 and DISTO™ D810 touch. For DISTO™ S910 you need **FTA 360-S.** Solid adaptor with fine adjustment. You can fix your Leica DISTO™ on top of a tripod with a connection of 1/4".
- **Charger UC20** including 2xAAA batteries and a plug. It is useful at work for the DISTO™ models D2, D210, X310 and Da3BT.
- **Supporting loop** is helpful for all types of DISTOS™.
- **Carrying bag** for convenient transport of all types of DISTOS™ and accessories.
- **Tripod Leica TRI200** ¼" thread connection, incl. carrying bag model no. 22023000

FTA360

TA360

LSA360-S

Application benefits

- For more flexibility with the Leica DISTO™ instruments at work.
- You improve the accuracy by doing measurements with the pole- and tripod adaptors.

Specifications	DISTO™- accessories
Adaptor LSA360-S	Model no. 22026000
Weight	600g
Tripod-adaptor TA360	Model no. 22007000
Connection	1/4"
Weight	500g
Tripod-adaptor FTA360 / S	Model no. 22015000 / 22019000
Connection	1/4"
Weight	580g
Charger UC20	Model no. 22008000
Supporting loop	Model no. 22009000
Carrying bag	Model no. 22001000
Tripod Leica TRI200	Model no. 22023000
Connection / Weight	1/4'' / 1,800g
Transport length	77cm

Accessories

You will find accessories for all types of DISTOS™ by Gottlieb NESTLE GmbH.

Products | Measuring tapes

Measuring tape glass fibre

page 94

Steel measuring tape

page 95

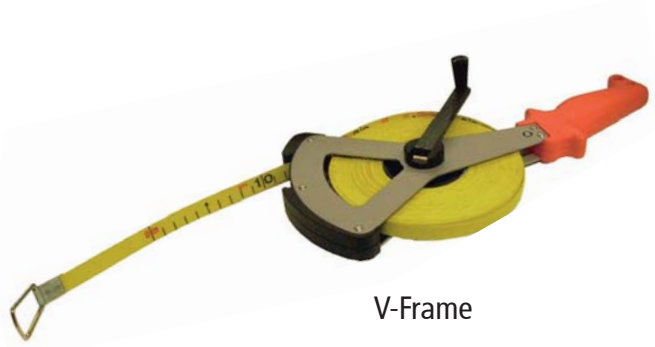
Measuring tape

18100000, ...1000, ...2000, ...3000, ...4000

NESTLE

Measuring tape glass fibre

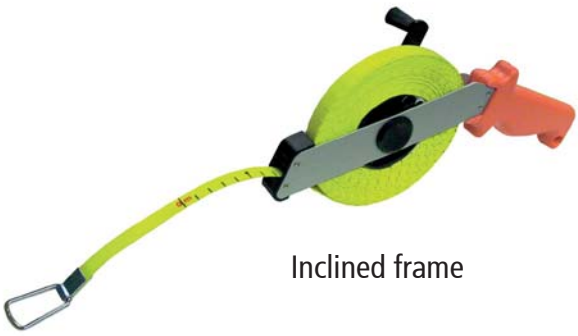
- Measuring tapes are indispensable accessories for your equipment.
- Measuring tape made of glass fibre - 13mm wide.
- The accuracy is increased by parallel plastic-embedded glass fibre threads.
- Corresponding with EU design approval D85/1.3.54
- The glass fibre tapes are available with various frames: V-frame (30 + 50m), inclined frame (20m) and casing (10 + 20 + 50m).
- Single-side printing with cm-graduation



V-Frame

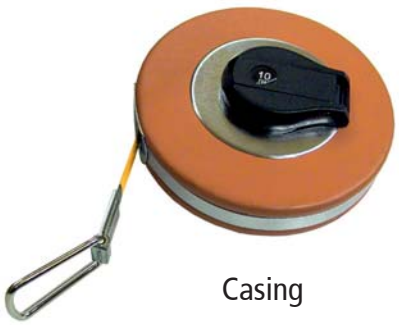
Application benefits

- Reliable and tough - Made in Germany!
- Easy handling in application.



Inclined frame

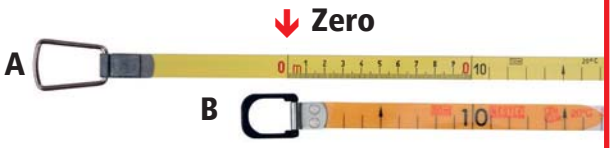
Specifications	Measuring Tape
V-Frame, 30m	Start A: 18100000 / Start B: 18110000
V-Frame, 50m	Start A: 18101000 / Start B: 18111000
Inclined frame, 20m	Start A: 18102000 / Start B: 18112000
Casing, 10m	Start A: 18103000 / Start B: 18113000
Casing, 20m	Start A: 18104000 / Start B: 18114000
Casing, 50m	Start A: 18121000 /



Casing

Tape starts

Our tapes are available with different starts. Simply choose and indicate the required tape start with your order.



Steel measuring tape

18105000, ...6000, ...7000, ...8000, ...9000

NESTLE

White painted steel tapes or Polysan

- Measuring tapes are indispensable accessories for your equipment.
- Steel tapes are characterized by their high resistance.
- Made of hardened and polished steel, 13mm wide
- Corresponding with EU design approval D81/1.3.41.
- Abrasion-resistant graduations in black and red.
- Available in white painted steel tape or with nylon coating „Polysan" (yellow).
- With V-frame or inclined frame.
- Single-side printing, cm-graduation (mm-graduation on the first 10 centimetres).

Inclined frame

Application benefits

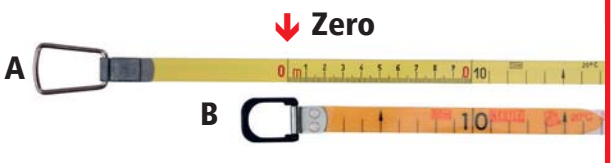
- Reliable and tough - Made in Germany!
- Easy handling in application.

V-Frame

Specifications	Steel measuring tape
White painted, V-Frame, 100m	Start A: 18105000 / Start B: 18115000
White painted, inclined frame, 30m	Start A: 18106000 / Start B: 18116000
White painted, inclined frame, 50m	Start A: 18107000 / Start B: 18117000
Polysan, V-Frame, 30m	Start A: 18108000 / Start B: 18118000
Polysan, V-Frame, 50m	Start A: 18109000 / Start B: 18119000

Tape starts

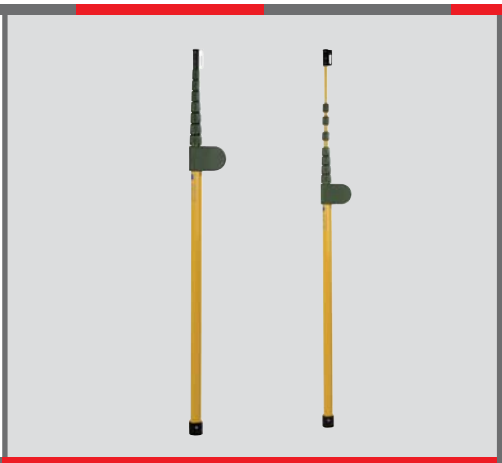
Our tapes are available with different starts. Simply choose and indicate the required tape start with your order.



Products | Telescopic meters

NESTLE TELEFIX

page 97



TELEMAX

page 98

TELEMAT

page 99

NESTLE telescopic meters

18400001 ...

NESTLE

TELEFIX

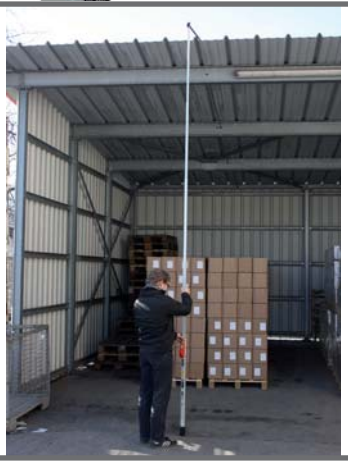
- Analogue mm-reading, easy to read at a convenient height. No bending down - no falsifying the result.
- Telescopic extendable.
- Two indices for inner and outer dimensions.
- Horizontal and vertical bubble level for exact handling.
- Accuracy according to MID-guidelines.
- Anodized aluminium square tubes for a solid and stable stand.
- Bilateral pressure spring lock prevents the elements from slumping down.
- All models incl. carrying bag made of sailcloth.
- The TELEFIX- telescopic meters are available at 3m, 4m, 5m, 6m, 8m and 10m length.

Telefix Telefix-Geodesy

Application benefits

- Measure roof heights, ceiling heights, internal dimensions etc.
- We also offer hooks for vehicle height measurement and forestry.
- Height measurements in survey with geodesy-adaptor.

Specifications	NESTLE- TELEFIX
Telefix 3m: 66-300cm, 1,600g	Model no. 18400001
Telefix 4m: 83-40 cm, 1,900g	Model no. 18401001
Telefix 5m: 99-500cm, 2,200g	Model no. 18402001
Telefix 6m: 116-600cm, 2,400g	Model no. 18403001
Telefix 8m: 135-800cm, 3,200g	Model no. 18404001
Telefix 10m: 164-1,000cm, 4,400g	Model no. 18405001
Telefix 5m: Geodesy 104-500cm, 2,300g	Model no. 18406001



Optional

- Triangular tips, model no. 18902000.
- Round tips, model no. 18903000.
- Thread bolt M8/5/8", model no. 18904000.
- Geodesy-adaptor for Telefix, model no. 18905000.
- Laser-adaptor for Telefix 3,4,5 and 6m, model no. 18906000.
- Laser-adaptor for Telefix 8 and 10m, model no. 18907000.
- Hook for Telefix, 35cm, model no. 18908000.
- Hook for Telefix, 70cm, foldable, incl. fixing screw and hex-wrench, model no. 18924000.
- Bags available separately. Please indicate length.

NESTLE telescopic meters

18407000

TELEMAX – telescopic meter made of glass fibre

- Sturdy design - perfect for daily use on the job site.
- Made of solid glass fibre tubes.
- Telescopic extendable in 8 segments.
- Analogue mm-reading, viewing panel positioned at a comfortable height.
- Glass fibre is non-conducting, therefore measurements near power lines are possible.

Application benefits

Measure roof, ceiling, cable or vehicle heights.

Specifications	TELEMAX
Range	140 - 800cm
Weight	2,000g

Accessories

A bag is included in the scope of delivery.

NESTLE telescopic meters | 18300001, ...1001, ...2001, ...5001

TELEMAT

- Ideal for measuring clear heights such as ceilings, door frames, eaves.
- The mm-graduation on the front side measures „upside down“: Simply extend the segments, the result can be read at the junction to the next segment.
- Telescopic extendable staffs, short transport size and low weight make the staffs comfortable to handle.
- The imprint is protected by projected profile edges.
- Solid push-button mechanism for secure locking of the telescopic segments.
- The segments slide easily without jamming.
- Available at 3m, 4m and 5m length.
- The 5m version is available with fold-out hook. Therefore ideal for measuring vehicle heights and external dimensions.

Telescopic meter with 70cm fold-out hook:
- Ideal for measuring altitude of trucks and commercial vehicles.
- The fold and lockable hook is plastic coated, therefore are no hard or sharp edges, so neither vehicle nor cargo will be scratched during measurement.

Application benefits

- Easy to handle.
- Fast measurement of clear heights.
- Simple to transport.
- Trucks and cargo altimeter.

Specifications	TELEMAT
TELEMAT 3m	Model no. 18300001
Working range	84-300cm
Weight	1,150g
TELEMAT 4m	Model no. 18301001
Working range	121-400cm
Weight	1,500g
TELEMAT 5m	Model no. 18302001
Working range	125-500cm
Weight	1,700g
TELEMAT 5m with hook 70cm	Model no. 18305001
Working range	125-500cm
Weight	1,960g

Accessories

Telemat 5m with a folding hook 70cm on top, 18305001.

Products | Manhole cover lifter

NESTLE-manhole cover lifter

page 101

Manhole cover lifter-accessories

page 102

NESTLE manhole cover lifter

21000000

NESTLE

For easily lifting manhole covers

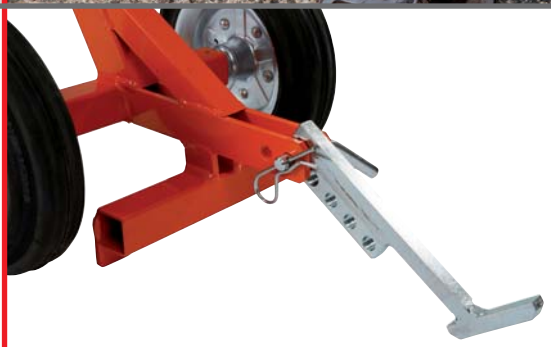
- Ergonomic device providing safety at work for everyone who has to lift manhole covers.
- For all kinds of manhole covers.
- Easy handling: Simply fit the hook into the cover´s notch to lift it.
- Telescopic handle for increasing leverage and minimizing efforts.
- Scope of delivery: Cover lifter, standard hook including attachment bolt.

Application benefits

Ideal for maintenance, road construction and sewer cleaning.

The manhole cover lifter is also highly useful for surveyors, who often have to measure sewer depths in topographical survey, e.g. for new buildings with connection to the sewage system.

Specifications	NESTLE-manhole cover lifter
Frame	Metal, orange powder coated
Wheels	Solid rubber, heavy duty
Weight	9,000g
Min- / Max. lever	98 - 148cm
Operating range	Cover till 150kg (loose sitting cover)



Accessories

We offer various hooks and an extension for the manhole cover lifter.

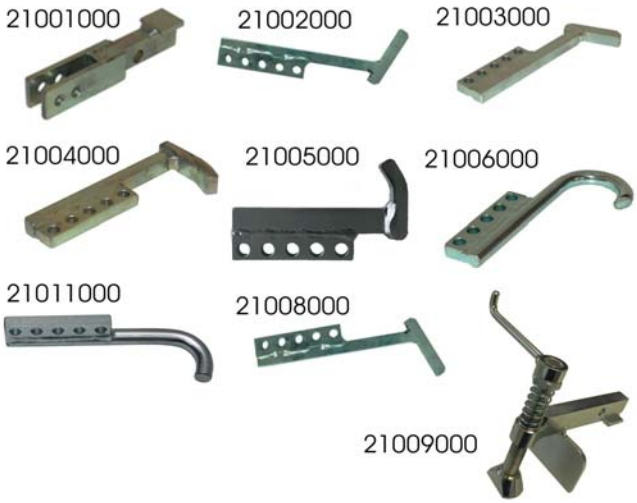
Manhole cover lifter - accessories

21001000 ...

NESTLE

Extension and hooks for manhole cover lifter

- Various hooks and an extension make the cover lifter adapted for almost all kinds of covers.
- Suitable for gasoline traps.
- Two different heavy duty hooks are available (15 x 15mm and 12 x 8mm).
- Furthermore, we offer two round hooks (normal, 90° angular).
- For centred notches we offer an extension.
- Extension, model no. 21001000.
- Heavy duty hook 15 x 15mm, model no. 21002000*.
- Heavy duty hook 12 x 8mm, model no. 21003000*.
- For gasoline traps, model no. 21004000*.
- Heavy duty hook 20 x 15 mm, model no. 21005000*.
- Heavy duty hook, round, model no. 21006000*.
- Heavy duty hook, round, 90° angular, short, model no. 21011000*.
- Standard hook, model no. 21008000.
- Welded hook, to lift up rain drainages, model no. 21009000*.



Application benefits

- High flexibility with hooks for all standard shaft covers.
- Hook for manhole cover lifter SET-7, model no. 21010000: Set consists of all * marked hooks including practical holder.

Specifications	Extension and hooks
Weight extension	1,000g
Weight hook	1,000 - 1,500g
Weight SET-7	4,500g

Accessories

For safeguarding your work with the cover lifter we offer:

- Traffic cone, 19807000.
- Warning pyramid, 19400001.

Products | Warning pyramids

NESTLE warning pyramid
luminous colour
page 104

NESTLE warning pyramid
retro-reflective
page 105

NESTLE warning pyramid
yellow
page 106

Warning lights + Traffic cones
page 107 - 108

NESTLE warning flags
page 109

NESTLE warning pyramids luminous colour

19000001 ...

NESTLE

Warning pyramid, luminous colour 70 / 90cm

- For safeguarding construction sites, survey work and signalling hazardous areas of all kinds.
- NESTLE warning pyramids are very versatile. You have the choice between the symbols !-mark (VZ101), construction worker (VZ123) and smoking cigarette. In addition you can choose out of more than 100 imprints which refer to specific dangers.
- The warning pyramid is available in 70cm and 90cm.
- You have the choice between warning pyramids light weight model with center column or heavy weight model with spring mechanism.
- Outside, the warning pyramids are exposed to changing weather-conditions. That is why the base frame of our warning pyramids is made of anodized aluminium or powder-coated steel (spring-model) to be resistant to rust and oxidation.
- The cover is made of durable, PVC-coated synthetic fabric in white, the triangle is printed in luminous red.
- All warning pyramids are equipped with a standardized adaptor and a carrying bracket. Thus, warning lamps and flashlights, signs or reflectors can easily be attached to the pyramid.

Application benefits

The warning pyramids manufactured without spring allows setting up the pyramid using only one hand.
Because of its construction without spring the warning pyramid is prevented from flying away like a parachute by wind gusts coming from passing cars by example. Our warning pyramid collapses, falls to the side and stays on the ground.
Delivery includes case for storage and transport.

Specifications	Warning Pyramids
70cm, VZ101	Model no. 19400001 / With spring: 19000001
70cm, VZ123	Model no. 19500001 / With spring: 19100001
70cm, smoking ban	Model no. 19600001 / With spring: 19200001
90cm, VZ101 warning pyramid	Model no. 19404001 / With spring: 19004001
90cm, VZ123	Model no. 19504001 / With spring: 19104001
90cm, smoking ban	Model no. 19604001 / With spring: 19204001
Weight 70cm warning pyramids	Ca. 1,700g / With spring mechanism 2,900g
Weight 90cm warning pyramids	Ca. 2,300g / With spring mechanism 3,400g

Accessories

An additional weight including hex-wrench is available for our warning pyramids. This provides for more stability in high wind or gusts caused by passing vehicles:
19900000: Additional weight 1,100g for warning pyramids with spring.
19901000: Additional weight 2,000g for warning pyramids with light frame.

The additional weight can be left attached to the pyramid for transport.

NESTLE warning pyramid retro-reflective

19002001 ...

NESTLE

Warning pyramid retro-reflective 70 / 90cm

- Warning pyramids with retro-reflecting cover offer at night the advantage of reflecting the light of oncoming cars. Perfect for us at night or in the dusk.
- For safeguarding construction sites, survey work and signalling hazardous areas of all kinds.
- NESTLE warning pyramids are very versatile. You have the choice between the symbols !-mark (VZ101), construction worker (VZ123) and smoking cigarette. In addition you can choose out of more than 100 imprints which refer to specific dangers.
- The warning pyramid is available in 70cm and 90cm.
- You have the choice between warning pyramids light weight model with center column or heavy weight model with spring mechanism.
- Outside, the warning pyramids are exposed to changing weather-conditions. That is why the base frame of our warning pyramids is made of anodized aluminium or powder-coated steel (spring-model) to be resistant to rust and oxidation.
- All warning pyramids are equipped with a standardized adaptor and a carrying bracket. Thus, warning lamps and flashlights, signs or reflectors can easily be attached to the pyramid.

MAGNETIC BASE: All warning pyramids without spring could be equipped with a removable magnetic base. The magnetic base has to be fixed at our factory. A subsequent modification of the pyramid is not possible. With the magnetic base a warning pyramid can be placed securely onto the roof of a car. Additional rubber covers surrounding the magnet and the tips prevent from damages and scratches.

Application benefits

- More Protection for worker and passer-by at construction sites, at survey works and other dangerous situations.
- Especially for use at night or in the dusk.
- The construction allows setting up the pyramid using only one hand (Model without spring)

magnetic base

Specifications	Warning pyramids retro-reflective
70cm, VZ101 warning pyramid	Model no. 19402001 / With spring: 19002001
70cm, VZ123	Model no. 19502001 / With spring: 19102001
70cm, smoking ban	Model no. 19602001 / With spring: 19202001
90cm, VZ101 (Achtung)	Model no. 19406001 / With spring: 19006001
90cm, VZ123	Model no. 19506001 / With spring: 19106001
90cm, smoking ban	Model no. 19606001 / With spring: 19206001
Magnetic base	Model no. 19905000
Weight 70cm-warning pyramids	Ca. 1,700g / With spring mechanism 2,900g
Weight 90cm-warning pyramids	Ca. 2,300g / With spring mechanism 3,400g

Accessories

We offer warning lamps attachable to our pyramids. (See page 107).
Available as LED or bulb version including adaptor and wrench.

- Warning lamp StarLED, 19902000.
- Warning lamp Optima2001, 19903000.
- High-capacity battery for warning lamps, 19904000.

NESTLE warning pyramid yellow

19001001 ...

Warning pyramid yellow 70 / 90cm

- Warning pyramids with yellow cover and normal red triangle or retro-reflecting yellow cover and luminous red triangle.
- For safeguarding construction sites, survey work and signalling hazardous areas of all kinds.
- NESTLE warning pyramids are very versatile. You have the choice between the symbols !-mark (VZ101), construction worker (VZ123) and smoking cigarette. In addition you can choose out of more than 100 imprints which refer to specific dangers.
- The warning pyramid is available in 70cm and 90cm.
- You have the choice between warning pyramids light weight model with center column or heavy weight model with spring mechanism.
- Outside, the warning pyramids are exposed to changing weather-conditions. That is why the base frame of our warning pyramids is made of anodized aluminium or powder-coated steel (spring-model) to be resistant to rust and oxidation.
- All warning pyramids are equipped with a standardized adaptor and a carrying bracket. Thus, warning lamps and flashlights, signs or reflectors can easily be attached to the pyramid.

Application benefits

- More Protection for worker and passer-by at construction sites, at survey works and other dangerous situations.
- The construction allows setting up the pyramid using only one hand (Model without spring)
- Neon yellow colour (retro-reflecting) has more conspicuity at daylight.
- The retro-reflective versions are especially suitable for use at night or in the dusk.

Specifications	Warning pyramide yellow
70cm, VZ101	Model no. 19401001 / With spring: 19001001 Retro-ref.: 19403001 / With spring: 19003001
70cm, VZ123	Model no. 19501001 / With spring: 19101001 Retro-ref.: 19503001 / With spring: 19103001
70cm, smoking ban	Model no. 19601001 / With spring: 19201001 Retro-ref.: 19603001 / With spring: 19203001
90cm, VZ101	Model no. 19405001 / With spring: 19005001 Retro-ref.: 19407001 / With spring: 19007001
90cm, VZ123	Model no. 19505001 / With spring: 19105001 Retro-ref.: 19507001 / With spring: 19107001
90cm, smoking ban	Model no. 19605001 / With spring: 19205001 Retro-ref.: 19607001 / With spring: 19207001
Weight 70cm- warning pyramids	Ca. 1,700g / With spring mechanism 2,900g
Weight 90cm- warning pyramids	Ca. 2,300g / With spring mechanism 3,400g

Accessories

All our warning pyramids are delivered including a protective bag.
This allows space-saving and convenient transport.
Model no. 19907000 flag mount for warning pyramid. All NESTLE warning pyramids can be equipped with a flag mount for two warning flags
(see page 109).

NESTLE warning light

19810000, 19902000

Warning light 9 in 1

- Specifically designed for emergency situations, especially in the dark, in the rain, fog and smoke.
- Increase your safety through improved visibility.
- 9 possible LED sequences.
- Possible to fix with magnet or strap.

Warning light available in different colours:
- red, model no. 19810000
- yellow, model no. 19812000

Warning light rechargeable, incl. charger:
- orange, model no. 19818000
- orange, 6 pcs. in case, model no. 19813000

Plummet hook butler, model no. 19819000
By the butler you attach warning lights with magnetic easy and secure at the plummet-hook of your tripod which increase the visibility and safety of your tripod.

Application benefits

Warning light:
- 360° light with 16 LED sequences.
- With strong magnet.
- Shock, vibration and water resistant.
- At night visible far.

Specification	LED warning light
Warning light	
Dimension	Ø 130mm x 35mm
Weight	200g
Warning light StarLED / Optima 2001	
Blinking rate	Approx. 60/min.
Dimension	195 x 120 x 335mm
Weight with battery	1,100g

19902000 19903000

Worksite warning light

Warning light Optima 2001, model no. 19903000
- Continuous and flashing light switch.
- Change battery without removing the light.
- Include adapter and wrench.

Warning light StarLED, model no. 19902000
- Durable high end work-site light.
- Continuous and flashing light switch.
- Change battery without removing the light.
- Include adapter and wrench.

1 high capacity battery for work-site warning light, model no. 19904000

Traffic cones

19806000, 19807000

NESTLE

Traffic cones 32cm, 50cm

- Entirely made of plasticized PVC, weatherproof and unbreakable.
- Stable enough to withstand wind gusts from cars passing by.
- The daylight luminous red paint provides for best visibility even at large distances.

Application benefits

Advance warning of hazards and dangers for road construction, survey, construction sites and scenes of accidents.

Specifications	Traffic cones
Material	Plasticized PVC
Height	32cm
Colour	Daylight luminous red / white
Weight	500g
Model no.	19806000
Material	Plasticized PVC
Height	50cm
Colour	Daylight luminous red / white
Weight	1,150g
Model no.	19807000

Accessories

Besides traffic cones we offer warning pyramids at 70 and 90cm side length, in daylight luminous or retro-reflective colour available with various imprints on request.

NESTLE warning flags

19802000, ...3000, ...4000, ...5000

NESTLE

For safeguarding and signalling

- NESTLE warning flags provide for a flexible solution to safeguard scenes of accidents, construction sites or hazardous areas.
- The warning flags can easily be attached to snow ploughs.
- Tearproof textile.

Application benefits

Safeguarding and signalling for forestry and municipal works.

Specifications	NESTLE- warning flags
Model no. 19802000	50 x 50cm, wooden stick 80cm, Ø 21mm
Colour	white/orange/white
	VPE 40 pieces
Model no. 19803000	75 x 75cm, wooden stick 100cm, Ø 21mm
Colour	white/orange/white
	VPE 20 pieces
Model no. 19804000	50 x 50cm, wooden stick 80cm, Ø 21mm
Colour	white/red/white
	VPE 40 pieces
Model no. 19805000	75 x 75cm, wooden stick 100cm, Ø 21mm
Colour	white/red/white
	VPE 20 pieces

Accessories

We offer warning pyramids, flag mount for warning pyramids and traffic cones.
Model no. 19907000 flag mount for warning pyramid. All NESTLE warning pyramids can be equipped with flag mount for 2 warning flags.

On construction sites or in surveying: Safety accessories from NESTLE always keep you on the safe side!

Products | Theodolites

NESTLE BC-7
Mechanical theodolite
page 111

NESTLE DT-405/L
Electronic theodolites
page 112

GEOMAX Zipp02
Digital theodolite
page 113

NESTLE BC-7

15105000

NESTLE

Mechanical theodolite

- Telescope with 28x magnification and outstanding optics.
- Optical plummet for exact positioning.
- Tubular and circular bubble level for quick adjustment.
- Adjustable horizontal circle prevents from calculation errors and saves time when calculating angle differences.

Application benefits

- Any application of a level.
- Marking on construction sites.
- Alignment for building construction.
- Plumbing down elevated points.
- Definition of slopes and inclinations for road construction.

Specifications	BC-7
Magnification	28x
Objective aperture	40mm
Shortest focus	2m
Multiplication constant	100
Addition constant	0
Reading horizontal/vertical	0.02gon
Accuracy	6" (2.8mm @ 100m)
Accuracy of bubble tube	30" / 2mm
Optical plummet	2x
Weight	3,100g

Accessories

Besides our theodolites we offer you a wide variety of accessories for any kind of survey work. Especially our wooden tripods are best choice for working with theodolites or total stations.

NESTLE DT-405 / DT-405 L

15103000, 15104000

NESTLE

Electronic theodolite with optical plummet or laser plummet

The DT-400 Series is an electronic theodolite with digital angle measurement unit.

- The Theodolite is appropriate for measurements in the field of surveying, railway, construction, mining and engineering.
- Optionally with optical or laser plummet.
- Equipped with tubular and circular bubble for quick levelling up.
- Switchable between Grad, GON and MIL.
- Scope of delivery: Instrument, manual, battery charger, battery, battery compartment for 4 x AA batteries, tool kit, rain cover, transport case with carrying strap, tripod.

Application benefits

- Display on two sides for easy reading of the angular values.
- Large and easy to read numbers on the display.
- Inclusive tribrach.
- Integrated function for checking and adjustment in the field.

Specifications	DT-405 / DT-405L
Protection class / Laser class	IP54 / 2
Dimension	153 x 175 x 340mm
Weight	4,300g
Magnification	30
Accuracy angle	5''
Accuracy laser plummet	± 1.0mm / 1.5mm (only 15104000)
Lens aperture	Ø 45mm
Shortest focussing distance	Approx. 100cm
Operating temperature	-20°C to +50°C

Accessories

Besides the Instrument, we offer a complete range of accessories. Of particular note are our wooden tripods.

For steep sights an eyepiece with bayonet lock is available for DT-405L and DT-405L, model no. 15902000.

The eyepiece is compatible to Leica theodolites.

GEOMAX Digital Theodolite Zipp02

27011000

NESTLE

Digital theodolite

- With vertical compensation and 2" accuracy Zipp02 supplies for your most demanding tasks, the accuracy required - inexpensive and without complexity.
- Various display modes, zero hold and set for horizontal angle, a choice of measurement units, simple distance measurement with stadia lines, and all with just six buttons easily to use.
- The visible laser plummet makes positioning over a point easily and faster than ever before.
- Zipp02 is the tool for angle controls, orientations, inclinations and short levelling.

Application benefits

- All application of a level
- Ideal for setting out and aligning (vertically and horizontally)
- Determination of inclines and declines in road construction
- Visible laser plummet
- With 2" angle accuracy for demanding tasks

Specifications	Theodolit Zipp02
Magnification	30 times
Display	Both sides
Angular accuracy	2"
Lens aperture	45mm
Shortest focusing disance	1.35m
Multiplication constant	100
Addition constant	0
Lot	Laser plummet, visible
Working temperaure	-20°C to +50°C
Environmental conditions	Dust- and waterproof, IP54
Power supply	Chargeable NiMH, alkaline battery pack replacement
Weight with battery and tripod	4,500g

Accessories

- For theodolites we offer the complete range of accessories that you need.
- Of particular note are our wooden tripods. See page 29-32.
- For Zipp02 a diagonal eyepiece for steep sights is available, model no. 15901000.

Products | Digital level

GEOMAX Digital level
ZDL700
page 115

GEOMAX Digital levels ZDL700

27010000

NESTLE

Digital = simply + exactly + fast

- Extensive field tests confirmed the excellent accuracy of ZDL700 – double run line of 0.7mm at 1km. So that ZDL700 is the ideal levelling system not only for demanding levelling but also deformation measurements and precise field survey and the general use in construction.
- Extensive internal calculation programs.
- Patented magnetically damped pendulum compensator for highly accurate measurement results.
- Even in low light or bright sunshine. Even in total darkness you can with a flashlight further perform accurate measurements.

- For high-precision measurement campaigns, we offer an one-piece levelling staff of fibreglass with a length of 3m, standard deviation of 0.7mm per 1km double run, front with barcode, back with graduated scale.
- For the standard levelling, we offer a 5m long, four-piece aluminium telescopic levelling staff with standard deviation of 2mm per 1km double run, front with barcode, back with graduated scale.

Application benefits

- Fast measuring > 3s.
- Superior precision for high-precision levelling.
- No error while recording the measurements - the measurements are stored digitally.
- Convenient Data Transmission for further processing on the PC.

Specifications	ZDL700
Magnification	24 times
Compensator	± 10″
Accuracy	± 0.7mm / km
Range	2m to 105m
Memory, interface	2,000 measurements, RS232
Power supply	4 x LR6/AA 1.5V, for >14 hours long measure
Weight	2,500g
Protection class	IP55
Working / storage temperature	-10°C to +50°C / -40°C to +70°C

Accessories

- Especially for high-precision levelling, we recommend tripods from Gottlieb NESTLE.

- Barcode levelling staff ZSF 301, fibreglass, 3m, model no. 27022000
- Barcode levelling staff GSS 111, standard, 5m, model no. 27023000

Products | Automatic levels

Products | Automatic levels

NESTLE NAL
Automatic levels
page 118

NESTLE NLS
Automatic levels
page 119

GEOMAX ZAL100 Series
Levels for the construction industry
page 120

GEOMAX ZAL200 Series
Levels for the construction industry
page 121

GEOMAX ZAL300 Series
Levels for construction and engineering
page 122

NESTLE NAL series

15000001...

NESTLE

Automatic levels

The NESTLE NAL series is designed for building construction applications:

- Available with 20x, 24x, 28x and 32x magnification.
- Measurement of height differences between points.
- Distance measurement via stadia lines.
- Height layout.
- Horizontal angle measurement.
- Air-dampened compensator for fine adjustment.
- All operating elements are positioned conveniently.
- Casing sealed according to protection class IP54 for protection against splash and dust.
- Aluminium body, casing cover and control knobs made of plastics.

- **NAL 20** with 20x magnification, model no. 15000001.
- **NAL 24** with 24x magnification, model no. 15002001.
- **NAL 28** with 28x magnification, model no. 15004001.
- **NAL 32** with 32x magnification, model no. 15006001.

- Scope of delivery: NAL level, plumb bob, adjustment tools, manual, case.

Application benefits

- Solid and precise with ideal price-performance ratio.
- Brilliant optics and excellent mechanical quality.

Specifications	NESTLE NAL series
Objective aperture	40mm
Compensator	Air-dampened
Horizontal circle	400gon
Accuracy / 1km double run	NAL20: ± 2.5mm / NAL24: ± 2.0mm
_	NAL28: ± 1.5mm / NAL32: ± 1.0mm
Multiplication constant	100
Shortest focus	0.65m
Vial	8' / 2mm
Dimensions / Weight	190 x 140 x 150mm / 1,600g
Protection class	P54

Accessories

The NAL levels are available with aluminium tripod (model 13000000) and 5m levelling staff (with bag and circular vial, model no. 18203000).

- **NAL 20 set:** model no. 15001001.
- **NAL 24 set:** model no. 15003001.
- **NAL 28 set:** model no. 15005001.
- **NAL 32 set:** model no. 15007001.

Bag for levelling set see page 145.

NESTLE NLS series

15008001...

NESTLE

Automatic levels

The NESTLE NLS series is designed for building construction and precision levelling:

- Available with 20x, 24x and 32x magnification.
- Measurement of height differences between points.
- Distance measurement via stadia lines.
- Height layout.
- Horizontal angle measurement.
- Magnet-dampened compensator for fine adjustment.
- All operating elements are positioned conveniently.
- Casing sealed according to protection class IP65 for protection against splash and dust.
- Aluminium body, casing cover and control knobs made of plastics.

- **NLS 20** with 20x magnification, model no. 15008001.
- **NLS 24** with 24x magnification, model no. 15010001.
- **NLS 32** with 32x magnification, model no. 15012001.

Scope of delivery: NLS level, plumb bob, adjustment tools, manual, case.

Application benefits

- Superior optics.
- High quality manufacturing.

Specifications	NESTLE NLS series
Objective aperture	NLS20: 32mm / NLS24: 36mm / NLS32: 42mm
Compensator	Magnet dampened
Horizontal circle	400gon
Accuracy / 1km double run	NLS20: ± 2.5mm / NLS24: ± 2.00mm NLS32: ± 1.0mm
Multiplication constant	100
Shortest focus	Approx. 0.65m
Vial	8' / 2mm
Dimensions	220 x 140 x 150mm
Weight	1,700g
Protection class	IP65

Accessories

The NLS levels are available with aluminium tripod (model no. 13100000) and 5m levelling staff (with bag and circular vial, model no. 18203000).

- **NLS 20 set:** model no. 15009001.
- **NLS 24 set:** model no. 15011001.
- **NLS 32 set:** model no. 15013001.

Bag for levelling set see page 145.

GEOMAX levels ZAL100 series

27000000...

NESTLE

Levels for the construction industry

- Levels of series ZAL100 are suitable for easy levelling at all sites in the interior and exterior.
- Three different magnifications.
- With reference circle for horizontal angle measurements.
- With stadia lines for optical distance measurement and simple terrain surveys.
- Stakeout heights.
- Automatic compensation by air-damped compensator.

- **ZAL120** with 20x magnification, model no. 27000000
- **ZAL124** with 24x magnification, model no. 27001000
- **ZAL132** with 32x magnification, model no. 27002000

Application benefits

- Ergonomic two-side endless fine drive.
- Robust and accurate for your daily tasks in the construction sector.
- Sealed housing according to protection class IP54.

Specifications	ZAL120 / ZAL124 / ZAL132
Magnification	ZAL120: 20x / ZAL124: 24x / ZAL132: 32x
Field of view	< 2.1m at 100m
Compensator	Air-damped
Circle Graduation / Interval	360° / 1°
Standard deviation for 1km double levelling ISO17123-2	ZAL120: 2.5mm / ZAL124: 2.0mm / ZAL132: 2.0mm
Working range	±15'
Multiplicat. / Additive const.	100 / 0
Stadia lines	Yes
Shortest target distance	< 1m
Circular vial	8' / 2mm
Weight	1,500g
Protection	IP54
Working Temp.	-20°C to +40°C

Accessories

Each ZAL100 levels are available with an aluminum tripod (light version model no. 1310021) and a 5m telescopic levelling staff (including bag and circular vial, model no. 18203000).

- GEOMAX ZAL120-set: model no. 27012000
- GEOMAX ZAL124-set: model no. 27013000
- GEOMAX ZAL132-set: model no. 27014000

Bag for levelling set see page 145.

GEOMAX levels ZAL200 series

27003000 ...

NESTLE

Levels for the construction industry

- Levels of series ZAL200 are suitable for easy levelling at all sites in the interior and exterior.
- The ZAL200 series corresponds substantially to the ZAL100 series. The ZAL200 instruments have a higher water protection class IP56 and the best air-damped compensator in this instrument class.
- Three different magnifications.
- With reference circle for horizontal angle measurements.
- With stadia lines for optical distance measurement and simple terrain surveys.
- Stakeout heights.
- Automatic compensation by air-damped compensator.

- **ZAL220** with 20x magnification, model no. 27003000
- **ZAL224** with 24x magnification, model no. 27004000
- **ZAL232** with 32x magnification, model no. 27005000

Application benefits

- Ergonomic two-side endless fine drive.
- Robust and accurate for your daily tasks in the construction sector.
- Sealed housing according to protection class IP56.

Specifications	ZAL220 / ZAL224 / ZAL232
Magnification	ZAL220: 20x / ZAL224: 24x / ZAL232: 32x
Field of view	< 2.1m at 100m
Compensator	Air-damped
Circle Graduation / Interval	360° / 1°
Standard deviation for 1km double levelling ISO17123-2	ZAL220: 2.5mm / ZAL224: 2mm / ZAL232: 1.9mm
Working range	±15'
Multiplicat. / Additive const.	100 / 0
Stadia lines	Yes
Shortest target distance	< 1m
Circular vial	8' / 2mm
Weight	1,500g
Protection	IP56
Working Temp.	-20°C to +40°C

Accessories

Each ZAL200 levels are available with an aluminum tripod (light version model no. 1310021) and a 5m telescopic levelling staff (including bag and circular vial, model no. 18203000).

- GEOMAX ZAL220-set: model no. 27015000
- GEOMAX ZAL224-set: model no. 27016000
- GEOMAX ZAL232-set: model no. 27017000

Bag for levelling set see page 145.

GEOMAX levels ZAL300 series

27006000 ...

NESTLE

Automatic levels for construction and engineering

- From the daily works to high accuracy requirements - the ZAL300 series is your first choice for durability, comfort and accuracy.
- Four different magnifications. (20x, 24x, 28x and 30x).
- The best-in-class optics in ZAL300 and MAGNEX™ compensator are housed in a sealed and shockproof housing. Thus, the instruments are insensitive to shocks and all weather conditions.
- The circle has a 360° and 400gon reading for horizontal angle measurements.
- With stadia lines for optical distance measurement and simple terrain surveys.

- **ZAL320** with 20x magnification, model no. 27006000
- **ZAL324** with 24x magnification, model no. 27007000
- **ZAL328** with 28x magnification, model no. 27008000
- **ZAL330** with 30x magnification, model no. 27009000

Application benefits

- Ergonomic two-sided endless fine drive.
- Robust and accurate for your daily tasks in construction and engineering.
- Protection class IP57 with gas-filled telescope.

Specifications	ZAL320 / ZAL324 / ZAL328 / ZAL330
Magnification	ZAL320: 20x / ZAL324: 24x / ZAL328: 28x / ZAL330: 30x
Objective aperture	ZAL320+324: 30mm / ZAL328: 36mm / ZAL330: 40mm
Compensator	Automatic, magnetic-damped, patented magneX™
Circle Graduation / Interval	360° and 400gon / 1°, 1gon
Standard deviation for 1km double levelling ISO17123-2	ZAL320: 2.5mm / ZAL324: 2.0mm / ZAL328: 1.5mm / ZAL330: 1.2mm
Working range	±15'
Multiplicat. / Additive const.	100 / 0
Stadia lines	Yes
Shortest target distance	ZAL320 + 324: 0.6m / ZAL328 + 330: 0.8m
Circular vial	10' / 2 mm
Weight	ZAL320 + 324: 1,600g / ZAL328 + 330: 1,700g
Protection	IP57
Working Temp.	-20°C to +50°C

Accessories

Each ZAL300 levels are available with an aluminum tripod (light version model no. 1310021) and a 5m telescopic levelling staff (including bag and circular vial, model no. 18203000).

- GEOMAX ZAL320-set: model no. 27018000
- GEOMAX ZAL324-set: model no. 27019000
- GEOMAX ZAL328-set: model no. 27020000
- GEOMAX ZAL330-set: model no. 27021000

Bag for levelling set see page 145.

Products | Clamp holder

NESTLE clamp holder

Clamp holder for theodolites

page 124

NESTLE Clamp holder

13907000

NESTLE

Clamp holder for theodolites

- NESTLE clamp holder for easily positioning theodolites directly on the pins of batter boards.
- The clamp holder is fixed by clamp screws right over the pin by using a guideway aperture.
- The theodolite can be positioned perpendicular above the pin on the 5/8" head plate.

Application benefits

Alignment of axes in building construction using batter boards.

Specifications	NESTLE clamp holder
Thread	5/8"
Dimensions	210 x 150 x 120mm
Weight	2,000g

Accessoires

NESTLE offers a wide range of products for survey work in the building and construction industry: Theodolites, automatic levels, premium aluminium, wooden and elevating tripods for highest demands.

Products | Prism and GNSS poles

Products | Prism and GNSS poles

NESTLE Mini-prism poles

page 127

NESTLE MIDI-prism poles

page 128

NESTLE prism pole
srew clamp, 130-215cm

page 129

NESTLE prism pole
button clamp, 130-215cm

page 130

NESTLE Robotic pole,
260 PR-1

page 131

NESTLE Combi pole
350 PK-1

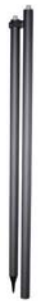
page 132

NESTLE Carbon GNSS pole

page 133

NESTLE GNSS pole
PS-9

page 134



NESTLE Carbon GNSS pole
two-segment

page 135

NESTLE Extensions
for prism poles

page 136

Prism accessories

page 137

NESTLE Bipod

page 138

NESTLE Mini bipod

page 139

NESTLE prism pole-/ GNSS-
accessories

page 140

NESTLE Mini-prism poles

14000000, 14001000

NESTLE

Mini-prism pole with 5/8 inch / Wild-connection

- With the mini poles the prism can be positioned closely above the measuring point. The error caused by a slightly misaligned bubble level is minimized in comparison to using standard prism poles.
- Ideal for use under dense growth or for batter board measurements.
- Solid all-metal construction, with adjustable level.

- **PN-2, model no. 14000000,** 5/8" inch-connection, hard metal tip.

- **PN-3 model no. 14001000,** Wild-connection, high-grade metal tip.

Application benefits

- Construction and cadastral survey.
- Suitable for batter board measurements.

Specifications	NESTLE Mini-prism poles
14000000	5/8"-connection
Weight	160g
14001000	Wild- / Leica-connection
Weight	320g

Accessories

Mini prism pole with Wild- / Leica-connection.

Model no. 14001000.

NESTLE MIDI-prism poles

14002000, 14003000

NESTLE

MIDI-prism poles with 5/8 inch / Wild-connection

- Ideal for precise measurements when space is limited, e.g. underneath growth or roofings.
- With its working range of 50-80cm the MIDI pole allows for prisms to be positioned closer to the measuring point than with standard-sized prism poles. Therefore, the resulting error caused by slightly non-perpendicular positioning is minimized.
- Low weight and low size for convenient and space-saving transport.
- Tip made of aluminium with hard metal-steel element. The hard metal steel tip is force-fitted into the pole and shows no abrasion even after years of hard use.

- **PD-2, model no.14002000** for 5/8"-connection.

- **PD-3, model no. 14003000** for Wild- / Leica-connection.

Application benefits

- Construction and cadastral survey.
- For perpendicular positioning the prism when space is limited.

Specifications	NESTLE MIDI-prism poles
Clamping	Screw clamp
Working range	50 - 80cm
Weight	400g
	14002000: 5/8"
	14003000: Wild / Leica

Accessoires

Especially for our MIDI-poles we offer a „mini" pole support tripod: Model no. 11900000.

NESTLE prism pole, screw clamp, 130-215cm

14004000

NESTLE

Universal-prism pole PA-1-S

- Our prism poles are very easy to use. Extend the prism pole to the desired height with one hand and use the other hand to fix it with the clamping screw.

Our prism poles set standards for durability:

- Inner and outer tube are resistant to any weather influences.
- The imprint is done with a scuff proof patent laser engraving.
- Shock absorbing inner tube - protects rod and prism.
- Tip made of aluminium with Hard metal steel element. The Hard metal steel tip is force-fitted into the pole and shows no abrasion even after years of hard use.
- Included in the scope of delivery is an adaptor which aligns the prism tilt axis height (Leica, Sokkia, Zeiss) to the pole´s graduation.

Just indicate the type of prism you use with your order.

Application benefits

- For construction and cadastral survey.

Specifications	NESTLE universal-prism pole
Clamping	Screw clamping
Working range	130-215cm
Weight	800g
Adaptor	included

Accessories

We also offer bipods, pole support tripods and prisms.

- Bipod, model no. 14950000.
- Pole support tripod, model no. 11901000.
- Prism, model no. 14100000.

NESTLE prism pole, button clamp, 130-215cm

14005000, 14014000

NESTLE

Universal-prism pole

- Our prism poles are very easy to use. Extend the prism pole to the desired height with one hand and use the other hand to fix it with the clamping button.

Our prism poles set standards for durability:
- Inner and outer tube are resistant to any weather influences.
- The imprint is done with a scuff proof patent laser engraving.
- Tip made of high-grade steel.
- Included in the scope of delivery is an adaptor which aligns the prism tilt axis height (Leica, Sokkia, Zeiss) to the pole´s graduation.

Just indicate the type of prism you use with your order.

Application benefits

- For construction and cadastral survey.

Specifications	NESTLE Universal-pole
PA-1-D, model no. 14005000	
Clamping	Button clamping
Working range	130-215cm
Weight	800g
Adaptor	Included
PA-3-D, model no. 14014000	
Adaptor	Leica/Wild fixed

Accessories

The prism pole is available with fixed Leica / Wild adaptor and hard metal-Tip:
- Model no. 14014000.

NESTLE Robotic pole 260 PR-1

14032000

NESTLE

Prism pole with carbon outer tube

- Carbon prism pole for surveying of all kinds in the construction and cadastre sector.
- Carbon outer tube. The carbon ensures a pleasant handling even at low temperatures.
- Tip made of hard metal.
- The scale is indestructible and written with a patented laser engraving.
- Inner tube shock-absorbing - protects prism and pole.
- With pin locking feature - to secure the pole when using heavy prisms or GNSS antennas (1.60m, 1.80m, 2.00m, 2.20m, 2.40m).
- Clamping effects on the entire circumference of the inner tube - the inner tube remains so exactly in the middle.
- Included in delivery is one adapter. This allows the scale offset to be adjusted to the tilt axis dimension of your prism. (Just indicate the type of prism you use with your order)
- For GNSS measurements you will optionally receive the adapter model no. 14934000. This will bring the scale offset to zero, as is usual with GNSS antennas.

Application benefits

- Carbon for pleasant work, even at low temperatures.
- The additional pin locking feature keep heavy prisms or antenna exactly at the height.

Specifications	NESTLE carbon pole PR-1
Clamping	Screw clamping
Diameter	Outer tube 32mm, inner tube 25mm
Working range	150 - 260cm
Transport length	135cm
Weight	900g
Connection	Female M12 with one adapter
Special Feature	5 Pin locking positions

Accessories

- GNSS adaptor, model no. 14934000.

NESTLE Combi pole 350 PK-1

14031000

NESTLE

Double telescopic pole made of carbon

- Prisms and antenna pole for surveying of all kinds in the construction and cadastral sector.
- Simplest operation: Set up the right height with one hand, clamp with the other hand.
- With a height of up to 3.50m, the pole is ideally suited for measurements in hilly areas or in built-up and heavily vegetated terrain.
- Inner tube shock-absorbing - Protects prism or antenna and pole.
- Included in delivery is one adapter. This allows the scale offset to be adjusted to the tilt axis dimension of your prism.
- For GNSS measurements there is the optionally adapter 14934000. This will bring the scale offset to zero, as is usual with GNSS antennas.

Just indicate the type of prism you use with your order.

Application benefits

- Carbon for pleasant work, even at low temperatures
- Maximum working height 3.50m

Specifications	NESTLE carbon pole PK-1
Clamping	Screw clamping
Diameter	Outer tube 32mm, inner tube 25/18mm
Working range	151 - 365cm
Transport length	138cm
Weight	1,300g
Connection	Female M12 with one adapter
Special Feature	Double telescopic

Accessories

We also offer bipods, pole support tripods and prisms.

- Bipod, model no. 14950000.
- Pole support tripod, model no.11901000.
- Prism, model no.14100000.

NESTLE Carbon GNSS pole

14028000, 14030000

NESTLE

Carbon GNSS pole, telescopic PG-2 & PG-5

- For all kinds of GNSS measurements.
- Carbon outer and inner tube - comfortable handling even at low temperatures.
- Tip made of hard metal steel.
- The pole is telescopic with locking at 1.60m, 1.80m, 2.00m.
- For ergonomic work, both poles have a outer tube with 132cm, so you can mount field computers in a comfortable working height.
- The screwable sand plate prevents the sinking of the pole during surveying and stakeouts. Can be used for exact centering e.g. be screwed upside down to the tip.
- PG-2 model no. 14028000 without screwable sand plate.
- PG-5 model no. 14030000 with screwable sand plate.

Application benefits

- Carbon for pleasant work, even at low temperatures
- The tip does not wear out - thus no falsification of the measurements by blunt tips.
- Long outer tube for ergonomic work.
- Convenient to transport and clean.

Specifications	Carbon GNSS pole PG-2 & PG-5
Clamping	Screw
Diameter	Outer tube 32mm, inner tube 25mm
Working range	Locking at 1.60m / 1.80m / 2.00m
Transport length	134cm
Weight	PG-2 700g / PG-5 730g
Connection	5/8"
Special Feature	Carbon-carbon, telescopic, triple locking latch

Accessories

We also offer for GNSS survey:

- A large number of field computer holder. See page 140.
- Bag model no. 14944000 for prism pole model no. 14004000, model no. 14005000, model no. 14014000.

NESTLE Carbon GNSS pole PS-9

14023000

NESTLE

Light, narrow antenna pole for surveying

- Due to its particularly low weight PS-9 is suitable for GIS application, but also for all other measurements with lightweight antennas.
- Outer tube, Ø 25mm, and inner tube Ø 20mm are made of carbon.
- With a quick release, the pole can be telescoped easily and quickly.
- The upper 5/8"connection can be quickly removed from the rod with a push-button (Quick-out), so a particularly flexible and fast work is possible.

Application benefits

- Carbon for pleasant work, even at low temperatures.
- Quick-out with 5/8"
- Light and narrow.
- Excellent for applications in the GIS area.

Specifications	Carbon GNSS pole PS-9
Clamping	Quick release clamp
Diameter	Outer tube 25mm, inner tube 20mm
Working range	115cm - 200cm
Transport length	117cm
Graduation	160, 180, 200m
Weight	480g
Connection	5/8" with Quick-out
Special Feature	Light, narrow, Quick-out

Accessories

Please also note our two-part and telescopic antenna poles.

NESTLE GNSS pole

14010000 / 14011000

NESTLE

Carbon GNSS pole

- The two-piece GNSS pole is ideal whenever many measurements are needed for a survey job.
- Because of its amazingly low weight, the pole - even with an antenna fixed to it - requires low effort to be carried.
- The lower part of the pole is equipped with a circular level which makes vertical positioning easy.
- The hard metal-steel tip is force-fitted into the pole and shows no abrasion even after years of hard use.
- The carbon offers convenient handling - even at low temperatures.
- The pole can be split in two segments. This makes space saving transport easy. A carrying bag is included in the scope of delivery.
- When required, the pole can be lengthened meter-wise by additional upper segments.
- Version 14017000 with scale in the foot area up to 60cm. On the foot-scale, the sinking depth of the pole can be read quickly when measuring in soft ground and be corrected accordingly.

PP-2, model no. 14010000, two-segment GNSS pole.
PP-2-H, model no. 14011000, two-segment GNSS pole with cable guide holes.
PP-2-F, model no. 14017000, two-segment GNSS pole with foot-scale.

Application benefits

- Easy handling.
- Low effort by low weight.
- The hard metal-tip has no abrasion - no falsification of measurement by dulled tips.

Specifications	NESTLE GNSS pole
Connection	5/8"
Height	200cm (2 x 1.00m)
Weight	520g
Pole diameter	32mm

Accessories

In the version 14011000 has the upper segment two cable guiding holes with rubber sleeves to accommodate the antenna cable.

Extensions for prism poles

14900000,..1000,..2000,..3000

NESTLE

Extension 0.5m / 1.0m

- For extending NESTLE prism poles about 0.5m / 1.00m.
- Simply screw or plug it on the pole.

Application benefits

For construction and cadastral survey, when extending the pole is needed due to obstacles or height differences.

Specifications	Extensions
PE-210 model no. 14902000	100cm, 5/8" - 5/8"
PE-310 model no. 14903000	100cm, Leica - Leica
PE-25 model no. 14900000	50cm, 5/8" - 5/8"
PE-35 model no. 14901000	50cm, Leica - Leica
PE-23 model no. 14941000	30cm, 5/8" - 5/8"
PE-33 model no. 14942000	30cm, Leica - Leica
PE-21 model no. 14939000	10cm, 5/8" - 5/8"
PE-31 model no. 14940000	10cm, Leica - Leica

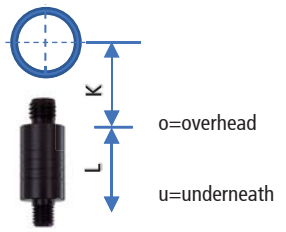
Accessories

We also offer bipods, pole support tripods and prisms.

- Bipod, model no. 14950000.
- Pole support tripod, model no. 11901000.
- Prism, model no. 14100000.

NESTLE Prism pole accessories

14920000 ...



L [mm], Type underneath – Type overhead
Tilt axis K = [mm]

L = 30 mm, u = Pin – o=5/8″
K = –,
Model no. 14920000

L = 18 mm, u = 5/8″ – o = Pin
K = –,
Model no. 14921000

L = 90 mm, u = M12 – o = 1/4″
K = 50 mm, Miniprism
Model no. 14922000

L= 18 mm, u = M12 - o = 5/8″
K=
Model no. 14923000

L = 40 mm, u = M12 – o = Pin
K = 100 mm
Model no. 14924000

L = 40 mm, u = M12 – o = 5/8″
K = 100 mm
Model no. 14925000

L = 25 mm, u = M12 – o = 5/8″
K = 115 mm
Model no. 14926000

L = 30 mm, u = M12 – o = 5/8″
K = 110 mm
Model no. 14927000

L = 58 mm, u = M12 – o = 5/8″
K = 82 mm
Model no. 14928000

L = 43 mm, u = M12 – o = 5/8″
K = 97 mm
Model no. 14929000

L = 62 mm, u = M12 – o = 5/8″
K = 78 mm
Model no. 14930000

L = 15 mm, u = M12 – o = 5/8″
K = 125 mm
Model no. 14931000

L = 6 mm, u = M12 – o = 5/8″
K = 134 mm
Model no. 14932000

L = -- mm, u = M12 – o = 5/8″
K = --
Model no. 14933000

L = 140 mm, u = M12 – o = 5/8“
K = 0 mm (GPS)
Model no. 14934000

L = 100 mm, u = Pin – o = 5/8″
K = ---
Model no. 14935000

L = 90 mm, u = M12 – o = 5/8″
K = 50 mm
Model no. 14946000

5/8″ – 5/8″ **Model no. 14955000** L = 50
Model no. 14937000 L = 27
Model no. 14939000 L = 100

L = 67,5 mm, u = M12 – o = M8
for NESTLE Scan sphere
Model no. 14209000

NESTLE Bipod

14950000

NESTLE

Light, narrow antenna pole for surveying

- For exact positioning and alignment of all prism and antenna poles, use a bipod. For precise measurements, even in rough terrain.
- The legs can be adjusted by the push buttons smoothly lengthwise to the terrain.
- The rounded claws of the clamping are optimally suited for carbon poles due to the best pressure distribution on the pole.

Application benefits

- Optimal for carbon poles due to rounded clamping claws
- For pole's up to 35mm tube diameter

Specifications	NESTLE Bipod
Length	97 - 168cm, smooth telescopic
Clamping	Push-button
Clamp able pole diameter	All with Ø 20-35mm or 1" - 1 1/4"
Material	Aluminium
Weight	1,400g

Accessories

Tip with screwable topo shoe, model no. 14956000

- Can be used for all carbon poles with removable tip.
- Advantage: Sand plate is always there, without being lost.
- Stand base Ø 60mm
- Weight 95g

NESTLE Mini bipod

14960000

NESTLE

Placing aid for poles

- During setting up of measurement points of the antenna or prism pole must often be placed out of hand. But where to put it on construction sites or in damp and muddy ground? The rugged and lightweight mini bipod is ideal for secure placing your rod.
- Protects the prism, the antenna and the field computer against dirt and damage on difficult ground.
- With the mini bipod your pole also receives secure footing when leaning against a wall.
- The mini bipod is very easy, simple and flexible to assemble.

Application benefits

- Clamping screw for prism and antenna poles with diameter 22 - 32mm
- Rapid and flexible installation.
- Specifically suitable for carbon rods.
- Rubberized leg ends - no scratch and slip away from delicate surfaces such as glass.

Specifications	Mini bipod
Varnish	Orange
Weight	155g
Length per strut	14cm
Total length	18.7cm

Accessories

Pole topo shoe, model no. 14919000

- Prevents the sinking of the tip in soft ground.
- This gives more accuracy to the all point heights.
- Stand base Ø 65mm
- Weight 130g

NESTLE prism pole and GNSS accessories

14905000 ...

NESTLE

Holder for array processor and GNSS accessories

- Model no. 14905000: pole bracket for array processor FC-25/SHC 25
- Model no. 14908000: pole bracket for array processor FC-200
- Model no. 14909000: pole bracket for array processor FC-2500
- Model no. 14910000: holder for GRS-1 / GMS-2
- Model no. 14911000: holder for Getac FC-25A
- Model no. 14912000: holder for PS336, FC336
- Model no. 14917000: pole bracket for FC-200/250
- Model no. 14918000: pole bracket for GRS-1/GMS-2
- Model no. 14936000: mount for array processor Tesla
- Model no. 14938001: mount for Algiz 7 and CC60/61
- Model no. 14958000: holder FC-500
- Model no. 14957000: mount complete for FC-500
- Model no. 14943000: mount complete for Getac Z-710
- Model no. 14963000: holder with clamp for Panasonic Toughbook FZ-M1, FZ-B2, even when used with battery pack FZ-VZSU95W.
- Model no. 14971000: computer holder with clamp for 10", max. 32mm depth
- Model no. 14974000: computer holder for Mesa 2

Weight: Depending on the type 150 - 450g

14905000 14908000 14909000 14910000

14911000 14912000 14917000 14918000

14936000 14938001 14958000 14957000

14943000 14963000 14974000

Rod clamps and levels

- Model no. 14916000: bubble level for poles Ø 32mm.
- Model no. 14947000: pole bracket with compass with pin connector.
- Model no. 14965000: pole bracket with compass with ball connector.

14916000 14947000 14965000

Specification

Tripod mount complete 360°	
14964000	Controller holder 360° for tripod, with ball connector
14964021	Controller holder 360° for tripod, Leica
14970000	Controller holder 360° for tripod, with pin connector
14975000	Controller holder 360° for tripod, with diagonal-carrier for 14974000
Weight	Depending on the type 400 - 700g

14975000

Special bracket

- Pole holder for tripod head 5/8", model no. 14959000.
- Pole holder for tripod leg, model no. 14961000.

14959000

14961000

Products | Prisms + Scan Sphere

Prisms

page 142

Scan sphere

page 143

NESTLE Prisms

14100000, 14101000, 14102000, 14103000 ...

Survey prisms

Prism 14100000: Wild-Leica-connection.
- Housing made of shockproof polycarbonate.
- Metal target plate for easy and quick sighting.
- Delivery including transport bag.

Prism 14102000: connection 5/8".
- Solid metal frame.
- Frame in bright orange colour for easy sighting.
- Delivery including transport bag.

Prism 14103000: Wild-Leica-connection.
Prism 14104000: connection 5/8".
- Metal frame, powder-coated.
- Prism inclination can be fixed by a locking screw.
- The frame contains a bubble level for perpendicular positioning.
- With spike for near-ground measurements.
- Tilt axis at 100mm / offset -34mm.

Prism 14101000: connection 1/4".
- Mini-prism-set.
- Ideal for batter boards works.
- Incl. tip and four-piece rod in bag.

14100000

14102000

14104000

14103000

14101000

Application benefits

- The frame with bright yellow visor aids or frame in bright orange and white arrows are ideal for targeting of the prisms in reduced visibility (prisms 14100000, 14102000).
- The prism-set 14101000 is ideal for alignment stage. With the 4-segment bar even simple survey work is not a problem.

Specifications	Prisms
GPR1-type, target plate above prism	Model no. 14100000
Offset / connection / Weight	-34mm / Leica / Wild / 350g
Mini-prism-set	Model no. 14101000
Offset / connection / weight	0-30mm / 1/4" / 130g
Prism with target plate orange	Model no. 14102000
Offset / connection / weight	0-30mm / 5/8" / 500g
GPR1-SE, metal frame	Model no. 14103000
Offset / connection / weight	-34mm / Wild-Leica / 730g
KTR1-SE, metal frame	Model no. 14104000
Offset / connection / weight	-34mm / 5/8" / 730g
Reflective target 40 x 40	Model no. 14105001
Dimension	40 x 40mm
Packing unit	20 pieces

14101000

Accessories

Reflective target 40 x 40; model no. 14105001
- Yellow, adhesive-backed, average target distance 90m (depending on instrument), packaging unit: 20 pieces.

- The prisms 14100000 and 14102000 are supplied with a handy travel bag.
- The Mini-prism-set comes complete with tip and 4 rod segments in a bag.

14105001

NESTLE Scan sphere

14200000

NESTLE

Reference sphere for laser scanning

- The NESTLE scan sphere is a reference for all scanning work.
- Perfect to put together several scans.
- The spherical shape allows an optimum capture from all directions and has proved itself as a laserscanning-target.
- The scan sphere is made of plastic with a mat textured paint specifically for optimum reflection properties.
- Inclusive removable magnetic base (thread M8).

Application benefits

- Washable.
- Suitably for dishwasher.
- Shock proof.
- Scan sphere set, 6 pcs. with magnet and carrying bag, model no. 14206000.
- Scan sphere set, 6 pcs. with magnet and carrying case, model no. 14207000.

14204000

14205000

14207000

14206000

Specifications	NESTLE Scan sphere
Diameter	Ø 145mm; (5,7")
Weight	250g

Accessories

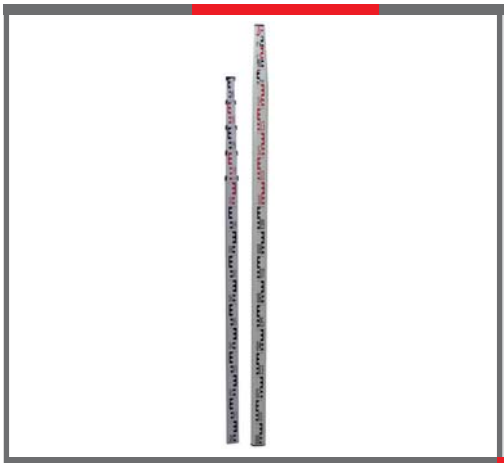
- Carrying case for 6 scan spheres, model no. 14204000.
- Carrying bag for 6 scan spheres, model no. 14205000.
- Adaptor for scan sphere / NESTLE range pole, model no. 14209000.
- Pole with metal cap, model no. 14201000.
- Traffic cone with metal plate, model no. 14202000.
- Ranging pole support, model no. 11903000.
- Mini Tripod, model no. 14203000.

14202000

14201000

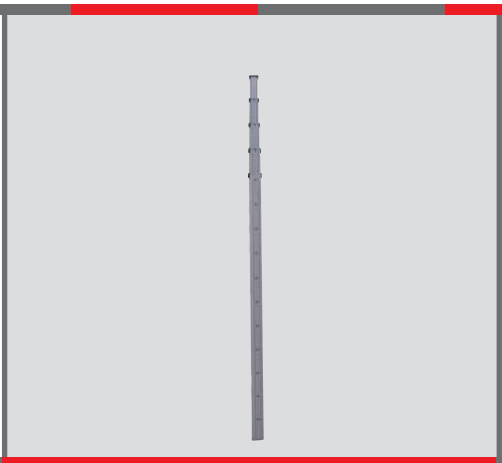
14203000

Products | Levelling staffs



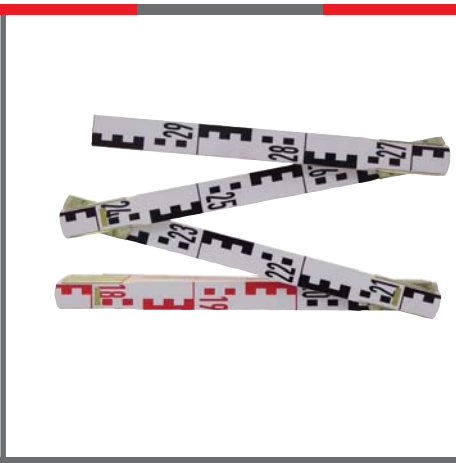
Telescopic levelling staffs

page 145



Telescopic laser levelling staffs

page 146



Folding levelling rod

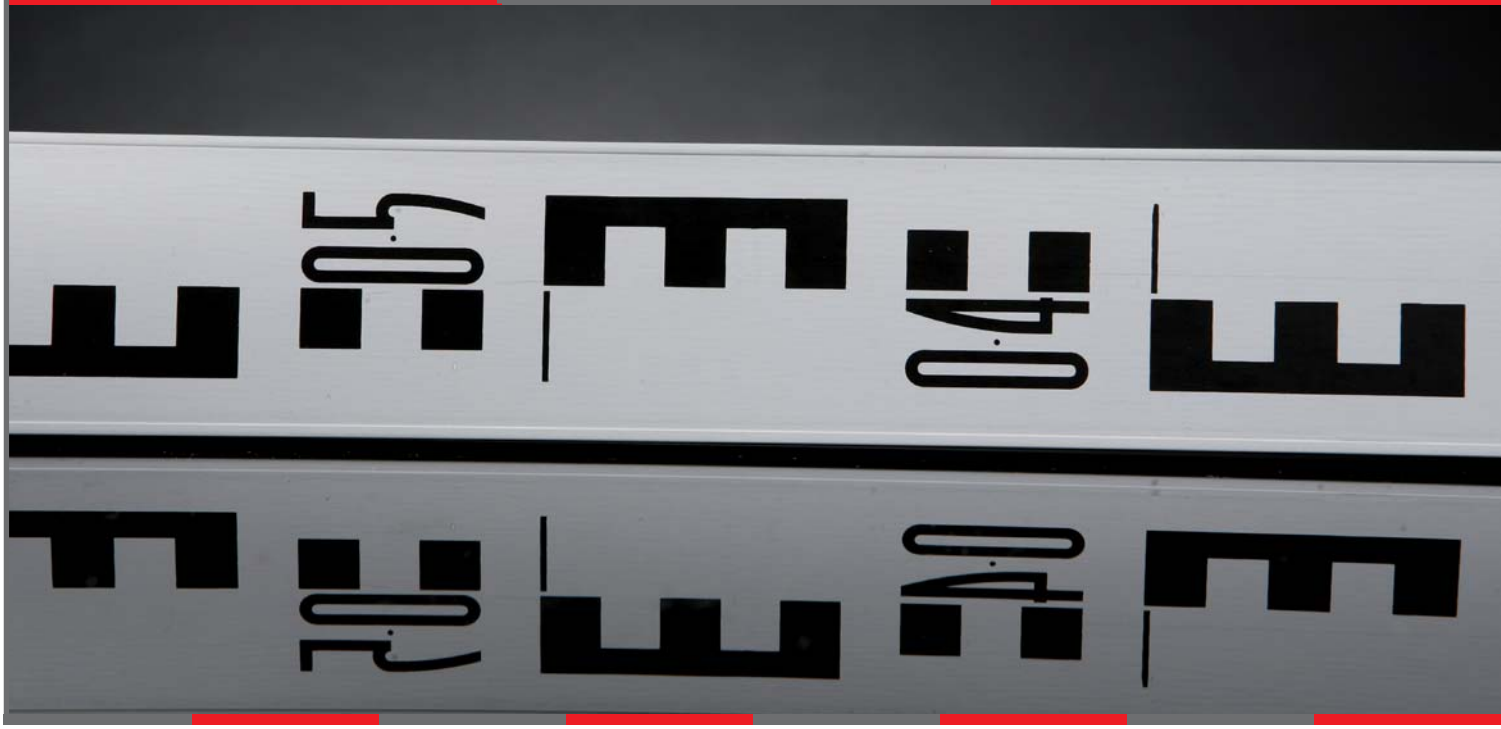
page 147

Levelling staff accessories

page 148

Tripod adaptor
for levelling staffs

page 149



NESTLE Levelling staffs

18200000...

NESTLE

Telescopic levelling staffs

- All staffs are delivered with bag and bubble.
- Telescopic extendable staffs, short transport size and low weight make the staffs comfortable to handle.
- E-graduation on the frontside with alternately red and black print.
- Backside with mm-graduation for measuring clear heights. Simply extend the segments, the result can be read at the junction to the next segment.
- Models 18200000 and 18206000 with continuous mm-graduation on the backside beginning with 0 at the staff´s bottom.
- Model 18208000 made of glass fibre including carrying bag. Glass fibre is non-conducting, so working near power lines is possible.
- The telescopic levelling staffs are sturdy and meet the requirements of daily use on the jobsite perfectly.
- The imprint is protected by projected profile edges.
- Solid push-button mechanism for secure locking of the telescopic segments.
- The segments slide easily without jamming.

Application benefits

- Easy handling.
- Easy and space-saving transport.

- Bubble available separately, model no. 18912000.

Specifications	Telescopic levelling staffs
1.24m - 5.00m, 1,700g	Model no. 18200000 / backs. mm starting with 0
1.21m - 3.00m, 1,500g	Model no. 18201000
1.22m - 4.00m, 1,600g	Model no. 18202000
1.22m - 4.00m, 1,600g	Model no. 18209000 / backs. mm starting with 0
1.24m - 5.00m, 1,700g	Model no. 18203000
1.68m - 7.00m, 2,500g	Model no. 18205000
1.68m - 7.00m, 2,500g	Model no. 18206000 / backs. mm starting with 0
1.45m - 7.00m, 2,100g	Model no. 18208000 / glass fibre

Accessories

Nestle levelling set bag, model no. 15905000.
For easy transport of levelling set to construction side and tidy up storage.

NESTLE Telescopic laser levelling staffs

18204000

Telescopic laser levelling staffs

- Model 18204000 with continuous mm-graduation on the frontside starting with 0 at the bottom. When working with rotating lasers, the receiver can be clamped to the staff. The mm-graduation allows for exact height reading.
- Backside with mm-graduation for measuring clear heights. Simply extend the segments, the result can be read at the junction to the next segment.
- Telescopic extendable staffs, short transport size and low weight make the staffs comfortable to handle.
- The telescopic levelling staffs are sturdy and meet the requirements of daily use on the jobsite perfectly.
- The imprint is protected by projected profile edges.
- Solid push-button mechanism for secure locking of the telescopic segments.
- The segments slide easily without jamming.

Application benefits

- For levelling and laser applications.

Specifications	Telescopic levelling staffs
1.24m - 5.00m, 1,700g	Model no. 18204000

Accessories

- For working with our levelling staffs we also offer:
- Bag for models 3-5m, model no. 18913000.
- Bubble level, model no. 18911000.

NESTLE Folding levelling rod

18507000....

NESTLE

For measuring and levelling

- Made of wood, strong spring mechanism.
- Frontside with E-graduation, alternately 1m red and black.
- Backside with mm- graduation.

Application benefits

The folding levelling rods combine the characteristics of levelling staffs and folding meters. Space-saving transport in any vehicle.

Specifications	Folding levelling rod
Folding levelling rod	
2.00m, 38cm folded, 300g	Model no. 18507000
3.00m, 38cm folded, 800g	Model no. 18508000
3.00m, 54cm folded, 900g	Model no. 18509000
4.00m, 54cm folded, 1,100g	Model no. 18510000
Folding meters	
Wood, 3.00m, 900g	Model no. 18512000
Wood, 4.00m, 1,100g	Model no. 18513000
Wood, 5.00m, 2,300g	Model no. 18514000

Accessories

We also offer wooden folding meters with mm-graduation on both sides.

NESTLE Levelling staff accessoires

11911000....

NESTLE

Accessories for levelling

- Staff level, metal, adjustable, circular bubble level. To be screwed, pinned or handheld to the levelling staff for perpendicular positioning.
- Staff level, metal, non-adjustable.
- Base plate levelling support. Grey cast iron, orange. With wrist strap.

Application benefits

Accessories for levelling staffs for construction and levelling survey.

Specifications	Levelling staff accessories
Staff level, metal, 100g	Model no. 11911000, adjustable
Staff level, metal, 50g	Model no. 11912000, not adjustable
Base plate without tips, 2,860g	Model no. 18900000
V-Head, 320g	Model no. 18914000

V-Head

For measuring inclinations and unevenness in combination with a jointing rule. For tiling and floor covering.

- Measuring range 27mm.
- Graduation mm.
- Weight 320g.
- Dimensions 400 x 11 x 35mm.
- Made of aluminum, wooden handle.

Tripod adaptor for levelling staffs

13901000

NESTLE

Adaptor for levelling staffs

- The innovative solution for one-man levelling.
- For fixing the levelling staff to the tripod.
- The perfect solution when the staff has to be positioned safely on a measuring point.

Application benefits

For one-man levelling - especially when your assistant has a day off again.

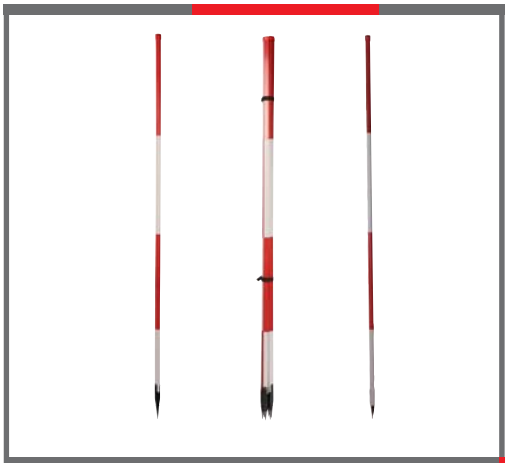
Specifications	Tripod adaptor for levelling staffs
Thread	5/8"
Holder	For staff width 75mm maximum
Weight	300g

Accessories

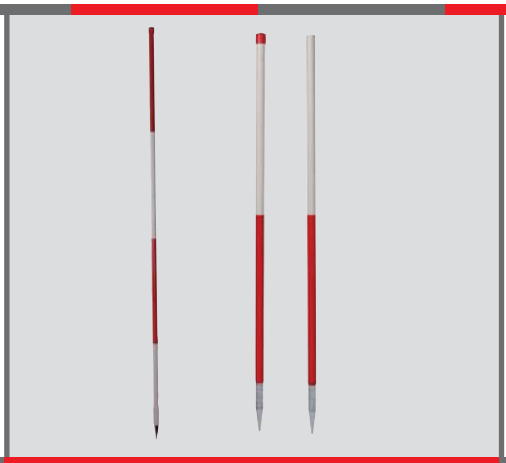
NESTLE offers everything you need for levelling:

- Automatic levels.
- Tripods.
- Levelling staffs.

Products | Ranging poles



NESTLE- ranging poles wood
page 151



NESTLE- ranging poles steel
page 152

Wood, 3-splices, round, triangular

Triangular poles, wood

Wood, tubular tip, round, triangular

Steel, tubular tip, round

Steel, jointable, round

NESTLE ranging poles

11000000...

NESTLE

Wooden ranging poles

- All ranging poles are **„Made in Germany"**.
- The ranging poles are fitted with a solid steel tip which is required in survey work.
- We only use high class wood (Ø 28mm) for manufacturing our ranging poles.
- PVC-coated.
- For various applications our ranging poles are available with different tips.
- Round tips for grassy, sandy or forest soil.
- Triangular tips for stony ground.
- Ranging poles with special triangle design can be easily transported in bundles of 6 pcs.
- Ranging poles are available in normal red or daylight luminous red. Luminous red is especially for field survey, because it is better visible.

Application benefits

For aligning and marking.

Ranging poles are indispensable accessory for any kind of survey work e.g. for marking boundary stones in order to find the optimal position for placing the total station.

Specifications	Ranging poles, wood
Triangular poles	6 poles = 1 set / Packing unit 2 sets
2.00m, round tip, 3-splices plate	Model no. 11007000
Ranging poles	Packing unit 12 pcs
2.00m, tubular tip, round, r/w w/r	Model no. 11000000
2.00m, tubular tip,round, r/w	Model no. 11001000
2.00m, triangular tip, r/w w/r	Model no. 11002000
2.00m, round tip, 3-splices plate, r/w w/r	Model no. 11003000
2.00m, triang. tip, 3-splices plate, r/w w/r	Model no. 11004000
2.16m, 3-splices plate, round tip, fluorescent red, r/w w/r	Model no. 11005000
2.16m, 3-splices plate, tubular tip, fluorescent red, r/w w/r	Model no. 11006000

Accessories

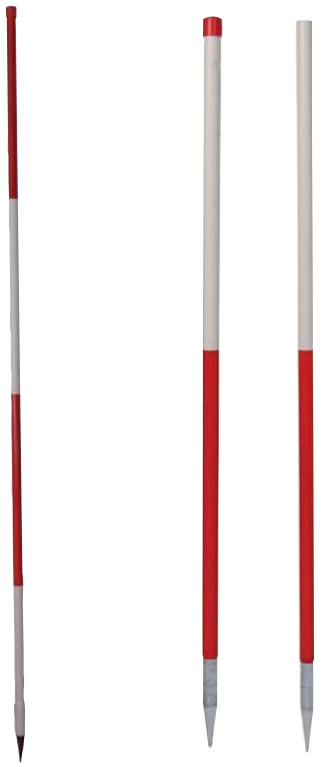
For quick setting out points with ranging poles we offer a wide variety of measuring tapes.

NESTLE ranging poles

11100000, 11101000, 11102000

Steel ranging poles, various types

- Steel ranging poles, also jointable versions available.
- All ranging poles are **„Made in Germany"**.
- The ranging poles are fitted with a solid steel tip which is required in survey work.
- We only use high class steel (Ø 27mm) for manufacturing our ranging poles.
- PVC-coated.
- For various applications our ranging poles are available with different tips.
- Round tips for grassy, sandy or forest soil.
- Triangular tips for stony ground.
- The jointable ranging poles allow for space-saving transport. Also, the two segments, each with a steel tip, are highly useful when many points have to be marked.



Application benefits

For aligning and marking.

Ranging poles are indispensable accessory for any kind of survey work e.g. for marking boundary stones in order to find the optimal position for placing the total station.

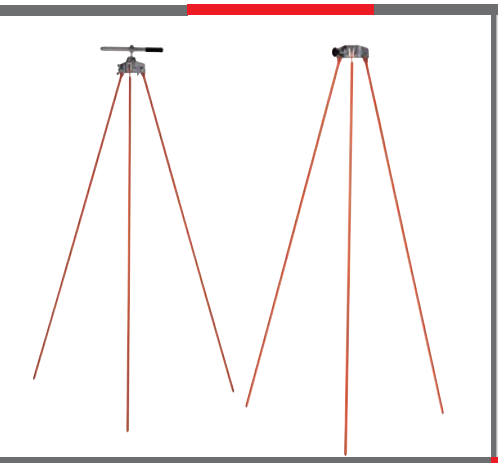
Specifications	Ranging poles, steel
Jointable poles	2 tips / Packing unit 12 pcs.
Normal red, 2.16m, round tubular tip	Model no. 11102000
One-piece poles	Packing unit 12 pcs.
Normal red, 2.00m, round tubular tip, r/w	Model no. 11101000
Normal red, 2.00m, round tubular tip, r/w w/r	Model no. 11100000

Accessories

Especially for our jointable poles we offer carrying bags:

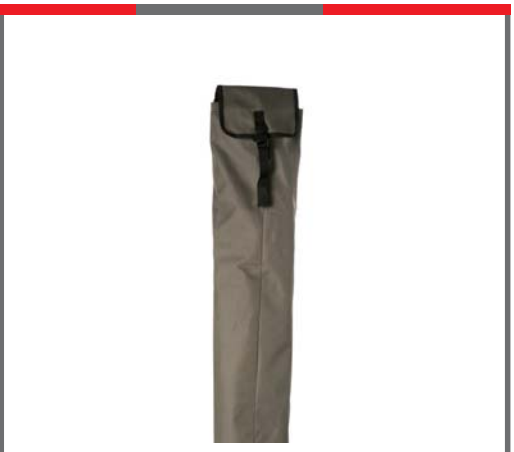
- Bag for 12 x 1m segments, 11906000.

Products | Ranging pole accessories



Ranging pole supports, light version
page 154

Ranging pole supports, heavy duty
page 155



Ranging pole bag
page 156

Boning rods
page 157

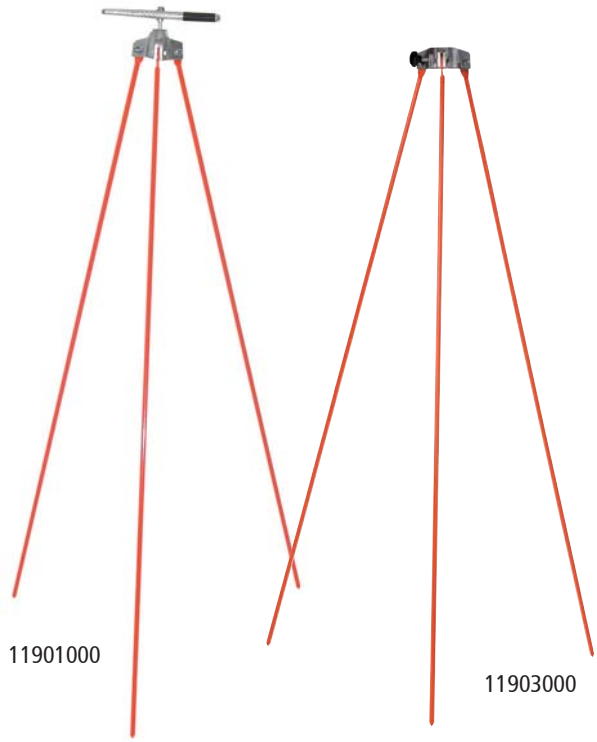
Ranging pole supports, light version

11900000...

NESTLE

Ranging pole supports with jaw or ring clamp

- Available with jaw or ring clamp.
- Easy handling: for fixing and plumbing prism or ranging poles on the measuring point.
- Orange paint to prevent corrosion.
- The thin legs of the support can easily be pushed into the soil for stabilization when needed.
- 11901000: with jaw clamp.
- 11903000: with ring clamp.
- 11900000: mini version with jaw clamp. Ideal for NESTLE MIDI-prism poles, for positioning the prism perpendicular when space is narrow (below growth or roofings).
- 11902000: with jaw clamp. The legs can additionally be fixed with wing screws.



11901000

11903000

Application benefits

For construction and cadastral survey. Not only for positioning ranging poles on solid surfaces, also applicable with prism poles.

11902000

11903000

Specifications	Ranging pole supports
11901000, 11902000	Jaw clamp / 11902000 with add. fixation
Height	100cm
Weight	1,800g
11903000	Ring clamp
Height	100cm
Weight	1,700g
11900000 Mini	Jaw clamp
Height	27cm
Weight	800g
Paint	Orange

11900000

Accessories

We also offer heavy duty ranging pole supports.

- 11905000 with ring clamp.
- 11904000 with jaw clamp.

Ranging pole supports, heavy duty

11904000, 11905000

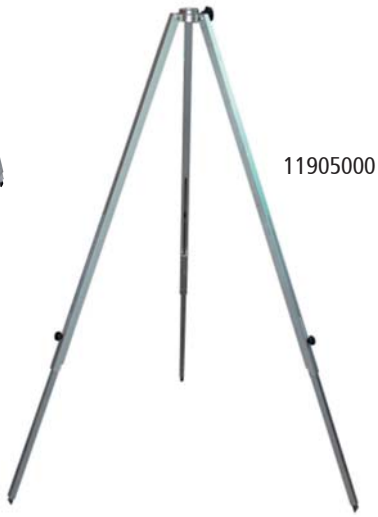
NESTLE

Ranging pole supports, heavy duty

- Available with jaw or ring clamp.
- Easy handling: for fixing and plumbing prism or ranging poles on the measuring point.
- The heavy duty supports provide safe positioning for ranging and prism poles to withstand wind gusts caused by passing cars for example.
- The aluminium legs can be extended from 100-125cm or 100-130cm respectively.

- 11905000: with ring clamp.
- 11904000: with jaw clamp.

11904000



11905000

Application benefits

For construction and cadastral survey. Not only for positioning ranging poles on solid surfaces, also applicable with prism poles.

Specifications	Ranging pole supports, heavy
11905000	Ring clamp
Height	100-125cm
Weight	3,000g
Material	Aluminium
11904000	Jaw clamp
Height	100-130cm
Weight	3,000g
Material	Aluminium

Accessoires

We also offer light ranging pole supports:
- 11901000: with jaw clamp.
- 11900000: with jaw clamp, „Mini".
- 11903000: with ring clamp.

Ranging pole bag

11906000

NESTLE

Bag for 12 x 1m poles

- Bag for 1m ranging poles.
- For easy transport.
- Especially for our joint poles.
- Sturdy with strengthened bottom part.

Application benefits

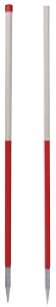
For easy transport of 1m ranging poles in construction or cadastral survey.

Specifications	Ranging pole bag
Material	Synthetic fibre
Weight	400g

Accessories

This bag is especially designed for our joint poles.

- Joint pole, two tips, 11102000.



Boning rods

21117000, 21118000, 21116000

NESTLE

Levelling support

- Boning rods in T-shape for easy levelling.
- One set consists of two half and one full T-patterns.
- Available in fully wooden or with metal stand.

Application benefits

For setting out levels on hard landscaping projects.

Specifications	Boning rods
T-shape, wood, 1.25m, 4,000g	Model no. 21117000
T-shape, metal stand, 1.25m, 5,800g	Model no. 21118000
Marking pins	Model no. 21116000
Length:	40cm

Accessories

In our program we also have chaining pins. The chaining pins have a length of 40cm and one set includes 10 pins.

- Chaining pins, model no. 21116000

Products | Prism | Optical square | Plummet pole

Double penta prism

page 159

Optical square

page 160

Plummet pole, wood

page 161

Plummet pole, metal

page 162

NESTLE Double penta prism

11908000

NESTLE

For exact 90° alignment

- For exact 90° alignment of ranging poles.
- It consists of two prisms at 90° to the left and the right and a central aperture.
- Accuracy <1′.
- The metal housing with turning lock mechanism makes the prism shockproof.
- The prism can be attached to a plummet pole. Furthermore a plump bob can be hooked into the prism.
- Delivery including pouch.

Application benefits

Alignment of ranging poles, setting out 90° angles.

Specifications	Double penta prism
Weight	150g
Accuracy	< 1′

Accessoires

For working with the double penta prism we offer plummet poles and ranging pole supports.

- Ranging pole support, model no. 11901000.
- Plummet pole, metal, model no. 11201000.
- Plummet pole, wood, model no. 11200000.

NESTLE optical square

11909000

NESTLE

For 90° alignment

- 90° optical square. For setting out 90° angles with ranging poles.
- The cathetus is 25 x 10mm.
- Delivery including pouch.

Application benefits

Fast setting-out on construction sites.

Specifications	Optical square
Weight	90g

Accessories

We offer plummet poles and ranging pole supports as accessories for optical squares.

- Wooden plummet pole, 11200000.
- Ranging pole support, 11901000.
- Telescopic plummet pole, metal, 11201000.

Plummet pole, wood

11200000

NESTLE

Plummet pole with adaptor for optical square / penta prism

- Wooden plummet pole, 150cm length, diameter 28mm.
- PVC coating in red and white protects the pole from rain and moisture.
- Delivery including adaptor for penta prism or optical square.

Application benefits

Ideal for working with optical squares or double penta prisms.

Specifications	Plummet pole, wood
Material	Wood, PVC coated
Length	150cm
Weight	760g
Diameter	28mm

Accessories

We also offer optical squares and double penta prisms.
Adaptor available separately.

- Double penta prism, 11908000.
- Optical square, 11909000.
- Adaptor, 11910000.

Plummet pole, metal

11201000

NESTLE

Telescopic plummet pole

- The telescopic plummet pole can be fixed on the required height between 100 and 180cm.
- Tip made of stainless steel serves as plummet point.
- Adaptor for penta prism or optical square included in the scope of delivery.
- Wing screw fixing.

Application benefits

Ideal for working with optical squares or double penta prisms.

Specifications	Plummet pole, metal
Material	Aluminium
Height	100-180cm
Weight	700g
Diameter	25mm

Accessories

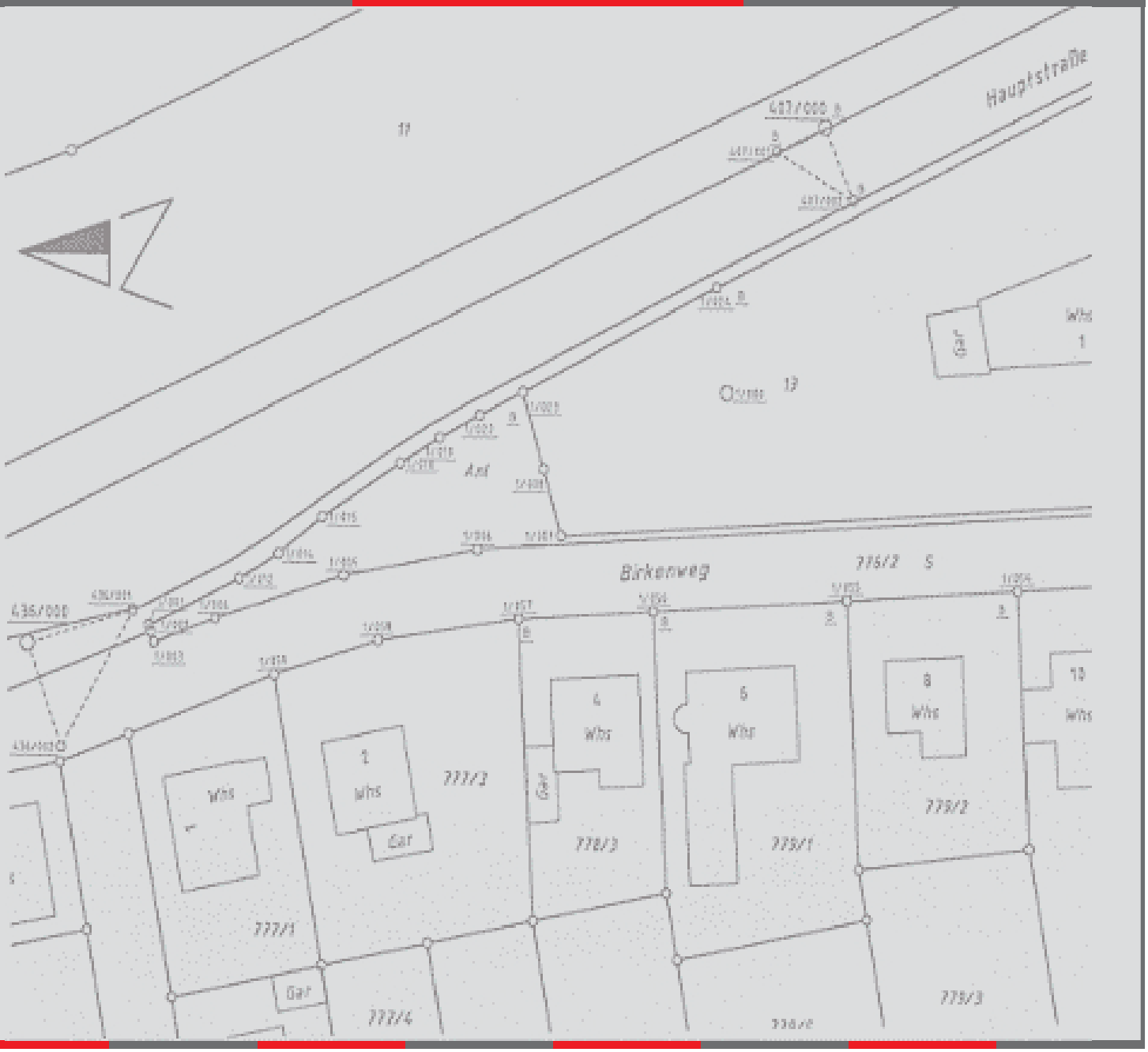
We also offer optical squares and double penta prisms.

- Double penta prism, 11908000.
- Optical square, 11909000.

Products | Field book frame

Field book frame
wood
page 164

Field book frame
synthetic material
page 164



NESTLE Field book frame FOLIGRAPH

21107000...

Field book frame wood / synthetic material

- Our field book frames are easy to use and convenient blotting pads for your survey notations.
- Cellular rubber straps prevent the aluminium underlay from shifting.
- The celluloid inlay protects from rain.
- The carrying strap can easily be adjusted to the required length.
- Our field book frames set standards concerning durability.
- Made of resistant wood or robust synthetic material.

Field book frame wood:
- Cellular rubber straps prevent the Aluminium underlay from shifting.
- Frame joint made of brass.
- Rustproof and powder-coated closure cap.

Field book frame synthetic material:
- Rustproof and galvanized closure cap.
- Frame joint with pins attached.

Synthetic

Wood

Application benefits

For construction or cadastral survey: Our field book frames protect plans, maps or drawings from rain and snow. Additionally they can be used as convenient blotting pads for notations.

Specifications	Field book frame
Wood	**Model no. / Weight**
DIN A4, 260 x 335mm	21107000 / 650g
DIN A3, 335 x 460mm	21109000 / 1,000g
DIN A2, 500 x 665mm	21111000 / 2,400g
Synthetic	
DIN A4, 260 x 345mm	21112000 / 650g
DIN A3, 345 x 465mm	21113000 / 1,000g

Accessories

For working with field book frames we also offer:
- Field Table DIN A2, light version, field book frame DIN A2 with adaptor 5/8" at undersurface, model no. 21128000.
- Quick-Line drawing support pad for field book frames DIN A3, model no. 21115000.
- Quick-Line drawing support pad for field book frames DIN A4, model no. 21114000.

Products | Survey umbrella

Survey umbrella

page 166

Carrying bag

page 166

Ground spike

page 166

NESTLE survey umbrella

21104000, 21105000, 21106000

Survey umbrella

- The umbrella is water-repellent.
- Made of 100% polyester, approx. 190g/qm, plain-coloured orange with one sided acrylate coating.
- Join table pole (two segments) with 22/25mm diameter easily withstands wind gusts.
- Lower pole part galvanized inside with integrated water drain.
- Additionally, the umbrella can be secured with three nylon strings and pegs.
- Easy to use: the tip slides effortlessly into the ground. An additional ground spike is available separately.
- Simply connect the two segments and fix the clamp.
- The umbrella has an overall height of approx. 220cm (usable height approx. 190cm), this allows comfortable positioning of the instrument below.

Application benefits

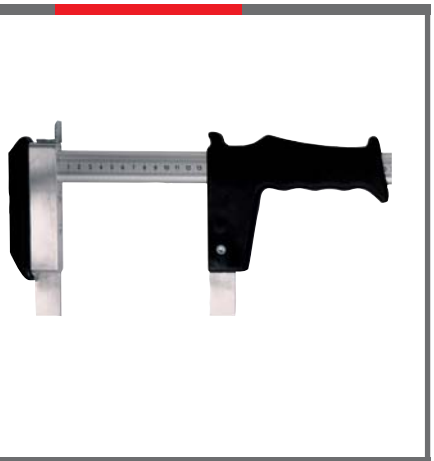
Even high-grade survey instruments like total stations or theodolites with high protection class should be protected from humidity and direct sunlight exposure. This makes the survey umbrella an indispensable accessory for any kind of survey work.
The surveyor himself is also protected below the umbrella and is able to work efficiently in rain or shine - no matter what the weather conditions are.

Specifications	Survey umbrella
Diameter	200cm
Weight	3,200g
Height	220cm approx.

Accessories

Also available for the umbrella:
- Carrying bag, model no. 21105000.
- Ground spike, model no. 21106000.

Products | Wall caliper



NESTLE wall caliper

page 168

NESTLE wall caliper

21102000, 21103000

NESTLE

Wall caliper for interior applications and renovation

- Like NESTLE forestry calipers the wall caliper is characterized by its easy and comfortable handling.
- The slide gauge handle can be moved without jamming while showing precise results.
- Deep black figures on silver anodized layer.
- Use the measuring arms to clasp around door cases to determine wall thickness.
- Offset scales on front and backside for measuring internal and external dimensions.
- Especially for door renovation in old buildings the wall caliper will make your job easier.
- 30mm oval profile with special alloy providing high flexural strength.
- Anodized coating prevents the figures from abrasion and makes the caliper resistant against humidity and dust.
- Slide handle made of shockproof polyamide, measuring arm made of high-quality welded aluminium.
- Available in two lengths.

Application benefits

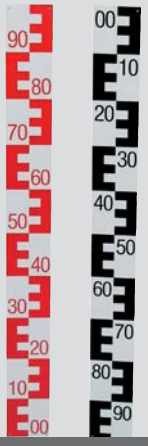
For measuring wall thickness by clasping the door case with the measuring arms. For interior applications and renovation.

Specifications	Wall caliper
Model no.	21102000
Weight	900g
Length	80cm
Range	60cm internal / 50cm external
Model no.	21103000
Weight	1,100g
Length	120cm
Range	100cm internal / 90cm external

Accessoires

For interior applications we recommend the laser distancemeter Leica DISTO™ D110, model no. 16715000.

Products | Gauge boards



Gauge boards

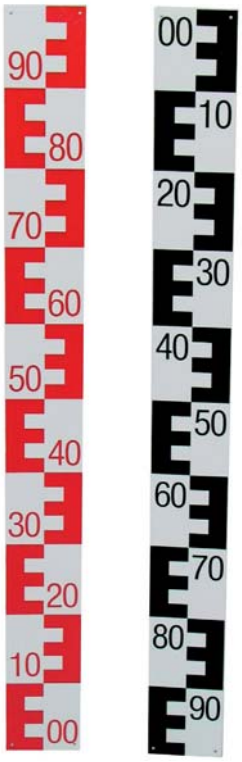
page 170

NESTLE gauge boards

18500000, ..1000, ..2000, ..3000

Gauge boards made of rigid foam

- Four bores in each board make these gauge boards easy to fix.
- Dimensions 1,000 x 100 x 10mm and a weight of only 250g for effortless transport and mounting.
- Inscription available in red or black colour - easy to read on the white surface even at larger distances.
- The gauge boards are made of high-quality rigid foam. At a temperature of 20°C they are resistant against climatic influences, mineral oil and even diluted acids and bases.
- Partitions available starting from the bottom (00-90) or from the top of the gauge (90-00).



Application benefits

Level indication for rivers, reservoirs and tidal locations.

Specifications	Gauge boards
Weight	250g
Black, 00-90	Model no. 18500000
Black, 90-00	Model no. 18501000
Red, 00-90	Model no. 18502000
Red, 90-00	Model no. 18503000

Accessories

Beside gauge boards we offer laser staffs for levelling and laser applications.

- Telescopic levelling staff, 5m, 18203000.
- Laser staff incl. slide adaptor, 18702000.

Products | Snow poles

Snow poles

page 172

NESTLE snow poles

11300000...

Snow poles wood / steel

- For marking roads, tracks and routes above the snowline.
- Made of steel or wood, with PVC coating.
- Yellow / black coloured.
- 50cm partition.
- Tubular tip.

Application benefits

- For municipal and factory premises snow clearing services.
- Yellow/black for a long way visible.

Specifications	Snow poles
Steel	Ø 27mm
Model no. 11303000	150cm
Model no. 11304000	200cm
Model no. 11305000	250cm
Wood	Ø 28mm
Model no. 11300000*	150cm
Model no. 11301000	200cm
Model no. 11302000*	250cm
* minimum order quantity 108 pieces	
Packing unit 12 pieces	

Accessories

We offer high-quality ranging poles for various applications.

- Ranging pole wood/PVC, 2.00m, r/w, model no. 11001000.
- Ranging pole, steel, pluggable, 2.16m, model no. 11102000.

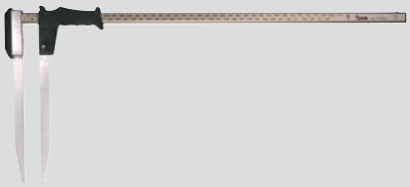
Products | Forestry

Products | Forestry calipers

NESTLE FH50
tree trunk meter
page 175

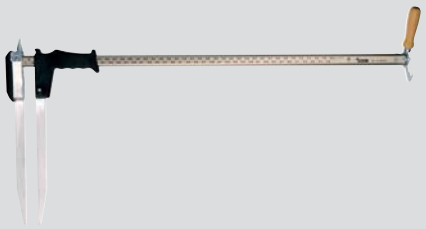
Forestry caliper Waldfix
page 176

Forestry caliper Fuchs
page 177



Forestry caliper Waldmeister
page 178

Forestry caliper Waldfreund
page 179



Forestry caliper Specht
page 180

NESTLE FH50 tree trunk meter

16600001

Identification of tree diameter and laser distance meter

- The NESTLE FH50 is a measuring tool for electronically identification of tree diameters and laser distance meter.
- The laser distance measurement with 3 laser points enables contact-free determination of the trunk diameter by just pressing one button.
- By changing the distance from measuring device to the measured object until the two outer laser points are reached at the edges of the tree trunk, is obtained as a result of measuring the trunk diameter.
- Are the two outer points reached the edge of the trunk, the measurement is initiated. The displayed value is the measured tree strength at this point of the strain.
- A cross-measurement for averaging the values is possible.

Application benefits

- The FH50 is good and ergonomically in the hand and is easy to use.
- 2 modes: diameter measurement and distance measurement.
- IP54 (dust and splash proof).

Specification	NESTLE FH50
Distance accuracy	±2mm
Distance range	0.05m - 50m
Laser class	2
Power supply	2 x AAA
Dimensions	117 x 45 x 42mm
Weight	110g
Temperature storage	-20°C to +60°C
Temperature operation	0°C to +40°C

Scope of delivery

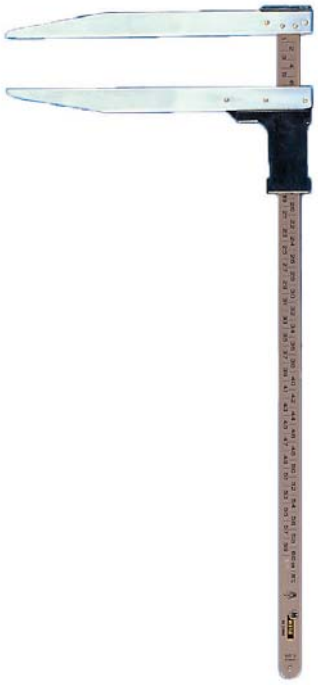
- NESTLE FH50
- 2 x AAA batteries
- Bag with belt loop

Forestry caliper Waldfix 20200000, ...1000, ...2000, ...3000, ...4000, ...5000

The practical caliper

- Comfortably to carry at the belt because of its 25 x 5mm flat profile and a weight of only 400-600g.
- NESTLE forestry calipers are characterized by their comfortable handling.
- The slide gauge handle can be moved without jamming while showing precise results.
- Deep black figures under titan-coloured anodized layer - easy to read even in the twilight.
- NESTLE calipers are extremely resistant. The special alloy guarantees for a high flexural strength of the flat profile.
- Anodized coating prevents the figures from abrasion and makes the caliper resistant against environmental influences.
- Slide handle made of shockproof polyamide, measuring arm made of high-quality welded aluminium.
- Available as standard and "officially calibrated"*.

* from 01.01.2018 on, our calipers are conformity evaluated according to module D1 (certificate DE-M-AQ-PTB144 issued by the PTB Braunschweig). The conformity evaluated calipers can be used indefinitely, as in the past the officially calibrated calipers.
A recalibration is only needed in the case of a repair.



Application benefits

- For measuring tree trunk diameters in forestry.

Specification	Forestry caliper Waldfix
Waldfix 40cm, 400g	"officially calibrated"*, model no. 20201000
	Standard, model no. 20200000
Waldfix 50cm, 500g	"officially calibrated"*, model no. 20203000
	Standard, model no. 20202000
Waldfix 60cm, 600g	"officially calibrated"*, model no. 20205000
	Standard, model no. 20204000
Measuring bar all models	Flat profile 25 x 5mm
Graduation	cm

NESTLE calipers

Trust in the experience of NESTLE!

We are the leading European manufacturer of forestry calipers.

Forestry caliper Fuchs

20400001, 20401001

NESTLE

Sorting caliper

- Comfortably to carry at the belt because of its 20 x 5mm flat profile and a weight of only 400g.
- Its length of only 46cm makes the Fuchs the perfect sorting caliper.
- NESTLE forestry calipers are characterized by their comfortable handling.
- The slide gauge handle can be moved without jamming while showing precise results.
- Deep black figures under titanium-coloured anodized layer - easy to read even in the twilight.
- NESTLE calipers are extremely resistant. The special alloy guarantees for a high flexural strength of the flat profile.
- Anodized coating prevents the figures from abrasion and makes the caliper resistant against environmental influences.
- Slide handle made of shockproof polyamide, measuring arm made of high-quality welded aluminium.
- Available as standard and "officially calibrated"*.

* from 01.01.2018 on, our calipers are conformity evaluated according to module D1 (certificate DE-M-AQ-PTB144 issued by the PTB Braunschweig). The conformity evaluated calipers can be used indefinitely, as in the past the officially calibrated calipers.
A recalibration is only needed in the case of a repair.

Application

- For measuring tree trunk diameters in forestry.
- For sorting timber with at least 46cm top end diameter.

Specifications	Forestry caliper Fuchs
Fuchs	"officially calibrated"*, model no. 20401001
	Standard, model no. 20400001
Length	46cm
Graduation	cm
Weight	400g

NESTLE calipers

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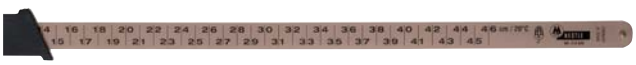


Forestry caliper Waldmeister

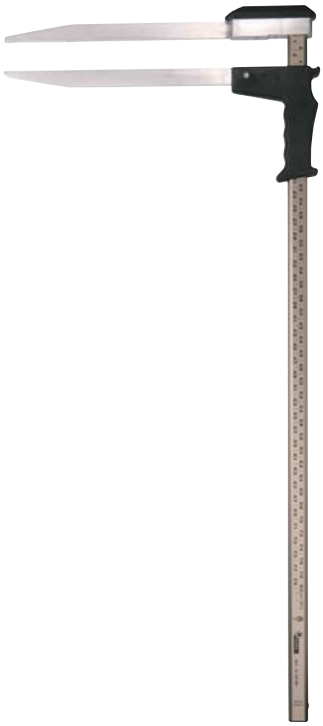
20000001,... 1001, 2001, 3001, 4001, 5001...

NESTLE

Classic caliper

- NESTLE forestry calipers are characterized by their comfortable handling.
- The slide gauge handle can be moved without jamming while showing precise results.
- Deep black figures on titanium-coloured anodized layer - easy to read even in the twilight.
- NESTLE calipers are extremely resistant. The special alloy guarantees for a high flexural strength of the oval profile.
- Anodized coating prevents the figures from abrasion and makes the caliper resistant against environmental influences.
- Slide handle made of shockproof polyamide, measuring arm made of high-quality welded aluminium.
- Available as standard and "officially calibrated"*.

* from 01.01.2018 on, our calipers are conformity evaluated according to module D1 (certificate DE-M-AQ-PTB144 issued by the PTB Braunschweig). The conformity evaluated calipers can be used indefinitely, as in the past the officially calibrated calipers.
A recalibration is only needed in the case of a repair.



Application benefits

- For measuring diameters of standing timber in forestry.
- Trust in the experience of NESTLE! We are the leading European manufacturer of forestry calipers.

Specification	Forestry caliper Waldmeister
Waldmeister 40cm, 800g	"officially calibrated"*, model no. 20000001
	Standard, model no. 20001001
Waldmeister 60cm, 900g	"officially calibrated"*, model no. 20002001
	Standard, model no. 20003001
Waldmeister 80cm, 1,000g	"officially calibrated"*, model no. 20004001
	Standard, model no. 20005001
Waldmeister 100cm, 1,100g	"officially calibrated"*, model no. 20006001
	Standard, model no. 20007001
Measuring bar all models	30 x 15mm Oval profile
Graduation	cm

Various graduations

Different graduations are available on request:

Besides the classical cm-graduation, a mm-graduation is available. The taxation graduation facilitates the classification of the measured tree trunks. The French graduation also shows you, besides the diameter, the circumference of the measured trunk.

Caliper Waldfreund

20100001...1001, ...2001, ...3001, ...4001, ...5001

NESTLE

Triangular profile caliper

- NESTLE forestry calipers are characterized by their comfortable handling.
- The slide gauge handle can be moved without jamming while showing precise results.
- Deep black figures under silver anodized layer - easy to read even in the twilight.
- The triangular profile allows for comfortably reading the results from above.
- NESTLE calipers are extremely resistant. The special alloy guarantees for a high flexural strength of the oval profile.
- Anodized coating prevents the figures from abrasion and makes the caliper resistant against environmental influences.
- Slide handle made of shockproof polyamide, measuring arm made of high-quality welded aluminium.
- Available as standard and "officially calibrated"*.

* from 01.01.2018 on, our calipers are conformity evaluated according to module D1 (certificate DE-M-AQ-PTB144 issued by the PTB Braunschweig). The conformity evaluated calipers can be used indefinitely, as in the past the officially calibrated calipers.
A recalibration is only needed in the case of a repair.

Application benefits

- For measuring diameters of standing timber in forestry.
- Trust in the experience of NESTLE! We are the leading European manufacturer of forestry calipers.

Specification	Forestry caliper Waldfreund
Waldfreund 60cm, 900g	"officially calibrated"*, model no. 20101001
	Standard, model no. 20100001
Waldfreund 80cm, 1,000g	"officially calibrated"*, model no. 20103001
	"officially calibrated"*, model no. 20102001
Waldfreund 100cm, 1,100g	Calibrated, model no. 20105001
	"officially calibrated"*, model no. 20104001
Measuring bar all models	Triangular, 30mm
Graduation	cm

Accessories

Also available on request: Waldfreund with french graduation.

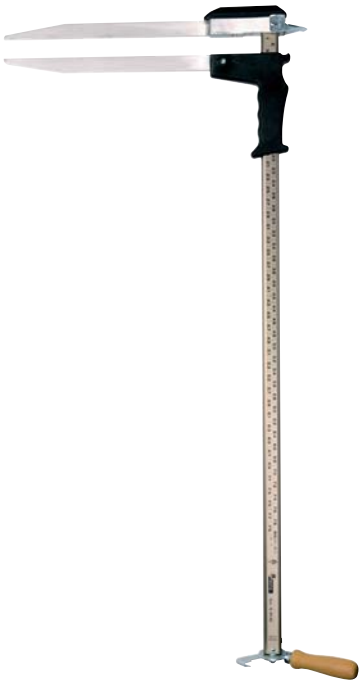
Forestry caliper Specht

20300001, 20301001, 20302001

Marking caliper

- NESTLE forestry calipers are characterized by their comfortable handling.
- The slide gauge handle can be moved without jamming while showing precise results.
- Deep black figures on titanium-coloured anodized layer - easy to read even in the twilight.
- NESTLE calipers are extremely resistant. The special alloy guarantees for a high flexural strength of the oval profile.
- Anodized coating prevents the figures from abrasion and makes the caliper resistant against environmental influences.
- Slide handle made of shockproof polyamide, measuring arm made of high-quality welded aluminium.
- The upper limit stop is 1cm above the lower one and calculates the waste of your saw automatically.
- Available as standard and "officially calibrated"*.

* from 01.01.2018 on, our calipers are conformity evaluated according to module D1 (certificate DE-M-AQ-PTB144 issued by the PTB Braunschweig). The conformity evaluated calipers can be used indefinitely, as in the past the officially calibrated calipers.
A recalibration is only needed in the case of a repair.



Application Benefits

For use in forestry.

- 2 functions: marking and measuring diameters of tree trunks.
- Suitable for use with hand or motor saws.

Specifications	Forestry caliper Specht
Specht 60cm, 1,550g	Standard, model no. 20300001
Specht 80cm, 1,650g	"officially calibrated"*, model no. 20302001
Specht 80cm, 1,650g	Standard, model no. 20301001
Measuring bar all models	Oval, 30 x 15mm
Graduation	cm

NESTLE calipers

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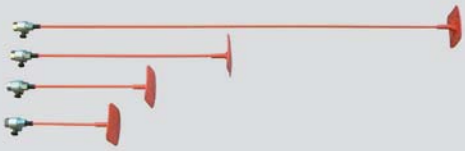
Products | wood-working

Marking meter
metal + wood
page 182 + 183



Trimming support KOLIBRI
page 184

Sawbuck Holzmichel
page 185

Marking meter

20500000 + 20900000

NESTLE

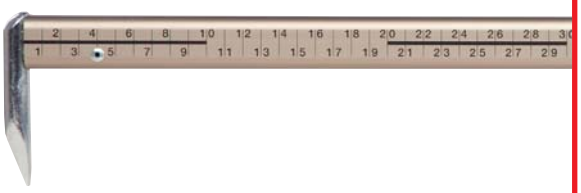
Meter marking of trunks

- If you are looking for a simple tool for meter markings on trunks we can offer the marking meter Kolibri.
- The solid markers are exactly 100cm apart from each other.
- Deep black figures on both sides under titanium-coloured anodized layer.
- Oval profile.
- Abrasion proof and more durable than wooden marking meters.

Application benefits

For use in forestry.

Specifications	Marking meter
Length	100cm
Weight	700g
Material ruler	Aluminum, oval
Material tip	Steel, galvanized
Graduation	cm
Model no.	20500000



Accessoires

- Hand counter „PRIMAT", counting mechanism 0000-9999, 20900000.

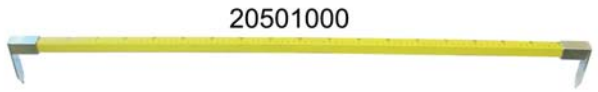
Marking meter wood

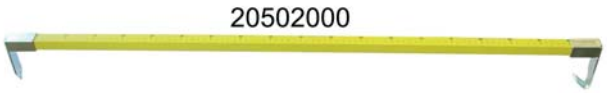
20501000, 20502000

NESTLE

Lightweight model

- Both sides are made out of a special tempering steel who protects the ends for blunting.
- The wood is completely plastic-coated to keep the water away.
- Four cornered profile.
- The model no. 20501000 is ideal for length and volume calculation of trunks.
- The model no. 20502000 has an angled tip on one side. It helps to see your markets better.

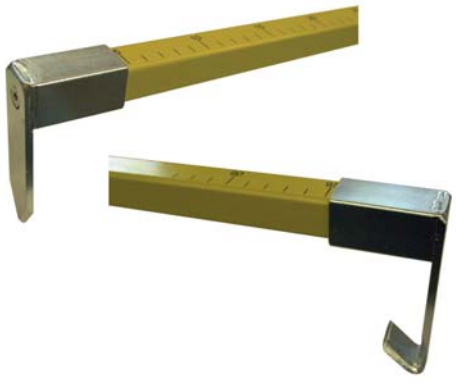




Application benefits

- For use in Forestry.

Specification	Marking meter
Length	100cm
Weight	570g
Material ruler	Wood
Material tips	Steel
Graduation	cm
Version with two peaks	Model no. 20501000
Version with angled tip	Model no. 20502000



Accessories

- Besides the marking meters, NESTLE has a large range of callipers.
- The caliper Specht are combined with a marker at the end. Model no. 20301001. (see page 180)
- To safeguard in the forest find NESTLE warning pyramids from page 103.

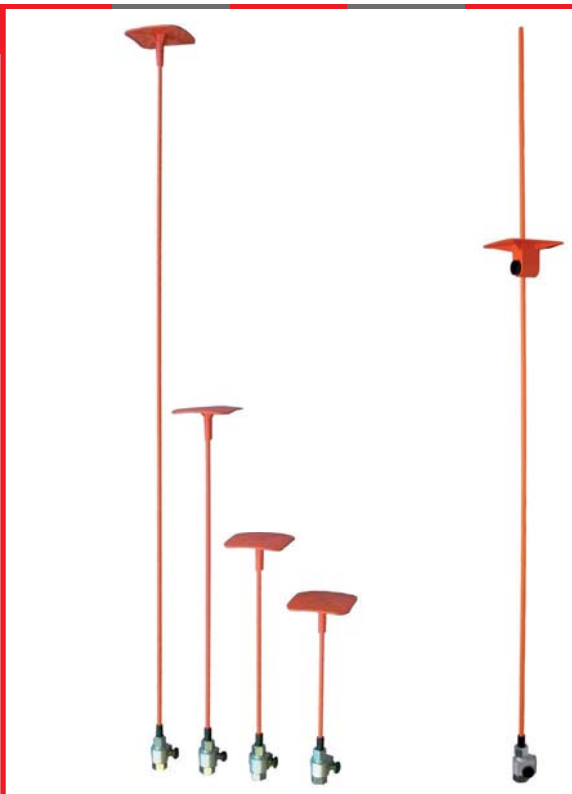
Trimming support KOLIBRI

20600000, 20601000, 20602000, 20603000

NESTLE

The easy way for cutting tree boles

- Sawing without marking the log.
- Saves time, work and money.
- Especially for sizing firewood, pulp- and industrial wood.
- The spigot is attached effortlessly with a combination wrench to the screw of the sword fixation.
- The KOLIBRI is mounted on and taken off from the spigot by easily pressing the knob.
- Easy and fast mounting to all popular motor saws.
- Just attach the end piece of the KOLIBRI to the right end of the log and start sawing.



Application benefits

- KOLIBRI 25cm: for cutting small pieces of firewood.
- KOLIBRI 33cm: for cutting medium pieces of firewood.
- KOLIBRI 50cm: for cutting large pieces of firewood
- KOLIBRI 100cm: for cutting flooring sleepers.
- KOLIBRI 100-v, 100cm: with infinitely variable stop.

Specification	Trimming support KOLIBRI
KOLIBRI 25cm	Model no. 20600000
KOLIBRI 33cm	Model no. 20601000
KOLIBRI 50cm	Model no. 20602000
KOLIBRI 100cm	Model no. 20603000
KOLIBRI 100-v, 100cm	Model no. 20605000, variable stop
Material stick	Glass fibre
Material end piece	Synthetic

Accessoires

For further forestry work we recommend NESTLE calipers and marking meters:
We are the leading European manufacturer of forestry calipers.

Trust in the experience of NESTLE!

NESTLE - Sawbuck Holzmichel

20604001

NESTLE

Sawbuck for cutting firewood

- By practising experts for expert practice.
- For cutting firewood for your stove.
- Separate the wood in fitting pieces of 25, 33 or 50cm length respectively.
- The sawbuck „Holzmichel" is ideal, when using professional circular saws or band saws is not profitable.
- The „Holzmichel" can be disassembled effortlessly, so it can easily be transported in the boot of your car.
- The „Holzmichel" can be charged with 0.33 piled meters. You need two cuts for 33cm pieces, three cuts for 25cm pieces and one single cut for 50cm pieces of wood.
- Markings on the „Holzmichel" make it easy to position the cuts.
- Pluggable upright poles made of aluminium even withstand contact with the saw.
- Included in the scope of delivery is a retaining band for securing the charging.
- Sawbuck „Holzmichel" - a hundred per cent „**Made in Germany**".

Application benefits

For cutting firewood for your stove.

Specifications	Holzmichel
Capacity	At least 0.33 stere
Weight	App. 15kg
Dimensions of the basic frame	(W) 820mm x (D) 465mm x (H) 203mm
With inserted side supports	1,130mm height
Aluminum side supports (8 pcs.)	Each 25mm x 25mm x 1,000mm
Shipping packaging size	1,030mm x 400mm x 90mm

For further forestry work we recommend NESTLE calipers and marking meters:
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Trust in the experience of NESTLE!

Products | Geomatics

Optimal solutions for your tasks in the field of Geomatics:

- Totalstations* for terrestrial surveying
- RTK GNSS Systems* for satellite surveying

For more information, please contact us, or visit us at www.g-nestle.de/en

*only available in certain countries

Product directory sorted by categories

NESTLE

Item no.	Article description	page
Measuring wheels		
12000001	Precision model, full wheel	6
12004001	Precision model, spoke wheel	6
12900000	Carrying case for NESTLE standard and	6
12901000	Carrying bag for NESTLE standard and	6
12902000	Support for rail measurements	6
12002001	Standard model, full wheel	7
12006001	Standard model, spoke wheel	7
12012001	Synthetic, Light version, accuracy ± 0,05%	8
12008000	Light version, spoke wheel	9
12010001	Spoke wheel, hand brake, acc.0,05%	10
12014000	Small plastic wheel	11
12903000	Carrying bag for model no. 12014000	11
12015001	Big wheel for off-highway measurements	12
Tripods		
13000000	Levelling tripod aluminium	15
13001000	Levelling tripod aluminium	16
13100000	Levelling tripod aluminium	17
13105000	Levelling tripod aluminium	17
13101000	Levelling tripod aluminium	18
13102000	Levelling tripod aluminium, Heavy duty	19
13104000	Levelling tripod aluminium, Heavy duty	19
13103000	Levelling tripod aluminium, Heavy duty	20
13200000	Elevating tripod aluminium, Light version	21
13201000	Elevating tripod aluminium, Light version	21
13202000	Elevating tripod aluminium, Light version	21
13300000	Elevating tripod aluminium, Medium Version	22
13301000	Elevating tripod aluminium, Medium Version	22
13302000	Elevating tripod aluminium, Medium Version	22
13400000	Elevating tripod aluminium, Medium Version	23
13401000	Elevating tripod aluminium, Medium Version	23
13402000	Elevating tripod aluminium, Medium Version	23
13403000	Elevating tripod aluminium, Medium Version	23
13500000	Elevating tripod aluminium, Heavy version	24
13501000	Elevating tripod aluminium, Heavy version	24
13502000	Elevating tripod aluminium, Heavy version	24
13503000	Elevating tripod aluminium, Heavy version	25
13600000	Heavy elevating tripod aluminium	26
13601000	Heavy elevating tripod aluminium	26
13610000	Manhole tripod aluminium	27
13926000	Extension 100cm	27
13930000	Scanner quick coupling complete	27
13706000	Carbon tripod GEO Delta	28
13707000	Carbon tripod GEO Omega	28
13931001	Tripod accessories, Carrying bag	28
13700000	Tripod wood PVC	29
13701000	Tripod wood PVC	29
13702000	Tripod wood, Heavy duty	30
13703000	Tripod wood, Heavy duty	30
13704000	Tripod wood, Heavy duty	30
13705000	Tripod wood, Heavy duty	30
13919000	Tripod accessories, tripod cover	30
13920000	Tripod accessories, carrying strap	30
13927000	Tripod accessories, tripod cover	30
13708000	Tripod wood Max-I, Heavy duty	31
13935000	NESTLE tripod warning kilt	31
13709000	Tripod wood Min-I, Heavy duty	32
13710000	Tripod wood Mid-I, Heavy duty	32
13900000	Tripod dolly	33
13912000	Tripod accessories, Tripod stand for smooth surfaces	33
13913000	Tripod accessories, Rubber cover set with rivets	33
13914000	Tripod accessories, Extension 66cm for elevating tripods	33
13916000	Tripod accessories, Carrying bag for tripods	33
13929000	Tripod accessories, Tripod stand for smooth surfaces	33
13911000	Camera tripod	34
21126000	Column stand	34
Angle gauges / DIWA / Spirit levels		
17004001	NESTLE DIGIT 35 Angle gauge	36

Item no.	Article description	page
Angle gauges / DIWA / Spirit levels		
17900000	NESTLE Bag for DIGIT 35	36
17005001	NESTLE DIGIT 50 Angle gauge	36
17901000	NESTLE Bag for DIGIT 50	36
17003000	NESTLE DIGIT 100 Angle gauge	37
17100001	NESTLE DIWA 60 Digital spirit level	38
17101001	NESTLE DIWA 100 Digital spirit level	38
Point- and line lasers		
16100001	NESTLE Octoliner	41
16101001	NESTLE Octoliner incl. detector DECTO	41
16814000	DECTO, detector for point-/linelasers	41
16114001	NESTLE Octoliner G	42
16829000	Decto-G Receiver	42
16102001	NESTLE Crossline laser NCL-2	43
21133000	NESTLE magnet support for line lasers	43
16724000	LEICA LINO L2	44
16725000	LEICA LINO L2G+	44
16727000	LEICA LINO L2P5	45
16728000	LEICA LINO L2P5G	45
16719000	LEICA LINO L4P1	46
16726000	LEICA LINO P5	47
13902000	NESTLE tripod adaptor 5/8" to 5/8"	48
13922000	NESTLE Horizontal adaption for lasers	48
13923000	NESTLE tripod adaptor 5/8" to 1/4"	48
21135000	NESTLE wall mount for PULSAR lasers	48
21136000	NESTLE wall mount for rotating lasers	48
Rotating lasers		
16000001	NESTLE PULSAR H	51
22201000	NESTLE PULSAR batterie case	51
16001001	NESTLE PULSAR HV-R	52
16002001	NESTLE PULSAR HV-G	52
16003001	NESTLE PULSAR 2S	53
27102000	GEOMAX ZEL400HV Levelling Laser hor. auto, vert. auto	54
27103000	GEOMAX Zone 20H basic Rotating Laser	55
27104000	GEOMAX Zone 20H pro Rotating Laser	55
27105000	GEOMAX Zone 20H digital Rotating Laser	55
27106000	GEOMAX Zone 20HV basic Rotating Laser	56
27107000	GEOMAX Zone 20HV pro Rotating Laser	56
27108000	GEOMAX Zone 20HV digital Rotating Laser	56
27109000	GEOMAX Zone 40H basic Rotating Laser	57
27110000	GEOMAX Zone 40H pro Rotating Laser	57
27111000	GEOMAX Zone 40H digital Rotating Laser	57
27112000	GEOMAX Zone 60HG basic	58
27113000	GEOMAX Zone 60HG pro	58
27114000	GEOMAX Zone 60HG digital	58
27115000	GEOMAX Zone 60DG basic	59
27116000	GEOMAX Zone 60DG pro	59
27117000	GEOMAX Zone 60DG digital	59
27118000	GEOMAX Zone 70DG basic	60
27119000	GEOMAX Zone 70DG pro	60
27120000	GEOMAX Zone 70DG digital	60
G739870	Scope	60
Pipe laser and accessories		
28004000	GEOMAX Zeta 125, class 2, universal target	62
28005000	GEOMAX Zeta 125, class 2, standard target	62
28001000	GEOMAX Zeta 125S, class 3, universal target	62
28003000	GEOMAX Zeta 125S, class 3, standard target	62
G815624	Clip-in target plate	63
G821876	Battery cable (12V)	63
G821877	Universal target plate adjustable	63
G821878	Standard target plate with bubble + legs	63
G821881	Leg depot compl.	63
G821883	Leg 150mm with rubber cap	63
G821884	Leg 200mm with rubber cap	63
G821885	Leg 250mm with rubber cap	63
G821886	Power pack Li-Ion	63
G821888	LDG125 charger	63
G829482	ZRC125 Remote control	63

Product directory sorted by categories

NESTLE

Item no.	Article description	Page
Pipe laser and accessories		
G840232	Automatic target board	63
Laser receivers		
27405000	GEOMAX Receiver basic ZRB90	65
27401000	GEOMAX Receiver pro ZRP105	66
27402000	GEOMAX Receiver digital ZRD105	67
27404000	GEOMAX Receiver digital ZRD105B	68
16813000	METOR Laser receiver	69
27600000	GEOMAX MR240 Machine receiver	70
27602000	GEOMAX MR360 Machine receiver	71
27604000	GEOMAX MR360RE Machine receiver	71
27601000	GEOMAX MD360 Remote display	71
Laser accessories		
13905000	NESTLE Inclination support for manual slopes	73
13908000	NESTLE Batter board supp. for rotat. Lasers	74
13909000	NESTLE Batter board supp. for laser receivers	74
13915000	NESTLE Tripod accessories pavement support	74
Laser rods		
18700000	NESTLE Laser staff	76
18701000	NESTLE Laser staff	76
18702000	NESTLE Laser staff	76
18915000	NESTLE Staff floor support	76
Locator		
27500000	GEOMAX Ezicat i500 Locator	78
27501000	GEOMAX Ezicat i550 Locator with depth estimation	78
27518000	GEOMAX Ezicat i750xf Locator with depth display function	78
27503000	GEOMAX Ezitex t100 signal transmitter	79
27508000	GEOMAX Ezitex t300 signal transmitter	79
27519000	GEOMAX Ezitex t300xf signal transmitter	79
27512000	GEOMAX Ezitex 8/33 kHz signal clamp	79
27504000	GEOMAX Ezirod 80 flexible rod 80m on drum	79
27505000	GEOMAX Ezirod 50 flexible rod 50m on drum	79
27506000	GEOMAX Ezirod 30 flexible rod 30m on drum	79
27511000	GEOMAX Sonde compact	79
27513000	GEOMAX Property connection set	79
27514000	GEOMAX Robust bag for Ezi system	79
Distancemeters		
16721000	LEICA DISTO D1	82
16715000	LEICA DISTO D110	83
16720000	LEICA DISTO D2	84
16707000	LEICA DISTO X310	85
16722000	LEICA DISTO X3	86
16723000	LEICA DISTO X4	86
22027000	LEICA DST 360 Set	86
16714000	LEICA DISTO D510	87
25000000	LEICA DISTO D810 touch	88
25002000	LEICA DISTO S910	89
25003000	LEICA DISTO S910 Set	89
25004000	LEICA DISTO S910 Set	89
DISTO-accessories		
13910000	NESTLE Pythagoras adaptor	91
13921000	NESTLE Pythagoras adaptor for BOSCH	91
22002000	Target plate, pluggable , GZM30	91
22022000	Target plate GZM3	91
22003000	Target plate, pluggable, DISTO D3-Serie	91
22004000	Target plate, pluggable, GZM27	91
22005000	Target plate A4, GZM26	91
21101000	NESTLE Laser glasses	91
22000000	Laser glasses GLB 30	91
22026000	Adaptor LSA360-S	92
22007000	Adaptor TA360	92
22015000	Adaptor FTA360 for D510 + D810	92
22019000	Adaptor FTA360 for S910	92
22008000	Charger UC20 including 2xAAA Akkus	92
22009000	Supporting loop for DISTO	92
22001000	Carrying bag for LEICA-DISTO	92
22023000	NESTLE LEICA aluminium tripod TRI 200	92
Measuring tapes		
18100000	Measuring tape 30m/A, Glass fibre, V-frame	94

Item no.	Article description	Page
Measuring tapes		
18101000	Measuring tape 50m/A, Glass fibre, V-frame	94
18102000	Measuring tape 20m/A, Glass fibre, metal frame	94
18103000	Measuring tape 10m/A, Glass fibre, casing	94
18104000	Measuring tape 20m/A, Glass fibre, casing	94
18110000	Measuring tape 30m/B, Glass fibre, V-frame	94
18111000	Measuring tape 50m/B, Glass fibre, V-frame	94
18112000	Measuring tape 20m/B, Glass fibre, metal frame	94
18113000	Measuring tape 10m/B, Glass fibre, casing	94
18114000	Measuring tape 20m/B, Glass fibre, casing	94
18121000	Measuring tape 50m/A, Glass fibre, casing	94
18105000	Measuring tape 100m/A, Steel, white coated, V-frame	95
18106000	Measuring tape 30m/A, Steel, white coated, metal frame	95
18107000	Measuring tape 50m/A, Steel, white coated, metal frame	95
18108000	Measuring tape 30m/A, Polysan, V-frame	95
18109000	Measuring tape 50m/A, Polysan, V-frame	95
18115000	Measuring tape 100m/B, Steel, white coated, V-frame	95
18116000	Measuring tape 30m/B, Steel, white coated, metal frame	95
18117000	Measuring tape 50m/B, Steel, white coated, metal frame	95
18118000	Measuring tape 50m/B, Polysan, V-frame	95
18119000	Measuring tape 30m/B, Polysan, V-frame	95
Telescopic meters		
18400001	TELEFIX 3m	97
18401001	TELEFIX 4m	97
18402001	TELEFIX 5m	97
18403001	TELEFIX 6m	97
18404001	TELEFIX 8m	97
18405001	TELEFIX 10m	97
18406001	TELEFIX 5G	97
18902000	Triangular tips TELEFIX, 2 pieces	97
18903000	Round tips TELEFIX, 2 pieces	97
18904000	Thread bolt TELEFIX, M8-5/8"	97
18905000	Geodesy adaptor prisms 5/8"-connection	97
18906000	Laser adaptor for 3,4,5+6m versions	97
18907000	Laser adaptor for 8+10m versions	97
18908000	Hook TELEFIX 35cm	97
18924000	Hook for Telefix, 70cm, foldable	97
18407000	TELEMAX 8m	98
18300001	TELEMAT 3m	99
18301001	TELEMAT 4m	99
18302001	TELEMAT 5m	99
18305001	TELEMAT 5m with hook, bag and bubble	99
Manhole cover lifter		
21000000	NESTLE Manhole cover lifter	101
21001000	Extension manhole cover lifter	102
21002000	Heavy duty hook 15x15mm	102
21003000	Heavy duty hook 12x8mm	102
21004000	Heavy duty hook for gasoline traps	102
21005000	Heavy duty hook, angled rearwards	102
21006000	Heavy duty hook, round	102
21011000	Heavy duty hook, round, 90° angular, short	102
21008000	Standard hook 12x12mm	102
21009000	Cam hook	102
Warning pyramids		
19000001	WAPY 70, heavy frame, white cover, VZ101	104
19004001	WAPY 90, heavy frame, white cover, VZ101	104
19100001	WAPY 70, heavy frame, white cover, VZ123	104
19104001	WAPY 90, heavy frame, white cover, VZ123	104
19200001	WAPY 70, heavy frame, white cover, cigarette	104
19204001	WAPY 90, heavy frame, white cover, cigarette	104
19400001	WAPY 70, light frame, white cover, VZ101	104
19404001	WAPY 90, light frame, white cover, VZ101	104
19500001	WAPY 70, light frame, white cover, VZ123	104
19504001	WAPY 90, light frame, white cover, VZ123	104
19600001	WAPY 70, light frame, white cover, cigarette	104
19604001	WAPY 90, light frame, white cover, cigarette	104
19900000	Additional weight heavy frame, 1,1 kg	104
19901000	Additional weight light frame, 2 kg	104
19002001	WAPY 70, heavy frame, retro-reflecting cover, VZ101	105

Product directory sorted by categories

NESTLE

Item no.	Article description	Page
Warning pyramids		
19006001	WAPY 90, heavy frame, retro-reflecting cover, VZ101	105
19102001	WAPY 70, heavy frame,retro-reflecting cover, VZ123	105
19106001	WAPY 90, heavy frame, retro-reflecting cover, VZ123	105
19202001	WAPY 70, heavy frame, retro-reflecting cover, cigarette	105
19206001	WAPY 90, heavy frame, retro-reflecting cover, cigarette	105
19402001	WAPY 70, light frame, retro-reflecting cover, VZ101	105
19406001	WAPY 90, light frame, retro-reflecting cover, VZ101	105
19502001	WAPY 70, light frame, retro-reflecting cover, VZ123	105
19506001	WAPY 90, light frame, retro-reflecting cover, VZ123	105
19602001	WAPY 70, light frame,retro-reflecting cover, cigarette	105
19606001	WAPY 90, light frame, retro-reflecting cover, cigarette	105
19905000	Magnetic base for warning pyramids	105
19001001	WAPY 70, heavy frame, yellow cover, VZ101	106
19003001	WAPY 70, heavy frame, reflecting yellow cover, VZ101	106
19005001	WAPY 90, heavy frame, yellow cover, VZ101	106
19007001	WAPY 90, heavy frame, reflecting yellow cover, VZ101	106
19101001	WAPY 70, heavy frame, yellow cover, VZ123	106
19103001	WAPY 70, heavy frame, reflecting yellow cover, VZ123	106
19105001	WAPY 90, heavy frame, yellow cover, VZ123	106
19107001	WAPY 90, heavy frame, reflecting yellow cover, VZ123	106
19201001	WAPY 70, heavy frame, yellow cover, cigarette	106
19203001	WAPY 70, heavy frame, reflecting yellow cover, cigarette	106
19205001	WAPY 90, heavy frame, yellow cover, cigarette	106
19207001	WAPY 90, heavy frame, reflecting yellow cover, cigarette	106
19401001	WAPY 70, light frame, yellow cover, VZ101	106
19403001	WAPY 70, light frame, reflecting yellow cover, VZ101	106
19405001	WAPY 90, light frame, yellow cover, VZ101	106
19407001	WAPY 90, light frame, reflecting yellow cover, VZ101	106
19501001	WAPY 70, light frame, yellow cover, VZ123	106
19503001	WAPY 70, light frame, reflecting yellow cover, VZ123	106
19505001	WAPY 90, light frame, yellow cover, VZ123	106
19507001	WAPY 90, light frame, reflecting yellow cover, VZ123	106
19601001	WAPY 70, light frame, yellow cover, cigarette	106
19603001	WAPY 70, light frame, reflecting yellow cover, cigarette	106
19605001	WAPY 90, light frame, yellow cover, cigarette	106
19607001	WAPY 90, light frame, reflecting yellow cover, cigarette	106
Warning products		
19810000	NESTLE LED warning light, red	107
19812000	NESTLE LED warning light, yellow	107
19813000	NESTLE LED warning lights set, orange	107
19818000	NESTLE LED warning light, orange	107
19819000	NESTLE plummet hook butler	107
19902000	Warning lamp "starLED" for	107
19903000	Warning lamp "Optima2001"	107
19904000	Battery for warning lamps	107
19806000	NESTLE Traffic cone white-red, 32cm	108
19807000	NESTLE Traffic cone white-red, 50cm	108
19802000	Warning flag, white/orange/white, 50x50cm	109
19803000	Warning flag, white/orange/white, 75x75cm	109
19804000	Warning flag, white/red/white, 50x50cm	109
19805000	Warning flag, white/red/white, 75x75cm	109
19907000	Flags mount for Warning pyramid	109
Theodolites		
15105000	NESTLE BC-7 Theodolite	111
15103000	NESTLE Theodolite DT-405	112
15104000	NESTLE Theodolite DT-405L	112
15902000	Diagonal eyepiece for DT-205C/CL	112
27011000	GEOMAX Zipp02 Theodolite, electronic	113
Automatic levels		
27010000	GEOMAX ZDL700 Digital level	115
27022000	GEOMAX ZSF301 Barcode levelling staff 3m	115
27023000	GEOMAX GSS111 Barcode levelling staff 5m	115
15000001	NESTLE NAL20 Automatic level	118
15001001	NESTLE Automatic level set NAL20	118
15002001	NESTLE NAL24 Automatic level	118
15003001	NESTLE Automatic level set NAL24	118
15004001	NESTLE NAL28 Automatic level	118
15005001	NESTLE Automatic level set NAL28	118

Item no.	Article description	Page
Automatic levels		
15006001	NESTLE NAL32 Automatic level	118
15007001	NESTLE Automatic level set NAL32	118
15008001	NESTLE NLS20 Automatic level	119
15009001	NESTLE Automatic level set NLS20	119
15010001	NESTLE NLS24 Automatic level	119
15011001	NESTLE Automatic level set NLS24	119
15012001	NESTLE NLS32 Automatic level	119
15013001	NESTLE Automatic level set NLS32	119
27000000	GEOMAX ZAL120 Automatic level	120
27001000	GEOMAX ZAL124 Automatic level	120
27002000	GEOMAX ZAL132 Automatic level	120
27012000	GEOMAX ZAL120 Automatic level set	120
27013000	GEOMAX ZAL124 Automatic level set	120
27014000	GEOMAX ZAL132 Automatic level set	120
27003000	GEOMAX ZAL220 Automatic level	121
27004000	GEOMAX ZAL224 Automatic level	121
27005000	GEOMAX ZAL232 Automatic level	121
27015000	GEOMAX ZAL220 Automatic level set	121
27016000	GEOMAX ZAL224 Automatic level set	121
27017000	GEOMAX ZAL232 Automatic level set	121
27006000	GEOMAX ZAL320 Automatic level	122
27007000	GEOMAX ZAL324 Automatic level	122
27008000	GEOMAX ZAL328 Automatic level	122
27009000	GEOMAX ZAL330 Automatic level	122
27018000	GEOMAX ZAL320 Automatic level set	122
27019000	GEOMAX ZAL324 Automatic level set	122
27020000	GEOMAX ZAL328 Automatic level set	122
27021000	GEOMAX ZAL330 Automatic level	122
Clamp holder		
13907000	NESTLE Batter board support	124
Prism and GNSS poles		
14000000	NESTLE Prism pole Mini	127
14001000	NESTLE Prism pole Mini	127
14002000	NESTLE Prism pole Midi	128
14003000	NESTLE Prism pole Midi	128
14004000	NESTLE Prism pole screw clamp., 130-215cm	129
14005000	NESTLE Prism pole button clamping	130
14014000	NESTLE Prism pole button clamping Wild-adaptor	130
14032000	NESTLE Prism pole 260 PR-1, 150-260cm	131
14031000	NESTLE Prism pole 350 PK-1, 151-365cm	132
14028000	NESTLE Prism pole PG-2, without screwable sand plate	133
14030000	NESTLE Prism pole PG-2, with screwable sand plate	133
14944000	Bag for prism poles	133
14023000	NESTLE Prism pole PS-9, 115-200cm	134
14010000	NESTLE GPS pole two part	135
14011000	NESTLE GPS pole two part, cable guiding	135
14902000	5/8"-5/8"-extension PE-210, 100cm	136
14903000	Leica/Wild-extension PE-310, 100cm	136
14900000	5/8"-5/8"-extension PE-25, 50cm	136
14901000	Leica/Wild-extension PE-35, 50cm	136
14941000	5/8" - 5/8"-extension PE-23, 30cm	136
14942000	Leica - Leica-extension PE-33, 30cm	136
14939000	5/8" - 5/8"-extension PE-21, 10cm	136
14940000	Leica - Leica-extension PE-31, 10cm	136
14920000	Prism adaptor Wild/Leica to 5/8"	137
14921000	Prism adaptor 5/8" internal thread	137
14922000	Prism adaptor Leica-Mini-Prism 1/4" x 20	137
14923000	Prism adaptor 5/8" internal thread	137
14924000	Prism adaptor Leica connection e.g. GPH1	137
14925000	Prism adaptor Zeiss KTR1N	137
14926000	Prism adaptor Glunz GPH1150/1160	137
14927000	Prism adaptor Nikon, tilt axis 110mm	137
14928000	Prism adaptor Sokkia Pyramid	137
14929000	Prism adaptor Sokkia AP-series	137
14930000	Prism adaptor TOPCON5010, tilt axis 78mm	137
14931000	Prism adaptor TOPCON, tilt axis 125mm	137
14932000	Prism adapt.5/8" for Geodimeter-prism600	137
14933000	Prism adaptor Universal adaptor 5/8"-KM	137

Product directory sorted by categories

NESTLE

Item no.	Article description	Page
Prism and GNSS poles		
14934000	GPS adaptor prism poles, GPS antennas	137
14935000	Adaptor for prism/GPS pole no. 14009000	137
14955000	Prism adaptor 5/8" - 5/8", 50mm	137
14937000	Prism adaptor ATP-1	137
14939000	NESTLE Extension for prism pole, 5/8" - 5/8", 10cm	137
14209000	Adapter for scan sphere	137
14950000	NESTLE Bipod	138
14956000	Tip with screwable topo shoe	138
14960000	Minibipod - placing aid for poles	139
14919000	Prism pole topo shoe, screw connection	139
14905000	Holder for FC 25/SHC 25	140
14908000	Holder for FC-200	140
14909000	Holder for FC-2500	140
14910000	Holder for GRS1/GMS2	140
14911000	Holder for Getac FC-25A	140
14912000	Holder forGetac PS236	140
14917000	Pole bracket for FC-200/250	140
14918000	Pole bracket GRS-1/GMS-2	140
14936000	Pole mount Tesla	140
14938001	Calculator holder	140
14958000	Holder for FC-500	140
14957000	Pole holder for FC-500	140
14943000	Pole mount Getac	140
14963000	Calculator holder	140
14971000	Computer holder with clamp for 10"	140
14974000	Computer holder for Mesa 2	140
14916000	Bubble level for poles	140
14947000	Pole bracket with compass	140
14965000	Pole bracket with compass	140
14964000	Controller holder 360°, with ball connector	140
14964021	Controller holder 360°, Leica	140
14970000	Controller holder 360°, with pin connector	140
14975000	Controller holder 360°, with diagonal-carrier	140
14959000	Pole holder for tripod head 5/8"	140
14961000	Pole holder for tripod leg	140
Prism		
14100000	NESTLE Prism Leica style GPR1	142
14101000	NESTLE Prism Mini prism set	142
14102000	NESTLE Prism offset -30mm, 5/8"-connection	142
14103000	NESTLE Universalprism GPR1-SE, LEICA	142
14104000	NESTLE Universalprism GPR1-SE, 5/8"	142
14105001	NESTLE reflective target 40x40mm yellow	142
Scan sphere		
14200000	NESTLE scan sphere with magnet	143
14201000	Scan sphere pole wood, 1,30m	143
14202000	Scan sphere Traffic cone PVC, white-red, 50cm	143
14203000	Scan sphere mini tripod	143
14204000	Carrying case for 6 scan spheres	143
14205000	Carrying bag for 6 scan spheres	143
14206000	6 x scan sphere no. 14200000 + bag	143
14207000	6 x scan sphere no. 14200000 + case	143
Leveling staffs		
18200000	Levelling staff, E-partition, back: mm-partition	145
18201000	Levelling staff, 3m E-partition	145
18202000	Levelling staff, 4m E-partition	145
18203000	Levelling staff, 5m E-partition	145
18205000	Levelling staff, 7m E-partition	145
18206000	Levelling staff, 7m E-partition, back: mm-partition	145
18208000	Levelling staff, 7m, glass fibre E-partition	145
18912000	Bubble level for telescopic staffs 3-5m	145
15905000	NESTLE bag for automatic level set	145
18209000	Levelling staff, 4m E-partition	145
18204000	Levelling staff, 5m, Front: mm-partition	146
18911000	Bubble level for telescopic staffs 3-5m	146
18913000	Bag for telescopic staffs 3-5m	146
18507000	Folding levelling rod Wood, 2m/38cm	147
18508000	Folding levelling rod Wood, 3m/38cm	147
18509000	Folding levelling rod Wood, 3m/50cm	147

Item no.	Article description	Page
Leveling staffs		
18510000	Folding levelling rod Wood, 4m/50cm	147
18512000	Folding meter Wood, 3m	147
18513000	Folding meter Wood, 4m	147
18514000	Folding meter Wood, 5m	147
11911000	Staff level metal adjustable	148
11912000	Staff level metal non-adjustable	148
18900000	Base plate, levelling support	148
18914000	Floor support	148
13901000	Tripod adaptor levelling staffs	149
Ranging poles		
11000000	Wood, Round tip, light version, length 2m	151
11001000	Wood, Round tip, light version, length 2m, r/w	151
11002000	Wood, Triangular tip, light version, length 2m	151
11003000	Wood, Round tip, 3-splice joint, length 2m	151
11004000	Wood, Triangular tip, length 2m	151
11005000	Wood, Round tip, length 2,16m, luminous red	151
11006000	Wood, Triangular tip, length 2,16m	151
11007000	Wood, Triangular design, 2m, set = 6 pieces	151
11100000	Steel, Round tip, length 2m	152
11101000	Steel, Round tip, length 2m, r/w	152
11102000	Steel, Round tip, jointable, length 2,16m	152
Ranging poles accessories		
11900000	Ranging pole support mini	154
11901000	Ranging pole support with jaw clamp, 100cm, flex. Legs	154
11902000	Ranging pole support with jaw clamp, 100cm	154
11903000	Ranging pole support with ring clamp, 100cm	154
11904000	Ranging pole support heavy duty with jaw clamp, 100cm	155
11905000	Ranging pole support heavy duty with ring clamp,100cm	155
11906000	NESTLE Ranging pole bag	156
21116000	NESTLE Chaining pin	157
21117000	NESTLE Boning rods wood	157
21118000	NESTLE Boning rods metal stand	157
Penta prism + Optical square		
11908000	NESTLE Double penta prism	159
11909000	NESTLE Optical square 90°	160
Plummet poles		
11200000	NESTLE Plummet pole wood	161
11910000	NESTLE Adaptor for plummet pole	161
11201000	NESTLE Plummet pole aluminium	162
Field book frames		
21107000	NESTLE Field book frame Wood, DIN A4	164
21109000	NESTLE Field book frame Wood, DIN A3	164
21111000	NESTLE Field book frame Wood, DIN A2	164
21112000	NESTLE Field book frame Synthetic, DIN A4	164
21113000	NESTLE Field book frame Synthetic, DIN A3	164
21114000	NESTLE Drawing support Quick-Line	164
21115000	NESTLE Drawing support Quick-Line	164
21128000	NESTLE field table DIN A2, light version	164
Survey umbrella		
21104000	Survey umbrella, diameter 2m	166
21105000	Carrying bag for survey umbrella	166
21106000	Ground spike for survey umbrella	166
Wall calipers		
21102000	NESTLE Wall caliper 60cm	168
21103000	NESTLE Wall caliper 100cm	168
Gauge boards		
18500000	Gauge board black, starting at buttom	170
18501000	Gauge board black, starting on top	170
18502000	Gauge board red, starting at buttom	170
18503000	Gauge board red, starting on top	170
Snow poles		
11300000	NESTLE Snow pole wood 1,5m	172
11301000	NESTLE Snow pole wood 2,0m	172
11302000	NESTLE Snow pole wood 2,5m	172
11303000	NESTLE Snow pole steel 1,5m	172
11304000	NESTLE Snow pole steel 2,0m	172
11305000	NESTLE Snow pole steel 2,5m	172

Product directory sorted by categories

NESTLE

Item no.	Article description	Page
Foresty calipers		
16600001	NESTLE FH50 tree trunk meter	175
20200000	NESTLE Forestry caliper Waldfix 40	176
20201000	NESTLE Forestry caliper Waldfix 40 calibrated	176
20202000	NESTLE Forestry caliper Waldfix 50	176
20203000	NESTLE Forestry caliper Waldfix 50 calibrated	176
20204000	NESTLE Forestry caliper Waldfix 60	176
20205000	NESTLE Forestry caliper Waldfix 60 calibrated	176
20400001	NESTLE Forestry caliper Fuchs	177
20401001	NESTLE Forestry caliper Fuchs, calibrated	177
20000001	NESTLE Forestry caliper Waldmeister 40 calibrated	178
20001001	NESTLE Forestry caliper Waldmeister 40	178
20002001	NESTLE Forestry caliper Waldmeister 60 calibrated	178
20003001	NESTLE Forestry caliper Waldmeister 60	178
20004001	NESTLE Forestry caliper Waldmeister 80 calibrated	178
20005001	NESTLE Forestry caliper Waldmeister 80	178
20006001	NESTLE Forestry caliper Waldmeister 100 calibrated	178
20007001	NESTLE Forestry caliper Waldmeister 100	178
20100001	NESTLE Forestry caliper Waldfreund 60	179
20101001	NESTLE Forestry caliper Waldfreund 60 calibrated	179
20102001	NESTLE Forestry caliper Waldfreund 80	179
20103001	NESTLE Forestry caliper Waldfreund 80 calibrated	179
20104001	NESTLE Forestry caliper Waldfreund 100	179
20105001	NESTLE Forestry caliper Waldfreund 100 calibrated	179
20300001	NESTLE Forestry caliper Specht 60cm	180
20301001	NESTLE Forestry caliper Specht 80cm	180
20302001	NESTLE Forestry caliper Specht 100cm	180
Wood working		
20500000	NESTLE Marking meter, alu	182
20900000	Hand counter "PRIMAT"	182
20501000	NESTLE Marking meter, wood	183
20502000	NESTLE Marking meter, wood	183
20600000	NESTLE Trimming support Kolibri 25	184
20601000	NESTLE Trimming support Kolibri 33	184
20602000	NESTLE Trimming support Kolibri 50	184
20603000	NESTLE Trimming support Kolibri 100	184
20605000	NESTLE Trimming support Kolibri 100-v, variable stop	184
20604001	NESTLE Holzmichel Sawbuck	185

Product directory sorted by model no.

NESTLE

Item no.	Article description	Page
11 Ranging poles		
11000000	Wood, Round tip, light version, length 2m	151
11001000	Wood, Round tip, light version, length 2m, r/w	151
11002000	Wood, Triangular tip, light version, length 2m	151
11003000	Wood, Round tip, 3-splice joint, length 2m	151
11004000	Wood, Triangular tip, length 2m	151
11005000	Wood, Round tip, length 2,16m, luminous red	151
11006000	Wood, Triangular tip, length 2,16m	151
11007000	Wood, Triangular design, 2m, set = 6 pieces	151
11100000	Steel, Round tip, length 2m	152
11101000	Steel, Round tip, length 2m, r/w	152
11102000	Steel, Round tip, jointable, length 2,16m	152
11200000	NESTLE Plummet pole wood	161
11201000	NESTLE Plummet pole aluminium	162
11300000	NESTLE Snow pole wood 1,5m	172
11301000	NESTLE Snow pole wood 2,0m	172
11302000	NESTLE Snow pole wood 2,5m	172
11303000	NESTLE Snow pole steel 1,5m	172
11304000	NESTLE Snow pole steel 2,0m	172
11305000	NESTLE Snow pole steel 2,5m	172
11900000	Ranging pole support mini	154
11901000	Ranging pole support with jaw clamp, 100cm, flex. Legs	154
11902000	Ranging pole support with jaw clamp, 100cm	154
11903000	Ranging pole support with ring clamp, 100cm	154
11904000	Ranging pole support heavy duty with jaw clamp, 100cm	155
11905000	Ranging pole support heavy duty with ring clamp,100cm	155
11906000	NESTLE Ranging pole bag	156
11908000	NESTLE Double penta prism	159
11909000	NESTLE Optical square 90°	160
11910000	NESTLE Adaptor for plummet pole	161
11911000	Staff level metal adjustable	148
11912000	Staff level metal non-adjustable	148
12 Measuring wheels		
12000001	Precision model, full wheel	6
12002001	Standard model, full wheel	7
12004001	Precision model, spoke wheel	6
12006001	Standard model, spoke wheel	7
12008000	Light version, spoke wheel	9
12010001	Spoke wheel, hand brake, acc.0,05%	10
12012001	Synthetic, Light version, accuracy ± 0,05%	8
12014000	Small plastic wheel	11
12015001	Big wheel for off-highway measurements	12
12900000	Carrying case for NESTLE standard and	6
12901000	Carrying bag for NESTLE standard and	6
12902000	Support for rail measurements	6
12903000	Carrying bag for model no. 12014000	11
13 Tripods		
13000000	Levelling tripod aluminium	15
13001000	Levelling tripod aluminium	16
13100000	Levelling tripod aluminium	17
13101000	Levelling tripod aluminium	18
13102000	Levelling tripod aluminium, Heavy duty	19
13103000	Levelling tripod aluminium, Heavy duty	20
13104000	Levelling tripod aluminium, Heavy duty	19
13105000	Levelling tripod aluminium	17
13200000	Elevating tripod aluminium, Light version	21
13201000	Elevating tripod aluminium, Light version	21
13202000	Elevating tripod aluminium, Light version	21
13300000	Elevating tripod aluminium, Medium Version	22
13301000	Elevating tripod aluminium, Medium Version	22
13302000	Elevating tripod aluminium, Medium Version	22
13400000	Elevating tripod aluminium, Medium Version	23
13401000	Elevating tripod aluminium, Medium Version	23
13402000	Elevating tripod aluminium, Medium Version	23
13403000	Elevating tripod aluminium, Medium Version	23
13500000	Elevating tripod aluminium, Heavy version	24
13501000	Elevating tripod aluminium, Heavy version	24
13502000	Elevating tripod aluminium, Heavy version	24
13503000	Elevating tripod aluminium, Heavy version	25

Item no.	Article description	Page
13 Tripods		
13600000	Heavy elevating tripod aluminium	26
13601000	Heavy elevating tripod aluminium	26
13610000	Manhole tripod aluminium	27
13700000	Tripod wood PVC	29
13701000	Tripod wood PVC	29
13702000	Tripod wood, Heavy duty	30
13703000	Tripod wood, Heavy duty	30
13704000	Tripod wood, Heavy duty	30
13705000	Tripod wood, Heavy duty	30
13706000	Carbon tripod GEO Delta	28
13707000	Carbon tripod GEO Omega	28
13708000	Tripod wood Max-I, Heavy duty	31
13709000	Tripod wood Min-I, Heavy duty	32
13710000	Tripod wood Mid-I, Heavy duty	32
13900000	Tripod dolly	33
13901000	Tripod adaptor levelling staffs	149
13902000	NESTLE tripod adaptor 5/8" to 5/8"	48
13905000	NESTLE Inclination support for manual slopes	73
13907000	NESTLE Batter board support	124
13908000	NESTLE Batter board supp. for rotat. Lasers	74
13909000	NESTLE Batter board supp. for laser receivers	74
13910000	NESTLE Pythagoras adaptor	91
13911000	Camera tripod	34
13912000	Tripod accessories, Tripod stand for smooth surfaces	33
13913000	Tripod accessories, Rubber cover set with rivets	33
13914000	Tripod accessories, Extension 66cm for elevating tripods	33
13915000	NESTLE Tripod accessories pavement support	74
13916000	Tripod accessories, Carrying bag for tripods	33
13919000	Tripod accessories, tripod cover	30
13920000	Tripod accessories, carrying strap	30
13921000	NESTLE Pythagoras adaptor for BOSCH	91
13922000	NESTLE Horizontal adaption for lasers	48
13923000	NESTLE tripod adaptor 5/8" to 1/4"	48
13926000	Extension 100cm	27
13927000	Tripod accessories, tripod cover	30
13929000	Tripod accessories, Tripod stand for smooth surfaces	33
13930000	Scanner quick coupling complete	27
13931001	Tripod accessories, Carrying bag	28
13935000	NESTLE tripod warning kilt	31
14 Prism and GNSS poles		
14000000	NESTLE Prism pole Mini	127
14001000	NESTLE Prism pole Mini	127
14002000	NESTLE Prism pole Midi	128
14003000	NESTLE Prism pole Midi	128
14004000	NESTLE Prism pole screw clamp., 130-215cm	129
14005000	NESTLE Prism pole button clamping	130
14010000	NESTLE GPS pole two part	135
14011000	NESTLE GPS pole two part, cable guiding	135
14014000	NESTLE Prism pole button clamping Wild-adaptor	130
14023000	NESTLE Prism pole PS-9, 115-200cm	134
14028000	NESTLE Prism pole PG-2, without screwable sand plate	133
14030000	NESTLE Prism pole PG-2, with screwable sand plate	133
14031000	NESTLE Prism pole 350 PK-1, 151-365cm	132
14032000	NESTLE Prism pole 260 PR-1, 150-260cm	131
14100000	NESTLE Prism Leica style GPR1	142
14101000	NESTLE Prism Mini prism set	142
14102000	NESTLE Prism offset -30mm, 5/8"-connection	142
14103000	NESTLE Universalprism GPR1-SE, LEICA	142
14104000	NESTLE Universalprism GPR1-SE, 5/8"	142
14105001	NESTLE reflective target 40x40mm yellow	142
14200000	NESTLE scan sphere with magnet	143
14201000	Scan sphere pole wood, 1,30m	143
14202000	Scan sphere Traffic cone PVC, white-red, 50cm	143
14203000	Scan sphere mini tripod	143
14204000	Carrying case for 6 scan spheres	143
14205000	Carrying bag for 6 scan spheres	143
14206000	6 x scan sphere no. 14200000 + bag	143
14207000	6 x scan sphere no. 14200000 + case	143

Product directory sorted by model no.

NESTLE

Item no.	Article description	Page
14 Prism and GNSS poles		
14209000	Adapter for scan sphere	137
14900000	5/8"-5/8"-extension PE-25, 50cm	136
14901000	Leica/Wild-extension PE-35, 50cm	136
14902000	5/8"-5/8"-extension PE-210, 100cm	136
14903000	Leica/Wild-extension PE-310, 100cm	136
14905000	Holder for FC 25/SHC 25	140
14908000	Holder for FC-200	140
14909000	Holder for FC-2500	140
14910000	Holder for GRS1/GMS2	140
14911000	Holder for Getac FC-25A	140
14912000	Holder forGetac PS236	140
14916000	Bubble level for poles	140
14917000	Pole bracket for FC-200/250	140
14918000	Pole bracket GRS-1/GMS-2	140
14919000	Prism pole topo shoe, screw connection	139
14920000	Prism adaptor Wild/Leica to 5/8"	137
14921000	Prism adaptor 5/8" internal thread	137
14922000	Prism adaptor Leica-Mini-Prism 1/4" x 20	137
14923000	Prism adaptor 5/8" internal thread	137
14924000	Prism adaptor Leica connection e.g. GPH1	137
14925000	Prism adaptor Zeiss KTR1N	137
14926000	Prism adaptor Glunz GPH1150/1160	137
14927000	Prism adaptor Nikon, tilt axis 110mm	137
14928000	Prism adaptor Sokkia Pyramid	137
14929000	Prism adaptor Sokkia AP-series	137
14930000	Prism adaptor TOPCON5010, tilt axis 78mm	137
14931000	Prism adaptor TOPCON, tilt axis 125mm	137
14932000	Prism adapt.5/8" for Geodimeter-prism600	137
14933000	Prism adaptor Universal adaptor 5/8"-KM	137
14934000	GPS adaptor prism poles, GPS antennas	137
14935000	Adaptor for prism/GPS pole no. 14009000	137
14936000	Pole mount Tesla	140
14937000	Prism adaptor ATP-1	137
14938001	Calculator holder	140
14939000	5/8" - 5/8"-extension PE-21, 10cm	136
14939000	NESTLE Extension for prism pole, 5/8" - 5/8", 10cm	137
14940000	Leica - Leica-extension PE-31, 10cm	136
14941000	5/8" - 5/8"-extension PE-23, 30cm	136
14942000	Leica - Leica-extension PE-33, 30cm	136
14943000	Pole mount Getac	140
14944000	Bag for prism poles	133
14947000	Pole bracket with compass	140
14950000	NESTLE Bipod	138
14955000	Prism adaptor 5/8" - 5/8", 50mm	137
14956000	Tip with screwable topo shoe	138
14957000	Pole holder for FC-500	140
14958000	Holder for FC-500	140
14959000	Pole holder for tripod head 5/8"	140
14960000	Minibipod - placing aid for poles	139
14961000	Pole holder for tripod leg	140
14963000	Calculator holder	140
14964000	Controller holder 360°, with ball connector	140
14964021	Controller holder 360°, Leica	140
14965000	Pole bracket with compass	140
14970000	Controller holder 360°, with pin connector	140
14974000	Computer holder for Mesa 2	140
14971000	Computer holder with clamp for 10"	140
14975000	Controller holder 360°, with diagonal-carrier	140
15 Levels / Theodolites		
15000001	NESTLE NAL20 Automatic level	118
15001001	NESTLE Automatic level set NAL20	118
15002001	NESTLE NAL24 Automatic level	118
15003001	NESTLE Automatic level set NAL24	118
15004001	NESTLE NAL28 Automatic level	118
15005001	NESTLE Automatic level set NAL28	118
15006001	NESTLE NAL32 Automatic level	118
15007001	NESTLE Automatic level set NAL32	118
15008001	NESTLE NLS20 Automatic level	119

Item no.	Article description	Page
15 Levels / Theodolites		
15009001	NESTLE Automatic level set NLS20	119
15010001	NESTLE NLS24 Automatic level	119
15011001	NESTLE Automatic level set NLS24	119
15012001	NESTLE NLS32 Automatic level	119
15013001	NESTLE Automatic level set NLS32	119
15103000	NESTLE Theodolite DT-405	112
15104000	NESTLE Theodolite DT-405L	112
15105000	NESTLE BC-7 Theodolite	111
15902000	Diagonal eyepiece for DT-205C/CL	112
15905000	NESTLE bag for automatic level set	145
16 Laser / Receiver / Distancemeters		
16000001	NESTLE PULSAR H	51
16001001	NESTLE PULSAR HV-R	52
16002001	NESTLE PULSAR HV-G	52
16003001	NESTLE PULSAR 2S	53
16100001	NESTLE Octoliner	41
16101001	NESTLE Octoliner incl. detector DECTO	41
16102001	NESTLE Crossline laser NCL-2	43
16114001	NESTLE Octoliner G	42
16600001	NESTLE FH50 tree trunk meter	175
16707000	LEICA DISTO X310	85
16714000	LEICA DISTO D510	87
16715000	LEICA DISTO D110	83
16719000	LEICA LINO L4P1	46
16720000	LEICA DISTO D2	84
16721000	LEICA DISTO D1	82
16722000	LEICA DISTO X3	86
16723000	LEICA DISTO X4	86
16724000	LEICA LINO L2	44
16725000	LEICA LINO L2G+	44
16726000	LEICA LINO P5	47
16727000	LEICA LINO L2P5	45
16728000	LEICA LINO L2P5G	45
16813000	METOR Laser receiver	69
16814000	DECTO, detector for point-/linelasers	41
16829000	Decto-G Receiver	42
17 Angle gauges / Spirit levels		
17003000	NESTLE DIGIT 100 Angle gauge	37
17004001	NESTLE DIGIT 35 Angle gauge	36
17005001	NESTLE DIGIT 50 Angle gauge	36
17100001	NESTLE DIWA 60 Digital spirit level	38
17101001	NESTLE DIWA 100 Digital spirit level	38
17900000	NESTLE Bag for DIGIT 35	36
17901000	NESTLE Bag for DIGIT 50	36
18 Measuring tapes / Levelling staffs		
18100000	Measuring tape 30m/A, Glass fibre, V-frame	94
18101000	Measuring tape 50m/A, Glass fibre, V-frame	94
18102000	Measuring tape 20m/A, Glass fibre, metal frame	94
18103000	Measuring tape 10m/A, Glass fibre, casing	94
18104000	Measuring tape 20m/A, Glass fibre, casing	94
18105000	Measuring tape 100m/A, Steel, white coated, V-frame	95
18106000	Measuring tape 30m/A, Steel, white coated, metal frame	95
18107000	Measuring tape 50m/A, Steel, white coated, metal frame	95
18108000	Measuring tape 30m/A, Polysan, V-frame	95
18109000	Measuring tape 50m/A, Polysan, V-frame	95
18110000	Measuring tape 30m/B, Glass fibre, V-frame	94
18111000	Measuring tape 50m/B, Glass fibre, V-frame	94
18112000	Measuring tape 20m/B, Glass fibre, metal frame	94
18113000	Measuring tape 10m/B, Glass fibre, casing	94
18114000	Measuring tape 20m/B, Glass fibre, casing	94
18115000	Measuring tape 100m/B, Steel, white coated, V-frame	95
18116000	Measuring tape 30m/B, Steel, white coated, metal frame	95
18117000	Measuring tape 50m/B, Steel, white coated, metal frame	95
18118000	Measuring tape 50m/B, Polysan, V-frame	95
18119000	Measuring tape 30m/B, Polysan, V-frame	95
18121000	Measuring tape 50m/A, Glass fibre, casing	94
18200000	Levelling staff, E-partition, back: mm-partition	145

Product directory sorted by model no.

NESTLE

Item no.	Article description	Page
18 Measuring tapes / Levelling staffs		
18201000	Levelling staff, 3m E-partition	145
18202000	Levelling staff, 4m E-partition	145
18203000	Levelling staff, 5m E-partition	145
18204000	Levelling staff, 5m, Front: mm-partition	146
18205000	Levelling staff, 7m E-partition	145
18206000	Levelling staff, 7m E-partition, back: mm-partition	145
18208000	Levelling staff, 7m, glass fibre E-partition	145
18209000	Levelling staff, 4m E-partition	145
18300001	TELEMAT 3m	99
18301001	TELEMAT 4m	99
18302001	TELEMAT 5m	99
18305001	TELEMAT 5m with hook, bag and bubble	
18400001	TELEFIX 3m	97
18401001	TELEFIX 4m	97
18402001	TELEFIX 5m	97
18403001	TELEFIX 6m	97
18404001	TELEFIX 8m	97
18405001	TELEFIX 10m	97
18406001	TELEFIX 5G	97
18407000	TELEMAX 8m	98
18500000	Gauge board black, starting at buttom	170
18501000	Gauge board black, starting on top	170
18502000	Gauge board red, starting at buttom	170
18503000	Gauge board red, starting on top	170
18507000	Folding levelling rod Wood, 2m/38cm	147
18508000	Folding levelling rod Wood, 3m/38cm	147
18509000	Folding levelling rod Wood, 3m/50cm	147
18510000	Folding levelling rod Wood, 4m/50cm	147
18512000	Folding meter Wood, 3m	147
18513000	Folding meter Wood, 4m	147
18514000	Folding meter Wood, 5m	147
18700000	NESTLE Laser staff	76
18701000	NESTLE Laser staff	76
18702000	NESTLE Laser staff	76
18900000	Base plate, levelling support	148
18902000	Triangular tips TELEFIX, 2 pieces	97
18903000	Round tips TELEFIX, 2 pieces	97
18904000	Thread bolt TELEFIX, M8-5/8"	97
18905000	Geodesy adaptor prisms 5/8"-connection	97
18906000	Laser adaptor for 3,4,5+6m versions	97
18907000	Laser adaptor for 8+10m versions	97
18908000	Hook TELEFIX 35cm	97
18911000	Bubble level for telescopic staffs 3-5m	146
18912000	Bubble level for telescopic staffs 3-5m	145
18913000	Bag for telescopic staffs 3-5m	146
18914000	Floor support	148
18915000	NESTLE Staff floor support	76
18924000	Hook for Telefix, 70cm, foldable	97
19 Work protection		
19000001	WAPY 70, heavy frame, white cover, VZ101	104
19001001	WAPY 70, heavy frame, yellow cover, VZ101	106
19002001	WAPY 70, heavy frame, retro-reflecting cover, VZ101	105
19003001	WAPY 70, heavy frame, reflecting yellow cover, VZ101	106
19004001	WAPY 90, heavy frame, white cover, VZ101	104
19005001	WAPY 90, heavy frame, yellow cover, VZ101	106
19006001	WAPY 90, heavy frame, retro-reflecting cover, VZ101	105
19007001	WAPY 90, heavy frame, reflecting yellow cover, VZ101	106
19100001	WAPY 70, heavy frame, white cover, VZ123	104
19101001	WAPY 70, heavy frame, yellow cover, VZ123	106
19102001	WAPY 70, heavy frame,retro-reflecting cover, VZ123	105
19103001	WAPY 70, heavy frame, reflecting yellow cover, VZ123	106
19104001	WAPY 90, heavy frame, white cover, VZ123	104
19105001	WAPY 90, heavy frame, yellow cover, VZ123	106
19106001	WAPY 90, heavy frame, retro-reflecting cover, VZ123	105
19107001	WAPY 90, heavy frame, reflecting yellow cover, VZ123	106
19200001	WAPY 70, heavy frame, white cover, cigarette	104
19201001	WAPY 70, heavy frame, yellow cover, cigarette	106

Item no.	Article description	Page
19 Work protection		
19202001	WAPY 70, heavy frame, retro-reflecting cover, cigarette	105
19203001	WAPY 70, heavy frame, reflecting yellow cover, cigarette	106
19204001	WAPY 90, heavy frame, white cover, cigarette	104
19205001	WAPY 90, heavy frame, yellow cover, cigarette	106
19206001	WAPY 90, heavy frame, retro-reflecting cover, cigarette	105
19207001	WAPY 90, heavy frame, reflecting yellow cover, cigarette	106
19400001	WAPY 70, light frame, white cover, VZ101	104
19401001	WAPY 70, light frame, yellow cover, VZ101	106
19402001	WAPY 70, light frame, retro-reflecting cover, VZ101	105
19403001	WAPY 70, light frame, reflecting yellow cover, VZ101	106
19404001	WAPY 90, light frame, white cover, VZ101	104
19405001	WAPY 90, light frame, yellow cover, VZ101	106
19406001	WAPY 90, light frame, retro-reflecting cover, VZ101	105
19407001	WAPY 90, light frame, reflecting yellow cover, VZ101	106
19500001	WAPY 70, light frame, white cover, VZ123	104
19501001	WAPY 70, light frame, yellow cover, VZ123	106
19502001	WAPY 70, light frame, retro-reflecting cover, VZ123	105
19503001	WAPY 70, light frame, reflecting yellow cover, VZ123	106
19504001	WAPY 90, light frame, white cover, VZ123	104
19505001	WAPY 90, light frame, yellow cover, VZ123	106
19506001	WAPY 90, light frame, retro-reflecting cover, VZ123	105
19507001	WAPY 90, light frame, reflecting yellow cover, VZ123	106
19600001	WAPY 70, light frame, white cover, cigarette	104
19601001	WAPY 70, light frame, yellow cover, cigarette	106
19602001	WAPY 70, light frame,retro-reflecting cover, cigarette	105
19603001	WAPY 70, light frame, reflecting yellow cover, cigarette	106
19604001	WAPY 90, light frame, white cover, cigarette	104
19605001	WAPY 90, light frame, yellow cover, cigarette	106
19606001	WAPY 90, light frame, retro-reflecting cover, cigarette	105
19607001	WAPY 90, light frame, reflecting yellow cover, cigarette	106
19802000	Warning flag, white/orange/white, 50x50cm	109
19803000	Warning flag, white/orange/white, 75x75cm	109
19804000	Warning flag, white/red/white, 50x50cm	109
19805000	Warning flag, white/red/white, 75x75cm	109
19806000	NESTLE Traffic cone white-red, 32cm	108
19807000	NESTLE Traffic cone white-red, 50cm	108
19810000	NESTLE LED warning light, red	107
19812000	NESTLE LED warning light, yellow	107
19813000	NESTLE LED warning lights set, orange	107
19818000	NESTLE LED warning light, orange	107
19819000	NESTLE plummet hook butler	107
19900000	Additional weight heavy frame, 1,1 kg	104
19901000	Additional weight light frame, 2 kg	104
19902000	Warning lamp "starLED" for	107
19903000	Warning lamp "Optima2001"	107
19904000	Battery for warning lamps	107
19905000	Magnetic base for warning pyramids	105
19907000	Flags mount for Warning pyramid	109
20 Forestry / Wood working		
20000001	NESTLE Forestry caliper Waldmeister 40 calibrated	178
20001001	NESTLE Forestry caliper Waldmeister 40	178
20002001	NESTLE Forestry caliper Waldmeister 60 calibrated	178
20003001	NESTLE Forestry caliper Waldmeister 60	178
20004001	NESTLE Forestry caliper Waldmeister 80 calibrated	178
20005001	NESTLE Forestry caliper Waldmeister 80	178
20006001	NESTLE Forestry caliper Waldmeister 100 calibrated	178
20007001	NESTLE Forestry caliper Waldmeister 100	178
20100001	NESTLE Forestry caliper Waldfreund 60	179
20101001	NESTLE Forestry caliper Waldfreund 60 calibrated	179
20102001	NESTLE Forestry caliper Waldfreund 80	179
20103001	NESTLE Forestry caliper Waldfreund 80 calibrated	179
20104001	NESTLE Forestry caliper Waldfreund 100	179
20105001	NESTLE Forestry caliper Waldfreund 100 calibrated	179
20200000	NESTLE Forestry caliper Waldfix 40	176
20201000	NESTLE Forestry caliper Waldfix 40 calibrated	176
20202000	NESTLE Forestry caliper Waldfix 50	176
20203000	NESTLE Forestry caliper Waldfix 50 calibrated	176

Product directory sorted by model no.

Item no.	Article description	Page
20 Forestry / Wood working		
20204000	NESTLE Forestry caliper Waldfix 60	176
20205000	NESTLE Forestry caliper Waldfix 60 calibrated	176
20300001	NESTLE Forestry caliper Specht 60cm	180
20301001	NESTLE Forestry caliper Specht 80cm	180
20302001	NESTLE Forestry caliper Specht 100cm	180
20400001	NESTLE Forestry caliper Fuchs	177
20401001	NESTLE Forestry caliper Fuchs, calibrated	177
20500000	NESTLE Marking meter, alu	182
20501000	NESTLE Marking meter, wood	183
20502000	NESTLE Marking meter, wood	183
20600000	NESTLE Trimming support Kolibri 25	184
20601000	NESTLE Trimming support Kolibri 33	184
20602000	NESTLE Trimming support Kolibri 50	184
20603000	NESTLE Trimming support Kolibri 100	184
20604001	NESTLE Holzmichel Sawbuck	185
20605000	NESTLE Trimming support Kolibri 100-v, variable stop	184
20900000	Hand counter "PRIMAT"	182
21 Miscellaneous		
21000000	NESTLE Manhole cover lifter	101
21001000	Extension manhole cover lifter	102
21002000	Heavy duty hook 15x15mm	102
21003000	Heavy duty hook 12x8mm	102
21004000	Heavy duty hook for gasoline traps	102
21005000	Heavy duty hook, angled rearwards	102
21006000	Heavy duty hook, round	102
21008000	Standard hook 12x12mm	102
21009000	Cam hook	102
21011000	Heavy duty hook, round, 90° angular, short	102
21101000	NESTLE Laser glasses	91
21102000	NESTLE Wall caliper 60cm	168
21103000	NESTLE Wall caliper 100cm	168
21104000	Survey umbrella, diameter 2m	166
21105000	Carrying bag for survey umbrella	166
21106000	Ground spike for survey umbrella	166
21107000	NESTLE Field book frame Wood, DIN A4	164
21109000	NESTLE Field book frame Wood, DIN A3	164
21111000	NESTLE Field book frame Wood, DIN A2	164
21112000	NESTLE Field book frame Synthetic, DIN A4	164
21113000	NESTLE Field book frame Synthetic, DIN A3	164
21114000	NESTLE Drawing support Quick-Line	164
21115000	NESTLE Drawing support Quick-Line	164
21116000	NESTLE Chaining pin	157
21117000	NESTLE Boning rods wood	157
21118000	NESTLE Boning rods metal stand	157
21126000	Column stand	34
21128000	NESTLE field table DIN A2, light version	164
21133000	NESTLE magnet support for line lasers	43
21135000	NESTLE wall mount for PULSAR lasers	48
21136000	NESTLE wall mount for rotating lasers	48
22 Accessories		
22000000	Laser glasses GLB 30	91
22001000	Carrying bag for LEICA-DISTO	92
22002000	Target plate, pluggable , GZM30	91
22003000	Target plate, pluggable, DISTO D3-Serie	91
22004000	Target plate, pluggable, GZM27	91
22005000	Target plate A4, GZM26	91
22007000	Adaptor TA360	92
22008000	Charger UC20 including 2xAAA Akkus	92
22009000	Supporting loop for DISTO	92
22015000	Adaptor FTA360 for D510 + D810	92
22019000	Adaptor FTA360 for S910	92
22022000	Target plate GZM3	91
22023000	NESTLE LEICA aluminium tripod TRI 200	92
22026000	Adaptor LSA360-S	92
22027000	LEICA DST 360 Set	86
22201000	NESTLE PULSAR batterie case	51
25 Leica		
25000000	LEICA DISTO D810 touch	88
25 Leica		
25002000	LEICA DISTO S910	89
25003000	LEICA DISTO S910 Set	89
25004000	LEICA DISTO S910 Set	89
27/28 GeoMax		
27000000	GEOMAX ZAL120 Automatic level	120
27001000	GEOMAX ZAL124 Automatic level	120
27002000	GEOMAX ZAL132 Automatic level	120
27003000	GEOMAX ZAL220 Automatic level	121
27004000	GEOMAX ZAL224 Automatic level	121
27005000	GEOMAX ZAL232 Automatic level	121
27006000	GEOMAX ZAL320 Automatic level	122
27007000	GEOMAX ZAL324 Automatic level	122
27008000	GEOMAX ZAL328 Automatic level	122
27009000	GEOMAX ZAL330 Automatic level	122
27010000	GEOMAX ZDL700 Digital level	115
27011000	GEOMAX Zipp02 Theodolite, electronic	113
27012000	GEOMAX ZAL120 Automatic level set	120
27013000	GEOMAX ZAL124 Automatic level set	120
27014000	GEOMAX ZAL132 Automatic level set	120
27015000	GEOMAX ZAL220 Automatic level set	121
27016000	GEOMAX ZAL224 Automatic level set	121
27017000	GEOMAX ZAL232 Automatic level set	121
27018000	GEOMAX ZAL320 Automatic level set	122
27019000	GEOMAX ZAL324 Automatic level set	122
27020000	GEOMAX ZAL328 Automatic level set	122
27021000	GEOMAX ZAL330 Automatic level	122
27022000	GEOMAX ZSF301 Barcode levelling staff 3m	115
27023000	GEOMAX GSS111 Barcode levelling staff 5m	115
27102000	GEOMAX ZEL400HV Levelling Laser hor. auto, vert. auto	54
27103000	GEOMAX Zone 20H basic Rotating Laser	55
27104000	GEOMAX Zone 20H pro Rotating Laser	55
27105000	GEOMAX Zone 20H digital Rotating Laser	55
27106000	GEOMAX Zone 20HV basic Rotating Laser	56
27107000	GEOMAX Zone 20HV pro Rotating Laser	56
27108000	GEOMAX Zone 20HV digital Rotating Laser	56
27109000	GEOMAX Zone 40H basic Rotating Laser	57
27110000	GEOMAX Zone 40H pro Rotating Laser	57
27111000	GEOMAX Zone 40H digital Rotating Laser	57
27112000	GEOMAX Zone 60HG basic	58
27113000	GEOMAX Zone 60HG pro	58
27114000	GEOMAX Zone 60HG digital	58
27115000	GEOMAX Zone 60DG basic	59
27116000	GEOMAX Zone 60DG pro	59
27117000	GEOMAX Zone 60DG digital	59
27118000	GEOMAX Zone 70DG basic	60
27119000	GEOMAX Zone 70DG pro	60
27120000	GEOMAX Zone 70DG digital	60
27401000	GEOMAX Receiver pro ZRP105	66
27402000	GEOMAX Receiver digital ZRD105	67
27404000	GEOMAX Receiver digital ZRD105B	68
27405000	GEOMAX Receiver basic ZRB90	65
27500000	GEOMAX Ezicat i500 Locator	78
27501000	GEOMAX Ezicat i550 Locator with depth estimation	78
27503000	GEOMAX Ezitex t100 signal transmitter	79
27504000	GEOMAX Ezirod 80 flexible rod 80m on drum	79
27505000	GEOMAX Ezirod 50 flexible rod 50m on drum	79
27506000	GEOMAX Ezirod 30 flexible rod 30m on drum	79
27508000	GEOMAX Ezitex t300 signal transmitter	79
27511000	GEOMAX Sonde compact	79
27512000	GEOMAX Ezitex 8/33 kHz signal clamp	79
27513000	GEOMAX Property connection set	79
27514000	GEOMAX Robust bag for Ezi system	79
27518000	GEOMAX Ezicat i750xf Locator with depth display function	78
27519000	GEOMAX Ezitex t300xf signal transmitter	79
27600000	GEOMAX MR240 Machine receiver	70
27601000	GEOMAX MD360 Remote display	71
27602000	GEOMAX MR360 Machine receiver	71
27604000	GEOMAX MR360RE Machine receiver	71

Product directory sorted by model no.

Item no.	Article description	Page
27/28 GeoMax		
28001000	GEOMAX Zeta 125S, class 3, universal target	62
28003000	GEOMAX Zeta 125S, class 3, standard target	62
28004000	GEOMAX Zeta 125, class 2, universal target	62
28005000	GEOMAX Zeta 125, class 2, standard target	62
GeoMax Accessories		
G739870	Scope	60
G815624	Clip-in target plate	63
G821876	Battery cable (12V)	63
G821877	Universal target plate adjustable	63
G821878	Standard target plate with bubble + legs	63
G821881	Leg depot compl.	63
G821883	Leg 150mm with rubber cap	63
G821884	Leg 200mm with rubber cap	63
G821885	Leg 250mm with rubber cap	63
G821886	Power pack Li-Ion	63
G821888	LDG125 charger	63
G829482	ZRC125 Remote control	63
G840232	Automatic target board	63

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General terms and conditions

I. Validity

1. The following contractual terms (general terms and conditions) apply to all contracts relating to 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 contradict them.
3. The general terms and conditions also apply to all future business relations, even if this has not been agreed upon again explicitly.

II. Offer and conclusion of contract

1. The Supplier's offers are subject to change.
2. All agreements made between the Supplier and the customer for the purpose of the execution of this contract must be made in writing. Declarations of acceptance and orders must be confirmed in writing by the Supplier in order to be legally binding. The Supplier's sales staff are not authorised to make verbal subsidiary agreements or to make oral agreements which go beyond the content of the written contract.
3. The Supplier retains unrestricted property rights and copyrights to drawings and other documents; they must be not disclosed to third parties.
4. All information in the Supplier's sales documents (in particular price lists, catalogues, brochures, technical documents and digital media) are provided to the best of the Supplier's knowledge, however, they are subject to confirmation and are non-binding. The Supplier reserves the right to make changes.

III. Prices and Payment

1. Prices shall apply ex works excluding packaging. VAT at the applicable statutory rate is added to all prices.
2. Unless otherwise specified, the Supplier shall be bound to the prices contained in its offers for 30 days from their date.
3. Within the Federal Republic of Germany, we deliver to receiving stations free of all charges, including packaging, from a net invoice amount of €500.00. For deliveries outside 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. We grant 2% cash discount for payment within 10 days of the invoice date.
5. The customer may only offset claims that are undisputed or legally ascertained.
6. In the event of a late payment, the Supplier is entitled to claim interest on arrears. The Supplier reserves the right to further claims.

IV. Delivery time and delayed delivery

1. Compliance with an agreed delivery time requires the timely provision of all documents, authorisations and approvals to be supplied by the customer. If this is not the case, the delivery time shall be extended appropriately, unless the Supplier is responsible for the delay.
2. The delivery time shall be met if the delivery item has left the Supplier's factory or if readiness for dispatch has been notified before the deadline lapses.
3. The Supplier cannot be held responsible for delays in delivery and performance due to force majeure and due to events which make delivery considerably more difficult or impossible for the Supplier, and not just on a temporary basis e.g. strike, lockout, official orders etc., even if they occur with suppliers or their subcontractors, and even if binding dates and deadlines have been agreed on. This entitles the Supplier to defer delivery or performance by the duration of the hindrance plus a reasonable start-up time, or to withdraw fully or partially from the contract due to the as yet unfulfilled part. If the hindrance lasts more than 3 months, the customer shall be entitled to withdraw from the contract with regard to the as yet unfulfilled part after an appropriate grace period. If the delivery time is extended or if the Supplier is released from its obligation, the buyer cannot derive any claims for compensation from this. The Supplier may only invoke the circumstances mentioned 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 permitted an appropriate term for delivery accorded him to expire to no effect.
5. Further claims due to delay are determined by point VIII. If the Supplier must subsequently accept liability for non-compliance with agreed deadlines and dates or other delays, the customer shall be entitled to compensation for delayed completion to the amount of 0.5 % for every full week of delay, however not more than a total of 5 % of the invoice value of the deliveries and services affected by the delay. Further claims are excluded under all conditions, except when the delay is based at least on gross negligence by the Supplier.
6. The Supplier is entitled to partial deliveries and partial performances at all times, unless the partial delivery or partial performance is of no interest to the customer.

V. Risk transfer and shipping

1. The risk is transferred to the customer no later than at the time the purchased items are shipped, even if partial deliveries are made or the Supplier has taken on other services such as the dispatch cost or delivery.
2. If the dispatch is delayed as a result of circumstances for which the customer is responsible, the risk is transferred to the customer from the day the dispatch is ready.
3. At the request of the customer, the shipment will be insured under the customer's information and at the customer's own expense.

VI. Rights in the event of defects

1. The customer must check the deliveries and services for defects immediately upon receipt. If defects are identified, they must be communicated in writing immediately, but not later than within one week of receipt of the faulty goods. Defects that cannot be detected within this period, even upon careful inspection, must be communicated to the Supplier in writing immediately upon detection.
2. Defective parts of the delivery or performance shall be improved or delivered/provided again, at the Supplier's option. In this case, the Supplier requests that, at its discretion and at its own expense
   - the defective part or device is sent to the Supplier for repair and subsequent return;
   - the customer holds the defective part or device and a service technician of the Supplier is sent to the buyer to carry out the repair.

   If the customer requires the repair work to be carried out at a place determined by him/her, the Supplier may comply with this demand, whereby replacement parts are not charged, whilst work time and travel costs are to be paid at the Supplier's standard rates.
3. The customer shall give the Supplier the necessary time and opportunity to carry out all repairs and replacements deemed necessary by the Supplier. Otherwise, the supplier shall be exempt from liability for the consequences.
4. In the event of inappropriate or improper use or commissioning by the customer or by third parties, natural wear and tear, incorrect or negligent handling, improper maintenance, and unsuitable operating resources, no claims for defects may be lodged if the customer cannot disprove a substantiated assertion that even one of these circumstances caused the defect. If improper modifications or repair work is carried out by the customer or third parties, no claims for defects may be lodged for these and the resulting consequences, in accordance with the predicted consequences.
5. Replaced parts shall become the property of the Supplier.
6. The period of limitation for warranty claims by the customer is 24 months, calculated from the passing of risk to customer. Warranty claims for batteries, particularly with regard to their performance, are, as a rule, only recognised within 6 months from delivery.
7. Returns are only accepted after prior agreement with the Supplier.

VII. Voluntary return of goods

If we accept the return of goods delivered free of defects as a gesture of goodwill, a reasonable processing fee shall be included with the credit note. Returns must be delivered postage paid, after prior agreement with the Supplier.

VIII. Liability

1. Regardless of the nature of the infringement, including unlawful acts, claims for damages are excluded, unless deliberate intent or gross negligence is involved.
2. In the event of violation of essential contractual obligations, the Supplier shall be liable for any negligence, but only up to the amount of the foreseeable damage. Claims cannot be made for lost profits, saved expenses from compensation claims of third parties, or for any other direct or consequential loss, unless the Supplier has guaranteed a particular quality characteristic of the product with the purpose of safeguarding the customer against such losses.
3. The liability restrictions and exclusions in paragraphs 1 and 2 shall not apply to claims that have arisen due to fraudulent behaviour on the part of the Supplier, or where there is liability for guaranteed quality characteristics, for claims in accordance with the product liability law, or for compensation claims resulting from injury to life, limb or health.
4. Where the Supplier's liability is excluded or restricted, this also applies to the seller's employees, representatives and vicarious agents.

IX. Reservation of proprietary rights

1. The goods shall remain the property of the Supplier until all claims are fulfilled (including all current account balance claims) which the Supplier may be entitled to from the customer now or in future.
2. The customer shall be entitled to process and, in particular, to sell the reserved goods within the course of orderly business practices, provided the customer is not in default. Pledging or transfer of ownership by way of security is not permissible. Any debts arising from the resale or any other legal ground (insurance, unlawful acts etc.) with respect to the reserved goods (including all current account balance claims) shall be assigned fully by the customer to the Supplier now for insurance purposes. The Supplier revocably authorises the customer to collect the claims assigned to the Supplier for its invoices and in its own name. This authorisation to collect can only be revoked if the customer fails to honour its payment obligations in an orderly fashion.
3. In the event of third-party access to the reserved goods, especially in the case of pledging, the customer shall notify them that this is the property of the Supplier and inform the Supplier immediately so that it may assert its property rights. If the third party is not able to refund the Supplier the appropriate judicial or extrajudicial costs in this context, the customer shall be liable for this.
4. In the event of behaviour by the customer that is contrary to the contract, especially default of payment, the Supplier shall be entitled to withdraw from the contact and reclaim the reserved goods.

X. Applicable law, partial invalidity

1. The law of the Federal Republic of Germany shall apply to these terms and conditions and all legal relations between the Supplier and customer. The provisions of the UN Convention on Contracts for the International Sale of Goods do not apply here, even if the customer has its headquarters abroad.
2. If the Customer is a businessman, the headquarters of the Supplier shall be the exclusive place of jurisdiction for all disputes resulting directly or indirectly from the contractual relationship.
3. If any provision in these terms and conditions or a provision within the framework of other agreements is or becomes invalid, this shall not affect the validity of all other provisions or Agreements.

Effective 01/2018

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NESTLE

MEASURE WITH THE BEST

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