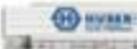


Wiha measurement tools/articulated hose systems.

Wiha makes it possible: Measure and cooling with Swiss precision.



Measurement tools range

	Wiha fibre-glass-reinforced folding rulers. 2 m of perfection.	216
	Longlife All in One, Longlife Plus and Longlife.	217
	Wiha fibre-glass-reinforced callipers. Precision made in Switzerland.	218
	digiMax, caliMax, dialMax and dialMax ESD.	219
	Wiha advertising articles. Your name on every measurement tool.....	220

Articulated hose range

	Wiha articulated hose system. The universal pipe system.	221
	maxiflex system ø 1/4"	222
	maxiflex system ø 1/2"	223



Wiha ESD callipers.
Wiha dialMax ESD page 219 + 290
 See also the ESD tool range, page 260 – 291



Wiha fibre-glass-reinforced folding rulers.

2 m of perfection.



Often emulated but never surpassed – the Longlife Plus folding metre rule: has a long service life and is accurate and easy to use.



The world's first folding ruler made of high-quality fibre-glass material was developed and manufactured in 1968 and, since then, has been successfully marketed under the "Longlife" name.

Its characteristic joint with perfect long-life characteristics is still unique.

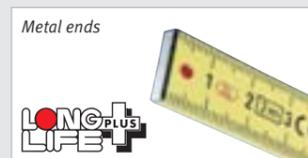
The Polyamide reinforced with 30% fibre-glass makes the Longlife ruler water resistant and scratch and score-proof.

Compared to wooden folding rulers a substantially higher service life is attained.

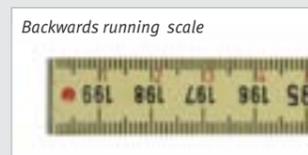
A deep embossed, precise scale on each segment contributes to the excellent performance characteristics.



Joints



Metal ends



Backwards running scale



Fixation

Angular display

Angle gauge

 **Wiha fibre-glass-reinforced folding rulers.**

Permanent – Longlife

- no swelling from contact with water!
- distinctly longer service life compared to wooden folding ruler
- resistant to chemicals, washable

Longlife Plus

- red joint bodies for improved legibility
- wear-resistant metal ends
- backwards running scale

Longlife All in One

- angle measurement function
- depth measurement function

Exact

- CE conformity and Swiss precision for all rulers

Longlife All in One and Longlife Plus. Displays.



410 2007 Longlife All in One folding ruler, 2 m metric, 10 segments.

- Material: Glass fibre reinforced polyamide. Scratch, weather and chemical resistant.
- Joints: Play free, wear resistant and maintenance free joint with steel spring pin for constant tension. Usefull 90° snap-in position.
- Scale: Deep embossed black scale in 1 mm increments. Every 10 cm is marked in red.
- Accuracy: CE conformity, EU standard accuracy class III.
- Extra: Readable from both sides through a second, backwards running scale (Recto Verso).
Depth measurement with push-out depth gauge.
Angle measurement with anchoring of depth gauge in fixation hole.

Order-No.	1	2	3	4
33232 7	15	135	white	10



410 2001 Longlife Plus folding metre rule, 2 m, metric, 10 segments. With metal ends.

- Material: Glass fibre reinforced polyamide. Scratch, weather and chemical resistant.
- Joints: Play free, wear resistant and maintenance free joint with steel spring pin for constant tension. Usefull 90° snap-in position.
- Scale: Deep embossed black scale in 1 mm increments. Every 10 cm is marked in red.
- Accuracy: CE conformity, EU standard accuracy class III.
- Extra: Wear resistant metal ends on the first and last segments. Readable from both sides through a second, backwards running scale (Recto Verso).

Order-No.	1	2	3	4
27055 1	15	140	yellow	10
27059 9	15	140	white	10
27060 5	15	140	yellow/white	10



- NEW**
410 ... VH Sales counter display for Longlife folding rulers. Card display with 20 pcs. (2 m) or 54 pcs. (1 m).

Order-No.	Art.-No.	Content	4
33660 8	410 2007 2 VH	20 x 41020072 Longlife All in One, 2 m	1
33945 6	410 2001 1 VH	20 x 41020011 Longlife Plus, 2 m, yellow	1
34495 5	410 2000 2 VH	20 x 41020002 Longlife, 2 m, white	1
33946 3	410 1000 2 VH	54 x 41010002 Longlife, 1 m, white	1

Longlife.



410 2000 Longlife folding metre rule, 2 m, metric, 10 segments.

- Material: Glass fibre reinforced polyamide. Scratch, weather and chemical resistant.
- Joints: Play free, wear resistant and maintenance free joint with steel spring pin for constant tension. Usefull 90° snap-in position.
- Scale: Deep embossed black scale in 1 mm increments. Every 10 cm is marked in red.
- Accuracy: CE conformity, EU standard accuracy class III.

Order-No.	1	2	3	4
27058 2	15	140	yellow	10
27057 5	15	140	white	10



410 1000 Longlife folding metre rule, 1 m, metric, 10 segments.

- Material: Glass fibre reinforced polyamide. Scratch, weather and chemical resistant.
- Joints: Play free, wear resistant and maintenance free joint with steel spring pin for constant tension. Usefull 90° snap-in position.
- Scale: Deep embossed black scale in 1 mm increments. Every 10 cm is marked in red.
- Accuracy: CE conformity, EU standard accuracy class III.

Order-No.	1	2	3	4
27061 2	13	45	yellow	10
27062 9	13	45	white	10



410 1010 Longlife folding metre rule, 1 m, metric, 5 segments.

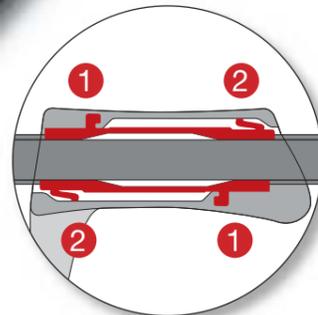
- Material: Glass fibre reinforced polyamide. Scratch, weather and chemical resistant.
- Joints: Play free, wear resistant and maintenance free joint with steel spring pin for constant tension. Usefull 90° snap-in position.
- Scale: Deep embossed black scale in 1 mm increments. Every 10 cm is marked in red.
- Accuracy: CE conformity, EU standard accuracy class III.

Order-No.	1	2	3	4
27063 6	15	65	yellow	20

 **Sale only in pack quantities!**
Special scales available on request.

Wiha fibre-glass-reinforced callipers.

Precision made in Switzerland.



Play free motion of the sliding components through precision design for precise measurement results:
1. Fixed position
2. Flexible spring component

The Wiha callipers from the "max" range are manufactured since 1965 with Swiss precision. Due to the unique advantages made available by the non-metal, high-tech material with 50% fibre-glass component, the callipers have found new applications where their advantages are distinct when compared to the more heavy metal designs. They are particularly suitable for measuring high-quality and highly sensitive objects.

These measuring tools are also ideal for all metal, wood and plastic-processing applications, for field staff and service engineers. Thanks to their antimagnetic properties, Wiha callipers prevent measuring surfaces from becoming soiled by metal filings, which could impair the accuracy of measurements. Since they are made of non-



The dialMax ESD calliper can be used for measuring delicate electronic components.

corrosive material, Wiha callipers can also be used in damp working environments. With the Wiha dialMax ESD callipers, measuring at ESD workstations and in ESD protection zones is now possible for the first time.



The measuring jaw of the fibre-glass reinforced calliper enables scratch-free measurement of even very delicate, shiny surfaces.

Wiha fibre-glass-reinforced callipers.

Permanent
– very rigid with 50% fibre-glass component

High tech material
– non-metallic
– non-corrosive
– non-magnetic
– minimum thermal conductivity
– electrically insulating
– resistant to chemicals
– temperature resistant measuring surfaces: temporarily to 180°, permanently at 100-120°

Versatile applications
– highly sensitive measurement objects
– electronic components
– sensitive surfaces
– model making and prototype production
– food industry
– ESD protective zones

Precise
– practical ratchet guarantees equally balanced clamping force of the measurement jaws

digiMax and caliMax.



411 170 1 Digital calliper digiMax, reading 0.01 mm.
Material: Non-metallic high-tech material with 50% fibre-glass content.
Scale: 5-digit digital display with 7.5 mm numeral height for easy reading.
Reading: 0.01 mm as well as 0.0005 inch.
Packaging: Plastic box with hanging attachment.
Standards: CE compliant.
Application: For outside, inside and depth measurements.
Extra: Switches off automatically after 5 minutes of non-use. Zero setting possible in every position for quick comparison measurements. Battery with approx. 2-year service life included.

Order-No.	150	6	48	5
29422 9				



411 320 3 Vernier calliper caliMax, reading 0.1 mm.
Material: Non-metallic high-tech material with 50% fibre-glass content.
Scale: Vernier for millimetre and inch display.
Reading: 0.1 mm as well as 1/64 inch. Accuracy as per DIN 862.
Packaging: Blister packed.
Application: For outside, inside and depth measurements.
Extra: Almost parallax-free reading of the measurement value. Neon green vernier scale in with strong contrast for optimal reading.

Order-No.	150	6	45	10
27083 4				

dialMax and dialMax ESD.



411 210 2 Analog calliper dialMax, reading 0.1 mm.
Material: Non-metallic high-tech material with 50% fibre-glass content.
Scale: Dial, diameter 35 mm.
Reading: 0.1 mm; 1 dial rotation represents 10 mm. Accuracy as per DIN 862.
Packaging: Blister packed.
Application: For outside, inside and depth measurements.
Extra: Impact resistant dial can be recalibrated to zero.

Order-No.	150	6	45	5
27082 7				

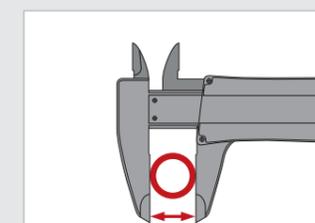


Further ESD tools on page 260 – 291

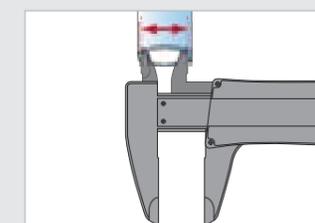
411 210 8 Dial calliper dialMax ESD, reading 0.1 mm.
Material: Calliper made of ESD-safe material. Non-metallic high-tech material with 60% fibre-glass content. Surface resistance $10^6 - 10^9$ ohms.
Scale: Dial, diameter 35 mm.
Reading: 0.1 mm; 1 dial rotation represents 10 mm. Accuracy as per DIN 862.
Packaging: Blister packed.
Standards: IEC 61340-5-1.
Application: For all work with electrostatically endangered components. For outside, inside and depth measurements.
Extra: Measurements in ESD protection zones and at ESD workstations. Impact resistant dial can be recalibrated to zero.

Order-No.	150	6	45	5
31439 2				

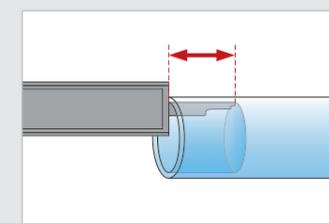
Wiha Info



Outside measuring



Inside measuring



Depth measuring

Wiha advertising articles.

Your name on every measurement tool.

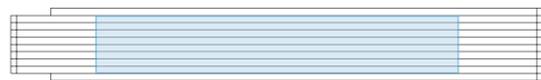


Because of their excellent characteristics the Wiha measuring tools make perfect advertising products for you and your customers.

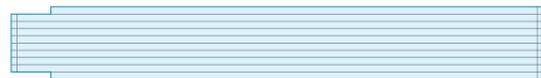
Do you place value on high quality advertising products with a long service life? Then the folding rulers of the Longlife series with their perfect long-life properties are the perfect solution. The water resistant and scratch and score-proof fibre-glass reinforced plastic makes the Longlife ruler the best advertising product for all applications, with a distinctly longer advertising duration than a wooden folding ruler.

Whether 2 m, 1 m, yellow or white, the Wiha folding rulers embellished with your imprint give you and your customers the ideal surface for long-term advertising effects. Advertise your imprint on the side surfaces of the folding rulers or on the measuring jaws of the Wiha callipers.

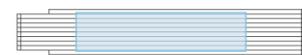
A limited advertising space is available for your design:
2 m folding metre rule with max. advertising space of 160 x 25 mm



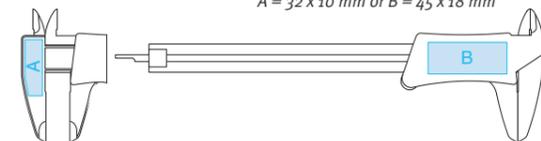
New: with digital printing (complete surface of side)!



1 m folding metre rule with max. advertising space of 75 x 17 mm



Calliper with max. advertising space
A = 32 x 10 mm or B = 45 x 18 mm



Price on request.
Please specify your desired product, quantity and the number of colours to be printed.

Wiha advertising articles.

Permanent advertising – Longlife

– distinctly longer service life of Longlife rulers compared to wooden folding rulers because of water resistance

Versatile – your name on the ruler

– 2 m, 1 m, white, yellow, further colours on request

Versatile – your name on the callipers

– special colours on request

Top product

– Swiss precision with all folding rulers and callipers

Wiha articulated hose system.

The universal pipe system.

maxiflex®

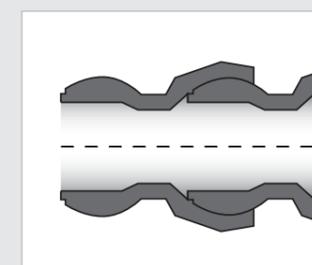


The Wiha maxiflex® universal articulated hose system is dimensionally stable, individually adjustable and has a long service life.

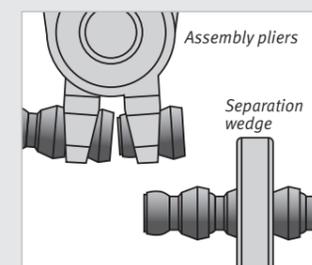
Wiha maxiflex® is a universal articulated hose system with maximum flexibility.

The broad range of hose joints, nozzles, connections, junctions and stop valves supply perfect solutions for every cooling or lubrication task.

A high quality and indestructible plastic, extensive design knowledge and precise manufacturing of all components ensures that this articulated hose system can be adapted for each individual application in day-to-day practice. With tight fitting components, maxiflex® is dimensionally stable, meaning no altering under pressure or via machine vibrations.



Unrestricted flow design



Assembly pliers and separation wedge

Wiha articulated hose system.

Permanent

– high quality, indestructible, dimensionally stable plastic
– resistant to chemicals and solvents
– is not an electrical conductor

Universal use

– cooling and lubrication for sawing, drilling, milling, grinding and machining processes
– blowing out and drawing in of air
– conducting of solvents
– positioning of auxiliary aids (so-called third hands)

Flexible

– adapter solutions for other hose systems

Precise

– Swiss precision with articulated hose assortment

Wiha articulated hose system.

The universal pipe system.



maxiflex® programme ø 1/4" (6.35 mm).

Order-No.	Article-No.	
27085 8	412 2030	1 Pack with 22 segments, assembled Length: 280 mm
27086 5	412 2060	1 Pack with 80 segments, assembled Length: 1000 mm
27087 2	412 2220	1 Pack with 4 cylindrical nozzles ø 1.6 mm
27088 9	412 2240	1 Pack with 4 cylindrical nozzles ø 3.2 mm
27089 6	412 2260	1 Pack with 4 cylindrical nozzles ø 5.6 mm
27090 2	412 2280	1 Pack with 2 flat nozzles, 7 holes (ø 1.5 mm) 24 mm wide
27091 9	412 2330	1 Pack with 2 flat nozzles 24 mm wide
27092 6	412 2420	1 Pack with 4 angular nozzles ø 1.6 mm
27093 3	412 2440	1 Pack with 4 angular nozzles ø 3.2 mm
27094 0	412 2460	1 Pack with 4 angular nozzles ø 5.6 mm
27095 7	412 2480	1 Pack with 2 multi-hole angular nozzles, 7 holes (ø 2 mm)
27096 4	412 2640	1 Pack with 4 adapters for LOC-LINE® Flexi and ARIANA Cool-Line
27097 1	412 2650	1 Pack with 4 spherical double socket segments
27098 8	412 2660	1 Pack with 4 double nipples
27099 5	412 2710	1 Pack with 4 threaded nipples R 1/8"
27100 8	412 2720	1 Pack with 4 threaded nipples R 1/4"
27101 5	412 2740	1 Pack with 2 Y-junctions
27102 2	412 2770	1 Pack with 2 regulating valves
27103 9	412 2780	1 Pack with 2 segment clips
28006 2	412 2020	1 6 short nozzles, assembled, with: 1 threaded nipple R 1/8" 1 segment 1 short cylindrical nozzle ø 2.5 mm
29446 5	412 2760	1 Ball valve with threaded outlet G 1/4"

maxiflex® programme ø 1/4" (6.35 mm).

Order-No.	Article-No.	
27084 1	412 2010	1 maxiflex®-set, assembled 1 threaded nipple R 1/4" 22 segments 1 cylindrical nozzle ø 3.2 mm Total length: 320 mm
27108 4	412 2920	1 Separation wedge
27109 1	412 2930	1 Assembly pliers
27104 6	412 2810	1 Set with magnetic foot and ball valve, assembled 1 threaded nipple R 1/4" 22 segments 1 cylindrical nozzle ø 3.2 mm Magnetic foot with hose nozzle ø 11 mm Extra: Magnetic adhesion 80 N
27105 3	412 2820	1 Set with magnetic foot, assembled 2 threaded nipples R 1/4" 44 segments, length: 2 x 320 mm 2 cylindrical nozzles ø 3.2 mm Magnetic foot with hose nozzle ø 11 mm Extra: Magnetic adhesion 80 N
27106 0	412 2830	1 Set with magnetic foot and ball valve, assembled 1 threaded nipple R 3/8" for hose diameter 1/2" 1 reduction of hose diameter from 1/2" to 1/4" 22 segments 1 cylindrical nozzle ø 3.2 mm Magnetic foot with hose nozzle ø 11 mm Extra: Magnetic adhesion 150 N
27107 7	412 2850	1 Distribution block with 3 ball valves Ball valves with threaded outlets R 1/4" Hose nozzle ø 11 mm Extra: Magnetic adhesion 4 x 95 N
30518 5	412 2000	1 maxiflex® basic set 3 tubes à 280 mm 2 cylindrical nozzles ø 1.6 mm 3 cylindrical nozzles ø 3.2 mm 2 cylindrical nozzles ø 5.6 mm 1 flat nozzle 24 mm 1 flat nozzle 24 mm, 7 holes ø 1.5 mm 2 Y-junctions 1 spherical double socket segment 2 threaded nipples R 1/8" 3 threaded nipples R 1/4" 1 adapter for LOC-LINE® 1 assembly pliers 1 separation wedge

maxiflex® programme ø 1/2" (12.7 mm).

Order-No.	Article-No.	
27111 4	412 4030	1 Pack with 12 segments, assembled Length: 265 mm
27112 1	412 4060	1 Pack with 48 segments, assembled Length: 1000 mm
27113 8	412 4130	1 Pack with 4 jointed pipe segments Length: 440 mm
27114 5	412 4160	1 Pack with 4 segment clamps incl. screws
27115 2	412 4220	1 Pack with 4 cylindrical nozzles ø 10 mm
27116 9	412 4240	1 Pack with 2 flat nozzles, 6 holes (ø 10 mm) 30 mm wide
27117 6	412 4330	1 Pack with 2 flat nozzles 30 mm wide
27118 3	412 4360	1 Pack with 2 flat nozzles 60 mm wide
27119 0	412 4420	1 Pack with 4 angular nozzles ø 7 mm
27120 6	412 4440	1 Pack with 4 angular nozzles ø 10 mm
27121 3	412 4460	1 Pack with 2 multi-hole angular nozzles, 8 holes (ø 3.5 mm)
27122 0	412 4620	1 Pack with 2 reducers, 1/2" to 1/4" system
27123 7	412 4640	1 Pack with 4 adapters for LOC-LINE® Flexi and ARIANA Cool-Line
27124 4	412 4650	1 Pack with 4 spherical double socket segments
27125 1	412 4660	1 Pack with 4 double nipples
27126 8	412 4720	1 Pack with 4 threaded nipples R 3/8"
27127 5	412 4730	1 Pack with 4 threaded nipples R 1/2"
27128 2	412 4740	1 Pack with 2 Y-junctions
27129 9	412 4750	1 Pack with 2 Y reducer junctions 1/2" to 1/4" system
27130 5	412 4770	1 Pack with 2 regulating valves
27131 2	412 4780	1 Pack with 2 segment clips

maxiflex® programme ø 1/2" (12.7 mm).

Order-No.	Article-No.	
29447 2	412 4760	1 Ball valve with threaded outlet G 3/8"
27110 7	412 4010	1 maxiflex®-set, assembled 1 threaded nipple R 1/2" 12 segments 1 cylindrical nozzle ø 10 mm Total length: 320 mm
27134 3	412 4920	1 Separation wedge
27135 0	412 4930	1 Assembly pliers
27132 9	412 4820	1 Set with magnetic foot and ball valve, assembled 1 threaded nipple R 3/8" 12 segments 1 cylindrical nozzle ø 10 mm Magnetic foot with hose nozzle ø 13 mm Extra: Magnetic adhesion 150 N
27133 6	412 4860	1 Distribution block with 3 ball valves Ball valve with threaded outlet R 3/8" Extra: Magnetic adhesion 4 x 95 N
30519 2	412 4000	1 maxiflex® basic set 3 tubes à 265 mm 3 cylindrical nozzles ø 10 mm 1 flat nozzle 30 mm 1 flat nozzle 60 mm 1 flat nozzle 30 mm, 6 holes ø 3.3 mm 1 Y-junction 1 Y reducer junction 1 reduction of hose diameter from 1/2" to 1/4" 3 threaded nipples R 1/2" 2 threaded nipples R 3/8" 1 adapter for LOC-LINE® 1 assembly pliers 1 separation wedge

Wiha Info

You currently use a different system?
No problem!

System	Information
LOC-LINE®	Compatible with help of maxiflex® adapter order no. 27096 (1/4") and 27123 (1/2").
Snap-Loc®	Compatible on both sides (external and internal ball) without adapter.
ARIANA Cool-Line	Compatible with help of maxiflex® adapter order no. 27096 (1/4") and 27123 (1/2").
LEGROM-VARIO-System®	Small version 1/4" is compatible with help of maxiflex adapter (order no. 27096) when using Varios outer ball and adapters inner ball.