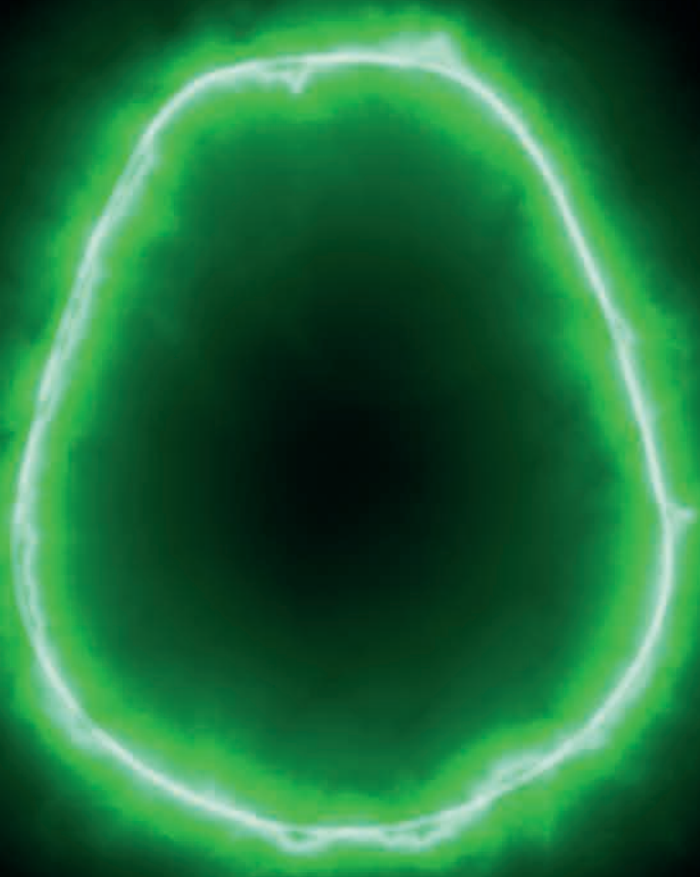


UNGER[®]

Quality Tools for Smart Cleaning



THE ALL NEW

nLITE[®]

NOTHING STAYS THE SAME.

UNGER

Quality Tools for Smart Cleaning

nLITE®

A MILESTONE FOR PURE WATER CLEANING: THE ALL NEW nLITE WATERFED POLE SYSTEM

It's high time to take cleaning with pure water to a new dimension and era.

It's time to invent a whole new form of telescopic waterfed pole technology.

It's time for a game changer:

THE ALL NEW nLITE

NOTHING STAYS THE SAME!

UNGER is now setting aside the achievements of the past and is once again proving its unconditional will, innovative pioneering spirit, and courageous foresight.

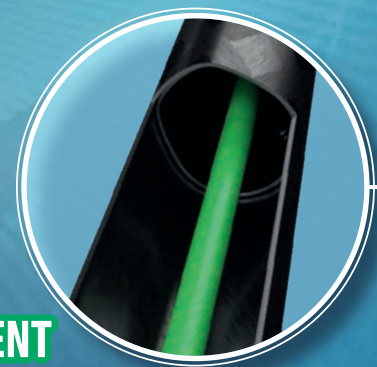
Discover the best and most advanced telescopic waterfed pole system today:

LIGHTER, MORE PRECISE, FASTER.



SMARTLOCK CLAMPS

- Easy and quick to close with just one finger
- Robust 2C material
- Clamp mechanism that protects the carbon material and ensures a long service life for the pole
- Extension stop prevents pulling out pole elements too far



INTEGRATED HOSE MANAGEMENT

Internal routing of the new, highly flexible DuroFlex hose in the telescopic pole for trouble-free work on windows and facades.

Complete flexibility: external routing possible thanks to optional nLite clips.



PRECISIONGRIP POLE FORM

Innovative, unique pole shape, with contact surfaces optimally adapted to the shape of your hand:

- For ergonomic working and making best use of your strength
- More precise control of the cleaning movement and high force transmission
- Uninterrupted work due to non-twisting pole



CARBON 24X

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TOP PERFORMANCE THROUGH PROGRESS

Innovation, high quality, and customer-oriented development have always been **UNGER**'s guiding principles. This applies once again to the new generation of the **nLite** telescopic pole system:

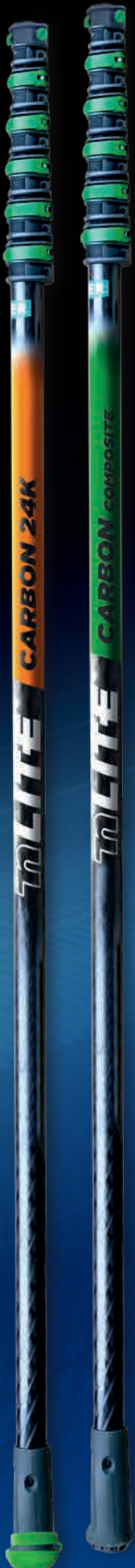
- German engineering in a timelessly stylish design
- Intelligent solution for faster, more flexible system setup
- Pioneering technologies for more effective cleaning results
- High Quality – Made in Germany



HIGH-END CARBON MATERIALS

Ultra-lightweight. Extremely durable. Two choices of carbon:

- **CARBON COMPOSITE:** High quality mix of carbon and glass fibres
- **CARBON 24K:** Premium carbon fibres in a unique weave of 24,000 fibres per bundle



MORE STABLE, HIGHER, MORE PRECISE, WOW!

UNGER has developed its new **nLite** telescopic poles to take your performance to new heights. Maximising refined details and precision while minimising time and effort spent getting organised for your work.

- No twisting: trouble-free work and less wear and tear
- Optimal stability-to-weight ratio
- Greater pole rigidity
- More precise control of the cleaning movement



POWER BRUSH AND ANGLE ADAPTER

Innovative modular system that makes a difference because it offers almost limitless application options:

- 2 brush widths combined with further equipment options
- Gooseneck adapter system = maximum flexibility even in hard-to-reach places

TELESCOPIC MAIN POLE

6-sections main telescopic pole:

- Carbon 24K can be extended with up to 2 extension poles.
- Length 8.6 m (collapsed 1,7 m) means you can reach the second floor
- Optimal diameter for perfect ergonomic handling

EXTENSION ADAPTER

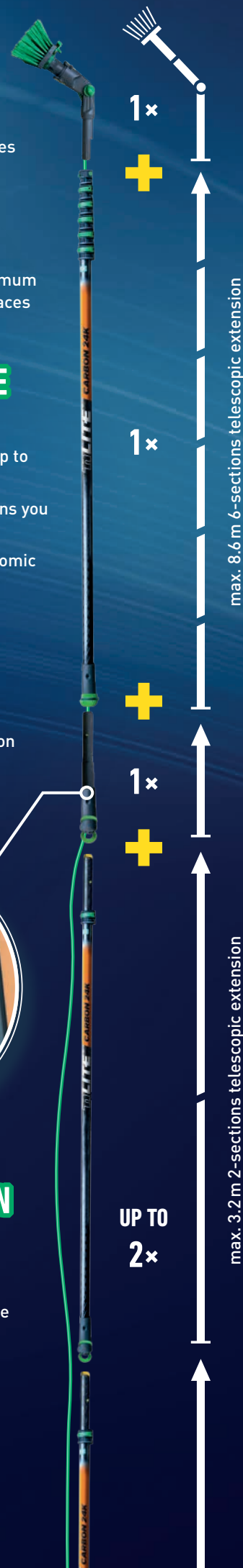
Connects the first telescopic extension pole to the telescopic main pole with internal hose routing.



TELESCOPIC EXTENSION POLE

2-sections telescopic extension pole:

- Length 3.2 m (collapsed 1,8 m) = one floor
- With Carbon 24K, up to 2 extension poles can be used
- Working heights up to 16,20 m
- Constant and optimal diameter for every length



max. 8.6 m 6-sections telescopic extension

max. 3.2 m 2-sections telescopic extension

UNPRECEDENTED DIMENSIONS IN WINDOW CLEANING

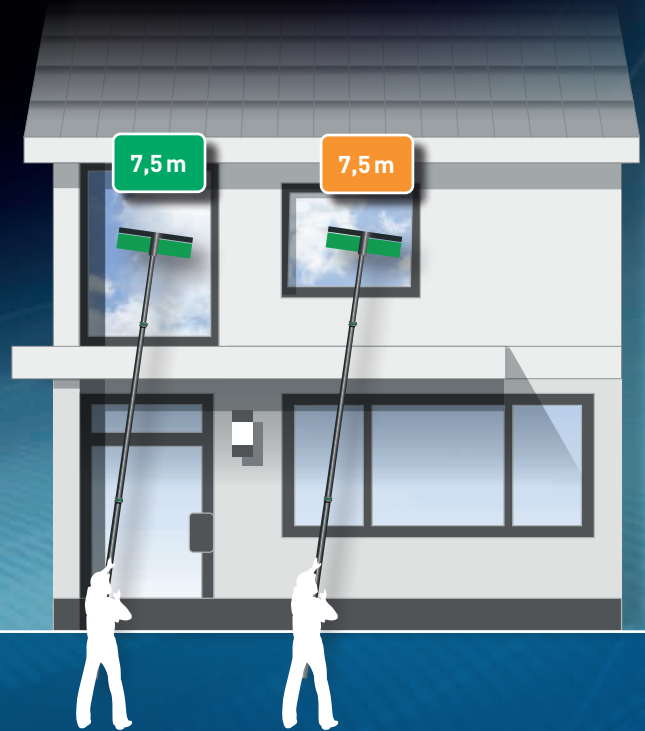
The pole lengths offered by the all new **nLite** system have been created and optimised for your everyday work.

From now on, you can easily think of how many floors' you can clean. The telescopic main pole now measures 8.6 m, so it extends to the 2nd floor. Each extension pole offers exactly the additional length to take you up another storey (3.05 m).

For use in less high buildings or with a boom lift, we have the right solution for you with telescopic poles ranging from 1.6 m to 6 m in length.

UNGER guarantees the best possible premium quality in each of the 2 material classes used and thus the perfect solution for every working height.

4,7 m — Colour = material quality
metres shown = working height



Part number:	CC32T	CC60T	CF60T
Pole elements:	2	4	4
Total pole length:	3.20 m	6.00 m	6.00 m
Recommended for:	Ground floor	1st floor	1st floor

Carbon COMPOSITE

RESILIENCE: 100 GPa

Recommended for working heights of up to **10 m**

CC16T
Pole length 1.6 m



6

5

4

3

2

1

G

CC85T
6
8.60 m
2nd floor

CF86G + 2x CF33G
6 + 2x2
14.70 m
4th floor

Carbon 24k

RESILIENCE: 210 GPa

Recommended for working heights of up to **16 m**

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RINSE BAR

This special flushing nozzle bar is attached above the brush and delivers the right amount of pure water exactly where it is needed for powerful rinsing of the cleaned surface - surface - more effective than ever before! Ideal in connection with the swivel function

- Water jets from the nozzle block built into the middle of the brush ensure powerful dirt removal



POWER BRISTLE TECHNOLOGY

- A** Inner bristles with extremely high cleaning performance, comparable to natural hair bristles
- B** Longer outer bristles for easy gliding: no more annoying jumping of the brush



SOFT TOUCH BUMPER

- The edge protection made of soft plastic:
- Safe protection against scratches and other damage to window frames
 - Significant noise reduction when coming into contact with parts of the building



ON TOP: SWIVEL FUNCTION AND POWER BRISTLE TECHNOLOGY

Outstanding down to the last detail: a fully optimized brush concept prepares you for almost any challenge.

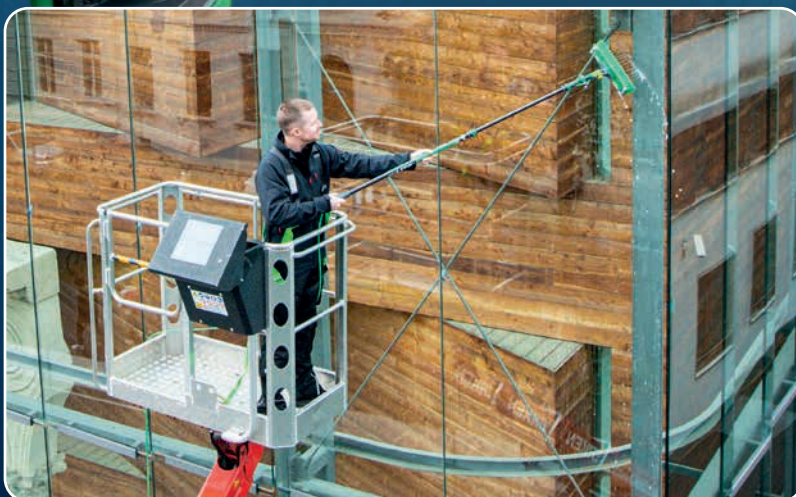
- Clever water distribution system
- Innovative bristle technology
- Precision cleaning down to the last corner
- Ultimate cleaning performance for perfect results



SWIVEL LOCK

You've never cleaned faster and more precisely down to the last corner: the swivel function is a completely new way of cleaning with pure water up to the first floor (6 m). Open the SwivelLock and experience the advantages:

- The brush soaked, which can be swivelled freely through 180°, enables the surface to be cleaned with an S movement with the brush touching down over the entire surface
- Enlarges the work area, ideal for cleaning from boom lifts or gondolas



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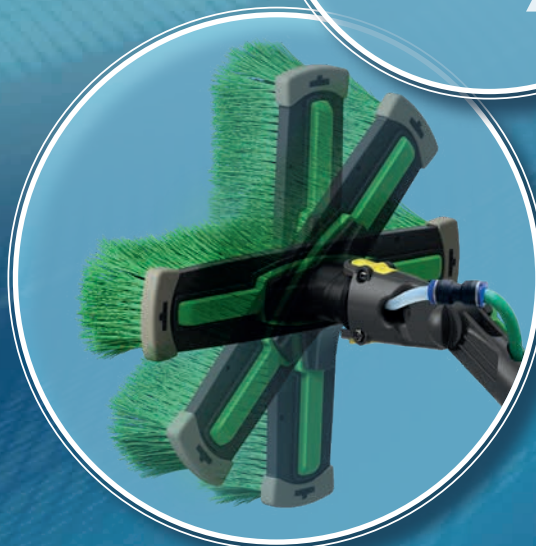
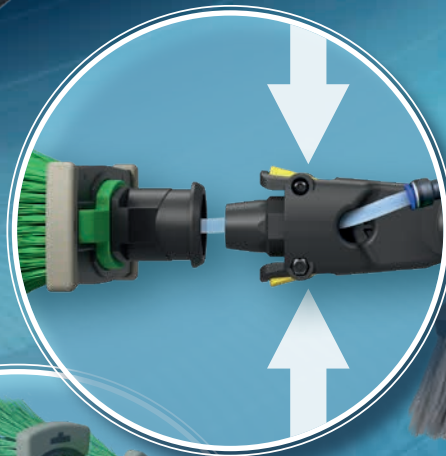
MODULAR ANGLE ADAPTER SYSTEM: CLEAN HARD-TO-REACH PLACES

Another clever feature of the new **nLite** pole system is the modular angle system, in which you can combine four individual elements in any number of variants in order to easily reach places that are difficult to access. Whether conservatories or overhanging façade elements, this system gives you the perfect angle for every application.

Simply adapt the modular angle adapter individually to your application. The angle is freely adjustable and quickly fixed with the clamps.



- A** Pole adapter
- B** Brush adapter
- C** Angle element short
- D** Angle element long



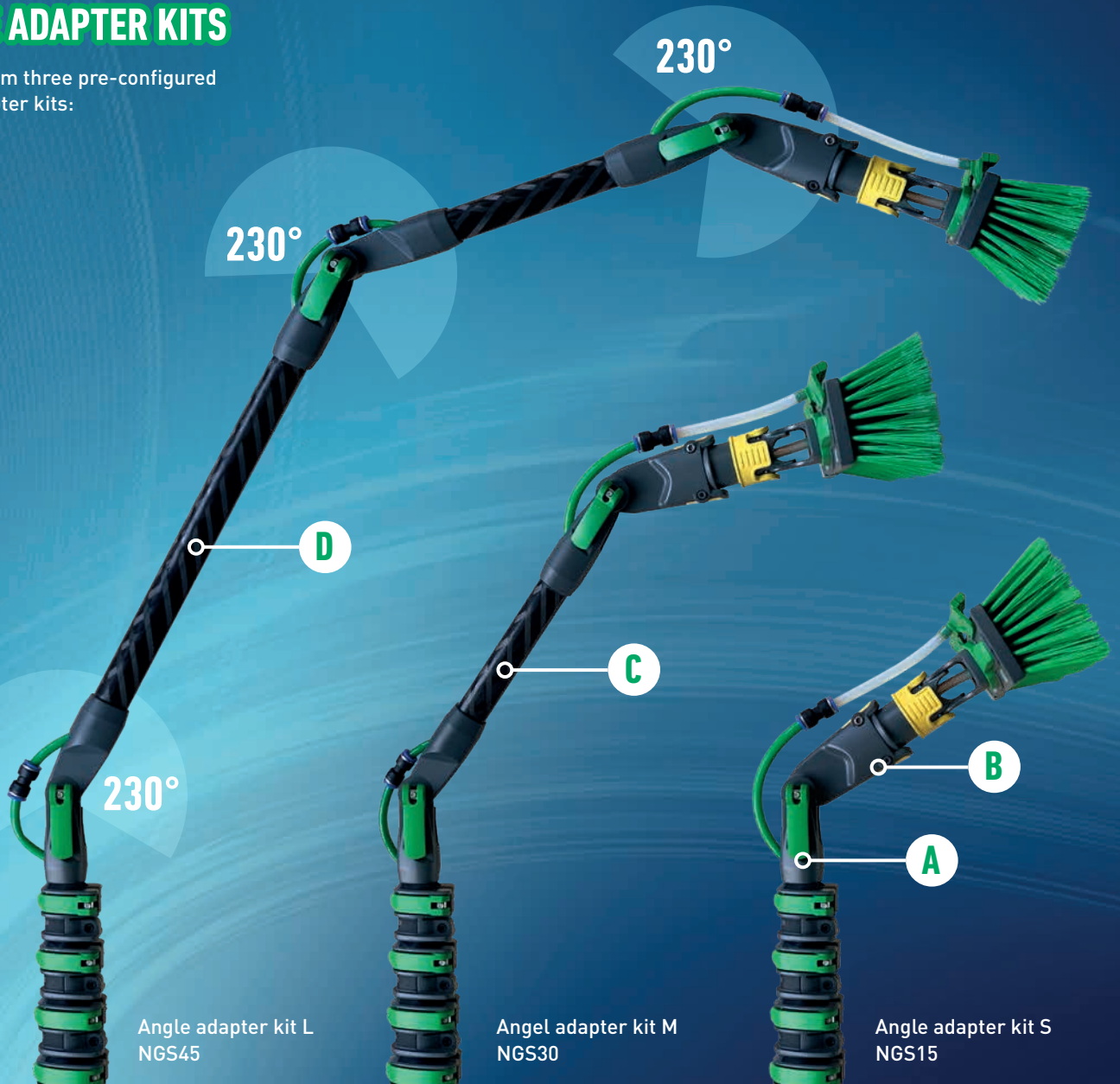
FAST LOCK

With a single click: simple, fast, and stable connection for every work situation:

- Change brushes in seconds
- Adjust brush angle in 45° stages
- No twisting when cleaning!

ANGLE ADAPTER KITS

Choose from three pre-configured angle adapter kits:



HYDRO POWER: OUR INNOVATIVE AND EFFICIENT PURE WATER FILTERS

If you want to clean with the most advanced telescopic pole system, the right pure water filter is indispensable. Depending on your individual requirements, choose between DI or RO in different performance classes. Here you will find the solution that fits your requirements:

ungerglobal.com/en/applications/pure-water-cleaning-system



nLITE® Telescopic poles

	Part No.	Info	Extended	Collapsed	Sections	Pack
CARBON COMPOSITE	CC16T	Telescopic pole	1,6 m	0,9 m	2	1
	CC32T	Telescopic pole	3,2 m	1,7 m	2	1
	CC60T	Telescopic pole	6,0 m	1,7 m	4	1
	CC85T	Telescopic pole	8,6 m	1,7 m	6	1
	CC85H	Telescopic pole CC85T, Angle adapter NGS15, Power brush NFF28, Hose DLS25				
CARBON 24K	CF60T	Telescopic pole	6,0 m	1,7 m	4	1
	CF86G	Telescopic main pole, extendable	8,6 m	1,7 m	6	1
	CF33G	Telescopic extension pole	3,2 m	1,8 m	2	1
	CF12H	Telescopic main pole CF86G, Extension adapter NLHCC, Telescopic expansion pole CF33G, Angle adapter NGS30, Power brush NFF28, Hose DLS25				

nLITE® Power Brushes, Angle Adapters and Accessories

	Part No.	Info	Width	Bristles	Pack
POWER BRUSHES	NFF28	Power brush, simple	28 cm	spliced	1
	NFF41	Power brush, simple	41 cm	spliced	1
	NUF28	Power brush, simple	28 cm	unspliced	1
	NUF41	Power brush, simple	41 cm	unspliced	1
	NFK28	Power brush complete (bumper, swivel function, rinse bar)	28 cm	spliced	1
	NFK41	Power brush complete (bumper, swivel function, rinse bar)	41 cm	spliced	1
	NUK28	Power brush complete (bumper, swivel function, rinse bar)	28 cm	unspliced	1
	NUK41	Power brush complete (bumper, swivel function, rinse bar)	41 cm	unspliced	1
	NFA28	Power brush for nLite® Connect poles (w/ bumper, rinse bar), angle adapter (FTG05)	28 cm	spliced	1
	NFA41	Power brush for nLite® Connect poles (w/ bumper, rinse bar), angle adapter (FTG05)	41 cm	spliced	1
BRUSHES	NUA28	Power brush for nLite® Connect poles (w/ bumper, rinse bar), angle adapter (FTG05)	28 cm	unspliced	1
	NUA41	Power brush for nLite® Connect poles (w/ bumper, rinse bar), angle adapter (FTG05)	41 cm	unspliced	1
	NFS28	Soft brush for gentle surface cleaning (w/ bumper, swivel function, rinse bar)	28 cm	synthetic, 2,5cm	1
	NFS41	Soft brush for gentle surface cleaning (w/ bumper, swivel function, rinse bar)	41 cm	synthetic, 2,5cm	1
	NUH28	Hybrid brush w/extremely powerful cleaning performance (w/ bumper, swivel function, rinse bar)	28 cm	Natural bristles+Power	1
NUH41	Hybrid brush w/extremely powerful cleaning performance (w/ bumper, swivel function, rinse bar)	41 cm	Natural bristles+Power	1	

	Part No.	Info	Length	Pack
ANGLE ADAPTER	NGS15	Angle adapter kit S	15 cm	1
	NGS30	Angle adapter kit M	42 cm	1
	NGS45	Angle adapter kit L	82 cm	1

	Part No.	Info	Length	Diematre	Pack
ACCESSORIES	NLHCC	Extension adapter	40 cm		1
	NLTHR	Euro-thread adaüter for brushes	-		1
	NLCLA	Adapter for traditional window cleaning tools	-		1
	NLWVI	Water flow regulator for DLS25	-	Ø 5/8 mm	1
	22818	Water flow regulator for DLH25	-	Ø 7/10 mm	1
	NLHKP	Clips for outer hose routing	-		6
	DLS25	DuroFlex hose, Ø 8mm outside, 5mm inside	25 m		1
	DLH25	DuroFlex high performance hose, Ø 10mm outside, 7mm inside	25 m		1

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