HD 7/11-4 M CLASSIC

Robust, versatile high-pressure cleaner with steel frame, 4-pole low-speed motor, crankshaft pump with brass cylinder head for long downtime and low maintenance effort.

WORLD'S NO. 1 PRESSURE WASHER BRAND

2-3 h

1 x 360° EASY!Lock

AUTO SHUTDOWN

Order no.	1.367-901.0

- Robust crankshaft pump
- Tubular steel frame
- 4-pole, low-speed, robust three-phase motor

Technical data

EAN code		4066529003966
Number of current phases	**Ph**	1
Voltage	**V**	216 – 244
Frequency	**Hz**	50
Flow rate	**l/h**	450 – 700
Inlet temperature	**°C**	60
Working pressure	**bar**	50 – 110
Max. pressure	**bar**	150
Connected load	**kW**	2.9
Power cable	**m**	5
Nozzle size		050
Water inlet		1"
Colour		anthracite
Weight (with accessories)	**kg**	51.6
Weight incl. packaging	**kg**	64.6
Dimensions (L × W × H)	**mm**	740 × 528 × 952

Scope of supply

Spray gun: Standard

Spray lance: 840 mm

Power nozzle

Equipment

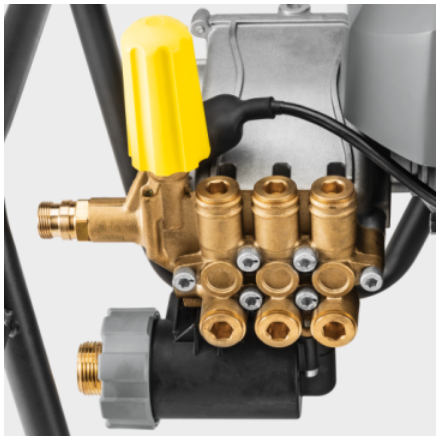
High-pressure hose length: 10 m

High-pressure hose specification: DN 8, 315 bar

Pressure cut-off

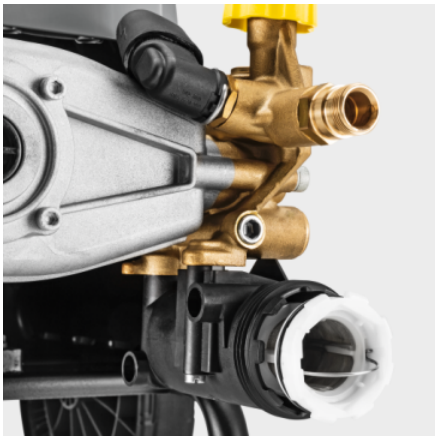
4-pole low-speed electric motor

- Reduced motor speed for less pump wear.
- Long engine life.
- Only very low engine vibrations.



Robust crankshaft pump with brass cylinder head

- Long service life and low maintenance costs.
- Pressure and water volume can be adjusted on the pump itself.
- With suction feature and up to 60 °C water temperature.



Sophisticated construction

- All important components are accessible in a few easy steps.
- The filling level and quality of the oil are easy to read thanks to the inspection glass.
- Integrated water filter can be removed and cleaned without any tools.

HD 7/11-4 M Classic, 1.367-901.0, 2026-09-18

ACCESSORIES FOR HD 7/11-4 M CLASSIC
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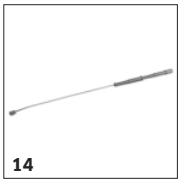
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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance, 840 mm, rotatable	1	4.112-006.0	850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Spray lance Classic EASY!Lock, 1050 mm	2	4.119-008.0	High-pressure spray lance with EASY!Lock screw connections from the Classic series from Kärcher. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Spray lance, 1050 mm, rotatable	3	4.112-000.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Jet pipe with transport packaging, 840 mm	4	4.119-003.0	Rotating Classic spray lance with handle bowls in a stainless steel design. Also suitable for Kärcher hot water high-pressure cleaners.	☐
Jet pipe TR 600mm with package, 600 mm	5	4.119-009.0		☐
Jet pipe Classic TR 100mm, 100 mm	6	4.119-013.0		☐
Jet pipe Classic TR 200mm, 200 mm	7	4.119-014.0		☐
Jet pipe Classic TR 400mm, 400 mm	8	4.119-015.0		☐
LED nozzle light	9	2.680-002.0	Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.	☐
Spray lance, 250 mm, rotatable	10	4.112-027.0	Spray lance, 250 mm, rotatable, ergonomic	☐
Spray lance, 400 mm, rotatable	11	4.112-024.0	Spray lance, 400 mm, rotatable, ergonomic	☐
Spray lance, 600 mm, rotatable	12	4.112-007.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 1550 mm, rotatable	13	4.112-018.0	1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐
Spray lance, 2050 mm, rotatable	14	4.112-021.0	2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	☐

■ Included in the scope of supply. ☐ Available accessories.

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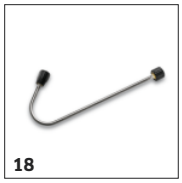
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		Order no.	Description	
SPRAY LANCES				
Rotating spray lances				
Spray lance extender, 1000 mm	15	4.112-048.0	Spray lance extension with EASY!Lock connection. Length 1000 mm.	☐
PowerControl spray lance				
PowerControl spray lance 038	16	4.112-047.0	Infinitely variable pressure adjustment during operation directly in the operator's gripping area, especially for machines without servo control function. The cleaning performance can be adapted to the respective task in an instant. The low pressure mode for the application of the cleaning agent and the adjustment of the jet level round off the product.	☐
Double lance				
Double lance, 960 mm	17	2.112-016.0	960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	☐
Angular spray lance				
Spray lance for toilets and rain gutters	18	4.112-029.0	Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	☐
Flexible spray lance				
Flexible lance, 1050 mm	19	4.112-035.0	1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	☐
High pressure articulated joint	20	4.112-057.0	For hard-to-reach areas: High-pressure articulated joint with infinite angle adjustment up to 120°. Simply attach directly to the spray lance of the pressure washer.	☐
Gutter cleaner				
Gutter cleaning lance	21	2.112-015.0	The lance is suited for cleaning of gutter systems. Because of the shape of the lance and the special nozzle the gutter can be cleaned without removing the cover plates.	☐
Undercarriage spray lance				
Underbody lance	22	4.112-032.0	Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	☐
Additional handle				
Additional handle for EASY!Lock spray lances	23	4.321-380.0	Comfortable in every situation – the additional handle is easy to attach to the spray lance of our new EASY!Lock generation and makes work easier by allowing you to adjust your posture to suit the particular task. Regularly changing your posture relieves the strain on your body, making work more relaxed. Thanks to the 360°-rotatable spray lance, the additional handle can simply be fully rotated whilst working for greater flexibility.	☐
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 10 m, ID 6, 250 bar, 2 × EASY!Lock	24	6.110-034.0	10 m long high-pressure hose with EASY!Lock manual screw fitting on both sides. Nominal size DN 6, suitable up to 250 bar.	■
	25	6.110-035.0	10 m long high-pressure hose (DN 6) equipped with EASY!Lock manual screw fitting on both sides. Suitable up to 250 bar and with ANTI!Twist.	☐
High-pressure hose, 10 m, ID 6, 300 bar, 2 × EASY!Lock	26	6.110-056.0	High-pressure hose (DN 6) equipped with ANTI!Twist and the new EASY!Lock manual screw fitting on both sides. For pressures up to 300 bar. 10 m long.	☐
High-pressure hose, 10 m, ID 8, 315 bar, 2 × EASY!Lock	27	6.110-031.0	High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long.	☐
High-pressure hose, 10 m, ID 10, 220 bar, 2 × EASY!Lock	28	6.110-041.0	Impressive values and basic equipment: 10 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐

■ Included in the scope of supply. ☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Standard with unions on both sides				
High-pressure hose, 15 m, ID 8, 315 bar, 2 × EASY!Lock	29	6.110-030.0	15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose, 20 m, ID 8, 315 bar, 2 × EASY!Lock	30	6.110-032.0	High-pressure hose (DN 8) with a length of 20 m and EASY!Lock manual screw fitting on both sides. Approved for max. 315 bar pressure.	☐
High-pressure hose, 30 m, ID 8, 315 bar, 2 × EASY!Lock	31	6.110-014.0	Comfortable length (30 m) and innovative EASY!Lock manual screw fitting: High-pressure hose (DN 8) with ANTI!Twist for pressures up to 315 bar.	☐
High-pressure hose, 15 m, ID 10, 220 bar, 2 × EASY!Lock	32	6.110-042.0	Equipped with innovative EASY!Lock manual screw fitting and suitable for pressures up to 220 bar: 15 m long high-pressure hose (DN 10).	☐
High-pressure hose, 20 m, ID 10, 220 bar, 2 × EASY!Lock	33	6.110-043.0	20 m in length and the extremely time-saving and comfortable EASY!Lock manual screw fitting on both sides are some of the main features of this high-pressure hose (DN 10).	☐
High-pressure hose, 25 m, ID 10, 220 bar, 2 × EASY!Lock	34	6.110-044.0	Impressive values and basic equipment: 25 m long high-pressure hose (DN 10) developed for pressures up to 220 bar.	☐
High-pressure hose, 40 m, ID 10, 220 bar, 2 × EASY!Lock	35	6.110-045.0	40 m long high-pressure hose with EASY!Lock system for the time-saving manual screw connection (both sides). Nominal size (DN) 10, working pressure up to 220 bar.	☐
High-pressure hose, 15 m, ID 12, 210 bar, 2 × EASY!Lock	36	6.110-059.0	Designed for working pressures up to 250 bar: High-pressure hose (DN 12) with a length of 15 m. Has the comfortable EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose, 40 m, ID 12, 210 bar, 2 × EASY!Lock	37	6.110-060.0	With EASY!Lock manual screw fitting and lots of room for manoeuvre thanks to 40 m in length: High-pressure hose (DN 12) with EASY!Lock manual screw fitting on both sides. Suitable for working pressures up to 250 bar.	☐
Food industry version with unions on both sides				
High-pressure hose food grade, 15 m, ID 6, 250 bar, 2 × EASY!Lock	38	6.110-063.0	15 m long high-pressure hose (ID 6), food grade, with AVS hose reel connection, EASY!Lock hand screw connection and grey, non-marking outer covering.	☐
High-pressure hose food grade, 10 m, ID 8, 250 bar, 2 × EASY!Lock	39	6.110-051.0	High-pressure hose (ID 6), 10 m long, with grey, non-marking outer covering. Approved for use in the food industry. With EASY!Lock hand screw connection at both ends.	☐
High-pressure hose food grade, 20 m, ID 8, 250 bar, 2 × EASY!Lock	40	6.110-052.0	Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, ANTI!Twist and EASY!Lock hand screw connections.	☐
Classic				
High-pressure hose Classic, 10 m, ID 8, 315 bar × , EASY!Lock	41	4.119-005.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Hose TR DN8 31,5MPa 20m with package, 20 m, ID 8, 315 bar × , EASY!Lock	42	4.119-006.0		☐

☐ Available accessories.

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		Order no.	Description	
HIGH-PRESSURE HOSES				
Classic				
Hose TR DN8 31,5MPa 30m with package, 30 m, ID 8, 315 bar × , EASY!Lock	43	4.119-007.0	High pressure hose with convenient EASY!Lock manual fitting from the Classic series by Kärcher. Also suitable for hot water high-pressure cleaners.	☐
Hose assembly with package TR DN10 25MPa, 20 m, ID 10, 250 bar × , EASY!Lock	44	4.119-019.0		☐
Hose assembly with package TR DN10 25MPa, 40 m, ID 10, 250 bar × , EASY!Lock	45	4.119-020.0		☐
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 2 × EASY!Lock	46	6.110-024.0	1.5 m high-pressure hose (DN 8) with EASY!Lock manual screw fitting on both sides. Designed for max. 400 bar pressure.	☐
High-pressure hose Longlife, 1,5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	47	6.110-069.0	1.5 m long high-pressure hose (DN 8) suitable for up to 400 bar pressure with double steel core. Connections: M 22 × 1.5, as well as the comfortable and quick EASY!Lock manual screw fitting.	☐
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	48	6.110-038.0	10 m long high-pressure hose (DN 8) with double steel core, EASY!Lock manual screw fitting on both sides, and ANTI!Twist. Approved for max. 400 bar pressure.	☐
High-pressure hose Longlife, 30 m, ID 8, 400 bar, 2 × EASY!Lock	49	6.110-023.0	High-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, approved for max. 400 bar pressure.	☐
High-pressure hose Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	50	6.110-027.0	High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.	☐
High-pressure hose Longlife, 15 m, ID 8, 400 bar, 2 × EASY!Lock	51	6.110-029.0	The double steel core ensures a particularly long life of this 15 m long high-pressure hose (DN 8), which is approved for pressures up to 400 bar.	☐
Longlife food design with screw connections at both ends				
High-pressure hose food grade Longlife, 10 m, ID 8, 400 bar, 2 × EASY!Lock	52	6.110-053.0	With blue, non-marking and animal fat-resistant outer covering: High-pressure hose (ID 8), 10 m long, with ANTI!Twist and EASY!Lock hand screw connection at both ends.	☐
High-pressure hose food grade Longlife, 20 m, ID 8, 400 bar, 2 × EASY!Lock	53	6.110-054.0	High-pressure hose with double steel reinforcement and blue, non-marking and animal fat-resistant outer covering. 20 m long with EASY!Lock hand screw connections.	☐
Special hoses				
High-pressure hose curved, 1.5 m, ID 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1.5	54	6.110-068.0	For connection to hose reels: high-pressure hose, with M 22 × 1.5 connection and curved EASY!Lock hand screw connection. 1.5 m long, suitable for up to 400 bar working pressure.	☐
TRIGGER GUNS				
Spray guns				
Pistol TR 155°C with package	55	4.119-002.0	Classic spray gun with valve. Also suitable for Kärcher hot water high-pressure cleaners.	■
EASY!Force conversion kit 1 – from high-pressure hose	56	4.111-050.0	For retrofitting Kärcher high-pressure cleaners with existing high-pressure hose: EASY!Force conversion kit 1 with EASY!Force high-pressure gun, spray lance and all adapters through to the nozzle.	☐

■ Included in the scope of supply. ☐ Available accessories.

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		Order no.	Description	
TRIGGER GUNS				
Spray guns				
EASY!Force conversion kit 2 – from machine	57	4.111-051.0	Developed for retrofitting existing high-pressure cleaners from Kärcher: EASY!Force conversion kit 2 with EASY!Force high-pressure gun, spray lance, high-pressure hose and necessary adapters.	☐
EASY!Force conversion kit 3 – high-pressure gun	58	4.111-052.0	Compatible with existing high-pressure hose and spray lance: EASY!Force conversion kit 3, incl. EASY!Force trigger gun and all necessary adapters for upgrading your high-pressure cleaner.	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle 25°, 050	59	2.113-023.0	Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
Power nozzle 25°, 036	60	2.113-005.0		☐
HP nozzle spray angle 0°				
Power nozzle 0°, 040	61	2.113-001.0	High-pressure nozzle with powerful jet for extremely stubborn dirt.	☐
Power nozzle 0°, 050	62	2.113-034.0		☐
Power nozzle spray angle 40°				
Power nozzle 40°, 040	63	2.113-003.0	Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	☐
Power nozzle 40°, 050	64	2.113-054.0		☐
Power nozzle spray angle 15°				
Power nozzle 15°, 055	65	2.113-047.0	Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	☐
ROTARY NOZZLES (DIRT BLASTERS)				
Dirt Blaster, small				
Dirt blaster, small, 040	66	4.114-020.0	With rotating point jet: The dirt blaster with nozzle size 040 is suitable for removing stubborn dirt.	☐
Dirt blaster, large				
Dirt blaster, large, 040	67	4.114-041.0	The dirt blaster with rotating pencil jet offers 10 times better cleaning performance. Ceramic nozzle and bearing ring for a long service life. Further data: Max. 300 bar, 30 MPa, 85°C.	☐
Dirt blaster, large, 050	68	4.114-027.0		☐
Classic rotary nozzle				
Rotor nozzle TR 040	69	4.119-023.0	The powerful rotating point jet of the Classic rotary nozzle from Kärcher ensures the best possible cleaning results and is suitable for water temperatures of up to 60 °C.	☐
MULTIPLE-JET NOZZLES				
Triple nozzles				
Triple nozzle, 036	70	4.117-031.0	Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For machines with an injector, the low-pressure flat stream is useful for cleaning agent suction and application.	☐

■ Included in the scope of supply. ☐ Available accessories.

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		Order no.	Description	
MULTIPLE-JET NOZZLES				
Triple nozzles				
Triple nozzle, 050	71	4.117-037.0	Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For machines with an injector, the low-pressure flat stream is useful for cleaning agent suction and application.	☐
Angled vario nozzle 0-90°				
Angled Vario nozzle, 050	72	4.113-007.0	Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	☐
ECO!BOOSTER				
eco!Booster TR 036	73	2.113-083.0	eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 036).	☐
eco!Booster TR 050	74	2.113-088.0	eco!Booster with 50% higher area performance than the Kärcher power nozzle; ideal for delicate surfaces. For cold and hot water high-pressure cleaners (nozzle size 050).	☐
Eco!Booster MAX TR 050	75	2.113-097.0	eco!Booster MAX: 100 percent higher area performance compared to the Kärcher standard flat jet nozzle.	☐
OTHER HP ACCESSORIES				
Coin remote control	76	2.644-029.0	Coin remote control with electronic coin acceptor for connecting a high-pressure cleaner as a pre-wash device. Please have the power outlet and cable provided on site.	☐
Jet gun	77	2.869-067.0	Spray lance with immediate shut-off and infinitely variable pressure and water volume control.	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	78	2.880-001.0		☐
QUICK CONNECT				
Quick coupling	79	2.115-000.0	For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 × 1.5 internal thread.	☐
Male coupling	80	2.115-001.0	Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.	☐
DRUM AND TANK CLEANING				
Add-on kit mud sucker	81	2.641-798.0	For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.	☐
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Hose assembly TR pipe cleaning DN6 14MPa	82	6.110-108.0	10 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	☐
	83	6.110-109.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
	84	6.110-110.0	30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	☐

☐ Available accessories.

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		Order no.	Description	
PIPE CLEANING				
Pipe cleaning hose, ID 6				
Pipe cleaning hose, ID 6, 10 m, max. 140 bar	85	6.110-048.0	10 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	☐
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	86	6.110-049.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, ID 6, 30 m, max. 140 bar	87	6.110-050.0	30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	☐
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	88	6.110-046.0	The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	89	6.110-008.0	The 20 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning hose, ID 6, 30 m, max. 250 bar	90	6.110-047.0	The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	☐
Pipe cleaning nozzle				
Pipe cleaning dirt blaster D21/040	91	4.765-001.0	The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	☐
Pipe cleaning dirt blaster D30/040	92	4.765-004.0		☐
Pipe cleaning nozzle	93	5.763-015.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for cleaning blocked drains and pipes.	☐
	94	5.763-020.0		☐
	95	5.763-017.0	Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)	☐
Rotating pipe cleaning nozzle	96	6.415-428.0	Pipe cleaning nozzle with four rotating jets and inner thread. Different spray directions. The hose moves freely through the pipe. With R 1/8" connection.	☐
Pipe cleaning dirt blaster D21/060	97	4.765-002.0	The forward-tilted rotating pencil jet removes the most stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	☐
Pipe cleaning dirt blaster D30/060	98	4.765-005.0		☐

☐ Available accessories.

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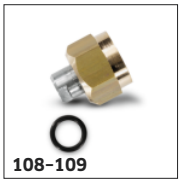
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		Order no.	Description	
PIPE CLEANING				
Pipe cleaning nozzle				
Pipe cleaning nozzle 080	99	5.763-087.0	Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	☐
Pipe cleaning nozzle	100	5.763-019.0	16 mm pipe cleaning nozzle with internal thread. Various jet directions for cleaning blocked drains and pipes.	☐
	101	5.763-016.0		☐
	102	5.763-021.0	30 mm pipe cleaning nozzle with internal thread. Various jet directions for cleaning blocked drains and pipes.	☐
Rotating pipe cleaning nozzle	103	6.415-440.0	Rotating pipe cleaning nozzle with internal thread and four rotating jets for cleaning blocked drains and pipes.	☐
FLOOR AND HARD SURFACE CLEANER				
FR Classic surface cleaner				
FR Classic surface cleaner	104	2.111-016.0	The ideal entry-level model in the Kärcher surface cleaner range for cleaning surfaces indoors and outdoors. With splash guard and up to 150 bar working pressure.	☐
FR TR 40 Classic	105	4.119-029.0	The classic surface cleaner with 400 mm diameter and nozzle kit supplied (2 × size 020; others can be ordered separately).	☐
FR TR 30 Classic	106	4.119-030.0	The classic surface cleaner with 300 mm diameter and nozzle kit supplied (2 × size 018; others can be ordered separately).	☐
Hard surface cleaner FR 30				
FR 30 Surface Cleaner	107	2.111-011.0	Up to 10 times greater area performance compared with the conventional high-pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for optimal handling and integrated parking position. Machine-specific nozzle kit must be ordered separately. Max. 180 bar / 850 l/h / 60°C.	☐
Machine-specific nozzle kits for FR				
Nozzle kit for FR, 450 l/h – 500 l/h	108	2.640-482.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (450 to 500 l/h).	☐
Nozzle kit for FR, 850 l/h – 1100 l/h	109	2.640-442.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	☐
Machine-specific nozzle kits for FR Classic				
Nozzle kit for FR Classic, 040	110	2.885-312.0	Nozzle kit specifically for FR Classic surface cleaner.	☐
Hard Surface Cleaner FRV 30				
FRV 30 Surface Cleaner	111	2.111-010.0	Integrated automatic suction removes dirty water through the supplied 5 m suction hose, eliminating the need to rinse the surface after cleaning and allowing use in inside and outside areas. Features include non-marking steering rollers and double ceramic bearings. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1000 l/h / 60 °C.	☐
Rubber lip for FRV 30	112	2.642-910.0	For smooth floors indoors. The squeegee increases the suction performance of the FRV 30 and minimises the amount of water remaining. This means the floor is dry in just a few minutes.	☐

☐ Available accessories.

ACCESSORIES FOR HD 7/11-4 M CLASSIC
1.367-901.0

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		Order no.	Description	
FLOOR AND HARD SURFACE CLEANER				
Hard Surface Cleaner FRV 30				
Extension hose 5 m	113	4.440-939.0	5m extension hose for FRV 30. Connection sleeve included.	☐
Hose fastening attachment kit	114	2.642-528.0	Suction cup for fixing the suction hose to smooth surfaces.	☐
Dirt trap attachment kit	115	2.642-532.0	Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	☐
FR 30 Me surface cleaner				
Hard Surface Cleaner FR 30 Me	116	2.111-013.0	Hot water resistant stainless steel surface cleaner with double ceramic bearings, non-marking swivel castors and suction hose connection. Ideal for indoor cleaning, e.g. food industry.	☐
Hard Surface Cleaner FR 50				
Surface Cleaner FR 50 Me	117	2.111-023.0	Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas.With double ceramic bearings, push handle, non-marking swivel castors and detergent dosing system.	☐
Machine-specific nozzle kits for FRV				
Nozzle kit for FRV, 050	118	2.642-433.0	Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	☐
FRV 30 Me surface cleaner				
FRV 30 Me Surface Cleaner	119	2.111-012.0	The stainless steel FRV 30 Me Surface Cleaner is designed for hot water cleaning up to 85 °C in inside and outside areas. Integrated automatic suction removes dirty water directly during operation.	☐
Extension hose FRV 30 Me and FRV 50 Me	120	4.441-040.0	5 m extension hose for FRV 30 Me. Includes connecting adapter.	☐
Surface Cleaner FR 50 Me				
FRV 50 Me surface cleaner	121	2.111-024.0	Surface cleaning with automatic suction of the dirty water for very large surfaces – this means the FRV 50 Me. Hot water cleaning up to 85°C. The FRV 50 Me features a temperature-resistant 10 m polyurethane suction hose. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 2000 l/h / 85°C.	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance Advanced 1, 400 l/h – 600 l/h	122	4.112-063.0	Cup foam lance Advanced 1 with spray angle adjustment and main body made of lead-free brass. Suitable for Kärcher high-pressure cleaners with a flow rate of 400 to 600 l/h.	☐
Cup foam lance DUO Advanced 1, 400 l/h – 600 l/h	123	4.112-067.0	DUO Advanced 1 cup foam lance with two-litre detergent tank and direct switching to high-pressure cleaning. Suitable for Kärcher pressure washers with a flow rate of 400 to 600 l/h.	☐
Foam lance TR 400-600 L/H, 400 l/h – 600 l/h	124	4.119-027.0	The Classic cup foam lance has a 1-litre container and allows the detergent dosing unit and the angle of the detergent jet to be adjusted with precision.	☐
Cup foam lance Basic 1, 350 l/h – 600 l/h	125	4.112-053.0	Basic 1 cup foam lance for high-pressure cleaners with a flow rate of 350–600 l/h: Reduces cleaning agent consumption by 50% compared to cup foam lances without a dosing facility.	☐
Cup foam lance Advanced 3, 900 l/h – 2500 l/h	126	4.112-065.0	Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobrass for high-pressure cleaners from Kärcher.	☐

☐ Available accessories.

ACCESSORIES FOR HD 7/11-4 M CLASSIC
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		Order no.	Description	
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance DUO Advanced 3, 900 l/h – 2500 l/h	127	4.112-069.0	DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.	☐
Cup foam lance Basic 3, 900 l/h – 2500 l/h	128	4.112-055.0	Basic 3 cup foam lance for high-pressure cleaners with a flow rate of 900–2500 l/h: Reduces cleaning agent consumption by 50% compared to cup foam lances without a dosing facility.	☐
1-litre cleaning agent container for cup foam lance basic	129	5.071-414.0	For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).	☐
1-litre cleaning agent container for cup foam lance advanced	130	6.414-050.0	Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).	☐
Nozzle kits for Inno/Easy Foam Set				
Nozzle kit 055 for Inno / Easy Set 500–600 l/h	131	2.111-009.0	Optimal adaptation to different machine outputs for economic use.	☐
Nozzle kit 090 for Inno / Easy Set 700–1,000 l/h	132	2.111-019.0	Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	☐
Inno Foam Kit				
Inno Foam Set with detergent injector	133	2.112-000.0	High-pressure foam system with double lance (foam nozzle and high-pressure jet for rinsing). For use with mobile and stationary high-pressure and HDS pressure cleaners for cleaning or disinfection.	☐
Easy Foam Set				
Easy Foam Set with RM injector	134	2.112-010.0	HP foam system for use with. HD/HDS units for cleaning and disinfecting. Foam nozzle for connection to lance and HP chemical injector with precision 0-5% metering valve. The machine specific nozzle kit has to be ordered separately.	☐
Foam nozzle mounting kit				
Foam nozzle attachment kit	135	2.112-013.0	Foaming agent kit. The foam nozzle is ideal for use in sanitary areas and the food industry and wherever long application times are necessary.	☐
MIXERS AND INJECTORS				
Machine-specific nozzle kit with order no. 4.637-033.0				
Nozzle kit HD 500–700 l/h	136	4.769-005.0	For HD 500 – 700 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Nozzle kit 750–1000 l/h	137	4.769-011.0	For HD/HDS 750 – 1000 l/h. Consists of nozzle insert + HP power nozzle + union	☐
Cleaning agent injector				
Cleaning agent injector for high and low pressure (without nozzles)	138	4.637-032.0	Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	☐
Cleaning agent injector for high pressure (without nozzle)	139	4.637-033.0	Cleaning agent dosage at high pressure 3 – 5 %	☐
Stainless steel injector kit for HD 10/25-4S	140	6.645-761.0	Stainless steel injector for cleaning agent and foam applications. Specifically for the HD 10/25-4 S High-pressure cleaner. For precise cleaning agent dosage.	☐

☐ Available accessories.

ACCESSORIES FOR HD 7/11-4 M CLASSIC
1.367-901.0

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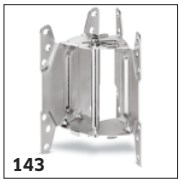
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		Order no.	Description	
MIXERS AND INJECTORS				
Nozzle insert with order no. 4.637-032.0				
Nozzle insert up to 1,100 l/h – high pressure	141	4.769-003.0	Nozzle insert for detergent injector 3.637-001 for high-pressure detergent application. For high-pressure cleaners with a water flow rate up to 1100 l/h.	☐
Nozzle insert up to 1,100 l/h – low pressure	142	4.769-001.0	For low pressure with machines up to 1.100 l/h	☐
HOSE REELS				
Manual hose reel attachment kit				
Hose reel attachment kit for the high-pressure Classic middle class	143	2.639-364.0	Hose reel attachment kit for retrofitting high-pressure cleaners from the Classic middle class. With high-pressure hose reel, high-pressure hose (20 m), connection hose, brackets and small parts.	☐
Automatic, self-winding hose reels for wall mounting				
Automatic plastic hose reel incl. high-pressure hose, 15 m	144	2.639-257.0	Spring-mounted and ready-to-use automatic hose reel for wall mounting. Simplifies handling of the high-pressure hose, shortens set-up times and increases occupational safety.	☐
Automatic hose reel, powder-coated steel / plastic, 20 m	145	6.392-074.0	Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	☐
Automatic stainless steel / synthetic material hose drum, 20 m	146	6.392-083.0	Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	☐
Automatic hose reel, coated, 20 m	147	6.392-106.0	Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	☐
Hose reel, automatic, basalt grey-coated, 20 m	148	6.392-105.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. For example: order no. 6.110-011.0 (ID 8, 20 m, 315 bar) or order no. 6.110-028.0 (ID 8, 20 m, 400 bar Longlife).	☐
Automatic hose reel, stainless steel, includes swivel holder, 20 m	149	6.392-076.0	Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	☐
Automatic stainless steel hose reel, 40 m	150	6.392-442.0	Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses. Compatible high-pressure hose, e.g. order no. 6.110-076.0 (ID 8, 40 m, 400 bar, 1x hose reel connection attachment kit).	☐
Zinc-coated swivel holder	151	2.639-931.0	Swivel holder for automatic hose reel wall mounting. For maximum action radius and flexibility of high-pressure hose. Rotatable 120°. Galvanised steel.	☐
Stainless steel swivel holder	152	2.641-867.0	Swivelling wall bracket made of high-grade steel (for 2.641-866). This makes maximum flexibility and convenience possible when working with the HP hose.	☐
WET BLASTING ATTACHMENT				
Nozzle kits for wet jet unit				
Nozzle kit for wet jet unit 035	153	2.112-021.0	Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment performance. Only in combination with wet blasting attachment 4.115-000.0 | 4.115-006.0.	☐
Nozzle kit for wet jet unit 050	154	2.112-023.0	Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment performance. Only in combination with wet blasting attachment .	☐

☐ Available accessories.

ACCESSORIES FOR HD 7/11-4 M CLASSIC
1.367-901.0

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		Order no.	Description	
WET BLASTING ATTACHMENT				
Boron carbide nozzle				
Boron carbide nozzle, for machines up to 1,000 l/h	155	6.415-084.0	In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	☐
Boron carbide, for machines from 1,000 l/h	156	6.415-083.0		☐
Wet blasting attachment (without nozzle)				
Wet blasting attachment with flow control (without nozzles)	157	4.115-000.0	Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet.	☐
Wet blasting attachment without flow control (nozzles not included)	158	4.115-006.0	Addition of spray agent to the high pressure jet. For paint stripping, rust removal and descaling. Assembly on spray lance instead of high-pressure nozzle. Without water flow regulation	☐
WATER CONNECTION				
Geka coupling				
Geka connector with hose barb, R 1/2"	159	6.388-461.0	with hose liner	☐
Geka connector with hose barb, R 3/4"	160	6.388-455.0		☐
Geka connector with inner thread, R 3/4"	161	6.388-473.0	with female thread	☐
Geka connector with hose barb, R 1"	162	6.388-465.0	with hose barb	☐
Geka connector with internal thread, R 1"	163	6.388-458.0	with female thread	☐
Water supply hose				
Water supply hose	164	4.440-038.0	NW 13 R1" / R 3/4", up to 30 °C	☐
	165	4.440-207.0	NW 19 R1" / R 3/4", up to 85 °C, for pick-up	☐
	166	4.440-270.0	NW 19 R1" / R1", up to 85 °C	☐
Suction filter				
Water suction filter	167	6.414-956.0	Suitable for ponds, storage tanks or similar, polyamide filter casing, stainless steel strainer, 800 µm mesh, R 3/4" and R 1" connection, without non-return valve	☐
Suction filter with check valve	168	4.730-012.0	Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	☐

☐ Available accessories.

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ACCESSORIES FOR HD 7/11-4 M CLASSIC
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		Order no.	Description	
WATER CONNECTION				
Water fine filter				
Universal water fine filter, 25 µm	169	2.637-020.0	Fine water filter, mesh size 25 µm, max. temperature 50° C. Protects the device from dirt particles in the water. Maximum flow rate: 1,200 l/h. Connection 3/4", including 1" adapter.	☐
Water fine filter, with adapter	170	4.730-102.0	Fine-mesh water filter, 125 µm, max. temperature 50°C. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connection 3/4", with adapter, 1".	☐
Water fine filter, 100 µm, R 1"	171	2.638-270.0	Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	☐
WASHING BRUSHES				
Rotating washing brush				
Rotating wash brush for < 1000 l/h machines, nylon bristles	172	4.113-004.0	The rotating wash brush gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 60°C. (M 18 × 1.5, replaceable brush insert).	☐
Rotating wash brush for machines < 1000 l/h, natural bristles	173	4.113-003.0	Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert).	☐
Rotating wash brush for > 1000 l/h machines, nylon bristles	174	4.113-002.0		☐
Rotating wash brush for > 800 l/h machines, natural bristles	175	4.113-005.0		☐
Push-on washing brush				
Push-on wash brush	176	4.113-001.0	For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection	☐
STEAM JET NOZZLE / NOZZLE PROTECTOR / ROLLOVER NOZZLE				
Rollover nozzle holder				
Owner of jets double brass	177	4.764-012.0	Rollover nozzle holder for contactless changeover from pencil jet to fan jet as well as low-pressure detergent injection via knurled nut. Without nozzle insert. (Additional type-specific power nozzle).	☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle screws	178	4.112-011.0	Nozzle screws with protectors for high-pressure and power nozzles	☐
COUPLING PARTS				
Rotary coupling				
Rotary coupling	179	4.111-021.0	Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection	☐
Connector				
Screw socket for surface cleaners and Servo Control controllers	180	4.111-022.0	For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) – 1 × M 22 × 1.5/1 × M 18 × 1.5.	☐
Y distributor	181	4.111-024.0	Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.	☐
Short spray unit	182	4.111-038.0	For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	☐

☐ Available accessories.

ACCESSORIES FOR HD 7/11-4 M CLASSIC
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		Order no.	Description	
COUPLING PARTS				
EASY!Lock adapter				
Adapter 1 M22AG-TR22AG	183	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	184	4.111-030.0	Adapter 2 to connect the old device with the new hose and the old gun with the new hose	☐
Adapter 3 M22IG-TR22AG	185	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter 4 TR22IG-D11	186	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐
Adapter 5 TR22IG-M22AG	187	4.111-033.0	Adapter 5 to connect the new gun with the old spray lance and new servo regulator with the old spray lance	☐
Adapter 6 TR22IG-M22AG	188	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐
Adapter 7 M18IG-TR20AG	189	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐
Adapter 8 TR20IG-M18AG	190	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
Adapter hose extension 9 TR	191	4.111-037.0	Adapter 9 to connect the new hose with the new hose	☐
Adapter 12 rotary coupling EASY!Lock 22 IG – M22 × 1.8 AG	192	4.111-046.0	Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	☐
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Drive for roller brush 500	193	4.762-584.0	Hydraulic drive for rotating roller brushes. For cleaning façades or solar power installations with our professional high-pressure cleaners. Installation on spray lance or telescopic lance.	☐
Splash guard for roller brush 500	194	4.762-621.0	Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.	☐
Roller brush 500 soft	195	4.762-623.0	Soft brush attachment for use with hydraulic drive (4.762-584.0). Ideal for glass and solar power installation cleaning. Easy quick-change system and secure mounting on drive.	☐
Roller brush 500 medium	196	4.762-624.0	Medium-hard brush attachment for use with hydraulic drive (4.762-584.0). Suitable for sensitive façades, foils and fabrics. Easy and safe quick-change system.	☐

☐ Available accessories.

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		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Brushes				
Roller brush 500 hard	197	4.762-625.0	Hard brush attachment for use with hydraulic drive (4.762-584.0). For rough façades, stone and wooden patios. Safe and easy quick-change system.	☐
Brush hard	198	6.960-133.0	Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.	☐
Brush medium	199	6.960-134.0	Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher.	☐
Brush soft	200	6.960-135.0	For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems.	☐
iSolar 800 Advanced	201	6.368-094.0	iSolar 800 water-driven brush head, 800 mm wide, for water flow rates of 700-1,000 l/h. With two contra-rotating disc brushes and flexible angle joint. For photovoltaic systems.	☐
iSolar 400 Advanced	202	6.368-092.0	iSolar 400 brush for water flow rate of 700-1,000 l/h. The water-driven disc brush with a width of 400 mm cleans small to medium-sized photovoltaic systems. Also perfect for use on elevated systems.	☐
Telescopic lances				
TL low pressure adapter	203	4.580-097.0	TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes.	☐
Telescopic lance TL 7 F	204	4.762-609.0	Telescopic lance TL 7 F with 7 m reach made from lightweight glass fibre. With quick-release fasteners for retraction and extension.	☐
Telescopic lance TL 7 H	205	4.762-610.0	Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach.	☐
Telescopic lance TL 10 H	206	4.762-611.0	Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners.	☐
Telescopic lance TL 10 C	207	4.762-612.0	Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels.	☐
Telescopic lance TL 14 C	208	4.762-613.0	Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners.	☐
TL high pressure adapter	209	4.775-154.0	TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individuals.	☐
Water softening				
WS 50	210	6.368-463.0	The mobile WS 50 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐

☐ Available accessories.

ACCESSORIES FOR HD 7/11-4 M CLASSIC
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		Order no.	Description	
FACADE AND SOLAR PANEL CLEANING				
Water softening				
WS 100	211	6.368-464.0	The mobile WS 100 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.	☐
WS Regenerator	212	6.368-465.0	With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button.	☐
Hoses				
iSolar HP hose 7	213	6.392-978.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
iSolar HP hose 10	214	6.392-977.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
iSolar HP hose 14	215	6.392-976.0	High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.	☐
Attachment kits and adapters				
iSolar fall protection	216	6.988-152.0	Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case.	☐
DRUM AND TANK CLEANING				
Barrel and tank cleaning				
Barrel cleaner BC 14/12	217	2.112-020.0	The BC 14/12 barrel cleaner is a spray unit for the interior cleaning of containers and barrels – especially oak barrels with a capacity of between 225 and 600 litres.	☐
Spray head HKF 30/14-E	218	6.751-061.0	Compact interior cleaning head made of stainless steel for cleaning the interiors of drums and containers with openings of 65 mm or more. Offers an impressively low weight and constant rotation speed by means of an electric motor.	☐
Nozzle kit for spray head HKF 50 (3.631-009.0 / 3.631-039.0)				
Nozzle 045 for 2-nozzle operation HKF 50	219	6.415-446.0	Nozzle for dual-nozzle operation	☐
High-pressure full jet nozzle 090 for interior cleaning heads	220	6.415-447.0	High-pressure full jet nozzle 090 for interior cleaning heads with a spray angle of 0°, made of hardened stainless steel and with 1/8-inch thread.	☐
Double grip for precise control of spray head	221	2.863-036.0	Double handle. Precise control of the spray head	☐
1/8" screw plug for interior cleaning heads	222	5.411-061.0	Screw plug for high-pressure interior cleaning heads with 1/8-inch thread.	☐

☐ Available accessories.