



HD 13/12-4 ST

The space-saving stationary high-pressure cleaners from Kärcher with up to 6 supply points can be individually configured according to requirements and impress with low wear and tear.





HD 13/12-4 ST

Technical data

Order Number	1.524-950.2	
Current type	Ph / V / Hz	3 / 400 / 50
Fuse protection	A	16
Flow rate	l/h	650-1300
Operating pressure	bar / MPa	30-120 / 3-12
Max. pressure	bar / MPa	150 / 15
Max. water feed temperature	°C	70
Power rating	kW	7,3
Weight	kg	72
Dimensions (L x W x H)	mm	533 x 420 x 790

Equipment

Trigger gun	EASY!Force Advanced	
Servo Control	-	
High-pressure hose	m	10 / ID 8, 315 bar
Triple nozzle (0°/25°/40°)	Manual	
Anti-twist system (AVS)	-	
Stainless steel spray lance	mm	1050
Ready for remote control	■	
Ready for Servo Control	■	

■ Included in delivery.

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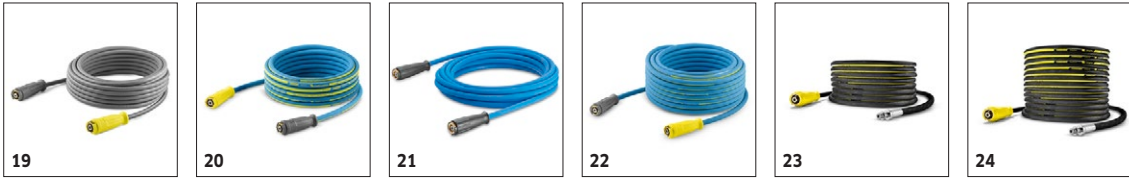


		Order Number	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides								
High-pressure hose, 15 m DN 10, 220 bar, extension	1	6.110-042.0	ID 10	220 bar	15 m		15 m high-pressure hose M 22 x 1.5) with kink protection and threaded couplings at both ends. Further data: DN 10/155°C/220 bar.	▲
High-pressure hose, 20 m DN 10, 220 bar, extension	2	6.110-043.0	ID 10	220 bar	20 m		with union on both sides, M 22 x 1.5 with anti-kink protection. NW 10/155°C/220 bar	▲
High-pressure hose, 25 m DN 10, extension, not rotatable	3	6.110-044.0	ID 10	220 bar	25 m			▲
Hose assembly premium DN12 21MPa 15m	4	6.110-059.0	ID 12	210 bar	15 m		High-pressure hose for water volumes greater than 1,800 l/h. With union on both sides. 2x M 22 x 1.5 with anti-kink protection.	▲
Hose assembly premium DN12 21MPa 40m	5	6.110-060.0	ID 12	210 bar	40 m			▲
Hose assembly TR DN10 22MPa 10m	6	6.110-041.0	ID 10	220 bar	10 m			▲
High-pressure hose, 10 m DN 8, AVS trigger gun connector	7	6.110-031.0	ID 8	315 bar	10 m		10 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	■
High-pressure hose, 20 m DN 8, AVS trigger gun connector	8	6.110-032.0	ID 8	315 bar	20 m		20 m high-pressure hose (M 22 x 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	□
Longlife 400 with unions on both sides								
High-pressure hose Longlife 400, 30 m DN 8, including rotary coupling	9	6.110-023.0	ID 8	400 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose Longlife 400, 20 m, DN 8, extension	10	6.110-027.0	ID 8	400 bar	20 m		with rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose Longlife 400, 15 m, DN 8, including rotary coupling	11	6.110-029.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose 1.5 m, DN 8, including connectors	12	6.110-024.0	ID 8	400 bar	1.5 m		1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).	□
Longlife 400 high-pressure hose, 1 x EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	13	6.110-069.0	ID 8	400 bar	1.5 m		High-pressure hose (ID 8) with double steel reinforcement, 1.5 m long, suitable for up to 400 bar pressure. Connectors: M 22 x 1.5, quick and convenient EASY!Lock hand screw connection.	□
High-pressure hose 1.5 m, DN 8, including connectors	14	6.390-178.0	ID 8	400 bar	1.5 m		1.5 m high-pressure hose (DN 8, M 22 x 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 x 1.5).	□
High-pressure hose packaged	15	6.110-038.0	ID 8	400 bar	10 m		Durable, 10 m long high-pressure hose (ID 8) with double steel reinforcement and EASY!Lock hand screw connection at both ends and ANTI!Twist. Approved for 400 bar pressure.	□
High-pressure hose Longlife 400, 10 m, DN 8, including rotary coupling	16	6.388-083.0	ID 8	400 bar	10 m		10 m high-pressure hose Longlife 400 (DN 8) with rotary coupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 x 1.5, with kink protection.	□
Food industry version with unions on both sides								
High-pressure hose, 10 m ID 8, suitable for food industry, extension piece	17	6.110-051.0	ID 8	250 bar	10 m		10 m high-pressure hose (DN 8) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. M 22 x 1.5 with anti-kink sleeve.	▲
High-pressure hose, 20 m ID 8, suitable for food industry, extension piece	18	6.110-052.0	ID 8	250 bar	20 m		20 m high-pressure hose (DN 8) with swivel coupling. Non-discolouring outer layer for use in the food industry. Connectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.	▲

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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		Order Number	ID	Max. working pressure	Length		Price	Description	
High-pressure hose 15 m ID 6, AVS trigger gun connector 11 mm, suitable for food industry, grey	19	6.110-063.0	ID 6	250 bar	15 m			15 m high-pressure hose (DN 6) with patented (rotating) AVS trigger gun connector. Non-discolouring outer layer for use in the food industry. DN 6/155°C/250 bar.	<input type="checkbox"/>
Longlife food industry version with unions on both sides									
High pressure hose food DN 8 / 10 m	20	6.110-053.0	ID 8	400 bar	10 m			Longlife HP hose for use in the food industry. Außendecke animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1,5	▲
	21	6.391-864.0	ID 8	400 bar	10 m				<input type="checkbox"/>
High-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun connection	22	6.110-054.0	ID 8	400 bar	20 m			Longlife HP hose for use in the food industry. Außendecke animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)	<input type="checkbox"/>
Standard									
Hose assembly TR rotatable DN8 31,5MPa 2	23	6.110-011.0	ID 8	315 bar	20 m			High-pressure hose with AVS hose reel connection and EASY!Lock hand screw connection.	<input type="checkbox"/>
Longlife 400									
High-pressure hose Longlife 400, 20 m DN 8, AVS trigger gun connector	24	6.110-028.0	ID 8	400 bar	20 m			20 m high-pressure hose Longlife 400 (DN 8) with patented (rotating) AVS trigger gun connector and manual coupling. Two layer high-strength steel wire reinforced.	<input type="checkbox"/>
Longlife food industry version									
Hose assembly TR hygiene DN8 40MPa 20m	25	6.110-075.0	ID 8	400 bar	20 m				<input type="checkbox"/>

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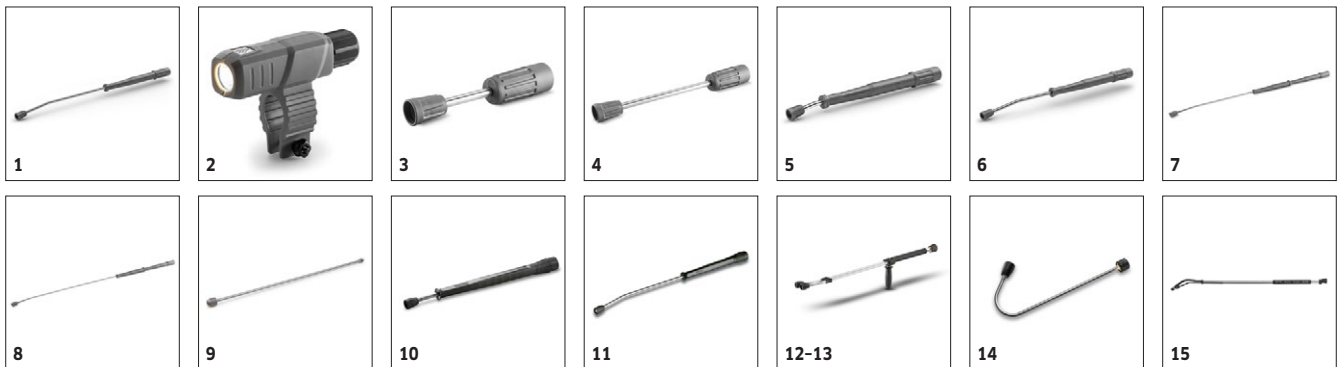
		Order Number	Flow rate				Price	Description	
Trigger guns									
EASY!Force Advanced	1	4.118-005.0						Effortless, not energy-sapping: the EASY!Force high-pressure gun uses the recoil force of the high-pressure jet to reduce the holding force for the operator to zero.	■
Conversion kit 1 from high pressure hose	2	4.111-050.0						A conversion kit which enables secure connection from an M22 hose onto our innovative EASY!Force trigger gun. The kit includes the EASY!Force Trigger gun, adaptors and lance.	□
Conversion kit 2 from device	3	4.111-051.0						Provides all the parts required to utilise our EASY!Force technology even on our non-Easy!Force machines. Including adaptors, lance, Easy!Force trigger gun and hose.	□
Conversion kit 3 only EASY!Force	4	4.111-052.0						A conversion kit for the EASY!Force gun, which includes the correct adaptors to connect to the M22 style lance and hose.	□
Easy Press high-pressure gun with holding power reduction (Kärcher patent)									
Easy press high-pressure trigger gun with softgrip	5	4.775-463.0						Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	□
	6	4.775-466.0						Easy press high-pressure trigger gun with integrated adapter for connecting to high-pressure hoses M 22 x 1.5.	□
Servo Control									
Servo Control controller with EASY!Lock	7	4.118-009.0	1100 l/h					Servo control for water flow and pressure control (> 1100 l/h) on the trigger gun.	□
Servo control	8	4.775-471.0	1100 l/h					Water quantity and pressure regulated directly from the hand spray gun.	□
Quick connect									
Quick coupling	9	6.401-458.0						For quick change of different spray lances and accessories. Optimum adaption to Kärcher accessories, especially for connection between trigger gun and spray lance. With M22 x 1.5 female.	□
Plug nipple	10	6.401-459.0						Hardened stainless steel nipple for quick coupling 6.401-458. With M22 x 1.5 male.	□
Quick-fitting pipe union coupler trapezo	11	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 x 1.5 internal thread.	□
Quick-fitting pipe union plug nipple tra	12	2.115-001.0						Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.	□

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			Order Number	Max. working pressure	Length			Price	Description	
Rotating spray lances										
1050 mm lance, rotatable, ergonomic	1		4.112-000.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Nozzle Light	2		2.680-002.0		125 mm				LED work light for assembly on EASY!Force spray lances, providing a clear view in poor lighting conditions ensuring controlled cleaning results.	□
Lance 250 mm, non-rotatable	3		4.112-027.0	300 bar	250 mm				600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
550 mm lance, non-rotatable	4		4.112-024.0	300 bar	400 mm					□
Rotatable lance, 600 mm, ergonomic	5		4.112-007.0	300 bar	600 mm					□
Lance 850 mm, rotatable, ergonomic	6		4.112-006.0	300 bar	840 mm				850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 1550 mm, rotatable, ergonomic	7		4.112-018.0	300 bar	1550 mm				1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 2050 mm, rotatable, ergonomic	8		4.112-021.0	300 bar	2050 mm				2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Jet pipe extension TR 1000 mm	9		4.112-048.0	300 bar	1000 mm				Spray lance extension with EASY!Lock connection. Length 1000 mm.	□
Rotatable lance, 600 mm, ergonomic	10		4.760-664.0	300 bar	600 mm				600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
1050 mm lance, rotatable, ergonomic	11		4.760-660.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Double lance										
Double lance 960 mm	12		6.394-665.0	310 bar	960 mm				960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use (e.g. stable cleaning).	□
	13		2.112-016.0	310 bar	960 mm					□
Angular spray lance										
WC and gutter lance	14		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	15		4.112-035.0	210 bar	1050 mm				1050 mm flexible lance with variable bend from 20° to 140°, ideal for cleaning difficult to reach areas, e.g. gutters.	□
Articulated joint TR 20	16		4.112-057.0	300 bar					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.	□
Telescopic spray lance										
Telescopic jet pipe	17		4.112-037.0	225 bar	5400 mm				Can be continuously extended from 1.8 to 5.4 m. For cleaning areas that are difficult to reach, such as ceilings or facades. With integrated HD trigger gun, M 22 x 1.5 connection with rotary coupling. Connection for M 18 x 1.5 nozzles.	□
Restraint belt for telescopic jet pipe	18		6.373-987.0						Convenient strap for relief when working with the telescopic spray lance (6.394-690). The burden is optimally distributed on the body and longer periods of use are possible.	□

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		Order Number	Max. working pressure	Length			Price	Description	
Gutter cleaner									
Gutter cleaning lance	19	2.112-015.0		960 mm				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.	<input type="checkbox"/>
Undercarriage spray lance									
Underbody lance	20	4.112-032.0		700 mm				Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	<input type="checkbox"/>
Additional handle									
Additional handle for EASY!Lock spray lances	21	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.	<input type="checkbox"/>

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		Order Number	Max. working pressure	Nozzle size		Price	Description	
Triple nozzles								
Triple jet nozzle only for replacement 1	1	4.767-205.0	300 bar	100				■
	2	4.117-041.0	300 bar	100			Triple nozzle with manual nozzle changeover. Convenient spray adjustment. For high-pressure cleaners with injector; low-pressure fan jet for detergent removal and application. Connector M 18x1.5.	■
Dirt blaster, large								
Dirt blaster - without changeover function	3	4.114-048.0	300 bar	100			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.	□

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		Order Number	Nozzle size				Price	Description	
HP nozzle spray angle 0°									
High-pressure nozzle spray angle °0	1	2.113-039.0	110					Solid jet for very stubborn dirt and stains.	<input type="checkbox"/>
Power nozzle spray angle 15°									
Power nozzle spray angle 15°	2	2.113-052.0	100					Fan jet nozzle for stubborn dirt and stains.	<input type="checkbox"/>
Power nozzle spray angle 25°									
Power nozzle 25° spray angle	3	2.883-408.0	100						<input type="checkbox"/>
Power nozzle 25° - 100	4	2.113-017.0	100					Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	<input type="checkbox"/>

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		Order Number	Max. working pressure	Nozzle size	Diameter		Price	Description	
Pipe cleaning hose, ID 6									
Hose assembly TR pipe cleaning DN6 max.2	1	6.110-046.0	250 bar					The 10 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
Pipe cleaning hose, DN 6, 20 m, 220 bar	2	6.110-008.0	250 bar					20 m flexible high-pressure hose (DN 6) for cleaning pipes up to 220 bar (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 max.2	3	6.110-047.0	250 bar					The 30 m pipe cleaning hose is a highly flexible high pressure hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 14MPa	4	6.110-048.0	140 bar					10 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Pipe cleaning hose	5	6.110-049.0	140 bar					20 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Pipe cleaning hose, DN 6, 30 m	6	6.110-050.0	140 bar					30 m flexible high-pressure hose (DN 6) for cleaning pipes (threaded connection for R 1/8 nozzle).	<input type="checkbox"/>
Pipe cleaning nozzle									
Dirt blaster pipe cleaning D21/090	7	4.765-003.0		90	21 mm			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.	<input type="checkbox"/>
Dirt blaster pipe cleaning D30/090	8	4.765-010.0		90	30 mm				<input type="checkbox"/>
Nozzle pipe cleaning size 100	9	5.763-088.0		100	24 mm			Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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		Order Number	Flow rate	Nozzle size	Diame-ter	Price	Description	
Hard Surface Cleaner FRV 30								
FRV 30	1	2.111-010.0					Surface cleaner with integrated waste water pick-up	<input type="checkbox"/>
Hard surface cleaner FR 30								
FR 30 Surface Cleaner	2	2.111-011.0			300 mm		Up to 10 times greater area coverage compared with the conventional high pressure jet.	<input type="checkbox"/>
Hard surface cleaner FR 30 ME								
FR 30 ME surface cleaner	3	2.111-013.0			300 mm		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.	<input type="checkbox"/>
Hard Surface Cleaner FR 50								
FR 50 surface cleaner	4	2.111-023.0			500 mm		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.	<input type="checkbox"/>
Machine-specific nozzle kit for FR								
Nozzle kit for surface cleaners (type-specific) 1100 - 1300 l/h	5	2.639-188.0	1100-1300 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (1100 to 1300 l/h).	<input type="checkbox"/>
Nozzle pack for hard surface cleaners (machine-specific) 1300 - 1800 l/h	6	2.640-781.0	1300-1800 l/h				Machine-specific nozzle kit Kärcher power nozzle for hard surface cleaners	<input type="checkbox"/>
Machine-specific nozzle kits for FRV								
Nozzle kit 080 - for FRV	7	2.642-982.0		80			Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	<input type="checkbox"/>
Hard surface cleaner FRV 30 Me								
FRV 30 Me Surface Cleaner	8	2.111-012.0					Thanks to automatic suction of the dirty water, the stainless steel FRV 30 Me Surface Cleaner makes surface cleaning more efficient in both inside and outside areas. Hot water cleaning up to 85°C.	<input type="checkbox"/>

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		Order Number	Flow rate				Price	Description		
Cup foam lance										
Cup foam lance Basic 3	1	4.112-055.0	900-2500 l/h					For high-pressure cleaners with a flow rate of 900-2500 l/h: new, robust and very high-quality foam cup lance with outstanding foam quality while consuming half as much cleaning agent.	<input type="checkbox"/>	
Cup foam lance Advanced 025	2	2.112-017.0						Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.	<input type="checkbox"/>	
Inno Foam Set										
Inno foam kit with detergent injector	3	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.	<input type="checkbox"/>	
Easy Foam Set										
Easy Foam Set with RM injector	4	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.	<input type="checkbox"/>	
Easy foam set	5	2.112-011.0							<input type="checkbox"/>	
Nozzle kits for Inno/Easy Foam Set										
Nozzle kit 110 Inno/Easy set 1000 - 1300 l/h	6	2.111-020.0	1000-1300 l/h					Nozzle kit 110 contains Kärcher power nozzles and nozzle inserts. For Inn/Easy-Foam set 1000-1300 l/h. For optimal foam system performance.	<input type="checkbox"/>	
Foam nozzle mounting kit										
Foam nozzle kit	7	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.	<input type="checkbox"/>	

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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		Order Number	Length				Price	Description	
Automatic, self-winding hose reels									
Wall-mounted hose reel	1	2.639-257.0	15 m						<input type="checkbox"/>
Add-on kit hose reel plastics	2	6.392-074.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console is made from powder-coated steel, the drum is made from plastic.	<input type="checkbox"/>
Add-on kit hose reel	3	6.392-083.0	20 m					Automatic hose reel for 20 m high-pressure hose. The console consists of stainless steel, the drum is made from plastic.	<input type="checkbox"/>
Hose reel, automatic, 20 m, painted	4	6.392-106.0	20 m					Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
Hose reel, automatic, basalt grey-coated	5	6.392-105.0	20 m					Automatic hose reels provide the highest level of safety and convenience for winding and unwinding HP hoses.	<input type="checkbox"/>
Hose reel, automatic, 20 m, stainless steel	6	6.392-076.0	20 m					Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.	<input type="checkbox"/>
ABS hose reel stainless steel	7	6.392-122.0	20 m					High-grade, automatic steel hose reel. Especially suitable for use in the food industry. The material and finish provide for a corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
Swivel holder	8	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.	<input type="checkbox"/>
ABS wall fastening stainless steel	9	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.	<input type="checkbox"/>

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		Order Number	Nozzle size				Price	Description	
Wet blasting attachment (without nozzle)									
Wet blasting attachment with flow control (without nozzles)	1	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.	<input type="checkbox"/>
Wet blasting attachment without flow control (nozzles not included)	2	4.115-006.0						Paint, rust and scale removal made easy: Kärcher wet blasting attachment with flow control for adding blasting abrasive to the high-pressure jet. Without flow control.	<input type="checkbox"/>
Nozzle pack for wet blasting attachment									
Nozzle pack TR wet jet set 0100	3	2.112-030.0	100					Consisting of wet jet nozzle and nozzle insert - only for use in combination with wet jet unit 4.115-000.0 4.115-006.0.	<input type="checkbox"/>
Boron carbide nozzle									
Boron carbide nozzle, for machines as of 1000 l/h	4	6.415-083.0	8 mm					In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	<input type="checkbox"/>

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		Order Number					Price	Description		
HP stationary attachment kit										
Pressure relief kit	1	2.209-773.0						"Pressure relief" kit for effective system care.	<input type="checkbox"/>	
Water softener dosing unit	2	2.209-777.0						Kit for avoiding limescale deposits in the system.	<input type="checkbox"/>	
Operating hour counter	3	2.209-778.0						"Operating hour counter" kit for documenting device operating time.	<input type="checkbox"/>	
ABS: Remote control preparation, one cleaning agent, low-pressure application, remote control preparation, high-pressure, one cleaning agent	4	2.209-779.0						"Remote control preparation" kit for one cleaning agent for low-pressure application.	<input type="checkbox"/>	
ABS: Remote control preparation, two cleaning agents, low-pressure application	5	2.209-780.0						"Remote control preparation" kit for two cleaning agents for low-pressure application.	<input type="checkbox"/>	

■ Included in delivery. □ Available accessories. ▲ Extension hose.

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		Order Number		Price	Description	
Geka coupling						
Hose coupling	1	6.388-458.0			with female thread	<input type="checkbox"/>
Backflow check valve						
Backflow preventer	2	2.641-374.0			To prevent detergent getting into the drinking water cycle in case of inlet at low-pressure. - hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakage protection	<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.

HD 13/12-4 ST

1.524-950.2



		Order Number	Flow rate				Price	Description		
Push-on washing brush										
Push-on washing brush	1	4.762-497.0						With clamp for mounting directly to units' double or triple nozzle. Fits on new double and triple nozzles.	<input type="checkbox"/>	
Push-on wash brush, M 18 x 1.5	2	4.113-001.0						Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	<input type="checkbox"/>	
Rotating washing brush										
Rotating wash brush for > 800 l/h machines, nylon bristles	3	4.113-002.0	800-1300 l/h					Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 x 1.5 (replaceable brush insert).	<input type="checkbox"/>	
Rotating wash brush for > 800 l/h machines, natural bristles	4	4.113-005.0	800-1300 l/h						<input type="checkbox"/>	

■ Included in delivery. □ Available accessories. ▲ Extension hose.

HD 13/12-4 ST

1.524-950.2



		Order Number					Price	Description	
Wash bay equipment									
Swivelling boom 360° for high-pressure tool	1	4.058-106.0						Swivelling boom for HP-working hose (360° turning circle). Mounted above the washing bay.	<input type="checkbox"/>
Tokens									
Set of tokens, stamping	2	6.768-169.0						Set of tokens, stamped	<input type="checkbox"/>
Miscellaneous									
Swinging boom 180°, wall-mounted	3	2.637-120.0							<input type="checkbox"/>

■ Included in delivery. □ Available accessories. ▲ Extension hose.