



HD 1.8/13 C Ed

High-quality components like the brass cylinder head guarantee a long service life for the HD 1.8/13 C Ed cold water high-pressure cleaner. Includes clever accessory storage.



















- Save time and effort: EASY!Force high-pressure gun and EASY!Lock quick-release couplings.
- Effortless operation at last: the EASY!Force high-pressure gun.
- EASY!Lock quick-release couplings: durable and robust. And five times faster than screws.

2 Mobility

- Integrated carrying handle on the front of the machine enables easy loading and convenient transport.
- Push handle can be retracted at the push of a button.

3 Flexibility

- Vertical and horizontal operation possible.
- The wheels are not on during horizontal operation. As such, the machine offers maximum stability.

Quality

- The automatic pressure relief protects the components and extends the service life of the machine.
- High-quality brass cylinder head.

TECHNICAL DATA AND EQUIPMENT





HD 1.8/13 C Ed

- Automatic pressure relief
- For horizontal and vertical operation
- Save time and effort: EASY!Force high-pressure gun and EASY!Lock quick-release couplings.

Technical data		
Order No.		1.520-916.0
EAN code		886622014485
Current type	Ph / V / Hz	1 / 120 / 60
Flow rate	l/h	400
Working pressure	bar / MPa	100 / 10
Working pressure	PSI	1300
Max. pressure	bar / MPa	130 / 13
Max. inlet temperature	°C	60
Connection load	kW	1.5
Weight	kg	24.2
Dimensions (L × W × H)	mm	380 × 360 × 930

Equipment		
Spray gun		EASY!Force
High-pressure hose	m	10 / DN 6, 250 bar
Spray lance	mm	840
Triple nozzle (0°/25°/40°)		Manual
ANTI!Twist		-
Pressure cut-off		
Servo Control		-

■ Included in the scope of supply.

















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		Order No.	ID	Max. working pressure	Length	Price	Description	
Standard with unions on both sides								
High-pressure hose 2 x EASY!Lock DN 8, 315 bar, 10 m, ANTI!Twist	1	6.110-031.0	ID 8	315 bar	10 m		High-pressure hose (ID 8) suitable for up to 315 bar pressure. High-pressure hose with innovative EASY!Lock hand screw connection at both ends, ANTI!Twist, 10 m long.	•
High-pressure hose 2 x EASY!Lock DN 8, 315 bar, 15 m, ANTI!Twist	2	6.110-030.0	ID 8	315 bar	15 m		15 m long high-pressure hose, ID 8, with ANTI!Twist at both ends with time-saving EASY!Lock hand screw connection.	A
High-pressure hose 2 x EASY!Lock DN 8, 315 bar, 20 m, ANTI!Twist	3	6.110-032.0	ID 8	315 bar	20 m		High-pressure hose (ID 8), 20 m long, with time-saving and robust EASY!Lock hand screw connection at both ends. For up to 315 bar pressure.	A
High-pressure hose, 2 x EASY!Lock, DN 8, 315 bar, 30 m, ANTI!Twist	4	6.110-014.0	ID 8	315 bar	30 m		Convenient length (30 m) and innovative EASY!Lock hand screw connection: high-pressure hose (ID 8) with ANTI!Twist for up to 315 bar pressure.	•
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 15 m	5	6.110-042.0	ID 10	220 bar	15 m		With innovative EASY!Lock hand screw connection for up to 220 bar pressure: 15 m long high-pressure hose (ID 10).	•
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 20 m	6	6.110-043.0	ID 10	220 bar	20 m		Main features of this high-pressure hose (ID 10): 20 m long with extremely time-saving and convenient EASY!Lock hand screw connection at both ends.	A
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 25 m	7	6.110-044.0	ID 10	220 bar	25 m		Impressive values and basic equipment: high-pressure hose (ID 10), 25 m long, for up to 220 bar pressure.	•
High-pressure hose, 2 x EASY!Lock, DN 10, 220 bar, 40 m	8	6.110-045.0	ID 10	220 bar	40 m		40 m long high-pressure hose with EASY!Lock system for time-saving hand screw connection (at both ends). (ID) 10, up to 220 bar working pressure.	•
High-pressure hose, 2 x EASY!Lock, DN 12, 210 bar, 15 m	9	6.110-059.0	ID 12	210 bar	15 m		Suitable for up to 250 bar working pressure: high-pressure hose (ID 12), 15 m long, with convenient EASY!Lock hand screw connection at both ends.	•
High-pressure hose, 2 x EASY!Lock, 2x EASY!Lock, DN 12, 210 bar, 40 m	10	6.110-060.0	ID 12	210 bar	40 m		With EASY!Lock hand screw connection, 40 m long for wide working radius: high-pressure hose (ID 12) with EASY!Lock hand screw connection at both ends. Suitable for up to 250 bar working pressure.	•
Hose assembly TR DN10 22MPa 10m	11	6.110-041.0	ID 10	220 bar	10 m		Impressive values and basic equipment: high-pressure hose (ID 10), 25 m long, for up to 220 bar pressure.	A
High-pressure hose, 2 x EASY!Lock, DN 6, 250 bar, 10 m	12	6.110-034.0	ID 6	250 bar	10 m		High-pressure hose, 10 m long with EASY!Lock hand screw connection at both ends. ID 6, suitable for up to 250 bar.	
High-pressure hose 2 x EASY!Lock DN 6, 250 bar, 10 m, ANTI!Twist	13	6.110-035.0	ID 6	250 bar	10 m		High-pressure hose with EASY!Lock hand screw connection at both ends (ID 6), 10 m long. Suitable for up to 250 bar pressure with ANTI!Twist.	
High-pressure hose 2 x EASY!Lock DN 6, 300 bar, 10 m, ANTI!Twist	14	6.110-056.0	ID 6	300 bar	10 m		High-pressure hose (ID 6) with ANT!!Twist and new EASY!Lock hand screw connection at both ends. For up to 300 bar pressure. 10 m long.	
Longlife 400 with unions on both s								
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 30 m, ANT!!Twist	15	6.110-023.0	ID 8	400 bar	30 m		Durable high-pressure hose with double steel reinforcement ANT!!Twist and EASY!Lock hand screw connection at both ends. ID 8, 30 m long, for up to 400 bar pressure.	i, ▲
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 20 m, ANT!!Twist	16	6.110-027.0	ID 8	400 bar	20 m		High-pressure hose with ANTI!Twist, EASY!Lock hand screw connections and double steel reinforcement. 20 m long, ID & EASY!Lock hand screw connection at both ends.	3, ▲
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 15 m, ANT!!Twist	17	6.110-029.0	ID 8	400 bar	15 m		The double steel reinforcement ensures a long lifetime of this 15 m long high-pressure hose (ID 8), approved for up to 400 bar pressure hose.	A
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 1.5 m	18	6.110-024.0	ID 8	400 bar	1.5 m		1.5 m short high-pressure hose (ID 8). With convenient EASY!Lock hand screw connection at both ends for robust and fast connections. Durable, for up to 400 bar pressure.	



















		Order No.	ID	Max. working	Length	Price	Description	
Longlife 400 high-pressure hose, 1 x EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	19	6.110-069.0	ID 8	400 bar	1.5 m		High-pressure hose (ID 8) with double steel reinforcement, 30 m long, suitable for up to 400 bar pressure. Connectors: M 22 × 1.5, quick and convenient EASY!Lock hand screw connection.	
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 10 m, ANTI!Twist	20	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 ANT!!Twist. Approved for 400 bar pressure.	
Food industry version with unions of High-pressure hose, food grade, 2	n bot	h sides 6.110-051.0	I ID 8	250 bar	10 m		High-pressure hose (ID 6). 10 m long, with grey, non-mark-	
x EASY!Lock, DN 8, 10 m, ANT!!Twist	21	0.110 001.0		250 54.	10		ing outer covering. Approved for use in the food industry. With quick and robust EASY!Lock hand screw connection at both ends.	
High-pressure hose, food grade, 2 x EASY!Lock, DN 8, 20 m, ANT!!Twist	22	6.110-052.0	ID 8	250 bar	20 m		Suitable for use in food industry: 20 m long high-pressure hose (ID 8) with grey, non-marking outer covering, ANT!!Twist and EASY!Lock hand screw connections.	A
High-pressure hose, food grade, 2 x EASY!Lock, DN 6, 15 m, ANTI!Twist	23	6.110-063.0	ID 6	250 bar	15 m		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.	1 0
Longlife food design with screw con	nectio	ons at both ends						
Longlife 400 high-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, ANTI!Twist	24	6.110-053.0	ID 8	400 bar	10 m		With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANT!!Twist and EASY!Lock hand screw connection at both ends.	•
Longlife 400 high-pressure hose, food grade, 2 x EASY!Lock, DN 8, 20 m, ANT!!Twist	25	6.110-054.0	ID 8	400 bar	20 m		Durable high-pressure hose with double steel reinforcement and blue, non-marking and animal fat resistant outer cover- ing. 20 m long with EASY!Lock hand screw connections.	
Special hoses			1					
High-pressure hose, 1 x curved EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	26	6.110-068.0	ID 8	400 bar	1.5 m		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.	

[■] Included in the scope of supply.

Available accessories.

Extension hose.















		Order No.	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				
Conversion kit 2 from device	3	4.111-051.0				
Conversion kit 3 only EASY!Force	4	4.111-052.0				
Quick connect						
Quick coupling	5	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.
Male coupling	6	2.115-001.0				Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.

[■] Included in the scope of supply.

Available accessories.

Extension hose.































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			Max. working					
		Order No.	pressure	Length		Price	Description	
Rotating spray lances								Ť
Spray lance, 840 mm, rotating	1	4.112-006.0	300 bar	840 mm			850 mm stainless steel lance (manual coupling) with ergo-	Τ
							nomic handle for ease of use and protection. Rotatable 360	1
150 1711		2.500.000.0		105			under pressure.	+
LED nozzle light	2	2.680-002.0		125 mm			Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view ir	
							unfavourable lighting conditions for up to 5 working hours.	1
Spray lance, 250 mm, rotating	3	4.112-027.0	300 bar	250 mm			600 mm stainless steel lance (manual coupling) with ergo-	[
Spray lance, 400 mm, rotatable	4	4.112-024.0	300 bar	400 mm			nomic handle for ease of use and protection. Rotatable 360	° [[
600 mm spray pipe, rotatable	5	4.112-007.0	300 bar	600 mm			under pressure.	
1050 mm spray pipe, rotatable	6	4.112-000.0	300 bar	1050 mm			1050 mm stainless steel lance (manual coupling) with ergo-	
							nomic handle for ease of use and protection. Rotatable 360	. [
1550 mm spray pipe, rotatable	7	4.112-018.0	300 bar	1550 mm	+		under pressure. 1550 mm stainless steel lance (manual coupling) with ergo-	+
1550 mm spray pipe, rotatable	,	4.112 010.0	300 bai	1550 11111			nomic handle for ease of use and protection. Rotatable 360'	, [
							under pressure.	1
2050 mm spray pipe, rotatable	8	4.112-021.0	300 bar	2050 mm			2050 mm stainless steel lance (manual coupling) with ergo-	
							nomic handle for ease of use and protection. Rotatable 360' under pressure.	, I r
EASY!Lock 1000 mm spray lance	9	4.112-048.0	300 bar	1000 mm	+ + + + + + + + + + + + + + + + + + + +		Spray lance extension with EASY!Lock connection. Length	+
extender			300 50.	1000			1000 mm.	
Double lance								
Double lance 960 mm	10	2.112-016.0	310 bar	960 mm			960 mm double lance for variable pressure adjustment on	
							handle at full water flow rate. Suitable for agricultural use (L
Angular spray lance							e.g. stable cleaning).	_
Spray lance for toilets and rain	11	4.112-029.0					Stainless steel lance WC and gutter with nozzle insert. Spe-	Τ
gutters	11	4.112 025.0					cially shaped for effective and hygienic cleaning of gutters	
							and toilets.	\perp
Flexible spray lance		ı	1	ı				
Flexible lance 1050 mm	12	4.112-035.0	210 bar	1050 mm			1050 mm flexible lance with variable bend from 20° to	
TR 20 articulated joint	13	4.112-057.0	300 bar		+		140°, ideal for cleaning difficult to reach areas, e.g. gutters. For hard-to-reach areas: High-pressure articulated joint witl	h
TIX 20 di ticolatea joint	13	4.112 037.0	300 bai				infinite angle adjustment up to 120°. Simply attach directly	
							to the spray lance of the pressure washer.	l
Telescopic spray lance		1		1	, , , , ,			
Telescopic spray lance	14	4.112-037.0	225 bar	5400 mm			Can be continuously extended from 1.8 to 5.4 m. For clean-	
							ing areas that are difficult to reach, such as ceilings or fa- cades. With integrated HD trigger gun, M 22 x 1.5 connec-	
							tion with rotary coupling. Connection for M 18 x 1.5 nozzles	5.
Strap for telescopic spray pipe	15	6.373-987.0					Convenient strap for relief when working with the telescop-	\neg
							ic spray lance (6.394-690). The burden is optimally distrib-	
Cuttou donner							uted on the body and longer periods of use are possible.	l
Gutter cleaning lance	16	2.112-015.0		960 mm			The lance is suited for cleaning of auttor systems. Recourse	
Gutter cleaning lance	16	2.112-015.0		וווווו טסכ			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.	ľ
Undercarriage spray lance								Ţ
Underbody lance	17	4.112-032.0		700 mm			Stainless steel lance for effective and easy underbody and	
							wheel arch cleaning. Without high-pressure nozzle.	Ľ

[■] Included in the scope of supply.

Available accessories.

Extension hose.







		Order No.	Max. working pressure	Length		Price	Description
Additional handle							
Additional handle for EASY!Lock spray lances	18	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.
PowerControl spray lance							
PowerControl spray lance 034	19	4.112-045.0					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.

[■] Included in the scope of supply.

Available accessories.

Extension hose.









		Order No.	Max. working pressure	Nozzle size		Price	Description
Triple nozzles							
Triple nozzle 032	1	4.117-027.0	300 bar	32			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. Connection M 18 x 1.5.
Dirt Blaster, small							
Dirt blaster, small 035	2	4.114-019.0	180 bar	35			The new performance dirt blaster (nozzle size 035) with rotating point jet makes a big difference: up to 50% higher cleaning and area performance than its predecessor.
Dirt blaster, large							
Dirt blaster, large 035	3	4.114-040.0	300 bar	35			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.

[■] Included in the scope of supply. □ Available accessories. ▲ Extension hose.





		Order No.	Nozzle size		Price	Description
HP nozzle spray angle 0°						
High-pressure nozzle 0° - 040	1	2.113-001.0	40			High-pressure nozzle with powerful jet for extremely stubborn dirt.
Power nozzle spray angle 15°						
Power nozzle 15° - 033	2	2.113-002.0	33			Flat jet nozzle for stubborn dirt.
Power nozzle spray angle 25°						
Power nozzle 25° - 033	3	2.113-063.0	33			Fan jet nozzle for large-area coverage and stubborn dirt and stains. $\hfill\Box$
Power nozzle spray angle 40°						
Power nozzle 40° - 040	4	2.113-003.0	40			Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.

[■] Included in the scope of supply. □ Available accessories. ▲ Extension hose.































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		Order No.		Price	Description	
Nozzle union					1	Ť
Nozzle screws	1	4.112-011.0			Nozzle screws with protectors for high-pressure and power	r r
					nozzles	
Cleaning agent injector						
Cleaning agent injector for high	2	4.637-032.0			Detergent injector for independent high and low pressure	[
and low pressure (without nozzles) Cleaning agent injector for high	3	4.637-033.0			dosage. Maximum dosage about 15%. Cleaning agent dosage at high pressure 3 - 5 %	+
pressure (without nozzle)	3	4.037-033.0			Cleaning agent dosage at high pressure 3 - 3 %	
Machine-specific nozzle kit with ord	der no	. 4.637-033.0			<u> </u>	
Nozzle kit HD 500-700 l/h	4	4.769-005.0			For HD 500 - 700 l/h. Consists of nozzle insert + HP power	T,
					nozzle + union	
Nozzle insert with order no. 4.637-	032.0					
Nozzle insert up to 1,100 l/h -	5	4.769-003.0			Nozzle insert for detergent injector 3.637-001 for	_
high pressure					high-pressure detergent application. For high-pressure	
Nozzle insert up to 1,100 l/h - low	6	4.769-001.0			cleaners with a water flow rate up to 1100 l/h. For low pressure with machines up to 1.100 l/h	+
pressure	О	4.769-001.0			For low pressure with inachines up to 1.100 I/II	
Rotary coupling			,	 '		
Rotary coupling	7	4.111-021.0			Reliably prevents twisting of HP hoses. Connection M 22 x	Ī
					1.5 m. Handle protection	┛┖
Coupling		,				
Adapter hose extension 9 TR	8	4.111-037.0			Adapter 9 to connect the new hose with the new hose	
Connector						
Screw socket for surface cleaners	9	4.111-022.0			For attaching high-pressure nozzles and accessory parts to	
and Servo Control controllers					the HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5/1	X L
Y distributor	10	4.111-024.0			M 18 x 1.5. Offers the option to connect two spray units to the machine	
1 distributor	10	4.111 024.0			Installation on the high pressure outlet.	C
Short spray unit	11	4.111-038.0			For attaching high-pressure nozzles and accessory parts to	Т
					HP trigger gun (with nozzle screws). Not compatible with	
					triple nozzles.	
EASY!Lock adapter					Language and the state of	Le
Adapter 1 M22AG-TR22AG	12	4.111-029.0			Adapter 1 to connect the old hose with the new hose	
Adapter 2 M22IG-TR22AG	13	4.111-030.0			Adapter 2 to connect the old device with the new hose and the old gun with the new hose	1 [
Adapter 3 M22IG-TR22AG	14	4.111-031.0			Adapter 3 to connect the old gun with the new spray lance	+
Adapter 5 M2216 TN22/16	17	4.111 031.0			and new servo regulator	
Adapter 4 TR22IG-D11	15	4.111-032.0			Adapter 4 to connect the new gun with the old swivel hose	. [
Adapter 5 TR22IG-M22AG	16	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	17	4.111-034.0			Adapter 6 to connect the new device with the old hose and	1 [
Adaptor 7 M19IC TR20AC	10	4.111-035.0			the old hose with the new gun Adapter 7 to connect the old spray lance with the new	+
Adapter 7 M18IG-TR20AG	18	4.111-035.0			nozzle	
Adapter 8 TR20IG-M18AG	19	4.111-036.0			Adapter 8 to connect the new spray lance with the old	Τ,
					nozzle	
Adapter 12 rotary coupling	20	4.111-046.0			Rotatable adapter for connecting EASY!Force high-pressure	; [
EASY!Lock 22 IG - M22 x 1.8 AG					gun and high-pressure hoses with M 22x1.5 connection	4
Adapter EASY!Lock 22 female -	21	4.111-041.0			EASY!Lock - Standard 3/8" hose. Adapter for connecting	-
3/8" NPT female					EASY!Force trigger gun with standard 3/8" US-style hose connection.	
					connection.	_





	Order No			Drice	Description	
	oraci ito.			11100	Description	
22	4.111-042.0				Adapter for connecting high-pressure hoses with EASY!Lock	
					and 3/8" US-style machine outlet.	Ш
	22	Order No. 22 4.111-042.0			22 4.111-042.0	

[■] Included in the scope of supply.

Available accessories.

Extension hose.

















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		Order No.	Max. working pressure	Nozzle size	Diam- eter	Price	Description	
Pipe cleaning hose, ID 6								
Pipe cleaning hose, ID 6, 10 m, max. 250 bar	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).	
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	2	6.110-008.0	250 bar				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	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).	
Pipe cleaning hose, ID 6, 10 m, max. 140 bar	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).	
Pipe cleaning hose, ID 6, 20 m, max. 140 bar	5	6.110-049.0	140 bar				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	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).	
Pipe cleaning nozzle								
Pipe cleaning dirt blaster D21/040	7	4.765-001.0		40	21 mm			
Pipe cleaning dirt blaster D30/040	8	4.765-004.0		40	30 mm		stubborn dirt. The three backwards-tilted jets ensure the necessary forward movement, as well as convenient handling.	
Pipe cleaning nozzle	9	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet [
	10	5.763-020.0		65	16 mm		directions for environmentally-friendly cleaning of blocked drains and pipes.	
	11	5.763-017.0		50	30 mm		Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 x 30° backwards, diameter 30 mm.)	
Rotating pipe cleaning nozzle	12	6.415-428.0		50	16 mm		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.	

[■] Included in the scope of supply.

Available accessories.

Extension hose.













		Order No.	Flow rate	Nozzle size	Diam- eter	Price	Description
FR Classic surface cleaner				•			
FR Classic surface cleaner	1	2.111-016.0			300 mm		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.
Hard surface cleaner FR 30							
FR 30 Surface Cleaner	2	2.111-011.0			300 mm		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.
FR 30 Me surface cleaner							
Hard Surface Cleaner FR 30 Me	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.
Machine-specific nozzle kits for FR	1						
Nozzle kit for surface cleaners	4	2.640-482.0	450-500 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (450 to 500 l/h).
Machine-specific nozzle kits for FR	Classi	c					
Nozzle kit for FR Classic 034	5	2.885-313.0		34			Nozzle kit specifically for FR Classic surface cleaner.

 $[\]blacksquare$ Included in the scope of supply. $\hfill \square$ Available accessories. $\hfill \triangle$ Extension hose.

















		Order No.	Flow rate			Price	Description
Cup foam lance			•	'			
Cup foam lance Basic 1	1	4.112-053.0	350-600 l/h				For high-pressure cleaners with a flow rate of 350-600 l/h: new, robust and very high-quality Basic 1 cup foam lance with outstanding foam quality while consuming half as much cleaning agent.
Cup foam lance Advanced 042	2	2.112-018.0					Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.
1-litre cleaning agent container for advanced foam lance	3	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).
Inno Foam Kit			·				
Inno Foam Set with detergent injector	4	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	5	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.
Nozzle kits for Inno/Easy Foam Set							
Nozzle kit 055 for Inno / Easy Set 500-600 l/h	6	2.111-009.0	500-600 l/h				Optimal adaptation to different machine outputs for economic use.
Foam nozzle mounting kit		1					
Foam nozzle attachment 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.

[■] Included in the scope of supply.

Available accessories.

Extension hose.



















		Order No.	Length			Price	Description
Automatic, self-winding hose reels	for wa	II mounting	·	,			
Automatic hose reel, powder-coated steel / plastic	1	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.
Automatic stainless steel / syn- thetic material hose drum	2	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.
Automatic hose reel, coated	3	6.392-106.0	20 m				Automatic hose reel of durable plastic. Painted steel bracket. Suitable for 20 m high-pressure hose.
Hose reel, automatic, basalt grey-coated	4	6.392-105.0	20 m				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	5	6.392-076.0	20 m				Automatic stainless steel hose reel. With swivel holder. Suitable for 20 m high-pressure hose.
Automatic stainless steel hose reel	6	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 corrossion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.
	7	6.392-442.0	40 m				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).
Powder-coated 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.
Stainless steel swivel holder	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.

[■] Included in the scope of supply.

Available accessories.

Extension hose.









		Order No.	Nozzle size		Price	Description	
Wet blasting attachment (without n	ozzle)						
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.	
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.	
Nozzle kits for wet jet unit							
Nozzle kit for wet jet unit 035	3	2.112-021.0	35			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.	
Boron carbide nozzle							
Boron carbide nozzle, for ma- chines up to 1,000 l/h	4	6.415-084.0	6 mm			In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation.	

[■] Included in the scope of supply. □ Available accessories. ▲ Extension hose.



















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		Order No.	Length	Diameter		Price	Description	
Geka coupling				<u>'</u>				
Geka connector with hose barb, R 1/2"	1	6.388-461.0					with hose liner	
Geka connector with hose barb, R 3/4"	2	6.388-455.0						
Geka connector with hose barb, R 1"	3	6.388-465.0					with hose barb	
Geka connector with inner thread, R 3/4"	4	6.388-473.0					with female thread	
Suction filter								
Water suction filter	5	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	6	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	
Water fine filter								
Water fine filter, with adapter	7	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 supply hose								
Water supply hose	8	4.440-038.0	7.5 m				NW 13 R1" / R 3/4", up to 30 °C	
	9	4.440-207.0	7.5 m				NW 19 R1" / R 3/4", up to 85 °C, for pick-up	
Backflow check valve			1	1				
Backflow preventer	10	2.641-374.0					To prevent detergent getting into the drinking water cycle is case of inlet at low-pressure hot water resistant up to 80 °C - tested according to IEC 60335-2-79 - integrated leakage protection	l_{\Box}

lacktriangle Included in the scope of supply. \Box Available accessories. lacktriangle Extension hose.











		Order No.	Flow rate		Price	Description
Push-on washing brush						
Push-on wash brush	1	4.762-497.0				The wash brush is fitted directly onto the devices' new dual and triple nozzles using clamping.
	2	4.113-001.0				For general-purpose cleaning of all surfaces. Clamps directly onto the spray lance. Connection M 18 x 1.5
Rotating washing brush						
Rotating wash brush for < 800 l/h machines, nylon bristles	3	4.113-004.0	500-800 l/h			The rotating wash brush gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 60°C. (M 18 x 1.5, replaceable brush insert).
Rotating wash brush for < 800 l/h machines, natural bristles	4	4.113-003.0	500-800 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).

[■] Included in the scope of supply.

Available accessories.

Extension hose.