



HD 10/15-4 Cage Food

The HD 10/15-4 Cage Food high-pressure cleaner with 150 bar working pressure. All parts coming into contact with water are food safe. This makes it suitable for commercial use in the food industry.

















- 1 Complies with the most rigorous hygiene requirements
- Non-corrosive stainless steel.
- All parts that come into contact with water are made from special food-grade brass.
- 2 Particularly effective cleaning
- Advance pressure pump for inlet temperature of up to 85°C.
- Approved for RM 734 chlorinated cleaning agent.

3 Hygiene requirements

- Non-marking and easy to manoeuvre.
- Food-grade, non-marking pressure hose.
- 4 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.

TECHNICAL DATA AND EQUIPMENT





HD 10/15-4 Cage Food

- Grease-resistant high-pressure hose
- 2 cleaning agent tanks with rinse function
- High-pressure hose in food-industry qualitiy, grey non-marking wheels

Technical data		
Order no.		1.353-908.0
EAN code		4054278157924
Current type	Ph / V / Hz	3 / 400 / 50
Flow rate	l/h	440-990
Working pressure	bar / MPa	20-145 / 2-14.5
Working pressure	PSI	290290 / 2100
Max. pressure	bar / MPa	175 / 17.5
Max. inlet temperature	°C	85
Connection load	kW	6.4
Weight	kg	78.4
Dimensions (L × W × H)	mm	650 × 521 × 1100

Equipment		
Spray gun		EASY!Force Food
High-pressure hose	m	10 / Food design / DN 8, 400 bar
Spray lance	mm	1050
Power nozzle		
ANTI!Twist		
Pressure cut-off		1
Enclosed tubular frame constructivith integrated crane attachment		•
Servo Control		•

■ Included in the scope of supply.

















		Order no.	ID	Max. working pressure	Length	Price	Description
Food industry version with unions of	n bot	h sides		<u> </u>		'	
High-pressure hose, food grade, 2 x EASY!Lock, DN 8, 10 m, AN- TI!Twist	1	6.110-051.0	ID 8	250 bar	10 m		High-pressure hose (ID 6), 10 m long, with grey, non-marking 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, AN-T!!Twist	2	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, AN-TI!Twist and EASY!Lock hand screw connections.
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	3	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, AN-TI!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, ANTI!Twist	4	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.
Longlife 400 with unions on both sid	des						
Longlife 400 high-pressure hose, 2 x EASY!Lock, DN 8, 400 bar, 1.5 m	5	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.
Longlife 400 high-pressure hose, 1 x EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	6	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.
Special hoses							
High-pressure hose, 1 x curved EASY!Lock, 1 x M22 x 1.5, DN 8, 400 bar, 1.5 m	7	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 Food	1	4.118-015.0				Perfect for the food industry: the EASY!Force high-pressure gun with full ceramic valve enables fatigueless working due to virtually zero holding force for the operator.
EASY!Force conversion kit 1 - from high-pressure hose	2	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.
EASY!Force conversion kit 2 - from machine	3	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	4	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.
Servo control						
Servo Control controller with EASY!Lock, Food	5	4.118-016.0	750-1100 l/h			Water flow and pressure control on the trigger gun. Food- grade, parts in contact with water are stainless steel.
Quick connect						
Quick coupling	6	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	7	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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[■] Included in the scope of supply.

Available accessories.

Extension hose.





		Order no.	Max. working pressure	Length		Price	Description
Additional handle			1				,
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.

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





		Order no.	Nozzle size		Price	Description
Power nozzle spray angle 25°						
Power nozzle 25° - 062	1	2.113-012.0	62			Fan jet nozzle for large-area coverage and stubborn dirt and stains.
Power nozzle spray angle 15°						
Power nozzle 15° - 070	2	2.113-049.0	70			Fan jet nozzle with 15° spray angle suitable for stubborn dirt. $\hfill\Box$

[■] Included in the scope of supply.

Available accessories.

Extension hose.





			Max. working					
		Order no.	pressure	Nozzle size		Price	Description	
Dirt blaster, large								
Dirt blaster, large 070/080	1	4.114-030.0	300 bar	70			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.































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		Order no.			Price	Description	
Nozzle union			Ţ,				
Nozzle screws	1	4.112-011.0				Nozzle screws with protectors for high-pressure and power nozzles	r 🗖
Cleaning agent injector							
Cleaning agent injector for high and low pressure (without nozzles)		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)	3	4.637-033.0				Cleaning agent dosage at high pressure 3 - 5 %	
Machine-specific nozzle kit with or	der no	. 4.637-033.0					
Nozzle kit 750-1000 l/h	4	4.769-011.0				For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union	
Nozzle insert with order no. 4.637-	032.0						
Nozzle insert up to 1,100 l/h - high pressure	5	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	6	4.769-001.0				For low pressure with machines up to 1.100 l/h	
Rotary coupling							
Rotary coupling	7	4.111-021.0				Reliably prevents twisting of HP hoses. Connection M 22 x 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		1					
Screw socket for surface cleaners and Servo Control controllers	9	4.111-022.0				For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 x M 22 x 1.5/1 M 18 x 1.5.	
Y distributor	10	4.111-024.0				Offers the option to connect two spray units to the machine Installation on the high pressure outlet.	е. 🗆
Short spray unit	11	4.111-038.0				For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.	
EASY!Lock adapter						triple nozzles.	_
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 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 the old hose with the new gun	j 🗆
Adapter 7 M18IG-TR20AG	18	4.111-035.0				Adapter 7 to connect the old spray lance with the new nozzle	
Adapter 8 TR20IG-M18AG	19	4.111-036.0				Adapter 8 to connect the new spray lance with the old nozzle	
Adapter 12 rotary coupling EASY!Lock 22 IG - M22 x 1.8 AG	20	4.111-046.0				Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection	2 0

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









		Order no.	Max. working pressure	Nozzle size	Diame- ter	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 nozzle							
Pipe cleaning nozzle	4	5.763-019.0		65	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.
Rotating pipe cleaning nozzle	5	6.415-440.0		65	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.

[■] Included in the scope of supply.

Available accessories.

Extension hose.























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		Order no.	Flow rate	Nozzle size	Diame- ter	F	Price	Description	
Hard Surface Cleaner FRV 30								-	\perp
Rubber lip for FRV 30	1	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.	
Extension hose 5 m	2	4.440-939.0						5m extension hose for FRV 30. Connection sleeve included.	_
Hose fastening attachment kit	3	2.642-528.0						Suction cup for fixing the suction hose to smooth surfaces.	
Dirt trap attachment kit	4	2.642-532.0						Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.	
FRV 30 Surface Cleaner	5	2.111-010.0						With the integrated, automatic suction of the dirty water, the FRV 30 makes surface cleaning even more efficient and can be used in both inside and outside areas. There is no longer a need to rinse the surface after cleaning, since the dirty water can be discharged through the 5 m suction hose supplied. Additional quality features are the non-marking steering rollers and double ceramic bearing. Machine-specific nozzle kit must be ordered separately. Max. 250 bar / 1000 l/h / 60°C.	è 🗆
FR 30 Me surface cleaner				1					
Hard Surface Cleaner FR 30 Me	6	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.	
Hard Surface Cleaner FR 50									
Surface Cleaner FR 50 Me	7	2.111-023.0			500 mm			Hot water resistant stainless steel surface cleaner with 500 mm working width. Ideal for large areas.With double ceram ic bearings, push handle, non-marking swivel castors and detergent dosing system.	
Machine-specific nozzle kits for FF	₹.	1	_	,					
Nozzle kit for surface cleaners	8	2.640-442.0	850-1100 l/h					Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).	
Machine-specific nozzle kits for FF	RV								
Nozzle kit 080 - for FRV	9	2.642-982.0		80				Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.	
FRV 30 Me surface cleaner									
Extension hose FRV 30 Me and FRV 50 Me	10	4.441-040.0						5 m extension hose for FRV 30 Me. Includes connecting adapter.	
FRV 30 Me Surface Cleaner	11	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.	s \square
Surface Cleaner FR 50 Me								**************************************	
FRV 50 Me surface cleaner	12	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	

[■] Included in the scope of supply.

Available accessories.

Extension hose.

















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		Order no.	Flow rate		Price	Description	
Cup foam lance							
Cup foam lance Basic 3	1	4.112-055.0	900-2500 l/h			High-quality, simple and durable: Basic 3 cup foam lance for high-pressure cleaners with a flow rate of 900-2500 l/h. Halves the cleaning agent consumption while maintaining optimum foam quality.	
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.	
1-litre cleaning agent container for foam lance	3	6.414-954.0				Additional 1-litre cleaning agent container for quick replacement of the cleaning agent (for foam lance 6.394-668)	
1-litre cleaning agent container for advanced foam lance	4	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	5	2.112-008.0				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	6	2.112-011.0				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 090 for Inno / Easy Set 700-1,000 l/h	7	2.111-019.0	700-1000 l/h			Nozzle kit contains Kärcher power nozzles and nozzle in- serts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	
Foam nozzle mounting kit							
Foam nozzle attachment kit	8	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	all mounting		<u>'</u>			
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 blast- ing attachment with flow control for adding blasting abra- sive 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: Karcher wet blast- ing attachment with flow control for adding blasting abra- sive to the high-pressure jet. Without flow control.	
Nozzle kits for wet jet unit								
Nozzle kit for wet jet unit 065	3	2.112-026.0	65				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.	
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.













		Order no.			Price	De- scrip- tion	
Geka coupling		I.	I.				
Geka connector with hose barb, R 3/4"	1	6.388-455.0				with hose liner	
Geka connector with internal thread, R 1"	2	6.388-458.0				with female thread	
Suction filter							
Water suction filter	3	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	4	4.730-012.0				Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	
Backflow check valve Backflow preventer	5	2.641-374.0		Eytensian hase		To prevent detergent getting into the drinking water cycle in case of inlet at	





Other HP Accessories		Order no.		Price	De- scrip- tion	
Coin remote control	6	2.644-029.0			Coin remote control with electronic coin acceptor for connecting a	









		Order no.	Flow rate		Price	Description
Push-on washing brush						
Push-on wash brush	1	4.113-001.0				For general-purpose cleaning of all surfaces. Clamps directly onto the spray lance. Connection M 18 x 1.5 $\hfill\Box$
Rotating washing brush						
Rotating wash brush for > 800 l/h machines, nylon bristles	2	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
Rotating wash brush for > 800 l/h machines, natural bristles	3	4.113-005.0	800-1300 l/h			60°C, M 18 x 1.5 (replaceable brush insert). $\hfill\Box$

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