



### HD 10/15-4 Cage Food

Cold-water pressure washer designed for use in the food industry.







#### 1 Complies with the most rigorous hygiene requirements

- Non-corrosive stainless steel.
- All parts in contact with water are made from special food-grade brass.

#### 2 Particularly effective cleaning

- Booster pump for feed temperature of up to 85°C.
- Approved for RM 734 chlorinated cleaning agent.

#### 3 Hygiene requirements

Food-grade, non-marking high-pressure hose.

### 4 Save energy and time: EASY!Force high-pressure guns and EASY!Lock quick-release locks.

- At last work without getting tired: the EASY!Force high-pressure gun.
- EASY!Lock quick-release locks: durable and robust. And five times faster than screws.

### **TECHNICAL DATA AND EQUIPMENT.**

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#### HD 10/15-4 Cage Food

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

Technical data		
Order Number		1.353-908.0
EAN code		4054278157924
Current type	Ph / V / Hz	3 / 400 / 50
Flow rate	l/h	440-990
Operating pressure	bar / MPa	20-145 / 2-14,5
Operating pressure	PSI	290290 / 2100
Max. pressure	bar / MPa	175 / 17,5
Max. water feed temperature	°C	85
Power rating	kW	6,4
Weight	kg	78,4
Dimensions (L x W x H)	mm	650 × 521 × 1100
Equipment		
High-pressure hose	m	10 / Food industry version / DN 8,400 bar
Spray lance	mm	1050
Power nozzle		8
ANTI!Twist		8
Pressure switch control		1
Enclosed tubular frame with attach- ment point for handling by crane		•
Servo Control		1
Included in delivery.		



		Order Number	ID	Max. working pressure	Length	Pri	e Description
Food industry version with unions	on bot	h sides			II		
High-pressure hose, 10 m ID 8, suitable for food industry, extensi- on piece	1	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, extensi- on piece	2	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. Con- nectors at both ends, M 22 x 1.5, with kink protection. NW 8/155°C/250 bar.
Longlife food industry version with	unior	s on both sides					
High pressure hose food DN 8 / 10 m	3	6.110-053.0	ID 8	400 bar	10 m		Longlife HP hose for use in the food industry. Außende- cke## animal-grease-resistant, non-colour-bleeding materi- al. With rotary coupling, 2 x M 22 x 1,5
Hlgh-pressure hose Longlife 400, 15 m, ID 6, AVS trigger gun con- nection	4	6.110-054.0	ID 8	400 bar	20 m		Longlife HP hose for use in the food industry. Außende- cke## animal-grease-resistant, non-colour-bleeding materi- al. With patented AVS connection in the pistol (pivot moun- ted)
Longlife 400 with unions on both si	des				· · · · · ·		
High-pressure hose 1.5 m, DN 8, including connectors	5	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 pro- tection 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	6	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 × 1.5, quick and convenient EASY!Lock hand screw connection.

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		Order Number	Flow rate		Price	Description
Trigger guns						
Hand trigger gun only for replace- ment	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.
Conversion kit 1 from high pressu- re 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 conncect to the M22 style lance and hose.
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-fitting pipe union coupler trapezo	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.
Quick-fitting pipe union plug nipp- le tra	7	2.115-001.0				Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 x 1.5 external thread.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
		Max. working				

		Order Number	Max. working pressure	Length	Price	Description	I
Rotating spray lances		1	1	11	1		
1050 mm lance, rotatable, ergono- mic	1	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° 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 ergono-	
550 mm lance, non-rotatable	4		300 bar	400 mm		mic handle for ease of use and protection. Rotatable 360°	
Rotatable lance, 600 mm, ergono- mic	5	4.112-007.0	300 bar	600 mm		under pressure.	
Lance 850 mm, rotatable, ergono- mic	6	4.112-006.0	300 bar	840 mm		850 mm stainless steel lance (manual coupling) with ergono- mic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 1550 mm, rotatable, ergo- nomic	7	4.112-018.0	300 bar	1550 mm		1550 mm stainless steel lance (manual coupling) with ergo- nomic handle for ease of use and protection. Rotatable 360° under pressure.	
Lance 2050 mm, rotatable, ergo- nomic	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.	
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.	
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 ( e.g. stable cleaning).	
Angular spray lance							
WC and gutter lance	11	4.112-029.0				Stainless steel lance WC and gutter with nozzle insert. Spe- cially shaped for effective and hygienic cleaning of gutters and toilets.	
Flexible spray lance							
Flexible lance 1050 mm	12	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	13	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	14	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 connec- tion with rotary coupling. Connection for M 18 x 1.5 nozzles.	
Restraint belt for telescopic jet pipe	15	6.373-987.0				Convenient strap for relief when working with the telesco- pic spray lance (6.394-690). The burden is optimally distri- buted on the body and longer periods of use are possible.	
Gutter cleaner				·			
Gutter cleaning lance	16	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.	
Undercarriage spray lance		1	1		1	1	
Underbody lance	17	4.112-032.0 e accessories.	▲ Extension h	700 mm		Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	



		Order Number	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.

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill A$  Extension hose.



		Order Number	Nozzle size			Price	Description
Power nozzle spray angle 25°							
	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 spray angle $15^{\circ}$	2	2.113-049.0	70				Fan jet nozzle with 15° spray angle suitable for stubborn $$\square$$ dirt.
■ Included in delivery. □ Av	ailable	e accessories.	▲ Extension ho	ose.			



		Order Number	Max. working pressure	Nozzle size		Price	Description	
Dirt blaster, large					 		1	
Dirt blaster - without changeover function	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.	

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill A$  Extension hose.

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		Order Number		Price	Description	
Nozzle union Nozzle screws	1	4.112-011.0			Nozzle screws with protectors for high-pressure and power	0
HP detergent injector					nozzles	
Detergent injector for high and	2	4.637-032.0			Detergent injector for independent high and low pressure	
low pressure (without nozzles) Detergent injector for high pressu-	3	4.637-033.0			dosage. Maximum dosage about 15%. Cleaning agent dosage at high pressure 3 - 5 %	
re Machine-specific nozzle kit with or	der no	). 3.637-170				
Nozzle insert trapezoidal thread HDS-GER	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. 3.637-	001					
Nozzle insert for Order No. 3.637- 001, high-pressure for machines up to 1100 l/h.	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.	
Low pressure for units rated up to 1100 l/h	6	4.769-001.0			For low pressure with machines up to 1.100 l/h	
Rotary coupling					1	
Rotary coupling	7	4.111-021.0			Kärcher rotary coupling prevents twisting and kinking of high-pressure hoses for ease of use. Connector M 22 x 1.5 m. With grip protection.	
Coupling		4.111-037.0		1	Brass double connector for connecting and extending high-	
Coupler -2xM22x1,5	8	4.111-037.0			pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	
Connector Nozzle connector/screw connector	9	4 111-022 0			Nozzle connector/screw connector for connecting high-	
					pressure nozzles and accessories to the high-pressure trig- ger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.	
Y distributor	10	4.111-024.0			Offers the option to connect two spray units to the machine.	П
Short spray unit	11	4.111-038.0			Installation on the high pressure outlet. For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with	
Adapter EASY!Lock					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	
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 M22 - Swivel	15	4.111-032.0			M22 x 1,5female and swivel connection. For extension of high-pressure hoses with AVS connection or for usage of the telescopic lance with a high-pressure hose with AVS connec- tion.	
Adapter 5 TR22IG-M22AG	16	4.111-033.0			Adapter 5 to connect the new gun with the old spray lance	
Adapter 6 TR22IG-M22AG	17	4.111-034.0			and new servo regulator with the old spray lanceAdapter 6 to connect the new device with the old hose and	
Adapter 7 M18IG-TR20AG	18	4.111-035.0			the old hose with the new gun 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	
■ Included in delivery. □ Av	ailabl	e accessories. ▲ Extension h			nozzle	



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		Order Number				Price	Description	
ADAPTER for replacement TR22IG-	20	4.111-046.0					Rotatable adapter for connecting EASY!Force high-pressure	
M22AG Er							gun and high-pressure hoses with M 22x1.5 connection	
Included in delivery	ailabl	o accorcorior	A Extension b	200				

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill \blacktriangle$  Extension hose.



			Max. working		Diame-			
		Order Number	-	Nozzle size	ter	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 pressu- re hose for pipe interior cleaning (threaded connection for nozzle R 1/8).	
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).	
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 pressu- re 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 blo- cked drains and pipes.	

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 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill\blacksquare$  Extension hose

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		Order Number	Flow rate			Price	Description
Cup foam lance			<u> </u>	<u> </u>			
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.
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 replace- ment of the cleaning agent (for foam lance 6.394-668)
Tank grey only for replacement 1L	4	6.414-050.0					Additional 1-litre cleaning agent container for quick replace- ment of the cleaning agent (for foam lance 2.112-017.0 and 2.112-018.0).
Inno Foam Set							
Inno foam kit	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 Inno/Easy kit 700 - 1000 I/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 kit	8	2.112-013.0					Foaming agent kit. The foam nozzle is ideal for use in sani- tary areas and the food industry and wherever long applica- tion times are necessary.

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		Order Number	Nozzle size		Price	Description
Wet blasting attachment (without n	ozzle)				 1	
Wet blasting attachment with flow control (without nozzles)	1	4.115-000.0				Paint, rust and scale removal made easy: Kärcher wet blas- ting attachment with flow control for adding blasting abrasi- ve 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 blas- ting attachment with flow control for adding blasting abrasi- ve to the high-pressure jet. Without flow control.
Nozzle pack for wet blasting attach	ment					
Nozzle pack TR wet jet set 0065	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 machi- nes as of 1000 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.

 $\blacksquare$  Included in delivery.  $\hfill\square$  Available accessories.  $\hfill \blacktriangle$  Extension hose.

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		Order Number	Length	Diameter		Price	Description	
Geka coupling							1	_
With hose nozzle, R 3/4"	1	6.388-455.0					with hose liner	
Hose coupling	2	6.388-458.0					with female thread	
Suction filter					-			
Water 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					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	
Other HP Accessories								
Add-on kit coin acceptor	6	2.644-029.0					Coin remote control with electronic coin acceptor for con- necting a high-pressure cleaner as a pre-wash device. Please have the power outlet and cable provided on site.	2



		Order Number	Flow rate			Price	Description	
Push-on washing brush								
Push-on wash brush, M 18 x 1.5	1	4.113-001.0					Push-on wash brush for universal use. Simply push on to lance. Connector: M 18 x 1.6.	
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).	
■ Included in delivery. □ Av	ailable	e accessories.	▲ Extension h	ose.				