



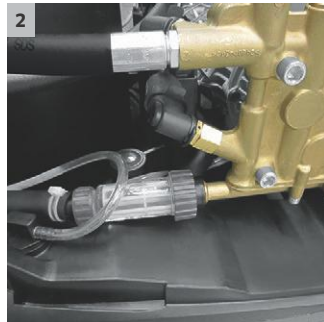
## HDS 7/12-4 M EASY!

The HDS 7/12-4 M EASY!Force from Kärcher with electric motor, two cleaning agent tanks and service electronics is the ideal entry-level machine in the Middle class of hot water high-pressure cleaners.



### 1 Economical

- In the Eco mode, the unit operates in the most economical temperature range (60°C) with full water flow.
- Burner cycles are optimised to reduce fuel consumption by up to 20% compared to full-load operation.



### 2 Operational reliability

- The large, integrated fine-mesh water filter reliably protects the high-pressure pump against the ingress of dirt particles.
- An integrated exhaust gas thermostat switches off the drive motor if the exhaust gas temperature exceeds 300°C.



### 3 Storage

- Storage hooks for power cord and high-pressure hose.



### 4 Mobility concept

- "Jogger" design with large rubber-tyred wheels and swivel castors.
- Integrated tilting aid for effortlessly negotiating obstacles such as steps and kerbs.



## HDS 7/12-4 M EASY!

■ Economical ecoefficiency mode

### Technical data

Order No.	1.077-903.0	
EAN code	4054278140056	
Type of current	Ph / V / Hz	1 / 240 / 50
Flow rate	l/h	350-700
Pressure	bar / MPa	30-120 / 3-12
Max. temperature	°C	80 / 155
Power rating	kW	3,4
Fuel oil consumption, full load	kg/h	4,6
Fuel tank	l	25
Weight	kg	155,5
Dimensions (L x W x H)	mm	1330 x 750 x 1060

### Equipment

Trigger gun	EASY!Force Advanced		Dry-running protection	■
High-pressure hose	m	20 / Longlife		
Spray lance	mm	1050		
Power nozzle		■		
Servo Control		-		
ANTI!Twist		-		
Cleaning agent, scale inhibitor and fuel tanks can be filled from outside		■		
Control panel with LED display		■		
Pressure cut-off		-		
Electronic service control with LED display		■		
Two detergent tanks		■		

■ Included in delivery.

# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

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		Order No.	ID	Max. working pressure	Length	Price	Description	
<b>Standard with unions on both sides</b>								
High-pressure hose, 10 m DN 8, AVS trigger gun connector	1	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, 15 m DN 8, AVS trigger gun connector	2	6.110-030.0	ID 8	315 bar	15 m		15 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	3	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.	▲
High-pressure hose, 30 m DN 8, including rotary coupling	4	6.110-014.0	ID 8	315 bar	30 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose, 15 m DN 10, 220 bar, extension	5	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	6	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	7	6.110-044.0	ID 10	220 bar	25 m			▲
Hose assembly premium DN10 22MPa 40m	8	6.110-045.0	ID 10	220 bar	40 m			▲
Hose assembly premium DN12 21MPa 15m	9	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	10	6.110-060.0	ID 12	210 bar	40 m			▲
<b>Longlife 400 with unions on both sides</b>								
High-pressure hose Longlife 400, 30 m ID 8, including rotary coupling	11	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 2x EASY!Lock, ID 8, 400 bar, 20 m, ANTI!Twist	12	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 8, EASY!Lock hand screw connection at both ends.	▲
High-pressure hose Longlife 400, 15 m, ID 8, including rotary coupling	13	6.110-029.0	ID 8	400 bar	15 m		With rotary coupling, 2 x M 22 x 1.5	▲
High-pressure hose packaged	14	6.110-038.0	ID 8	400 bar	10 m			■
High-pressure hose 1.5 m, ID 8, including connectors	15	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).	□
<b>Food industry version with unions on both sides</b>								
High-pressure hose, 10 m ID 8, suitable for food industry, extension piece	16	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	17	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.	▲
<b>Longlife food industry version with unions on both sides</b>								
High pressure hose food ID 8 / 10 m	18	6.110-053.0	ID 8	400 bar	10 m		Longlife HP hose for use in the food industry. Außen-decke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 x M 22 x 1.5	▲

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

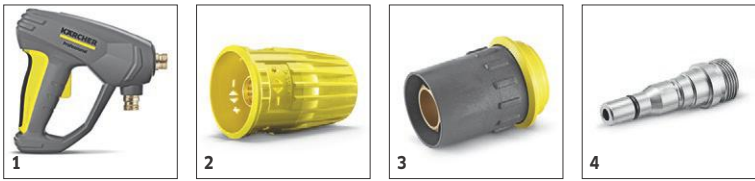
# ACCESSORIES FOR HDS 7/12-4 M EASY! 1.077-903.0



		Order No.	ID	Max. working pressure	Length		Price	Description	
Special hoses									
High-pressure hose 1.5 m, ID 8, including connectors, outlet bend	19	6.110-068.0	ID 8	400 bar	1,5 m				<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY! 1.077-903.0



		Order No.	Flow rate				Price	Description	
<b>Trigger guns</b>									
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.	■
<b>Servo Control</b>									
Servo control	2	4.118-008.0	750-1100 l/h						□
<b>Quick connect</b>									
Quick-fitting pipe union coupler trapezo	3	2.115-000.0							□
Quick-fitting pipe union plug nipple tra	4	2.115-001.0							□

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

# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

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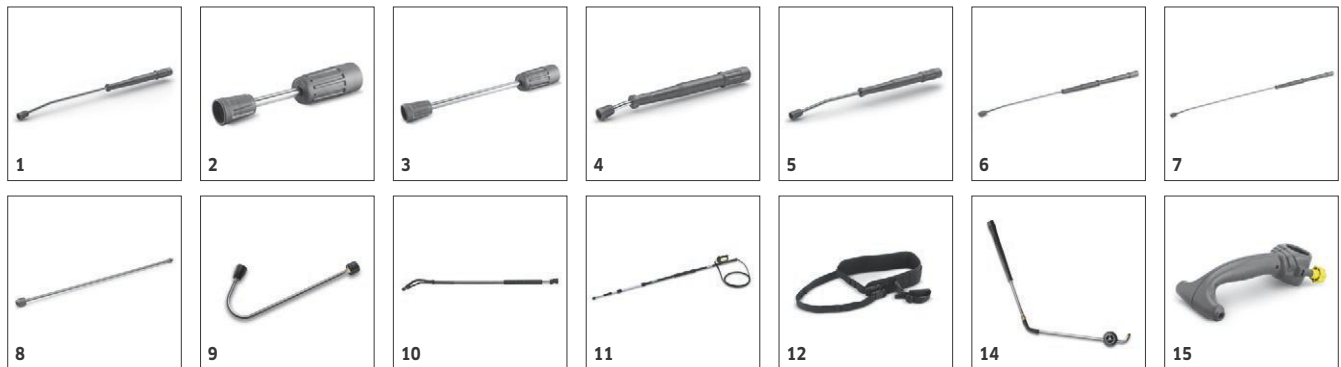
		Order No.	Nozzle size				Price	Description	
<b>Power nozzle spray angle 25°</b>									
Power nozzle spray angle 25°	1	2.113-009.0	47					Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains.	■
<b>HP nozzle spray angle 0°</b>									
High-pressure nozzle spray angle 0°	2	2.113-034.0	50					High-pressure nozzle with powerful jet for extremely stubborn dirt.	□
<b>Power nozzle spray angle 15°</b>									
Power nozzle spray angle 15°	3	2.113-047.0	55					Fan jet nozzle with 15° spray angle suitable for stubborn dirt.	□
<b>Power nozzle spray angle 40°</b>									
Power nozzle spray angle 40°	4	2.113-054.0	50					Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces.	□

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



# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

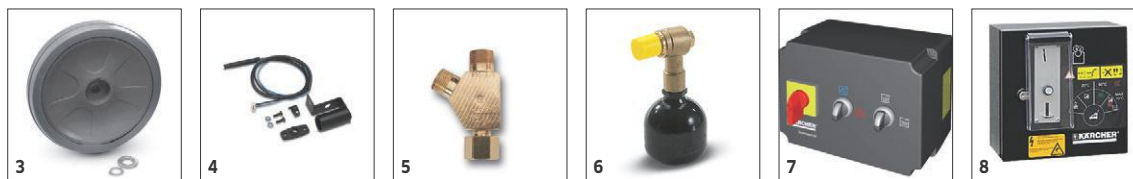
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		Order No.	Max. working pressure	Length			Price	Description	
<b>Rotating spray lances</b>									
1050 mm lance, rotatable, ergonomic	1	4.112-000.0	300 bar	1050 mm				1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Lance 250 mm, non-rotatable	2	4.112-027.0	300 bar	250 mm					□
550 mm lance, non-rotatable	3	4.112-024.0	300 bar	400 mm					□
Rotatable lance, 600 mm, ergonomic	4	4.112-007.0	300 bar	600 mm				600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Lance 850 mm, rotatable, ergonomic	5	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	6	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	7	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	8	4.112-048.0	300 bar	1000 mm					□
<b>Angular spray lance</b>									
WC and gutter lance	9	4.112-029.0						Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets.	□
<b>Flexible spray lance</b>									
Flexible lance 1050 mm	10	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.	□
<b>Telescopic spray lance</b>									
Telescopic jet pipe	11	4.112-037.0	225 bar	5400 mm					□
Restraint belt for telescopic jet pipe	12	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.	□
<b>Gutter cleaner</b>									
Gutter cleaning lance	13	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.	□
<b>Undercarriage spray lance</b>									
Underbody lance	14	4.112-032.0		700 mm				Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle.	□
<b>Zusatzhandgriff</b>									
	15	4.321-380.0							□
<b>Weed control</b>									
WR 50 trapezoidal thread	16	2.114-013.0							□
WR 20 trapezoidal thread	17	2.114-014.0							□
NOCH NICHT GEPFLEGT ----->	18	2.114-015.0							□
WR 10	19	2.114-016.0							□

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

# ACCESSORIES FOR HDS 7/12-4 M EASY! 1.077-903.0

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		Order No.						Price	Description	
<b>Crane lifting kit</b>										
Crane loading kit for HDS middle and super class	1	2.642-424.0							Effortless loading by crane.	<input type="checkbox"/>
NOCH NICHT GEPFLEGT ----- ---- >	2	2.644-053.0								<input type="checkbox"/>
<b>Grey wheel kit</b>										
Grey wheel kit HDS M/S	3	2.641-975.0								<input type="checkbox"/>
<b>Flame monitoring attachment kit</b>										
ABS flame monitor for HDS M/S	4	2.641-796.0							More safety thanks to ABS HDS M/S flame monitoring system: A light sensor monitors the burner flame. The fuel supply cuts out automatically if the flame extinguishes.	<input type="checkbox"/>
<b>Y distributor</b>										
Y distributor	5	4.111-024.0								<input type="checkbox"/>
<b>Accumulator kits</b>										
Add-on accumulator for HDS M/S	6	2.641-803.0							The accumulator can be mounted on the HDS machine in order to dampen pressure surges, which conserves the machine's line system.	<input type="checkbox"/>
<b>Remote control set</b>										
Remote control set	7	2.642-157.0								<input type="checkbox"/>
<b>Coin-op remote control</b>										
Coin-op remote control	8	2.642-158.0								<input type="checkbox"/>

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



# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

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		Order No.	Flow rate	Nozzle size	Diameter	Price	Description	
<b>Hard Surface Cleaner FRV 30</b>								
Add-on kit hose attachment	1	2.642-528.0						<input type="checkbox"/>
Add-on kit dirt trap	2	2.642-532.0						<input type="checkbox"/>
<b>Hard surface cleaner FR 30 ME</b>								
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"/>
<b>Hard Surface Cleaner FR 50</b>								
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"/>
<b>Machine-specific nozzle kit for FR</b>								
Nozzle kit for surface cleaners (type-specific) 650 - 850 l/h	5	2.639-187.0	650-850 l/h				Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).	<input type="checkbox"/>
<b>Machine-specific nozzle kits for FRV</b>								
Nozzle kit 050 for FRV 30	6	2.642-433.0		50				<input type="checkbox"/>
<b>FRV 30 Me surface cleaner</b>								
Suction hose FRV 30 me	7	4.441-040.0						<input type="checkbox"/>
FRV 30 ME	8	2.111-012.0						<input type="checkbox"/>
<b>Surface Cleaner FR 50 Me</b>								
	9	2.111-024.0						<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

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		Order No.						Price	Description	
<b>Nozzle union</b>										
Protection part TR only for replacement	1	4.112-011.0								<input type="checkbox"/>
<b>Spacer (including nozzle union)</b>										
Spacer (incl. nozzle union)	2	5.394-294.0							Guarantees constant safety clearance, e.g. for tyres and bodywork. Helps prevent damage to sensitive surfaces. Mounts directly to lance.	<input type="checkbox"/>
<b>Rotary coupling</b>										
Rotary coupling	3	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.	<input type="checkbox"/>
<b>Coupling</b>										
Coupler -2xM22x1,5	4	4.111-037.0							Brass double connector for connecting and extending high-pressure hoses. With rubber protection. Connector: 2x M 22 x 1.5 m.	<input type="checkbox"/>
<b>Connector</b>										
Nozzle connector/screw connector	5	4.111-022.0							Nozzle connector/screw connector for connecting high-pressure nozzles and accessories to the high-pressure trigger gun (with nozzle connector). Connectors: 1x M 22 x 1.5 and 1x M 18 x 1.5.	<input type="checkbox"/>
	6	4.111-038.0								<input type="checkbox"/>
<b>Adapter EASY!Lock</b>										
Adapter 1 M22AG-TR22AG	7	4.111-029.0								<input type="checkbox"/>
Adapter 2 M22IG-TR22AG	8	4.111-030.0								<input type="checkbox"/>
Adapter 3 M22IG-TR22AG	9	4.111-031.0								<input type="checkbox"/>
Adapter M22 - Swivel	10	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 connection.	<input type="checkbox"/>
Adapter 5 TR22IG-M22AG	11	4.111-033.0								<input type="checkbox"/>
Adapter 6 TR22IG-M22AG	12	4.111-034.0								<input type="checkbox"/>
Adapter 7 M18IG-TR20AG	13	4.111-035.0								<input type="checkbox"/>
Adapter 8 TR20IG-M18AG	14	4.111-036.0								<input type="checkbox"/>
ADAPTER for replacement TR22IG-M22AG Er	15	4.111-046.0								<input type="checkbox"/>
<b>Flue pipe</b>										
Flue gas adapter	16	4.656-149.0							Flue gas adapter with draught damper for flue pipe connection (adapter for HDS burners for connection to a stack system).	<input type="checkbox"/>
	17	4.656-080.0								<input type="checkbox"/>
<b>HP detergent injector</b>										
Detergent injector for high and low pressure (without nozzles)	18	4.637-032.0							Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.	<input type="checkbox"/>
Detergent injector for high pressure	19	4.637-033.0							Cleaning agent dosage at high pressure 3 - 5 %	<input type="checkbox"/>
<b>Machine-specific nozzle kit with order no. 3.637-170</b>										
Nozzle insert trapezoidal thread HDS-GER	20	4.769-011.0								<input type="checkbox"/>
<b>Nozzle insert with order no. 3.637-001</b>										
Nozzle insert for Order No. 3.637-001, high-pressure for machines up to 1100 l/h.	21	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.	<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY! 1.077-903.0



		Order No.					Price	Description	
Low pressure for units rated up to 1100 l/h	22	4.769-001.0						For low pressure with machines up to 1.100 l/h	<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY!

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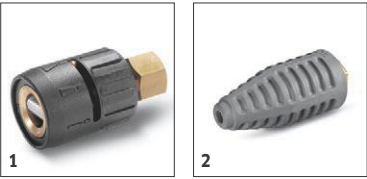
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		Order No.	Max. working pressure	Nozzle size	Diameter	Price	Description	
<b>Barrel and tank cleaning</b>								
Barrel cleaner BC 14/12	1	2.112-020.0					Nozzle kit with wet blasting nozzle and nozzle insert (type specific). For optimal Kärcher wet blasting attachment performance. Only in combination with wet blasting attachment 4.115-000.0   4.115-006.0.	<input type="checkbox"/>
<b>HKF 50 spray head, brass</b>								
HKF 50 spray head, brass	2	3.631-039.0					Depth of immersion 850 mm. Interior cleaning head for barrels and containers with bungholes of 50 mm and more. Can be directly connected to the high-pressure cleaner. Electric motor drive. Operation is possible both vertically and horizontally	<input type="checkbox"/>
	3	3.631-058.0						<input type="checkbox"/>
<b>Nozzle kit for HKF 50 spray head (3.631-009.0 / 3.631-039.0)</b>								
Nozzle 045 for dual nozzle operation HKF 50	4	6.415-446.0		45			Nozzle for dual-nozzle operation	<input type="checkbox"/>
Nozzle 090 for single nozzle operation HKF 50	5	6.415-447.0		90			Nozzle for single-nozzle operation	<input type="checkbox"/>
Cone for plugging into bungholes	6	4.132-002.0					Cone for plugging into bungholes	<input type="checkbox"/>
Double handle for exact control of the spray head	7	2.863-036.0					Double handle. Precise control of the spray head	<input type="checkbox"/>
Screw plug for using a spray head with one nozzle	8	5.411-061.0					Screw plug for using a spray head with one nozzle	<input type="checkbox"/>
Nozzle 070 for HKF 50	9	6.415-077.0		70			Nozzle for dual-nozzle operation	<input type="checkbox"/>
<b>Pipe cleaning hose, ID 6</b>								
Hose assembly TR pipe cleaning DN6 max.2	10	6.110-046.0	250 bar					<input type="checkbox"/>
Pipe cleaning hose, ID 6, 20 m, max. 250 bar	11	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).	<input type="checkbox"/>
Hose assembly TR pipe cleaning DN6 max.2	12	6.110-047.0	250 bar					<input type="checkbox"/>
<b>Pipe cleaning nozzle</b>								
Drain cleaning dirt blaster D 25/060	13	6.415-945.0		60	25 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"/>
Drain cleaning dirt blaster D 30/060	14	6.415-947.0		60	30 mm			<input type="checkbox"/>
Drain cleaning dirt blaster D 35/060	15	6.415-949.0		60	35 mm			<input type="checkbox"/>
Nozzle pipe cleaning size 80	16	5.763-087.0		80	25 mm		Pipe cleaning nozzle with 24 mm diameter. With 4 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Nozzle pipe cleaning size 120	17	5.763-089.0		120	16 mm		Pipe cleaning nozzle with 24 mm diameter. With 8 nozzles tilted back at a 30° angle.	<input type="checkbox"/>
Pipe cleaning nozzle	18	5.763-015.0		55	16 mm		16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
	19	5.763-016.0		60	16 mm			<input type="checkbox"/>
	20	5.763-017.0		50	30 mm		30 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>
Rotating pipe cleaning nozzle	21	6.415-428.0		50	16 mm		Rotating pipe cleaning nozzle with internal thread and four rotating jets for environmentally-friendly cleaning of blocked drains and pipes.	<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0



		Order No.	Max. working pressure	Nozzle size			Price	Description	
<b>Angle vario nozzle 0°-90°</b>									
Variable angle nozzle 0-90°	1	4.113-006.0		80				Variable angle nozzle for spray angle adjustment from 0° to 90°. For easy adjustment to all kinds of soiling and surfaces.	<input type="checkbox"/>
<b>Dirt blaster, large</b>									
Dirt blaster - without changeover function	2	4.114-027.0	300 bar	50				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.	<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

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		Order No.	Nozzle size					Price	Description	
<b>Wet blasting attachment (without nozzle)</b>										
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"/>
<b>Nozzle pack for wet blasting attachment</b>										
Nozzle pack TR wet jet set 0050	3	2.112-023.0	50							<input type="checkbox"/>
<b>Boron carbide nozzle</b>										
Boron carbide nozzle, for machines 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.	<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY! 1.077-903.0

**KÄRCHER**



		Order No.	Flow rate					Price	Description	
<b>Cup foam lance</b>										
Foam lance TR	1	4.112-054.0	700-800 l/h							<input type="checkbox"/>
Packing complete for 6.394-969.0	2	2.112-018.0								<input type="checkbox"/>
Tank grey only for replacement 1L	3	6.414-050.0								<input type="checkbox"/>
Tank 1L	4	6.414-954.0								<input type="checkbox"/>
<b>Inno Foam Kit</b>										
Inno foam kit with detergent injector	5	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"/>
Inno foam kit	6	2.112-008.0								<input type="checkbox"/>
<b>Easy Foam Set</b>										
Easy Foam Set with RM injector	7	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	8	2.112-011.0								<input type="checkbox"/>
<b>Nozzle kits for Inno/Easy Foam Set</b>										
Nozzle kit 090 Inno/Easy kit 700 - 1000 l/h	9	2.111-019.0	700-1000 l/h						Nozzle kit contains Kärcher power nozzles and nozzle inserts. For Inno/Easy-Foam set 700-1000 l/h. For optimal foam system performance.	<input type="checkbox"/>
<b>Foam nozzle mounting kit</b>										
Foam nozzle kit	10	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"/>

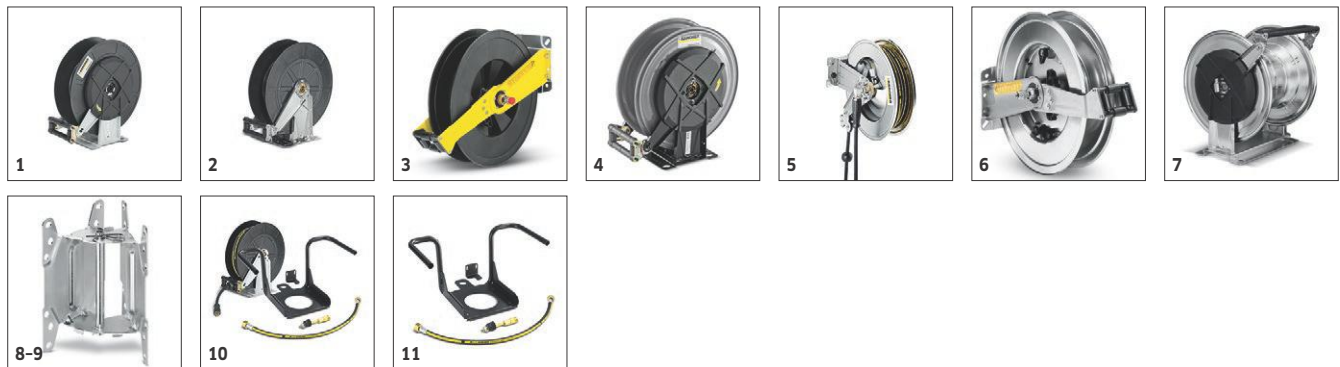
■ Included in delivery. □ Available accessories. ▲ Extension hose.



# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

**KÄRCHER**



		Order No.	Length				Price	Description	
<b>Automatic, self-winding hose reels</b>									
Add-on kit hose reel plastics	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.	<input type="checkbox"/>
Add-on kit hose reel	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.	<input type="checkbox"/>
Hose reel, automatic, 20 m, painted	3	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"/>
Add-on kit hose reel lacquered basaltgra	4	6.392-105.0	20 m						<input type="checkbox"/>
Hose reel, automatic, 20 m, stainless steel	5	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	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 corrosion-resistant, watertight capsuled sprong drive. Connection for HP hoses with nipple.	<input type="checkbox"/>
Add-on kit hose reel TR 40m	7	6.392-442.0	40 m						<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"/>
<b>Anbausatz Schlauchtrommel automatik</b>									
Add-on kit hose reel HDS M/S	10	2.110-011.0						Automatic hose reel as a complete attachment kit that's easy to mount. Suitable for HDS medium and super class. For maximum convenience when winding and unwinding the high-pressure hose.	<input type="checkbox"/>
Add-on kit holder hose reel TR	11	2.110-020.0							<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY! 1.077-903.0



		Order No.	Flow rate				Price	Description	
<b>Push-on washing brush</b>									
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.	<input type="checkbox"/>
<b>Rotating washing brush</b>									
Washing brush rotary	2	4.113-004.0	500-800 l/h						<input type="checkbox"/>
	3	4.113-003.0	500-800 l/h						<input type="checkbox"/>

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

# ACCESSORIES FOR HDS 7/12-4 M EASY!

## 1.077-903.0

**KÄRCHER**



		Order No.	Length	Diameter		Price	Description	
<b>Geka coupling</b>								
With hose nozzle, R 3/4"	1	6.388-455.0					with hose liner	<input type="checkbox"/>
With hose nozzle, R 1"	2	6.388-465.0						<input type="checkbox"/>
Hose coupling	3	6.388-458.0					with female thread	<input type="checkbox"/>
<b>Suction filter</b>								
Water filter	4	6.414-956.0						<input type="checkbox"/>
Suction filter with check valve	5	4.730-012.0					Brass suction filter suitable for ponds, storage tanks, etc. With check valve.	<input type="checkbox"/>
<b>Fine-mesh water filter</b>								
Fine-mesh water filter with adapter	6	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".	<input type="checkbox"/>
Fine-mesh water filter, 100 µm, R 1"	7	2.638-270.0					Fine-mesh water filter, 100 µm, max. temperature 60°C. Connects to high-pressure cleaner. Protects the high-pressure cleaner from dirt particles contained in the water. Water flow rate up to 1200 l/h. Connector 1".	<input type="checkbox"/>
<b>Water supply hose</b>								
Water supply hose	8	4.440-038.0	7,5 m				NW 13 R1" / R 3/4", up to 30 °C	<input type="checkbox"/>
	9	4.440-207.0	7,5 m				NW 19 R1" / R 3/4", up to 85 °C, for pick-up	<input type="checkbox"/>

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