

HD 7/16-4 ST

With a working pressure of 160 bar, the HD 7/16-4 ST is an entry-level machine in the area of stationary high-pressure cleaners with single-lance operation. Many features are freely configurable.



Order no. 1.524-500.2

Technical data

EAN code		4039784455191
Number of current phases	Ph	3
Voltage	V	400
Frequency	Hz	50
Flow rate	l/h	300 - 700
Working pressure	bar / MPa	30 - 160 / 3 - 16
Max. pressure	bar / MPa	190 / 19
Inlet temperature	°C	70
Connected load	kW	4.4
Protection	A	16
Number of users		1
Portability		stationary
Weight (with accessories)	kg	53
Dimensions (L × W × H)	mm	900 × 780 × 705

This machine requires instruction.

Scope of supply

High-pressure hose length: 10 m
 High-pressure hose specification: DN 8, 315 bar
 Anti-twist system (AVS)
 Stainless steel spray lance: 1050 mm
 Prepared for Servo Control

Equipment

Spray gun: Easy Press trigger gun
 Spray gun with soft grip padding

Always flexible thanks to fast retrofitting capability

- Most functions and accessory parts can be retrofitted at any time.
- Simple Plug 'n' Play saves assembly costs.
- Adjustment to changed requirements instead of a new purchase.

Very hot and effective cleaning thanks to a high inlet temperature

- Up to 70°C water supply temperature even in the basic model.
- With an advance pressure pump and heat-resistant seals, temperatures of up to 85°C can be achieved.
- Simple pre-connection of a HWE 860 hot water generator possible.

Individual configurability saves investment costs

- You don't pay for anything that isn't really needed.
- Simply choose a basic unit and add only the required functions.
- Over 50 accessories for ease of use.

ACCESSORIES FOR HD 7/16-4 ST 1.524-500.2



		Order no.	Description	
TRIGGER GUNS				
Easy Press high-pressure trigger gun with holding force reduction (Kärcher patent)				
Easy Press HP trigger gun with soft grip	1	4.775-463.0	Easy press high-pressure trigger gun with softgrip. For high-pressure hoses DN 6 and DN 8 with 11 mm swivel diameter.	■
Servo control				
Servo Control, 750 l/h – 1100 l/h	2	4.775-470.0	Water flow and pressure control on the trigger gun.	□
SPRAY LANCES				
Rotating spray lances				
Spray lance, 1050 mm, rotatable	3	4.760-660.0	1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	■
Spray lance, 600 mm, rotatable	4	4.760-664.0	600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.	□
Spray lance				
Jet pipe 600mm with package	5	4.760-856.0	High-pressure spray lance with M 22 screw connections from the Classic series from Kärcher. Also suitable for hot water high-pressure cleaners.	□
MULTIPLE-JET NOZZLES				
Triple nozzles				
Triple nozzle, 043	6	4.767-152.0	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 × 1.5.	■
HIGH-PRESSURE HOSES				
Standard				
High-pressure hose, 10 m, ID 8, 315 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	7	6.390-025.0	10 m high-pressure hose (M 22 × 1.5) with kink protection. With patented rotating AVS trigger gun connector and manual coupling. Further data: DN 8/155°C/315 bar.	■
Standard with unions on both sides				
High-pressure hose, 10 m, ID 8, 315 bar, 2 × M22 × 1.5	8	6.391-342.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	□
Longlife 400				
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	9	6.391-351.0	With patented AVS connection in the trigger gun (rotatable) and hand screw connection, M 22 × 1.5 with kink protection. With double steel reinforcement.	□
Longlife 400 with unions on both sides				
High-pressure hose Longlife, 1.5 m, ID 8, 400 bar, 2 × M22 × 1.5	10	6.390-178.0	1.5 m high-pressure hose (DN 8, M 22 × 1.5) with kink protection and connectors at both ends. For connecting to hose reels with appropriate connector (M 22 × 1.5).	□
High-pressure hose Longlife, 10 m, ID 8, 400 bar, 2 × M22 × 1.5	11	6.388-083.0	10 m high-pressure hose Longlife 400 (DN 8) with rotary coupling, two layer high-strength steel wire reinforced. Connectors at both ends. M 22 × 1.5, with kink protection.	□
	12	6.391-354.0	To extend the operating radius with the high-pressure cleaner. Connection on both sides M22 × 1.5.	□
Longlife food design				
High-pressure hose food grade, 10 m, ID 8, 400 bar, 1 × M22 × 1.5 / 1 × AVS-hose reel connection	13	6.391-885.0	Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With patented AVS connection in the pistol (pivot mounted)	□
Longlife food design with screw connections at both ends				
High-pressure hose food grade, 10 m, ID 8, 400 bar, 2 × M22 × 1.5	14	6.391-864.0	Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 × M 22 × 1,5	□

■ Included in the scope of supply. □ Available accessories.

ACCESSORIES FOR HD 7/16-4 ST

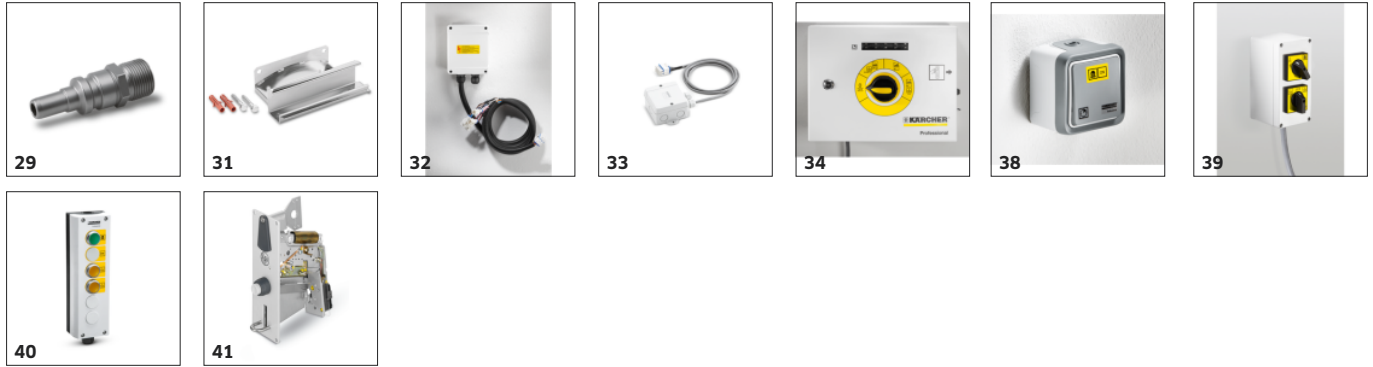
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		Order no.	Description	
HIGH-PRESSURE HOSES				
Longlife food design with screw connections at both ends				
High-pressure hose food grade, 20 m, ID 8, 400 bar, 2 × M22 × 1.5	15	6.391-887.0	Longlife HP hose for use in the food industry. Außendecke## animal-grease-resistant, non-colour-bleeding material. With rotary coupling, 2 × M 22 × 1,5	☐
Special hoses				
High-pressure hose curved, 1.5 m, ID 8, 400 bar, 2 × M22 × 1.5	16	6.388-886.0	Connection hose in longlife quality with 2x M22 × 1.5, with angled connection on one side.	☐
Classic				
Hose with transport packaging, 10 m, ID 8, 315 bar × , M22 × 1.5	17	4.760-834.0	High-pressure hose with M22 screw connections from the Classic series from Kärcher. Also suitable for hot water high-pressure cleaners.	☐
KÄRCHER POWER NOZZLE				
Power nozzle spray angle 25°				
Power nozzle 25°, 042	18	2.883-831.0	Flat stream large area coverage and stubborn dirt and contaminations.	☐
NOZZLE UNION / SPACER				
Nozzle union				
Nozzle connector	19	5.401-210.0	For protecting and connecting Kärcher power nozzles to spray lances (M 18 × 1.5 IG).	☐
FLOOR AND HARD SURFACE CLEANER				
FR Classic surface cleaner				
Surface cleaner medium M with package	20	4.760-876.0	For hot water applications up to 100 °C: the robust classic surface cleaner made of metal with HP trigger gun, 500 mm diameter and nozzle kit (2 × nozzle size 025; others can be ordered separately).	☐
Hard surface cleaner FR 30				
Surface Cleaner FR 30	21	2.642-997.0	Up to 10 times greater area coverage compared with the conventional high pressure jet. Plastic casing for optimal manoeuvrability, double ceramic bearing for long working times, flexible connection joint for ergonomic handling and integrated parking position. Machine specific nozzle kit must be ordered separately.	☐
FR 30 Me surface cleaner				
Hard surface cleaner FR 30 Me	22	2.640-355.0	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				
Hard surface cleaner FR 50	23	2.640-679.0	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.	☐
Machine-specific nozzle kits for FR				
Nozzle kit for FR, 650 l/h - 850 l/h	24	2.639-187.0	Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (650 to 850 l/h).	☐
FOAM SYSTEMS				
Cup foam lance				
Cup foam lance, 1200 l/h -	25	6.394-668.0	Short, handy foam lance with adjustable spray angle with 1 litre detergent tank. Ideal for cleaning cars due to its compact design.	☐
Inno Foam Kit				
Inno Foam Set with detergent injector	26	2.640-151.0	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	27	2.640-691.0	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.	☐
QUICK CONNECT				
Quick coupling	28	6.401-458.0	For fast changes between different spray lances/accessories. Perfect for Kärcher spray unit, suitable for trigger gun/spray lance interface. With M 22 × 1.5 internal thread.	☐

☐ Available accessories.

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		Order no.	Description	
QUICK CONNECT				
Male coupling	29	6.401-459.0	Hardened stainless steel male coupling for quick coupling 6.401-458. With M 22 × 1.5 external thread.	☐
DRUM AND TANK CLEANING				
Add-on kit mud sucker	30	2.641-798.0	For connection to the high-pressure hose of Kärcher high-pressure cleaners: Powerful sludge suction cleaner for the retrofitting of high-pressure cleaners to dirt pumps.	☐
TAKE-OFF POINT EQUIPMENT				
Hose and spray lance holder VA	31	2.042-003.0	Hose and spray lance wall holder for practical and safe storage of high-pressure hoses or spray lances. Stainless steel wall holder.	☐
REMOTE CONTROL				
Junction box for remote control	32	2.209-798.0	Junction box for stationary HD machines from Kärcher. For connecting single and multiple remote controls, control electronics, priority switches and coin remote control. With wiring harness.	☐
ABS: Junction box for remote control/emergency stop	33	2.209-807.0	The remote unlocking junction box attachment kit is used to connect a button for remote unlocking or an emergency stop switch.	☐
Multiple coin remote control without coin acceptor	34	2.642-422.0	The multiple coin remote control (without coin acceptor) for simple operation of stationary HD/HDS machines from Kärcher, e.g. in washing bays. For wall mounting, incl. fastening material.	☐
Control electronics multiple remote control	35	2.744-036.0		☐
Emergency stop switch – for installation in remote control 2.744-015	36	6.635-434.0		☐
	37	6.651-485.0		☐
Remote release button	38	2.637-491.0	Remote release button for stationary high-pressure cleaners from Kärcher: resets the switch-off after 30 minutes of continuous operation or continuous pause.	☐
Remote control I/O, RM 1/2	39	2.744-014.0	Remote control for controlling a stationary cold water high-pressure cleaner. Functions: on/off and dosing of up to two detergents (RM1/RM2).	☐
Multi-key remote control, I/O, RM 1/2	40	2.744-015.0	Multi-key remote control for switching on and off and dosing up to two detergents (RM1/RM2). In conjunction with E-box 2.744-018.0.	☐
Coin acceptor, 50 cents	41	2.639-912.0	Coin acceptor, 50 cents	☐
Coin acceptor, 1 €	42	2.639-913.0	Coin acceptor, € 1	☐

☐ Available accessories.

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		Order no.	Description	
REMOTE CONTROL				
Coin acceptor, 2 €	43	2.639-914.0	Coin acceptor, € 2	☐
Coin acceptor, tokens	44	6.768-063.0	Token	☐
CONTROL CABLE				
Clamp for conduit (use 5 every 3 metres)	45	6.373-377.0		☐
Control cable	46	6.647-222.0	Connection cable available as bulk stock (12 × 1.0 mm ²) for use as control cable. For all stationary HD/HDS machines from Kärcher.	☐
Control cable 3 × 1.5 mm ²	47	6.641-059.0	Connecting cable 3 × 1.5 mm ² . Available by the meter.	☐
Control cable 5 × 1.5 m	48	6.641-061.0	Control cable 5 × 1.5	☐
Control cable 7 × 1.5 m	49	6.641-064.0	Control cable 7 × 1.5	☐
Control cable 10 × 1.5 m	50	6.641-082.0	Control cable 10 × 1.5	☐
Control cable 12 × 0.75 m	51	6.641-815.0	Control cable 12 × 0.75	☐
Conduit	52	2.420-008.0	Conduit for control cable installation. Consisting of 3 m conduit, 5x conduit clips, 5x dowels, 5x screws.	☐
HIGH-PRESSURE PIPEWORK				
High-pressure pipe kit	53	2.420-006.0	High-pressure pipe kit with 3 m stainless pipe Ø 16 × 2 mm, ID 12 and mounting accessories: compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	☐
Connection piece, pipe/HP hose, stainless steel (Ermeto)	54	2.638-181.0	Stainless steel	☐
Connection piece, pipe/stop cock, stainless steel (Ermeto)	55	2.638-183.0	For stationary HD/HDS machines: Stainless steel transition piece comprising double nipple, union nut and cutting ring. For connecting the pipe to the shut-off valve.	☐
Stop cock, stainless steel (Ermeto)	56	4.580-163.0	Stainless steel shut-off valve with M 22 × 1.5 thread suitable for connecting pipeline and high-pressure hose for stationary high-pressure systems from Kärcher.	☐

☐ Available accessories.

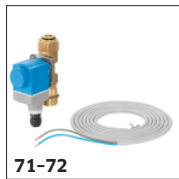
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		Order no.	Description	
HIGH-PRESSURE PIPEWORK				
Union nut, stainless steel (Ermeto)	57	6.386-428.0	(VA)	☐
T-screw connection, stainless steel (Ermeto)	58	6.386-465.0	Stainless steel	☐
Stainless steel elbow union 90°	59	6.386-466.0	Stainless steel elbow union 90° with compression fitting (Ermeto) at both ends for 16 mm pipes.	☐
Quick coupling, loose part, M 22 × 1.5	60	6.463-023.0	loose part	☐
Connector, galvanised steel	61	2.638-180.0	Alternativ : stainless steel 2.638-181	☐
Shut-off valve, galvanised steel	62	4.580-144.0	Shut-off valve made from zinc-coated steel for stationary high-pressure systems from Kärcher. For connecting the pipeline to the high-pressure hose.	☐
Pipe kit, galvanised steel, 3 m	63	2.420-004.0	High-pressure pipe kit with 3 m galvanised steel pipe Ø 16 × 2.5 mm, DN 11 and fixing accessories: Compression fitting, 4 pipe clamps, 4 hanger bolts and 4 plastic dowels.	☐
Tee, galvanised steel	64	6.386-269.0	Tee (90°), galvanised steel with compression fitting for 16 mm pipes. Fixing material (Ermeto) included.	☐
Elbow union, galvanised steel	65	6.386-356.0	Elbow union, galvanised steel. With 90° angle piece with compression fitting (Ermeto) at both ends for 16 mm pipes.	☐
Pipe insulation, per running meter	66	6.286-147.0	For thermal insulation of pipes. Pipe cladding. Wall thickness 9 mm. PE foam with moisture barrier. Available per running meter.	☐
Adapter piece, galvanised steel	67	2.638-182.0	Alternative: stainless steel 2.638-183	☐
Quick-release coupling, fixed part	68	6.463-025.0	fixed part	☐
Union nut, galvanised steel	69	6.386-423.0	Union nut, galvanised steel. For 16 mm compression fitting.	☐
Cutting ring	70	6.386-357.0	Galvanised steel cutting ring. For 16 mm compression fitting.	☐

☐ Available accessories.

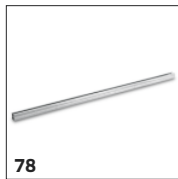
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		Order no.	Description	
PLANT INSTALLATION				
Water feed solenoid valve	71	2.209-788.0	Solenoid valve for set-up of stationary HD machines from Kärcher. Automatically closes the water supply when the machine is at a standstill.	☐
Solenoid valve suction water	72	2.209-805.0	Suction water solenoid valve	☐
Fine-mesh water filter	73	2.209-806.0	Fine-mesh water filter	☐
Floor rack, varnished	74	2.210-058.0		☐
Floor rack, stainless steel	75	2.210-059.0		☐
Water supply hose; 1.5 m; DN 19 R1	76	4.440-733.0	Only in combination with screw connector 5.402-386.0	☐
HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
C-rail holder	77	6.541-027.0	Wall-mounted C-rail holding clamp for hose guide of Kärcher high-pressure cleaners.	☐
C-rail, per running metre	78	6.233-017.0	C-rail profile as a guide track. 30x32 mm, 2 mm wall thickness 1.56 kg/m. Available per running metre.	☐
Rail connector	79	6.541-011.0	Rail connector	☐
End stop	80	6.541-025.0	End stop	☐
Cable trolley	81	6.541-026.0	Cable trolley for C-rail profile. 20 kg capacity. Weight 0.11 kg. Galvanised steel ball bearing.	☐
End bracket	82	6.541-028.0	End bracket	☐
Handle	83	6.541-029.0	C-rail profile clamp. Galvanised steel. Plastic clamping parts. Weight 0.06 kg.	☐
Wall bracket	84	6.541-039.0	Wall holder for galvanised steel C-rail profile.	☐

☐ Available accessories.

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HOSE TRACK SYSTEM HIGH-PRESSURE CLEANERS				
Rail holder wall	85	6.541-012.0	Galvanised steel rail bracket for C-rail profile. Weight 0.235 kg.	☐
Spring balancer	86	6.542-001.0	Balancer	☐
Spray lance runner, movable	87	4.042-610.0	moveable	☐
Hose reel, manual, 20 m, painted	88	2.637-577.0	Hose reel, manual, 20 m, painted	☐
SEALS FOR TRAPEZOIDAL THREAD				
Gasket set with 9x O-rings for TR thread	89	2.880-001.0		☐
OTHER HP ACCESSORIES				
Coin remote control	90	2.644-029.0	Coin remote control with electronic coin acceptor for connecting a high-pressure cleaner as a pre-wash device. Please have the power outlet and cable provided on site.	☐
COUPLING PARTS				
Coupling				
Coupler -2 × M22 × 1,5	91	4.403-002.0	For connecting and extending high-pressure hoses. Connection 2 × M 22 × 1.5.	☐
EASY!Lock adapter				
Adapter 1 M22AG-TR22AG	92	4.111-029.0	Adapter 1 to connect the old hose with the new hose	☐
Adapter 2 M22IG-TR22AG	93	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	94	4.111-031.0	Adapter 3 to connect the old gun with the new spray lance and new servo regulator	☐
Adapter 4 TR22IG-D11	95	4.111-032.0	Adapter 4 to connect the new gun with the old swivel hose	☐
Adapter 5 TR22IG-M22AG	96	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	97	4.111-034.0	Adapter 6 to connect the new device with the old hose and the old hose with the new gun	☐
Adapter 7 M18IG-TR20AG	98	4.111-035.0	Adapter 7 to connect the old spray lance with the new nozzle	☐

☐ Available accessories.

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		Order no.	Description	
COUPLING PARTS				
EASY!Lock adapter				
Adapter 8 TR20IG-M18AG	99	4.111-036.0	Adapter 8 to connect the new spray lance with the old nozzle	☐
HOSE REELS				
Automatic, self-winding hose reels for wall mounting				
Automatic stainless steel hose reel, 20 m	100	6.391-520.0		☐
Zinc-coated swivel holder	101	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.	☐
ADD ON KITS				
HP stationary attachment kit				
Pressure relief kit	102	2.209-773.0	"Pressure relief" kit for effective system care.	☐
Water softener dosing unit	103	2.209-777.0	Kit for avoiding limescale deposits in the system.	☐
Operating hour counter	104	2.209-778.0	"Operating hour counter" kit for documenting device operating time.	☐
ABS: Remote control preparation, one cleaning agent, low-pressure application, remote control preparation, high-pressure, one cleaning agent	105	2.209-779.0	"Remote control preparation" kit for one cleaning agent for low-pressure application.	☐
ABS: Remote control preparation, two cleaning agents, low-pressure application	106	2.209-780.0	"Remote control preparation" kit for two cleaning agents for low-pressure application.	☐
ABS: Remote control preparation, one cleaning agent, high-pressure application	107	2.209-799.0	"Remote control preparation" kit for one cleaning agent for high-pressure application.	☐
ABS: Remote control preparation, two cleaning agents, high-pressure application	108	2.209-800.0	"Remote control preparation" kit for two cleaning agents for high-pressure application.	☐

☐ Available accessories.