

## HD 9/23 DE TR1

Independent, mobile, with reliable Yanmar diesel engine (EU STAGE V): HD Trailer HD 9/23 De Tr1 for long high-pressure cleaning applications on construction sites and in municipalities. With 1000 l water tank.



**Order no.** 1.524-954.2

- Application-based configuration
- Servo Control: infinitely variable water and pressure volume regulation direct from the trigger gun
- Independent high-pressure cleaning irrespective of external power sources

| Technical data            |           |                    |
|---------------------------|-----------|--------------------|
| EAN code                  |           | 4054278519463      |
| Flow rate                 | l/h       | 400 - 930          |
| Inlet temperature         | °C        | 60                 |
| Working pressure          | bar / MPa | 40 - 230 / 4 - 23  |
| Motor manufacturer        |           | Yanmar             |
| Motor type                |           | L 100 V            |
| Weight (with accessories) | kg        | 600                |
| Dimensions (L × W × H)    | mm        | 3382 × 1496 × 1435 |

| Equipment               |    |                                      |
|-------------------------|----|--------------------------------------|
| Spray gun               |    | EASY!Force Advanced                  |
| High-pressure hose      | m  | 15 / Premium quality / ID 8, 315 bar |
| Spray lance             | mm | 1050                                 |
| Servo control           |    | ■                                    |
| Power nozzle            |    | ■                                    |
| Cleaning agent function |    | Suction                              |

■ Included in the scope of supply.

Users must receive training on this device.



## Independent of an external power or water supply

- Yanmar diesel or Honda petrol engines (both EU STAGE V) for independent work.
- 1000 litre water tank for at least one hour of work at full power.
- Integrated trailer concept for high mobility and maximum independence.



## Easy and convenient operation

- Very simple operation, thus designed for use in rental parks.
- Convenient equipment with motor electro start and optional hose reel.
- Storage compartment in the rear section for storing fuel canister and accessories.



## Robust design for harsh working conditions

- Reliable, tried-and-tested Kärcher high-pressure technology with long service life.
- Bullbar and rear tarpaulin for protecting the machine available as optional equipment.
- The integrated antifreeze system permits work activities all year round.

## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2



|   |    | Order no.   | Description  |   |
|---|----|-------------|--|---|
| <b>TRIGGER GUNS</b>                                   |    |             |  |   |
| <b>Spray 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.                                | ■ |
| 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.          | □ |
| <b>Servo control</b>                                  |    |             |  |   |
| Servo Control, 750 l/h - 1100 l/h                     | 5  | 4.118-008.0 | Water quantity and pressure regulated directly from the hand spray gun.  | ■ |
| <b>SPRAY LANCES</b>                                   |    |             |  |   |
| <b>Rotating spray lances</b>                          |    |             |  |   |
| Spray lance, 1050 mm, rotatable                       | 6  | 4.112-000.0 | 1050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | ■ |
| LED nozzle light                                      | 7  | 2.680-002.0 | Bright, lightweight LED work light for direct mounting on spray lance of EASY!Force high-pressure gun. Better view in unfavourable lighting conditions for up to 5 working hours.                    | □ |
| Spray lance, 250 mm, rotatable                        | 8  | 4.112-027.0 | Spray lance, 250 mm, rotatable, ergonomic  | □ |
| Spray lance, 400 mm, rotatable                        | 9  | 4.112-024.0 | Spray lance, 400 mm, rotatable, ergonomic  | □ |
| Spray lance, 600 mm, rotatable                        | 10 | 4.112-007.0 | 600 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | □ |
| Spray lance, 840 mm, rotatable                        | 11 | 4.112-006.0 | 850 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.  | □ |
| Spray lance, 1550 mm, rotatable                       | 12 | 4.112-018.0 | 1550 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | □ |
| Spray lance, 2050 mm, rotatable                       | 13 | 4.112-021.0 | 2050 mm stainless steel lance (manual coupling) with ergonomic handle for ease of use and protection. Rotatable 360° under pressure.   | □ |
| Spray lance extender, 1000 mm                         | 14 | 4.112-048.0 | Spray lance extension with EASY!Lock connection. Length 1000 mm.   | □ |

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

## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2

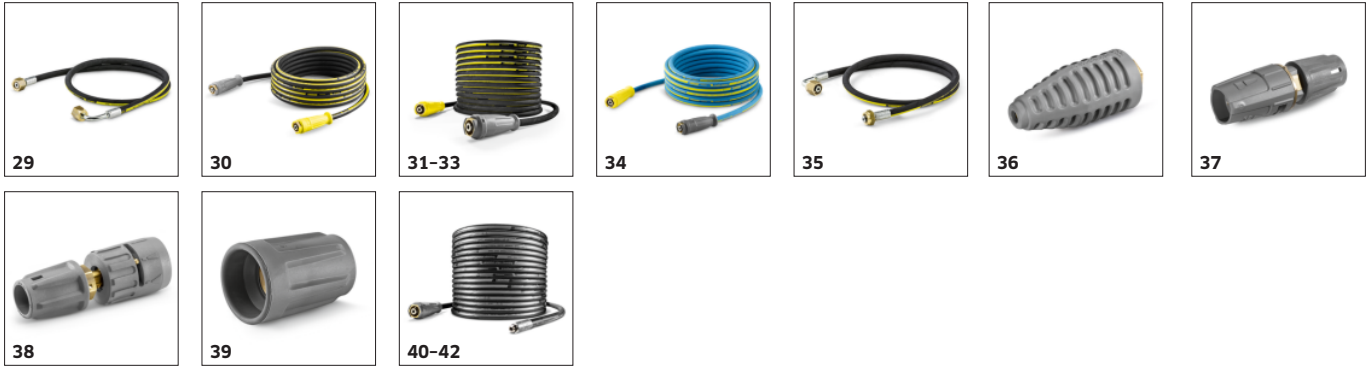


|  | Order no. | Description |  |
|--|-----------|-------------|--|
| <b>SPRAY LANCES</b>  |           |             |  |
| <b>Double lance</b>  |           |             |  |
| Double lance, 960 mm   | 15        | 2.112-016.0 | 960 mm double lance for variable pressure adjustment on handle at full water flow rate. Suitable for agricultural use ( e.g. stable cleaning). <input type="checkbox"/>  |
| <b>Angular spray lance</b>                                       |           |             |  |
| Spray lance for toilets and rain gutters                         | 16        | 4.112-029.0 | Stainless steel lance WC and gutter with nozzle insert. Specially shaped for effective and hygienic cleaning of gutters and toilets. <input type="checkbox"/>  |
| <b>Flexible spray lance</b>                                      |           |             |  |
| High pressure articulated joint                                  | 17        | 4.112-057.0 | 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. <input type="checkbox"/>   |
| <b>Gutter cleaner</b>  |           |             |  |
| Gutter cleaning lance  | 18        | 2.112-015.0 | 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. <input type="checkbox"/>   |
| <b>Undercarriage spray lance</b>                                 |           |             |  |
| Underbody lance  | 19        | 4.112-032.0 | Stainless steel lance for effective and easy underbody and wheel arch cleaning. Without high-pressure nozzle. <input type="checkbox"/>   |
| <b>Additional handle</b>   |           |             |  |
| Additional handle for EASY!Lock spray lances                     | 20        | 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. <input type="checkbox"/> |
| <b>KÄRCHER POWER NOZZLE</b>                                      |           |             |  |
| <b>Power nozzle spray angle 25°</b>                              |           |             |  |
| Power nozzle 25°, 050  | 21        | 2.113-023.0 | Fan jet nozzle with 25° spray angle, suitable for large areas and removing stubborn dirt and stains. <input checked="" type="checkbox"/>   |
| <b>HP nozzle spray angle 0°</b>                                  |           |             |  |
| Power nozzle 0°, 050   | 22        | 2.113-034.0 | High-pressure nozzle with powerful jet for extremely stubborn dirt. <input type="checkbox"/>   |
| <b>Power nozzle spray angle 40°</b>                              |           |             |  |
| Power nozzle 40°, 050  | 23        | 2.113-054.0 | Power nozzle with a 40° spray angle and fan jet, suitable for large areas and sensitive surfaces. <input type="checkbox"/>   |
| <b>HIGH-PRESSURE HOSES</b>                                       |           |             |  |
| <b>Standard with unions on both sides</b>                        |           |             |  |
| High-pressure hose, 15 m, DN 8, 315 bar, 2 × EASY!Lock           | 24        | 6.110-030.0 | 15 m long high-pressure hose, DN 8, with ANTI!Twist and time-saving EASY!Lock manual screw fitting on both sides. <input checked="" type="checkbox"/>  |
| High-pressure hose, 10 m, DN 8, 315 bar, 2 × EASY!Lock           | 25        | 6.110-031.0 | High-pressure hose (DN 8) suitable up to 315 bar pressure. With innovative EASY!Lock manual screw fitting on both sides, ANTI!Twist and 10 m long. <input type="checkbox"/>  |
| High-pressure hose, 20 m, DN 8, 315 bar, 2 × EASY!Lock           | 26        | 6.110-032.0 | 20 m long high-pressure hose (DN 8) equipped with the time-saving and robust EASY!Lock manual screw fitting on both sides. Approved for pressures up to 315 bar. <input type="checkbox"/>  |
| High-pressure hose, 30 m, DN 8, 315 bar, 2 × EASY!Lock           | 27        | 6.110-014.0 | Comfortable length (30 m) and innovative EASY!Lock manual screw fitting: High-pressure hose (DN 8) with ANTI!Twist for pressures up to 315 bar. <input type="checkbox"/>   |
| <b>Longlife 400 with unions on both sides</b>                    |           |             |  |
| High-pressure hose Longlife, 1,5 m, DN 8, 400 bar, 2 × EASY!Lock | 28        | 6.110-024.0 | 1.5 m short high-pressure hose (DN 8). Comfortable EASY!Lock manual screw fitting on both sides for robust and quick connections. Durable and designed for up to 400 bar pressure. <input type="checkbox"/>  |

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

## ACCESSORIES FOR HD 9/23 DE TR1

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|  | Order no.      | Description  |                          |
|--|----------------|--|--------------------------|
| <b>HIGH-PRESSURE HOSES</b>   |                |  |                          |
| <b>Longlife 400 with unions on both sides</b>                                    |                |  |                          |
| High-pressure hose Longlife, 1,5 m, DN 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1,5 | 29 6.110-069.0 | 1.5 m long high-pressure hose (DN 8) suitable for up to 400 bar pressure with double steel core. Connections: M 22 × 1.5, as well as the comfortable and quick EASY!Lock manual screw fitting. | <input type="checkbox"/> |
| High-pressure hose Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock                  | 30 6.110-038.0 | Durable, 10 m long high-pressure hose (DN 8) with double steel core and EASY!Lock manual screw fitting on both sides and ANTI!Twist. Approved for 400 bar pressure.                            | <input type="checkbox"/> |
| High-pressure hose Longlife, 30 m, DN 8, 400 bar, 2 × EASY!Lock                  | 31 6.110-023.0 | Robust high-pressure hose with double steel core, ANTI!Twist and EASY!Lock manual screw fitting on both sides. Nominal size DN 8, 30 m long, for up to 400 bar pressure.                       | <input type="checkbox"/> |
| High-pressure hose Longlife, 20 m, DN 8, 400 bar, 2 × EASY!Lock                  | 32 6.110-027.0 | High-pressure hose with ANTI!Twist, EASY!Lock manual screw fittings and double steel core. 20 m long, nominal size DN 8, EASY!Lock manual screw fitting on both sides.                         | <input type="checkbox"/> |
| High-pressure hose Longlife, 15 m, DN 8, 400 bar, 2 × EASY!Lock                  | 33 6.110-029.0 | The double steel core ensures a particularly long life of this 15 m long high-pressure hose (DN 8), which is approved for pressures up to 400 bar.   | <input type="checkbox"/> |
| <b>Longlife food design with screw connections at both ends</b>                  |                |  |                          |
| High-pressure hose food grade Longlife, 10 m, DN 8, 400 bar, 2 × EASY!Lock       | 34 6.110-053.0 | With blue, non-marking and animal fat resistant outer covering: durable high-pressure hose (ID 8), 10 m long, ANTI!Twist and EASY!Lock hand screw connection at both ends.                     | <input type="checkbox"/> |
| <b>Special hoses</b>   |                |  |                          |
| High-pressure hose curved, 1,5 m, DN 8, 400 bar, 1 × EASY!Lock / 1 × M22 × 1,5   | 35 6.110-068.0 | 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.              | <input type="checkbox"/> |
| <b>ROTARY NOZZLES (DIRT BLASTERS)</b>  |                |  |                          |
| <b>Dirt blaster, large</b>   |                |  |                          |
| Dirt blaster, large, 050   | 36 4.114-027.0 | 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"/> |
| <b>MULTIPLE-JET NOZZLES</b>  |                |  |                          |
| <b>Triple nozzles</b>  |                |  |                          |
| Triple nozzle, 050   | 37 4.117-037.0 | 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.    | <input type="checkbox"/> |
| <b>Angled vario nozzle 0-90°</b>   |                |  |                          |
| Angled Vario nozzle, 050   | 38 4.113-007.0 | 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>NOZZLE UNION / SPACER</b>   |                |  |                          |
| <b>Nozzle union</b>  |                |  |                          |
| Nozzle screws  | 39 4.112-011.0 | Nozzle screws with protectors for high-pressure and power nozzles  | <input type="checkbox"/> |
| <b>PIPE CLEANING</b>   |                |  |                          |
| <b>Pipe cleaning hose, ID 6</b>  |                |  |                          |
| Pipe cleaning hose, ID 6, 10 m, max. 250 bar                                     | 40 6.110-046.0 | The 10 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"/> |
| Pipe cleaning hose, ID 6, 20 m, max. 250 bar                                     | 41 6.110-008.0 | 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"/> |
| Pipe cleaning hose, ID 6, 30 m, max. 250 bar                                     | 42 6.110-047.0 | The 30 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"/> |

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

## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2



|  | Order no.      | Description   |  |                          |
|--|----------------|---|--|--------------------------|
| <b>PIPE CLEANING</b>                       |                |   |  |                          |
| <b>Pipe cleaning nozzle</b>                |                |   |  |                          |
| Pipe cleaning dirt blaster D21/060         | 43 4.765-002.0 | 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"/>   |                          |
| Pipe cleaning dirt blaster D30/060         | 44 4.765-005.0 |   | <input type="checkbox"/>   |                          |
| Pipe cleaning nozzle                       | 45 5.763-015.0 |   | 16 mm pipe cleaning nozzle with internal thread. Various jet directions for environmentally-friendly cleaning of blocked drains and pipes. | <input type="checkbox"/> |
|  | 46 5.763-016.0 |   |  | <input type="checkbox"/> |
|  | 47 5.763-017.0 | Pipe cleaning nozzle with inner thread. Different spray directions. The hose moves freely through the pipe. (R 1/8" connection, 3 × 30° backwards, diameter 30 mm.)   | <input type="checkbox"/>   |                          |
| Rotating pipe cleaning nozzle              | 48 6.415-428.0 | 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.  | <input type="checkbox"/>   |                          |
| <b>FLOOR AND HARD SURFACE CLEANER</b>      |                |   |  |                          |
| <b>Hard Surface Cleaner FRV 30</b>         |                |   |  |                          |
| FRV 30 Surface Cleaner                     | 49 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. | <input type="checkbox"/>   |                          |
| Rubber lip for FRV 30                      | 50 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.   | <input type="checkbox"/>   |                          |
| Extension hose 5 m                         | 51 4.440-939.0 | 5m extension hose for FRV 30. Connection sleeve included.   | <input type="checkbox"/>   |                          |
| Hose fastening attachment kit              | 52 2.642-528.0 | Suction cup for fixing the suction hose to smooth surfaces.   | <input type="checkbox"/>   |                          |
| Dirt trap attachment kit                   | 53 2.642-532.0 | Galvanised steel bucket for collecting coarse dirt and for fixing the suction hose in outside areas.  | <input type="checkbox"/>   |                          |
| <b>FR 30 Me surface cleaner</b>            |                |   |  |                          |
| Hard Surface Cleaner FR 30 Me              | 54 2.111-013.0 | 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.  | <input type="checkbox"/>   |                          |
| <b>Hard Surface Cleaner FR 50</b>          |                |   |  |                          |
| Surface Cleaner FR 50 Me                   | 55 2.111-023.0 | 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.  | <input type="checkbox"/>   |                          |
| <b>Machine-specific nozzle kits for FR</b> |                |   |  |                          |
| Nozzle kit for FR, 850 l/h - 1100 l/h      | 56 2.640-442.0 | Nozzle kit includes power nozzles and unions. For Kärcher surface cleaners (850 to 1100 l/h).   | <input type="checkbox"/>   |                          |

Available accessories.

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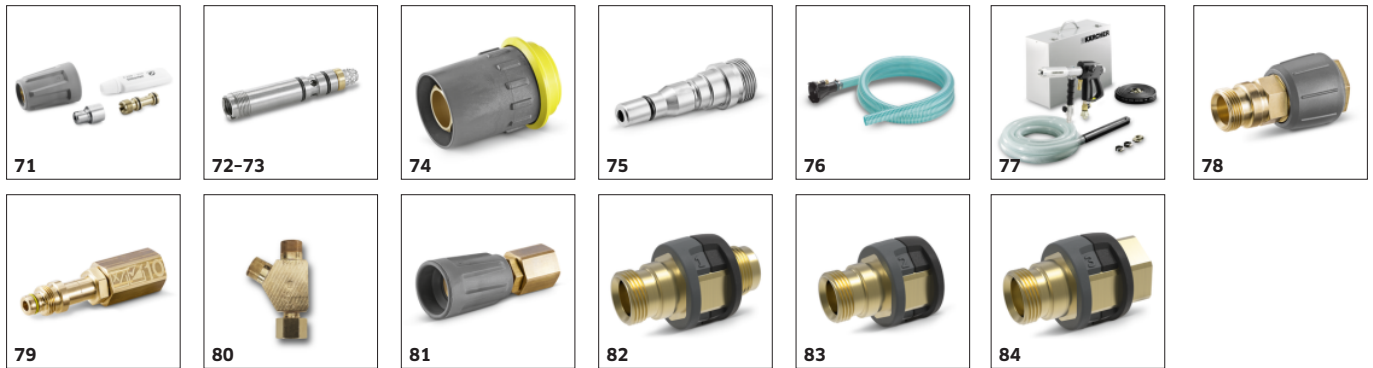


|   |    | Order no.   | Description  |                          |
|---|----|-------------|--|--------------------------|
| <b>FLOOR AND HARD SURFACE CLEANER</b>                               |    |             |  |                          |
| <b>Machine-specific nozzle kits for FRV</b>                         |    |             |  |                          |
| Nozzle kit for FRV, 050   | 57 | 2.642-433.0 | Machine-specific nozzle kit with Kärcher power nozzles and jet nozzle for FRV 30.  | <input type="checkbox"/> |
| <b>FRV 30 Me surface cleaner</b>                                    |    |             |  |                          |
| FRV 30 Me Surface Cleaner   | 58 | 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.                                   | <input type="checkbox"/> |
| Extension hose FRV 30 Me and FRV 50 Me                              | 59 | 4.441-040.0 | 5 m extension hose for FRV 30 Me. Includes connecting adapter.   | <input type="checkbox"/> |
| <b>FOAM SYSTEMS</b>   |    |             |  |                          |
| <b>Cup foam lance</b>   |    |             |  |                          |
| Cup foam lance Advanced 3, 900 l/h - 2500 l/h                       | 60 | 4.112-065.0 | Specially designed for use with aggressive cleaning agents: High-quality cup foam lance Advanced 3 with spray angle adjustment and Ecobross for high-pressure cleaners from Kärcher.   | <input type="checkbox"/> |
| Cup foam lance DUO Advanced 3, 900 l/h - 2500 l/h                   | 61 | 4.112-069.0 | DUO Advanced 3 cup foam lance, designed for use with aggressive detergents. With instant switching to high-pressure cleaning, spraying angle adjustment and two-litre tank.  | <input type="checkbox"/> |
| Cup foam lance Basic 3, 900 l/h - 2500 l/h                          | 62 | 4.112-055.0 | 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.                                    | <input type="checkbox"/> |
| 1-litre cleaning agent container for cup foam lance basic           | 63 | 5.071-414.0 | For the quick change of the cleaning agent: Additional 1 litre cleaning agent container for basic foam lance (2.112-053.0, 2.112-054.0 and 2.112-055.0).   | <input type="checkbox"/> |
| 1-litre cleaning agent container for cup foam lance advanced        | 64 | 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).  | <input type="checkbox"/> |
| <b>Inno Foam Kit</b>  |    |             |  |                          |
| Inno Foam Set with detergent injector                               | 65 | 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"/> |
| <b>Easy Foam Set</b>  |    |             |  |                          |
| Easy Foam Set with RM injector                                      | 66 | 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"/> |
| <b>Nozzle kits for Inno/Easy Foam Set</b>                           |    |             |  |                          |
| Nozzle kit 090 for Inno / Easy Set 700-1,000 l/h                    | 67 | 2.111-019.0 | 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 attachment kit  | 68 | 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"/> |
| <b>MIXERS AND INJECTORS</b>   |    |             |  |                          |
| <b>Cleaning agent injector</b>                                      |    |             |  |                          |
| Cleaning agent injector for high and low pressure (without nozzles) | 69 | 4.637-032.0 | Detergent injector for independent high and low pressure dosage. Maximum dosage about 15%.   | <input type="checkbox"/> |
| Cleaning agent injector for high pressure (without nozzle)          | 70 | 4.637-033.0 | Cleaning agent dosage at high pressure 3 - 5 %   | <input type="checkbox"/> |

Available accessories.

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### 1.524-954.2



|   |    | Order no.   | Description   |                          |
|---|----|-------------|---|--------------------------|
| <b>MIXERS AND INJECTORS</b>                                     |    |             |   |                          |
| <b>Machine-specific nozzle kit with order no. 4.637-033.0</b>   |    |             |   |                          |
| Nozzle kit 750-1000 l/h   | 71 | 4.769-011.0 | For HD/HDS 750 - 1000 l/h. Consists of nozzle insert + HP power nozzle + union  | <input type="checkbox"/> |
| <b>Nozzle insert with order no. 4.637-032.0</b>                 |    |             |   |                          |
| Nozzle insert up to 1,100 l/h - high pressure                   | 72 | 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"/> |
| Nozzle insert up to 1,100 l/h - low pressure                    | 73 | 4.769-001.0 | For low pressure with machines up to 1.100 l/h  | <input type="checkbox"/> |
| <b>QUICK CONNECT</b>  |    |             |   |                          |
| Quick coupling  | 74 | 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 × 1.5 internal thread.         | <input type="checkbox"/> |
| Male coupling   | 75 | 2.115-001.0 | Hardened stainless steel male coupling for quick coupling 2.115-000. With M 22 × 1.5 external thread.   | <input type="checkbox"/> |
| <b>DRUM AND TANK CLEANING</b>                                   |    |             |   |                          |
| Add-on kit mud sucker   | 76 | 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.             | <input type="checkbox"/> |
| <b>OTHER HP ACCESSORIES</b>                                     |    |             |   |                          |
| Jet gun   | 77 | 2.869-067.0 | Short set-up time, easy transport, instant switch off - the jet gun is the affordable cleaning method for all kinds of small to medium-sized areas. Adjustable pressure/water volume. | <input type="checkbox"/> |
| <b>COUPLING PARTS</b>   |    |             |   |                          |
| <b>Rotary coupling</b>  |    |             |   |                          |
| Rotary coupling   | 78 | 4.111-021.0 | Reliably prevents twisting of HP hoses. Connection Easy!Lock. Handle protection   | <input type="checkbox"/> |
| <b>Connector</b>  |    |             |   |                          |
| Screw socket for surface cleaners and Servo Control controllers | 79 | 4.111-022.0 | For attaching high-pressure nozzles and accessory parts to the HD trigger gun (with nozzle screws) - 1 × M 22 × 1.5/1 × M 18 × 1.5.   | <input type="checkbox"/> |
| Y distributor   | 80 | 4.111-024.0 | Offers the option to connect two spray units to the machine. Installation on the high pressure outlet.  | <input type="checkbox"/> |
| Short spray unit  | 81 | 4.111-038.0 | For attaching high-pressure nozzles and accessory parts to HP trigger gun (with nozzle screws). Not compatible with triple nozzles.   | <input type="checkbox"/> |
| <b>EASY!Lock adapter</b>  |    |             |   |                          |
| Adapter 1 M22AG-TR22AG  | 82 | 4.111-029.0 | Adapter 1 to connect the old hose with the new hose   | <input type="checkbox"/> |
| Adapter 2 M22IG-TR22AG  | 83 | 4.111-030.0 | Adapter 2 to connect the old device with the new hose and the old gun with the new hose   | <input type="checkbox"/> |
| Adapter 3 M22IG-TR22AG  | 84 | 4.111-031.0 | Adapter 3 to connect the old gun with the new spray lance and new servo regulator   | <input type="checkbox"/> |

Available accessories.



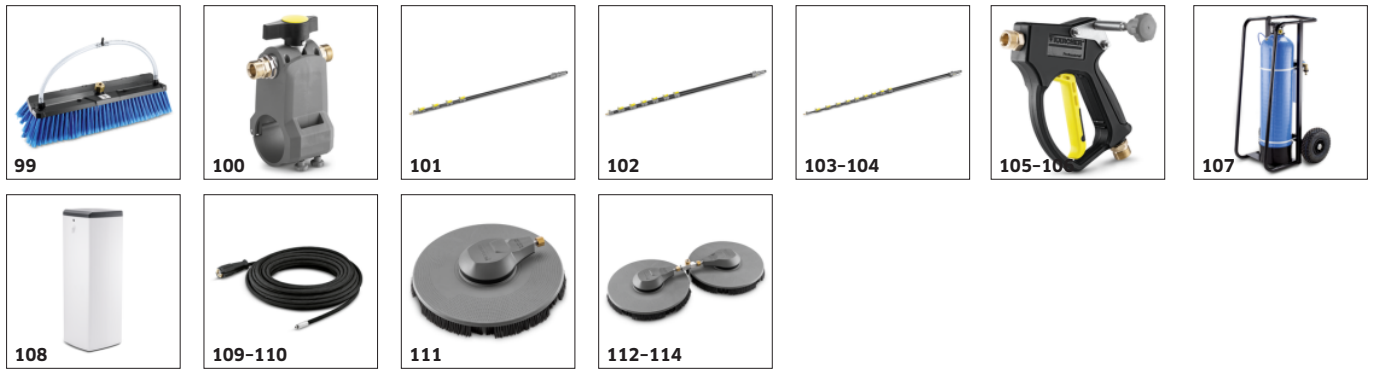
## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2



|   |    | Order no.   | Description   |                          |
|---|----|-------------|---|--------------------------|
| <b>COUPLING PARTS</b>                                     |    |             |   |                          |
| <b>EASY!Lock adapter</b>                                  |    |             |   |                          |
| Adapter 4 TR22IG-D11                                      | 85 | 4.111-032.0 | Adapter 4 to connect the new gun with the old swivel hose   | <input type="checkbox"/> |
| Adapter 5 TR22IG-M22AG                                    | 86 | 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  | <input type="checkbox"/> |
| Adapter 6 TR22IG-M22AG                                    | 87 | 4.111-034.0 | Adapter 6 to connect the new device with the old hose and the old hose with the new gun   | <input type="checkbox"/> |
| Adapter 7 M18IG-TR20AG                                    | 88 | 4.111-035.0 | Adapter 7 to connect the old spray lance with the new nozzle  | <input type="checkbox"/> |
| Adapter 8 TR20IG-M18AG                                    | 89 | 4.111-036.0 | Adapter 8 to connect the new spray lance with the old nozzle  | <input type="checkbox"/> |
| Adapter hose extension 9 TR                               | 90 | 4.111-037.0 | Adapter 9 to connect the new hose with the new hose   | <input type="checkbox"/> |
| Adapter 12 rotary coupling EASY!Lock 22 IG - M22 x 1.8 AG | 91 | 4.111-046.0 | Rotatable adapter for connecting EASY!Force high-pressure gun and high-pressure hoses with M 22x1.5 connection  | <input type="checkbox"/> |
| <b>FACADE AND SOLAR PANEL CLEANING</b>                    |    |             |   |                          |
| <b>Brushes</b>  |    |             |   |                          |
| Drive for roller brush 500                                | 92 | 4.762-584.0 | Hydraulic drive for rotating roller brushes. For cleaning façades or solar power installations with our professional high-pressure cleaners. Installation on spray lance or telescopic lance. | <input type="checkbox"/> |
| Splash guard for roller brush 500                         | 93 | 4.762-621.0 | Splash guard with velcro fastening for rotating roller brush. Clear view of the brush thanks to transparent film, with protection against splashes at the same time.                          | <input type="checkbox"/> |
| Roller brush 500 soft                                     | 94 | 4.762-623.0 | Soft brush attachment for use with hydraulic drive (4.762-584.0). Ideal for glass and solar power installation cleaning. Easy quick-change system and secure mounting on drive.               | <input type="checkbox"/> |
| Roller brush 500 medium                                   | 95 | 4.762-624.0 | Medium-hard brush attachment for use with hydraulic drive (4.762-584.0). Suitable for sensitive façades, foils and fabrics. Easy and safe quick-change system.                                | <input type="checkbox"/> |
| Roller brush 500 hard                                     | 96 | 4.762-625.0 | Hard brush attachment for use with hydraulic drive (4.762-584.0). For rough façades, stone and wooden patios. Safe and easy quick-change system.  | <input type="checkbox"/> |
| Brush hard  | 97 | 6.960-133.0 | Brush with hard bristles for cleaning industry facades and floor coverings and removing coarse dirt. Simple installation on telescopic lances or high-pressure lances from Kärcher.           | <input type="checkbox"/> |
| Brush medium  | 98 | 6.960-134.0 | Optimally cleans facades, roller shutters and textile fabrics: the brush with medium-hard bristles for fast and simple attachment to telescopic lances or high-pressure lances from Kärcher.  | <input type="checkbox"/> |

Available accessories.

## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2



|  | Order no. | Description |  |                          |
|--|-----------|-------------|--|--------------------------|
| <b>FACADE AND SOLAR PANEL CLEANING</b> |           |             |  |                          |
| <b>Brushes</b>                         |           |             |  |                          |
| Brush soft                             | 99        | 6.960-135.0 | For simple installation on telescopic lances or high-pressure lances from Kärcher: brush with soft bristles for deep cleaning of sensitive surfaces such as glass or solar systems.                    | <input type="checkbox"/> |
| iSolar 800 Advanced                    | 100       | 6.368-094.0 | iSolar 800 water-driven brush head, 800 mm wide, for water flow rates of 700-1,000 l/h. With two contra-rotating disc brushes and flexible angle joint. For photovoltaic systems.                      | <input type="checkbox"/> |
| iSolar 400 Advanced                    | 101       | 6.368-092.0 | iSolar 400 brush for water flow rate of 700-1,000 l/h. The water-driven disc brush with a width of 400 mm cleans small to medium-sized photovoltaic systems. Also perfect for use on elevated systems. | <input type="checkbox"/> |
| <b>Telescopic lances</b>               |           |             |  |                          |
| TL low pressure adapter                | 102       | 4.580-097.0 | TL low-pressure adapter comprising ball valve for tool-free installation on telescopic lances. Ideal for applications with rotating high-pressure brushes.   | <input type="checkbox"/> |
| Telescopic lance TL 7 F                | 103       | 4.762-609.0 | Telescopic lance TL 7 F with up to 7 m reach made from robust and lightweight glass fibre. With practical quick-release fasteners for simple retraction and extension.                                 | <input type="checkbox"/> |
| Telescopic lance TL 7 H                | 104       | 4.762-610.0 | Multifunctional hybrid telescopic lance TL 7 H made of rigid and lightweight carbon-glass fibre mix. Telescopic thanks to quick-release fastenings. Up to 7 m reach.                                   | <input type="checkbox"/> |
| Telescopic lance TL 10 H               | 105       | 4.762-611.0 | Up to 10 m reach: hybrid telescopic lance TL 10 H. Comprising carbon-glass fibre mix and suitable for multifunctional use. Simple retraction and extension thanks to quick-release fasteners.          | <input type="checkbox"/> |
| Telescopic lance TL 10 C               | 106       | 4.762-612.0 | Carbon fibre telescopic lance TL 10 C. With up to 10 m reach and practical quick-release fasteners. Multifunctional use for cleaning facades, windows or solar panels.                                 | <input type="checkbox"/> |
| Telescopic lance TL 14 C               | 107       | 4.762-613.0 | Maximum rigidity with minimum weight: telescopic lance TL 14 C made from carbon fibre. Enormous reach of 14 m, multifunctional use and easy to use thanks to quick-release fasteners.                  | <input type="checkbox"/> |
| TL high pressure adapter               | 108       | 4.775-154.0 | TL high-pressure adapter, flexible high-pressure gun for high-pressure cleaning with telescopic lances. Ergonomic, easy to install, suitable for right- and left-handed individuals.                   | <input type="checkbox"/> |
| <b>Water softening</b>                 |           |             |  |                          |
| WS 50                                  | 109       | 6.368-463.0 | The mobile WS 50 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.           | <input type="checkbox"/> |
| WS 100                                 | 110       | 6.368-464.0 | The mobile WS 100 water softening unit prevents lime residue from forming on cleaned surfaces. This is achieved by an ion-exchange resin that removes the dissolved limescale from the water.          | <input type="checkbox"/> |
| WS Regenerator                         | 111       | 6.368-465.0 | With the WS Regenerator regeneration system, the softening cartridges of the water softening units WS 50 and WS 100 can be backflushed and regenerated at the push of a button.                        | <input type="checkbox"/> |
| <b>Hoses</b>                           |           |             |  |                          |
| iSolar HP hose 7                       | 112       | 6.392-978.0 | High-quality, flexible HP hose (with rubber covering) for the iSolar TL 7. The outer layer has especially good sliding properties when extending and retracting the telescopic rod.                    | <input type="checkbox"/> |

Available accessories.

## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2



|   | Order no. | Description |  |
|---|-----------|-------------|--|
| <b>FACADE AND SOLAR PANEL CLEANING</b>                              |           |             |  |
| <b>Hoses</b>  |           |             |  |
| iSolar HP hose 10   | 113       | 6.392-977.0 | High-quality, flexible HP hose (with rubber covering) for the iSolar TL 10. The outer layer has especially good sliding properties when extending and retracting the telescopic rod. <input type="checkbox"/>      |
| iSolar HP hose 14   | 114       | 6.392-976.0 | High-quality, flexible HP hose (with rubber covering) for the iSolar TL 14. The outer layer has especially good sliding properties when extending and retracting the telescopic rod. <input type="checkbox"/>      |
| <b>Attachment kits and adapters</b>                                 |           |             |  |
| iSolar fall protection  | 115       | 6.988-152.0 | Certified personal security system for rooftop work. Contents: Travelling fall arrestor with shock absorber and 15 m kernmantle rope, harness, anchoring sling and sheet steel case. <input type="checkbox"/>      |
| <b>WET BLASTING ATTACHMENT</b>                                      |           |             |  |
| <b>Wet blasting attachment (without nozzle)</b>                     |           |             |  |
| Wet blasting attachment with flow control (without nozzles)         | 116       | 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) | 117       | 4.115-006.0 | Addition of spray agent to the high pressure jet. For paint stripping, rust removal and descaling. Assembly on spray lance instead of high-pressure nozzle. Without water flow regulation <input type="checkbox"/> |
| <b>Nozzle kits for wet jet unit</b>                                 |           |             |  |
| Nozzle kit for wet jet unit 050                                     | 118       | 2.112-023.0 | 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. <input type="checkbox"/>         |
| <b>Boron carbide nozzle</b>   |           |             |  |
| Boron carbide nozzle, for machines up to 1,000 l/h                  | 119       | 6.415-084.0 | In addition to nozzle packs. Very wear-resistant nozzle with boron carbide chuck for continuous-duty operation. <input type="checkbox"/>   |
| <b>ADD ON KITS</b>  |           |             |  |
| <b>Retro-fit HD-Trailer</b>   |           |             |  |
| Attachment kit for high-pressure hose reel 50m                      | 120       | 2.772-051.0 | High-pressure hose reel for retrofitting Kärcher HD-trailers. Suitable for high-pressure hoses up to 50 metres long. <input type="checkbox"/>  |
| Attachment kit for front bar with guard                             | 121       | 2.772-062.0 | Robust front bar with guard for retrofitting HD trailers from Kärcher. Colour: Black. <input type="checkbox"/>   |
| Attachment kit for crane hook                                       | 122       | 2.772-063.0 | Perfect for fast loading and transportation of Kärcher HD-trailers: the retrofittable crane hook. <input type="checkbox"/>   |
| Attachment kit for tarpaulin for rear area                          | 123       | 2.772-064.0 | Sturdy tarpaulin to protect the rear of Kärcher HD-trailers. Colour: Black. <input type="checkbox"/>   |
| Add-on kit hour counter   | 124       | 2.772-067.0 | Accurate elapsed time counter for retrofitting HD trailers from Kärcher. <input type="checkbox"/>  |
| Attachment kit for 20 l fuel canister                               | 125       | 2.772-068.0 | Fuel canister with 20 litre storage volume and transport lock for retrofitting Kärcher HD-trailers. <input type="checkbox"/>   |
| Attachment kit for flashing beacon                                  | 126       | 2.772-076.0 | Prominent flashing beacon for better visibility. For retrofitting HD trailers from Kärcher. <input type="checkbox"/>   |

Available accessories.

## ACCESSORIES FOR HD 9/23 DE TR1

### 1.524-954.2



|  | Order no. | Description |   |
|--|-----------|-------------|---|
| <b>ADD ON KITS</b>   |           |             |   |
| <b>Retro-fit HD-Trailer</b>                                  |           |             |   |
| Add-on kit ram protection                                    | 127       | 2.772-077.0 | Very robust impact protection for retrofitting HD trailers from Kärcher. <input type="checkbox"/>   |
| Add-on kit damper  | 128       | 2.772-078.0 | Protective dampers for retrofitting HD trailers from Kärcher. <input type="checkbox"/>  |
| Add-on kit covering cap motor                                | 129       | 2.772-082.0 | Cover for retrofitting Kärcher HD trailers. Protects the diesel or petrol engine, as well as the high-pressure pump of the high-pressure cleaner, during the journey. <input type="checkbox"/>                                    |
| <b>WATER CONNECTION</b>                                      |           |             |   |
| <b>Geka coupling</b>   |           |             |   |
| Geka connector with hose barb, R 3/4"                        | 130       | 6.388-455.0 | with hose liner <input type="checkbox"/>  |
| Geka connector with internal thread, R 1"                    | 131       | 6.388-458.0 | with female thread <input type="checkbox"/>   |
| <b>Suction filter</b>  |           |             |   |
| Water suction filter   | 132       | 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 <input type="checkbox"/>                                       |
| Suction filter with check valve                              | 133       | 4.730-012.0 | Brass suction filter suitable for ponds, storage tanks, etc. With check valve. <input type="checkbox"/>   |
| <b>Water fine filter</b>                                     |           |             |   |
| Universal water fine filter, 25 µm                           | 134       | 2.637-020.0 | Water fine filter, mesh size 25 µm, max. temperature 50 °C. Protects the machine from small dirt particles in the water. Water volume up to 1200 l/h. 3/4" connection, with 1" adapter. <input type="checkbox"/>                  |
| Water fine filter, with adapter                              | 135       | 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"/> |
| <b>Water supply hose</b>                                     |           |             |   |
| Water supply hose  | 136       | 4.440-038.0 | NW 13 R1" / R 3/4", up to 30 °C <input type="checkbox"/>  |
| <b>WASHING BRUSHES</b>                                       |           |             |   |
| <b>Push-on washing brush</b>                                 |           |             |   |
| Push-on wash brush   | 137       | 4.113-001.0 | For universal use for surface cleaning. Mounted using clamp directly at the spray lance. TR thread connection <input type="checkbox"/>  |
| <b>Rotating washing brush</b>                                |           |             |   |
| Rotating wash brush for < 1000 l/h machines, nylon bristles  | 138       | 4.113-004.0 | The rotating wash brush gently removes fine dust and traffic film from all surfaces. Temperature resistant up to 60°C. (M 18 × 1.5, replaceable brush insert). <input type="checkbox"/>   |
| Rotating wash brush for < 800 l/h machines, natural bristles | 139       | 4.113-003.0 | Driven by water stream. Gently removes fine dust and traffic film from any surface. Temperature resistant up to 60°C, M 18 × 1.5 (replaceable brush insert). <input type="checkbox"/>   |
| <b>DRY ICE CLEANING</b>                                      |           |             |   |
| <b>Mounting kits and other accessories</b>                   |           |             |   |
| Case for nozzles and accessories                             | 140       | 6.421-355.0 | Storage case for spray nozzles can simply be attached to the back of the IB 15/120 with clips. Nozzle case height 120 mm. <input type="checkbox"/>  |

Available accessories.

## ACCESSORIES FOR HD 9/23 DE TR1 1.524-954.2



141

|   | Order no. | Description  |                          |
|---|-----------|--|--------------------------|
| <b>ULTRA-HIGH-PRESSURE CLEANERS</b>     |           |  |                          |
| <b>High-pressure hoses</b>              |           |  |                          |
| Pressure hose, 30 m, 620 bar, M22 × 1.5 | 141       | 6.391-019.0 Durable, abrasion-resistant and flexible multi-layer steel-reinforced hose with connection size M 22 × 1.5. Suitable for up to 620 bar working pressure. | <input type="checkbox"/> |

Available accessories.