

Twinhammer™ Bonded Air/Water Jackhammer Hose System

Series 7084



Wet Method Hose System to Comply with the OSHA Respirable Crystalline Silica (RCS) Standard

Parker Series 7084 Twinhammer Hose is the first factory-assembled dual hose system that delivers both air and water in a single, unitized configuration for silica dust suppression in pneumatic jackhammer applications. Twinhammer Hose is a safe and efficient way to comply with the OSHA standard.

The twin line hose system:

- transfers air to power heavy duty pneumatic jackhammers/breakers
- transfers water to suppress silica dust produced by tool operation
- helps create a safer and more efficient work environment

Twinhammer hose assemblies feature durable abrasion resistant and chemically bonded lines for easy handling. The design eliminates the need for intrusive clamps, straps, tape or zip ties used to cobble together a makeshift harness for independent air and water hoses. The assemblies incorporate universal end styles for quick connection/disconnection to the air supply, and rust resistant brass male NPT couplings for easy attachment to the water supply and spray nozzle.



Twinhammer Hose Value

- **Easy handling and installation**
Bonded lines are permanently and continuously joined. No improvised field attachment or maintenance of clamps, straps or zip ties that loosen, get snagged, kink hose and become potential safety hazards.
- **Quick identification via color-coded hoses**
 - Red 3/4" 300 psi hose for air
 - Blue 3/8" 300 psi hose for water spray/dust suppression
- **Secure, maintenance-free connections with permanent crimp couplings**



ENGINEERING YOUR SUCCESS.

Series 7084 Twinhammer™ Air/Water Hose Assemblies

| | |
|-----------------------|---|
| Tube: | Black EPDM |
| Reinforcement: | Multiple textile plies |
| Cover: | Air Hose: Red EPDM Water Hose: Blue EPDM |
| Temp Range: | 40°F to +212°F (-40°C to +100°C) |
| Brand Method: | Air Hose: White ink Water Hose: No brand |
| Brand Example: | PARKER SERIES 7084 300 PSI MAX WP MADE IN USA (DATE CODE) |
| Applications: | Wet method dust suppression hose system for pneumatic jackhammers |
| Couplings: | Air Hose: Crimped carbon steel universal each end Water Hose: Crimped brass 3/8" x 3/8" rigid male NPT each end |
| Packaging: | Coiled and tied, no center disc; cartons |



| # Part Number | Hose Color | ID (in) | ID (mm) | Reinf Layers | OD (in) | OD (mm) | Approx Wt (lbs/ft) | Approx Wt (kg/m) | Length (ft/ea) | Length (m/ea) | Max WP (psi) | Max WP (bar) | Std Pack Qty (ea) | Pkg Type |
|------------------|------------|---------|---------|--------------|---------|---------|--------------------|------------------|----------------|---------------|--------------|--------------|-------------------|----------|
| 7084JHT75-600 | Red | 3/4 | 19.1 | 2 | 1.16 | 29.4 | 26.7 | 39.78 | 50 | 15.2 | 300 | 21 | 1 | Carton |
| | Blue | 3/8 | 9.5 | 2 | 0.66 | 16.7 | | | | | | | | |
| 7084JHT75-600B | Red | 3/4 | 19.1 | 2 | 1.16 | 29.4 | 26.7 | 39.78 | 50 | 15.2 | 300 | 21 | 15 | Carton |
| | Blue | 3/8 | 9.5 | 2 | 0.66 | 16.7 | | | | | | | | |

Note: Air hose is rated to 300 psi maximum working pressure. Finished hose assembly is rated to 150 psi due to limitation of the industry preferred fitting end style/connection.

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Jackhammer Hose Spray Kit

The Parker jackhammer hose spray kit provides an engineered transfer of water from the supply hose to the jackhammer bit. The kit is easy and convenient to install and provides efficient and consistent water angle, distance, flow and spray pattern for effective silica dust control. *The kit can be used as part of an OSHA-compliant wet method hose system for silica dust suppression.*

The kit includes the hardware and attachment components to apply to many models and generations of jackhammers*:

- Couplings/connectors
- Thread tape
- Jumper hose
- Water valve
- Shims
- Water nozzle
- Straps
- Installation instructions

*Twinhammer Hose Assembly ordered separately



| # Part Number | Individual Carton Dimensions (in) | Approx Wt (lbs/kit) | Approx Wt (kg/kit) | Std Pack Qty (ea) | Pkg Type |
|------------------|-----------------------------------|---------------------|--------------------|-------------------|----------|
| 7084JHT75-KIT | 10" x 10" x 3" | 4 | 1.35 | 3 | Carton |

Packaging: Unit of measure = 1 kit, individually boxed (3 kits per master carton).

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

OSHA Standard for Construction, Maritime and General Industry

Respirable Crystalline Silica (RCS) Standard for Jackhammer Operation

The U.S. Occupational Health and Safety Administration (OSHA) has created a standard to address the problem of crystalline silica dust control associated with pneumatic jackhammer and breaker operation.

A wet method suppression system is a compliant solution suggested by industry practices and government research. However, some hose-oriented deployment methods may be less efficient and less effective than others:

1) Manual Water Spraying Using a Helper

- A two-person job where a helper holds a water hose with a nozzle and sprays water at the locus of the jackhammer tip and work object
- *Efficiency is diminished by requiring two workers*
- *Effectiveness is reduced by inconsistent water angle, distance, flow and spray pattern*

2) Independent and Unconnected Air and Water Hose Lines

- Hoses typically use bands or clamps to attach fittings
- *Effectiveness is hampered by requiring the operator to take time to regularly inspect the security of the fittings*
- *Operator must maneuver independent hoses around debris, equipment and other obstacles to avoid hose damage and kinking*

3) Independent and Mechanically Connected Air and Water Hose Lines

- Hoses typically use bands or clamps to attach fittings
- Apply zip ties, straps, tape or other connectors at multiple intervals along the lengths of both hoses to mechanically connect them
- *Effectiveness is hampered by requiring the jackhammer operator to devote attention, effort and time to:*
 - *Select, procure and apply zip ties, straps or tape to hoses,*
 - *Regularly inspect the security of the fittings and attachment components, and*
 - *Maneuver hoses whose zip ties, straps, tape and gaps between the hoses may become snagged by debris, equipment and other obstacles at the jobsite, becoming potential safety hazards*

INEFFICIENT APPROACHES



Tape hoses together



Zip tie or strap hoses together

Further Information Regarding the OSHA Standard

Jackhammer operation can release into the air a form of quartz known as respirable crystalline silica (RCS), a substance found in bricks, clay, concrete, mortar, rock, stone and many other materials common to construction sites. RCS can embed in the lungs of unprotected workers, causing serious, even debilitating health

issues or death from conditions such as lung cancer, chronic obstructive pulmonary disease (COPD), kidney disease or silicosis. Refer to *OSHA's Final Rule to Protect Workers from Exposure to Respirable Crystalline Silica*. For additional information visit OSHA's website and the Code of Federal Regulations (CFR).

The System Solution

Use the Parker Twinhammer Hose Assembly and Jackhammer Hose Spray Kit

- Easy to install
- Efficient
- Effective
- Part of an OSHA-compliant design



RCS Standard/Applicable Industries

Employers in Construction, Maritime and General Industry must comply with requirements of the OSHA RCS Standard. Employers must either fully and properly implement Table 1* requirements or implement alternative exposure control measures, and comply with requirements for hazard communication, housekeeping, medical surveillance, recordkeeping, respiratory protection and training.

* See the Table as provided in the OSHA Standard. The Table also is available in Parker's Summary Guide to the OSHA Rule (see below).

OSHA Enforcement/Penalties

OSHA vigorously enforces the RCS standard. Employers may also be subject to citation for violations in other areas during the same site inspection.

OSHA's maximum penalties, which were last adjusted in 1990, have increased by 81%. Going forward, the agency will continue to adjust its penalties for inflation each year based on the Consumer Price Index.

| Type of Violation | 2018 Penalty |
|----------------------|--|
| Serious | \$12,934 per violation |
| Other-Than-Serious | \$12,934 per violation |
| Posting Requirements | \$12,934 per violation |
| Failure to Abate | \$12,934 per day beyond the abatement date |
| Willful or Repeated | \$129,336 per violation |

Learn More

The Parker Summary Guide outlines the scope of the OSHA Rule and how it may affect a wide variety of stakeholders in the construction industry.

The Summary Guide and other detailed information about RCS and the new OSHA Standard are available from solutions.parker.com/twinhammer.



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