Eaton Aeroquip
Fluid conveyance solutions for construction equipment

Keeping your workflow fluid

EATON
Powering Business Worldwide
We’ve got you covered

Lower maintenance needs, safer operations and longer lifecycles help to improve efficiency, maintenance and downtime costs even in the most demanding applications. Eaton’s new generation of Fluid conveyance products help to fulfill your customers’ needs to build smaller, more powerful and more effective machines. Eaton offers a complete line of hydraulic and fluid transfer hoses, quick disconnect couplings, swivel joints, adapters and tube fittings, custom tubes and accessories.

### Loader bucket cylinders
- **Hose** - GH425/GH466/EC881B
- **Adapters** - Tube Fittings ISO 6149 3,000-6,000 psi
- **Hose Fittings** - DKOL/DKOS

### Hyd. Return/Fuel
- **Hose** - EC115/GH681/GH585
- **Adapters** - Tube Fittings STC
- **Hose Fittings** - DKOL/DKOS/STC

### Hyd. Pump supply/suction
- **Hose** - GH180
- **Adapters** - Tube Fittings Code 61/62 Flange
- **Hose Fittings** - DKOL/DKOS/ Code 61/62 Flange

### Hyd. Steering
- **Hose** - FC254
- **Adapters** - Tube Fittings STC
- **Hose Fittings** - DKOL/DKOS/STC

### Hyd. Brake valve
- **Hose** - EC215/EC881/EC115/GH681
- **Adapters** - Tube Fittings/STC
- **Hose Fittings** - DKOL/DKOS/STC

### Implement valve supply
- **Hose** - EC215/EC881/EC115/GH681
- **Adapters** - Tube Fittings STC
- **Hose Fittings** - DKOL/DKOS/STC

### Attachments & accessories
- **Hose** - FC849B, GH493
- **Quick Disconnect Couplings** - FF, HK
- **Hose Fittings** - DKOL/DKOS & WALPRO/WALFORM
- **Protective Sleeve** - FC425

### Boom, bucket, dipper stick
- **Hose** - GH425/GH466/EC881B
- **Adapters** - Tube Fittings
- **Hose Fittings** - DKOL/DKOS
- **Hose Abrasion Sleeve, Coils, Clamps & Spacers**
Eaton Snap to connect threadless connectors

The broadest range of threadless connectors in the industry! Eaton’s patented technology has been extremely successful in various rigorous construction applications. Rated Pressure: Up to 345 bar.

Eaton quick disconnect couplings

Eaton’s redesigned Advanced Flat Face (FF) Coupling Series provides greater performance at higher pressures and with up to 25% improved flow rates, this newly designed FF coupling can reduces fuel and energy consumption significantly. These couplings have up to 400 bars pressure, and up to 74% higher flow rates than ISO 16028 standard couplings. Corrosion resistance up to 1000 hours combined with Eaton’s complete range of end connections and color-coded seal rings for easy identification to help reduce the chance of line crossing and contamination, makes these FF couplings a perfect fit for our customers.

Mini Excavator

Boom, bucket, dipper stick
- Hose - EC881B/FC849B
- Adapters - Tube Fittings
- FHose Fittings - DKOL/DKOS
- Hose Abrasion Sleeve, Coils, Clamps & Spacers

Hyd. Return/Fuel
- Hose - EC115/GH681/GH585
- Adapters - Tube Fittings STC
- Hose Fittings - DKOL/DKOS/STC

Hyd. Pump supply/suction
- Hose - Suction FC619
- Adapters - Tube fittings
- Hose Fittings - DKOL/DKOS/Code 61/62 Flange

Hydrostatic drive
- Hose - EC850
- Adapters - Tube Fittings Code 61/62 Flange
- Hose Fittings - DKOL/DKOS
- Protective Sleeve - FC425

Implement Valve, Seerin, Brake, Work C
- Hose - EC215/EC881/EC115/GH681
- Adapters - Tube Fittings STC
- Hose Fittings - DKOL/DKOS/STC
Through the Cover – non skive, one piece fittings for Braided and Spiral hoses

These new (TTC) Through-The-Cover one-piece fittings are qualified with virtually all Eaton premium Aeroquip® hydraulic hoses, offering the easy interchangeability of one socket per size. The new design uses of non-brazed one piece nipples eliminated potential failure mode, resulting in class zero leakage SAE J1176 on approved hose styles. Furthermore the captive nuts are available for protection of over torqueing during installation on select part numbers. Over 550 part numbers available with a wide variety of metric and imperial threaded terminal ends.

Dura-Kote™ plating technology on Eaton Aeroquip TTC global fittings

Dura-Kote™ plating technology is rated up to 1,000 hours of corrosion resistance, over exceeding SAEJ514 requirements. With this new coating technology TTC hose fittings offer significantly higher corrosion protection on carbon steel fittings as compared to competitive hose fittings. Eaton’s Dura-Kote™ plating is an environmentally friendly “Greener” plating solution; Nickel-free, Solvent-free and Meets Global RoHS, ELV and REACH requirements. There are also no compatibility issues when using existing metal parts with current plating and parts with the new Dura-Kote plating, offering much higher corrosion protection.

Skid Steer Loader

Hyd. Return/ Fuel
- Hose - EC215/EC881/EC115/GH881
- Adapters - Tube Fittings/STC
- Hose Fittings - DKOL/DKOS/STC

Hydrostatic drive
- Hose - EC850
- Adapters - Tube Fittings Code 61/62 Flange
- Hose Fittings - DKOL/DKOS/Code 61/62 Flange

Loader bucket cylinders
- Hose - GH180
- Adapters - Tube Fittings
- Hose Fittings - DKOL/DKOS

Attachments & accessories
- Hose Fittings - DKOL/DKOS & WALPRO/WALFORM
- Hose Abrasion Sleeve, Coils, Clamps & Spacers

Implement Valve, Steering, Brake, Work Circuits
- Hose - EC881B
- Adapters - Tube Fittings STC
- Hose Fittings - DKOL/DKOS/STC

Hyd. Pump supply/suction
- Hose - EC115/GH881/GH585
- Adapters - Tube Fittings SAE ORB
- Hose Fittings - DKOL/DKOS

Dura-Kote™ plating technology on Eaton Aeroquip TTC global fittings

Dura-Kote™ plating technology is rated up to 1,000 hours of corrosion resistance, over exceeding SAEJ514 requirements. With this new coating technology TTC hose fittings offer significantly higher corrosion protection on carbon steel fittings as compared to competitive hose fittings. Eaton’s Dura-Kote™ plating is an environmentally friendly “Greener” plating solution; Nickel-free, Solvent-free and Meets Global RoHS, ELV and REACH requirements. There are also no compatibility issues when using existing metal parts with current plating and parts with the new Dura-Kote plating, offering much higher corrosion protection.
Innovations

Eaton’s new GH001 EverCool™ mobile air-conditioning hose

The Eaton® GH001 EverCool™ mobile air-conditioning (A/C) hose is designed to take the heat and go the distance, with industry-leading features like near-zero permeation, a tighter bend radius and the widest temperature range in its class. The Eaton GH001 EverCool™ mobile A/C hose is an SAE J2064 Type E hose that’s setting an entirely new standard for performance, flexibility and durability. Plus, the GH001 EverCool™ hose is qualified with several refrigerants and refrigerant oils including the emission-reducing R1234yf, helping you meet a variety of air-conditioning applications, industry and environmental requirements with a single, versatile hose. With the GH001 EverCool™ hose, you can help customers meet productivity goals and sustainability guidelines with ease.

Eaton’s new generation of high performing braided hoses qualified up to one million impulse cycle

Eaton Aeroquip Dynamax EC881 two-wire braided and Eaton Aeroquip Machmate GH681 one-wire braided hydraulic hoses are industry-leading in performance. These new generation high performance hoses are qualified to one million impulse cycles with eight times better abrasion and +26% higher temperature qualifications. Furthermore, the Dynamax EC881 hydraulic hose offers a 50% more flexible bending radius and 35% more pressure tolerance, up to 360 bars*. Choose these outstanding Eaton high performance hoses to ensure your customers reach their productivity goals with decreased maintenance needs and increasing the level of safety.

* Compared to standard EN857 Type 2SC hoses

Application Engineered system solutions (ESS)

Eaton ESS Application team is a unique resource that works with your engineers to optimize a hydraulic solution to meet your needs. From a single component to a complete system solution we are there to support your solution and prototype needs.

Eaton and the Application Engineering Team are ready to help you to get the job done right the first time and every time.

Please contact your Eaton Sales representative to get the Application Engineering Team Integrated.
| Backhoe loader | TH | Implement Valve, Steering, Brake, Work Circuits | TH | Hydraulic Return/Fuel | TH | Hydraulic Pump Inlet | TH | Hydraulic Implements/Attachments | TH | Boom, Bucket & Dipper Stick Cylinders | TH | Diagnostics | TH |
| Backhoe loader | TH | Pump Supply | GH425/GH506/GH466 EC215/EC881 | * | * | * | EC215/EC881 EC115/GH681 | * | * | * | FF IA, W36000 | * | * | * |
| Skid steer loader | TH | Pump Supply | GH425/GH506/GH466 EC215/EC881 | * | * | * | EC215/EC881 EC115/GH681 | * | * | * | FF IA, W36000 | * | * | * |
| Mini-excavator | TH | Pump Supply | GH425/GH506/GH466 EC215/EC881 | * | * | * | EC215/EC881 EC115/GH681 | * | * | * | FF IA, W36000 | * | * | * |
| Excavator | TH | Pump Supply | GH506/GH466 | * | * | * | EC215/EC881 EC115/GH681 | * | * | * | FF IA, W36000 | * | * | * |
| Motor grader | TH | Pump Supply | GH506/GH466 | * | * | * | EC215/EC881 EC115/GH681 | * | * | * | FF IA, W36000 | * | * | * |
# PAE technical solution

<table>
<thead>
<tr>
<th>Hose Type</th>
<th>To do</th>
<th>Hose End Connections</th>
<th>Hose End Connections Details</th>
<th>Low Pressure (Textile)</th>
<th>Medium Pressure (1-Wire Braid)</th>
<th>High Pressure (2-Wire Braid)</th>
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<th>High Pressure (3-Wire Braid)</th>
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<tr>
<td>Wheel Loader</td>
<td>TH</td>
<td>DKOS according ISO 8434-1</td>
<td>CODE 61 &amp; 62 Flange High Pressure 3,000-6,000 psi (Best)</td>
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<tr>
<td>Dozers</td>
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<td>DKOL according ISO 8434-1</td>
<td>Port Adapter Connections</td>
<td>CODE 61 &amp; 62 Flange High Pressure 3,000-6,000 psi (Best)</td>
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<tr>
<td>Pavers/finishers</td>
<td>TH</td>
<td>SAE O-Ring &amp; ISO 6149</td>
<td>Quick Disconnect Couplings</td>
<td>CODE 61 &amp; 62 Flange High Pressure 3,000-6,000 psi (Best)</td>
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<tr>
<td>Accessories</td>
<td>TH</td>
<td>Hose abrasion sleeve, collars, clamps &amp; spacers</td>
<td>EZ Connections</td>
<td>CODE 61 &amp; 62 Flange High Pressure 3,000-6,000 psi (Best)</td>
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### Pump Supply

| Diagnostics | TH | F2109 | FF | FF | FF | FF | FF | FF | FF |

### Hydraulic Return/Fuel

| TH | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 |
| Pavers/finishers | TH | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 | FC619 |
| Diagnostics | TH | FF | FF | FF | FF | FF | FF | FF | FF |

### Hydraulic Implements/Attachments

| Diagnostics | TH | FF | FF | FF | FF | FF | FF | FF | FF |

### Blade Cylinders

| Diagnostics | TH | FF | FF | FF | FF | FF | FF | FF | FF |

### Diagnostics

| TH | FF | FF | FF | FF | FF | FF | FF | FF | FF |
| Pavers/finishers | TH | FF | FF | FF | FF | FF | FF | FF | FF |
| Diagnostics | TH | FF | FF | FF | FF | FF | FF | FF | FF |