

CAT® HOSE & COUPLING SOLUTIONS FOR MINING

A PERFECT CONNECTION

TAKE A CLOSER LOOK AT HOW CAT® HOSE AND COUPLING SOLUTIONS BRING VALUE TO YOUR MINE SITE



THE VALUE OF CAT HOSES & COUPLINGS

Mining is hard work and you need to maximize production and minimize repairs. So, when it comes to hydraulics, choose reliable components and timely, definitive solutions you can trust to get the job done.

Caterpillar knows the importance of reliability, which is why we've worked to develop superior hose and coupling products. With an unrivaled expertise, safety mindset, global support network, and meticulous manufacturing processes, we offer solutions across your entire fleet.

Learn more about how our hose and coupling components deliver genuine value to help you get the most out of your hydraulic systems.



THE CAT DIFFERENCE

You need reliable parts and efficient repair solutions to keep the site running according to plan. As a Cat customer, you'll reap the benefits of:

THE ONLY OEM-MADE HOSES IN THE INDUSTRY

With years of industry-leading expertise, we're able to create hose components that deliver unrivaled performance since we know exactly what it takes to get the job done.

QUICK TURNAROUND TIMES

Cat hose solutions help decrease downtime, allowing you to get back to work quickly without impacting your productivity.

SOLUTIONS FOR CAT AND MIXED-FLEET EQUIPMENT

Regardless of brand, you can use Cat hose components across your entire fleet for unrivaled performance.

RUGGED DESIGN

The design of our hose and coupling components enables them to endure tough applications. There are a few elements that make this possible:

DURABILITY

Every hose is engineered to surpass industry standards for high, medium, and low pressure. They also include spiral or braided wire reinforcements, proprietary rubber formulas, as well as a tough outer cover to resist oil, weather, and abrasion.

FLEXIBILITY

Our hoses work at half of the SAE bend radius without sacrificing extreme cold temperature flex capability. This lends itself to easier routing in tight spaces.

PROPRIETARY TOOLING & SOFTWARE

Our in-house-designed software constructs every hose assembly to exact OEM specifications, ensuring consistently precise crimps for increased safety and reliability.

ONE-PIECE COMPONENTS

Our one-piece components ensure a solid connection that remains leak-free and keeps out contaminants.

METICULOUS MANUFACTURING

Reliability is a key component in getting the job done, which is why every Cat hydraulic hose assembly is built to same-as-new specifications. Because quality goes hand-in-hand with reliability, Caterpillar uses stringent quality and cleanliness control processes to ensure excellent medium and high pressure hose production.

OUR PROCESS



We apply statistical process control to verify that every batch of rubber has been mixed to our exact specifications.



Before application, the hose is routed through a cooling chamber until it reaches a suitable temperature that prevents perforation of the hose as the high tensile strength reinforcement wire is applied.



Our couplings are forged and machined from high tensile strength steel. Then they are heat treated and plated to ensure maximum durability and corrosion resistance. Salt spray testing is in accordance with ASTM B1117.



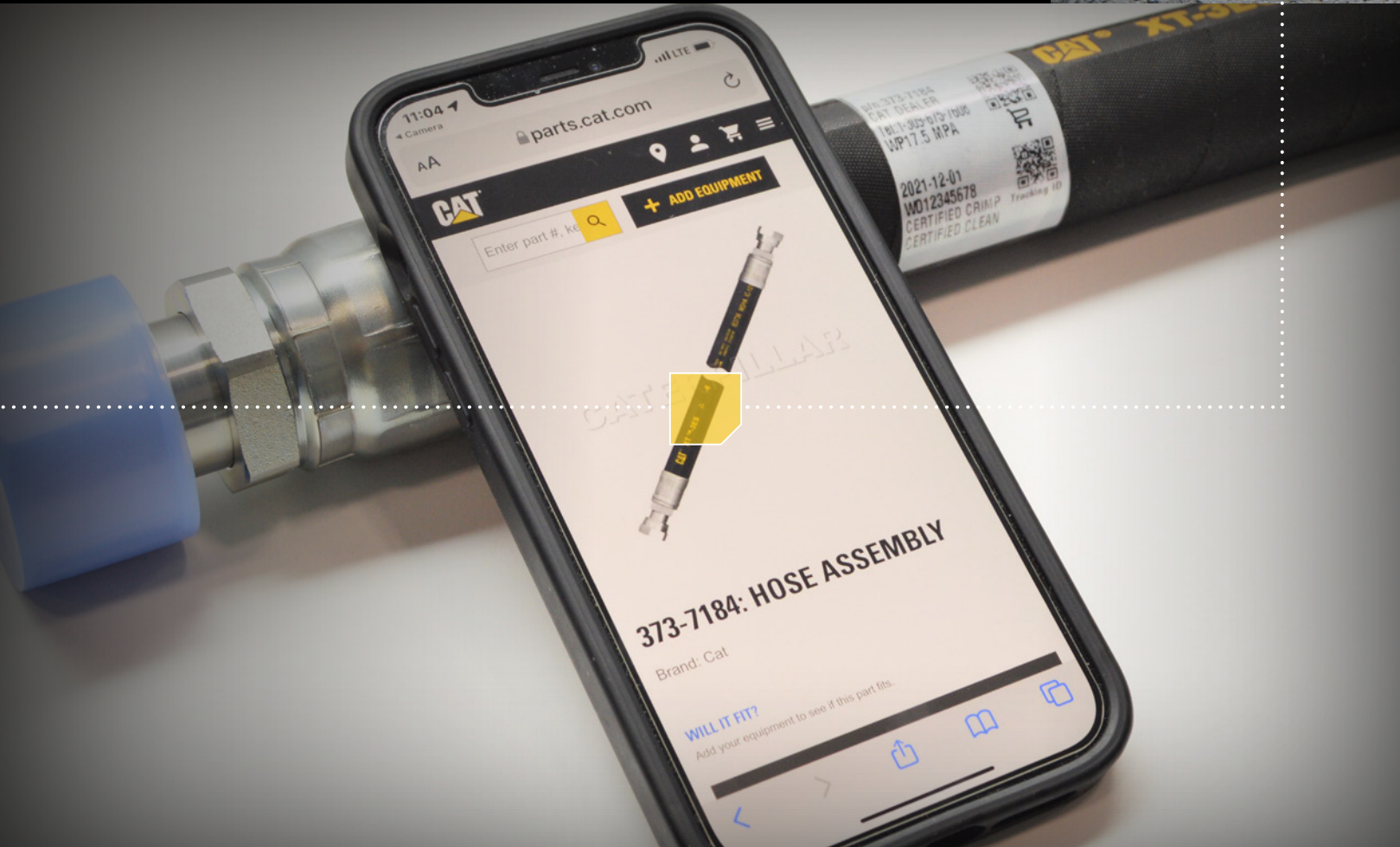
The Cat hose is carefully monitored to ensure precise inner and outer diameter measurements are maintained. This provides precise coupling retention capability.

ON-SITE SOLUTIONS

Time is money, so you can't have unplanned downtime at your mine site. You need quick, reliable repairs. Cat on-site hose containers are fully equipped container solutions, tailored to allow you to complete your own maintenance on the jobsite. The features of these workshops include:

- + Multiple sizes to choose from
- + Insulation with heating and cooling options to improve working conditions
- + A full range of Cat tooling
- + Integrated exhaust
- + Storage cabinets/shelving/work bench
- + Country compliant, CE, CSA, UL, etc.
- + Customization options available

Minimize downtime by ensuring that any machine, regardless of brand, can return to operation quickly and run at peak performance.



ONLINE SOLUTIONS

Acquiring your hoses and couplings should be one of the most timely and easy parts of your job. That's why we give you convenient means of making your next purchase.

SCAN-TO-BUY

When you scan the QR codes on your hose and coupling components, you can easily order a part you need right there on the mine site.

QR CODE

With our new Smart Labels, you'll now have instant access to important hydraulic hose information, allowing you to track your current hoses, identify when to replace them, and receive alerts when you need to reorder.

PARTS.CAT.COM

PCC provides customers with essential hose marketing and promotional information, access to the Dealer Locator, product information, and the ability to order your hose and coupling components on the go.

BRANCH SOLUTIONS

What differentiates a Cat dealer from the rest is world-class product support. When you visit your local dealer parts counter, you can purchase your hose and coupling components in store with the support of expert guidance. It's as easy as 1-2-3.

1. Tell your dealer the part number(s) of the Cat hose you need.
2. Your dealer will build an exact replacement with genuine Cat parts.
3. Fast turnaround and/or quick delivery will get your equipment back to work on the mine site.

DO-IT-MYSELF SOLUTIONS

If time is of the essence, you can assemble your own replacement hose on your site. Get all the parts, tooling, and training you'll need from your Cat dealer. Choose from four levels of crimping capacity, assembly technology, and portability to turn out a top-quality hose.

PLATINUM: CRIMPING UP TO 4"

Includes Cat Crimper Control, best for large mine equipment or a large volume of hose assemblies.

GOLD: CRIMPING UP TO 3"

Includes computer-controlled hose press with guided menus for easy operation and set up. Final crimp specifications are recorded for added safety and traceability.

SILVER: CRIMPING UP TO 3"

Offers comprehensive coverage for replacement hose assembly.

BRONZE: CRIMPING UP TO 1.25"

Covers basic requirements for smaller equipment and can be easily transported to your mine site.



MOBILE SOLUTIONS

Time is always of the essence on a mine site, so it's good to know you can rely on your Cat dealer's Mobile Hydraulic Hose Service to get you back to work on the mine site. The Mobile Hydraulic Hose Service is a well-stocked mobile hose assembly vehicle, available around the clock and driven by on-call hose experts who you can count on to get any machine in your fleet back to work. Expect the following:

- + Quality Cat hose and couplings inventory
- + Full-service tooling
- + Experienced hose assembly technician

Our experienced hose assembly technicians can handle the entire job for you, including removal, assembly, installation, and function testing. You'll get back to work fast with confidence that the job was done right.



DEALER EXPERTISE

When you buy Cat hydraulics, you also get access to a network of dedicated dealers with a "Safety First" approach. Through our development of advanced technologies and reinforcement of safety measures, our dealers have earned and maintained a global reputation for exceptional performance and reliability.



HOSE & COUPLING CUSTOMER VALUE AGREEMENT (CVA)

Investing in reliable, high-functioning hose and coupling components is critical to your mining operation and we want to help you maximize your investment.

That's where CVAs for hoses and couplings come in — a hassle-free, whole-fleet management solution for your equipment's hydraulic systems. Whichever level of service you select, your Hose and Coupling CVA will deliver maximum uptime and more convenience, all matched to the needs of your mine site.

Talk to your dealer for more information about the latest Hose and Coupling CVA options available.

The value your operation needs most – that's a CVA.



CAT HOSES & COUPLINGS SUCCESS STORIES

Between quality, reliability, and quick turnaround time, Cat hoses and couplings are valuable solutions for both Cat dealers and customers. Learn how Cat hose solutions contribute to dealer and customer operations.

"We're working on getting a hose building container and a product supply container at our shop facility. The value in having more supplies on-site keeps the guys in the shop able to stay working. By having a hose container and a parts container and getting weekly supplies from Caterpillar themselves has been a great added benefit."

COLIN GRAHAM

Equipment Manager, BDZ Construction
UNITED STATES



"The reliability of hose fixtures and couplings is some of the highest quality."

JEREMY BRADLEY

Senior Mechanic, OceanaGold
NEW ZEALAND



"The reliability of hoses, preventing hose failures, is huge. Whether it be from an environmental point of view, or from a machine health point of view, quality of hoses is a big deal."

JASON BROWN

Maintenance Superintendent, Bloomfield Group
AUSTRALIA



"Cat hose and couplings have great quality, and they have short delivery times. This is a huge gain for us, enabling us to install them in a short period of time."

THAYANARA REIS

Maintenance Worker, CSN Mineracao
BRAZIL



"It is important to use Caterpillar hoses throughout my fleet because of the ease of acquisition, the quality of the product [and] the safety that the product provides."

GERALDO DIONÍZIO

Operations Planning Coordinator, CSN Mineracao
BRAZIL



"Our customers are looking for solutions that can meet their entire fleet needs. We can manufacture products and give an ultimate performance to the customer so they last longer between changes."

ADRIAN FAIRLESS

Hose & Coupling Product Specialist, Caterpillar
UNITED KINGDOM



TOGETHER, WE'RE MINING BETTER

We're committed to helping customers mine better; whether through equipment or dealer-offered services. It's our mission to achieve the highest levels of safety, efficiency, productivity, and sustainability.

Thank you for being a Caterpillar customer. It's our pleasure to support your operation.



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