Hydraulics Brochure
Hydraulic Hose, Fittings & Equipment

www.contitech.us
Continental
WORLDWIDE. WORLD-CLASS. WORLD-CHANGING.
Continental is a world leader in industrial rubber and plastic products and has the largest global footprint of any rubber products manufacturer.

Our knowledge and expertise allow us to deliver the most innovative and highest-quality products on the market. Plus, our extensive problem-solving experience across multiple industries and applications enables us to share innovations over our entire product offering. Which means we can deliver unexpected solutions and advanced improvements in situations where others can't.

We push the boundaries of what's possible, and we're constantly solving tomorrow's most challenging problems—today and every day.

It's Why We're Your Global Partner of Choice for Industrial Fluid Solutions.
Extended Life™ XR16SC High-Pressure Hose

When the job requires tight bends, flexibility and abrasion resistance, this high-pressure hydraulic hose steps up to the task. Using a nitrile inner tube, two high-tensile steel wire braids of reinforcement and the Extended Life™ extra abrasion-resistant cover, it can handle a system working pressure up to 5,800 psi (31 MPa).

- NEW large bore sizes now available (-20, -24 & -32)
- All XR16SC sizes use B2 series fittings

Key Products
EXCEEDING HYDRAULIC HOSE STANDARDS

Continental hydraulic hose and fittings exceed your demands in the harshest environments. From construction, oil and gas, mining and manufacturing to transportation, our designers and engineers constantly bring new innovations to the field.
Continental fittings are constructed from a single piece of steel without brazed or welded joints to provide ultimate protection against leaks and potential leak paths. With full-length crimps and a low-profile design that will last longer, the interlocking bite-to-wire technology delivers maximum coupling retention for safer assembly and reliability under the toughest pressure — no internal or external skive required.

**STAY CONNECTED UNDER THE HIGHEST PRESSURES**

Full-length crimp offers maximum coupling retention for a safe and longer-lasting assembly.

B2 Our bite-to-wire fittings penetrate the cover with a powerful bite into the wire reinforcement, resulting in even hose compression and maximum integrity.
**Constant Pressure Spiral Hose**

Our Continental Constant Pressure Spiral Hydraulic Hose provides you with the superior quality and reliability you need in the toughest conditions. Our Extended Life™ high abrasion-resistant cover, helps minimize down time; the half bend radius allows routing in tight spaces which can reduce hose length requirements. The constant pressure performance across all sizes aids in selecting the right hose for the application, while our simplified fittings and color-coded system are faster, safer and more cost effective. When the pressure is on, you want Continental there.

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**STAY FLEXIBLE IN EVEN THE TIGHTEST SITUATIONS**

Flexibility plays a major role in your hydraulic hose operation and efficiency. With a bend radius up to 1/2 that of SAE conventional spiral hose standards, our hose is extremely flexible, easier to route and reduces the chance of bending too tightly. This helps provide increased hose savings and a reduction of shaped hose ends while equipping you with a safer, more cost-effective way to keep you moving throughout the day.

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**Bend Radius Comparison vs. SAE Standard**

Not only does our hose provide a reduced bend radius, but the less bulky inner tube and outer wall construction requires less force to bend for a more manageable routing process. This results in reduced installer fatigue and faster installation times overall.

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**Continental Constant Pressure Hose is up to 1/2 SAE bend radius specification**
Our color-coding system is designed specifically for our hose and provides a safe and user-friendly replacement process. Quickly recognize which colors align to the different hose pressures to avoid injury and ensure you install the correct hose with confidence.

STAY UP, OPERATIONAL AND SAFER ALL DAY.

Constant Pressure Spiral Hose are designed to be easily identifiable by pressure rating for safe replacement.
Key Products

Arctic Hose

High-pressure hydraulic hose used in construction, forestry, surface mining, oil and gas, waste handling, utilities and other applications where lower temperature can impact performance.

KEY FEATURES

-70° Handles low temperature

B2 - Bite-to-Wire fittings across the entire line (1/4" to 2")

NEW LOW TEMP HOSE RATED TO -70°F
The PC440i Production Crimper Controller can store up to 50 dies and 150 crimp settings, and its special pressure transducer monitors crimping effort, eliminating trial-and-error crimping.

**PC440i Production Crimper**

The PC440i Production Crimper Controller can store up to 50 dies and 150 crimp settings, and its special pressure transducer monitors crimping effort, eliminating trial-and-error crimping.

**KEY FEATURES**

- 7.5 HP power source
- High speed pump
- Capable of crimping up to 2" 6-spiral Hydraulic and 4" Industrial Hose

**CrimplQ™ Controller**

Continental’s CrimplQ™ Controller is powered by Continental Fluid Solutions technology, which provides direct access to all crimping features and information. It supports a user-friendly interface to guide new and advanced users through the crimping process quickly and easily.

- WiFi-enabled for support, updates, reporting and cloud connectivity

See page 21 for more information.
Mobile Services
GET THE MOST UP-TO-DATE SPECIFICATIONS

The MyCrimp™ application provides users with up-to-date specifications to properly crimp Continental hydraulic hose and fittings. Users can search by hose style, coupling style, hose size and crimper. The application contains all the information required to properly set up and crimp the desired hose and fitting.
At Continental, we’re relentless in our drive to move business forward in revolutionary ways. That’s why we developed Conti Fluid Solutions, part of a global vision to find and create connections allowing us to develop unmatched, often custom, solutions.

We take innovation beyond the limits of today’s technology and bring tomorrow closer. Access cutting-edge intel and insight, and go beyond anything you’ve ever imagined. Register today for Continental Distributor access at [www.contifluidsolutions.com](http://www.contifluidsolutions.com).

The new app features the same data you’re accustomed to seeing, but now at your fingertips. And never wonder again if it is the most up-to-date version.

**Search the app store for: MyCrimp/Contitech**

**Download today for free!**

**INNOVATIVE DISTRIBUTOR SOLUTIONS**

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BIGGER, BOLDER, SIMPLER.

Our hydraulic hose laylines have been updated to include the most significant information about the hose, on the hose. Special icons make it quicker and easier to identify a hose’s length, corresponding fittings and attributes. To top it off, new logos give more of an edge to our branding.

How to Read Our Layline

- **BRAND**: Updated branding to easily identify what hose is being used.
- **IDENTIFICATION**: Hose attribute, family and dash size.
- **FITTINGS**: Corresponding fittings series now provided on the hose.
- **PERFORMANCE + SPECS**: SAE, MPa, psi, MSHA standards.
- **PRESSURE**: PSI, MPa.
- **FOOT MARKERS**: New “FT” markers for easy length identification. Easy method to help cut to length in shop environment or determine length of hose installed in the field.
- **LOOK FOR HIGHLIGHTED ATTRIBUTE**
NEW ATTRIBUTE INDICATORS FOR KEY FEATURES

**XR16SC**
- SAE 100R16
- EN 857 2SC
- High-pressure applications with tight bends
- ID 1/4” - 2”

**XCP3**
- SAE 100R17
- 1- or 2-braid hose
- High-pressure applications requiring superior abrasion resistance
- ID 1/4” - 1”

**XCP4**
- SAE 100R19
- ISO 11237
- High-pressure applications
- Excellent impulse performance
- ID 1/4” - 3/4”

**XCP3S**
- SAE 100R12
- Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure applications
- ID 1 1/4” - 2”

**XCP4S**
- SAE 100R12
- Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure pulsating applications
- ID 3/8” - 2”

**XCP6S**
- SAE 100R15 Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure applications subject to surges or flexing
- ID 3/8” - 2”

**Prospector™ Hot Oilier**
- Static Pressure
- Made to initiate the flow of hot oil and bring it to the surface
- ID 1 1/4”
Hydraulic Hose Line

**CONSTANT PRESSURE**

**BRAIDED**

**SCP3**
SAE 100R17
- 1- or 2-braid hose
- High-pressure applications with tight bends
ID 1/4" - 1"

**XCP3**
SAE 100R17
- 1- or 2-braid hose
- High-pressure applications requiring superior abrasion-resistance
ID 1/4" - 1"

**Armorcoat™ ACP3**
SAE 100R17
- High-pressure applications requiring superior abrasion-resistance
ID 1/4" - 1"

**XCP4**
SAE 100R19
- High-pressure applications
- Excellent impulse performance
ID 1/4" - 3/4"

**Armorcoat™ ACP4**
SAE 100R19
- High-pressure applications
- Superior abrasion-resistance
ID 1/4" - 3/4"

**XCP4S**
SAE 100R12
- Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure pulsating applications
ID 3/8" - 2"

**XCP5S**
SAE 100R13
- Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure applications subject to surges or flexing
ID 3/8" - 2"

**XCP6S**
SAE 100R15
- Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure applications subject to surges or flexing
ID 3/8" - 2"

**SPIRAL**

**XCP3S**
SAE 100R12
- Constant Pressure
- 4- or 6-spiral hose
- Very high-pressure applications
ID 3/8" - 2"

**ARMORCOAT™**

**Armorcoat™ ACP3**
SAE 100R17
- High-pressure applications requiring superior abrasion-resistance
ID 1/4" - 1"

**Armorcoat™ ACP4**
SAE 100R19
- High-pressure applications requiring superior abrasion-resistance
ID 1/4" - 3/4"

**Armorcoat™ ARC165C**
SAE 100R16
EN 857 2SC
- High-pressure applications with tight bends
ID 1/4" - 1"

**Armorcoat™ ARC12**
SAE 100R12
EN 856 R12
- Very high-pressure applications subject to surges or flexing
ID 3/8" - 2"
Hydraulic Hose Line

**SPECIAL APPLICATION**

- **SGUN**
  - Grease Gun Hose
  - Made for general purpose lubrication
  - ID 3/16”

- **SHJ**
  - Jack Hose
  - Made for high-pressure hydraulic applications
  - ID 1/4” - 3/8”

- **Saflex™ (NSFX)**
  - Medium-pressure applications where shock hazards exist
  - Non-conductive
  - ID 1/4” - 1/2”

- **SR14A**
  - SAE 100R14A
  - PTFE line hose for air compressor discharge
  - Chemical-resistant
  - ID 3/16” - 1”

- **SFS**
  - Fire Suppression
  - Made for mining, forestry and firefighting equipment
  - ID 1/4” - 1”

- **Prospector™ BOP 3000**
  - Blowout Prevention
  - Made for hydraulic connections in oil and gas exploration
  - ID 3/8” - 1”

- **Prospector™ BOP 5000**
  - Blowout Prevention
  - Made for hydraulic connections in oil and gas exploration
  - ID 3/8” - 2”

- **Prospector™ Hot Oiler**
  - Static Pressure
  - Made to initiate the flow of hot oil and bring it to the surface
  - ID 1 1/2”

**MILITARY**

- **MIL-DTL-13444H Type I**
  - Military
  - Made for hydraulic oil and fuel lines
  - ID 3/16” - 3/4”

- **MIL-DTL-13444H Type III**
  - Military
  - Made for medium-pressure hydraulic oil and fuel lines
  - ID 3/16” - 1 1/8”

- **MIL-DTL-13531 Type II, Class A**
  - Military
  - Made for medium- and high-pressure hydraulic systems
  - ID 3/16” - 1”

- **MIL-DTL-3992 Type I, Class I**
  - Military
  - Made for low-pressure flexible connections in air brake systems
  - ID 3/8” - 1/2”

**MILITARY**

- **MIL-DTL-8788 Military**
  - High-pressure applications requiring interoperability
  - ID 3/8” - 1 1/8”

**PUSH-ON**

- **Insta-Grip™ 300 Push-On**
  - 300 psi maximum working pressure
  - Non-conductive
  - ID 1/4” - 1”

- **Insta-Grip™ TC Push-On**
  - Low-pressure applications
  - ID 1/4” - 3/4”

- **Insta-Grip™ HT 300 Push-On**
  - 300 psi maximum working pressure
  - ID 1/4” - 3/4”
### THERMO

**SR7**
- SAE 100R7 EN 855 R7
- Medium-pressure thermoplastic hose with a perforated cover
- ID 1/8" - 1"

**SR8**
- SAE 100R8 EN 855 R8
- Thermoplastic hose with a perforated cover
- ID 3/16" - 1/2"

**TR7**
- SAE 100R7
- Twin-line
- Medium-pressure thermoplastic hose with a perforated cover
- ID 3/16" - 1/2"

**TR8**
- SAE 100R8
- Twin-line
- Thermoplastic hose with a perforated cover
- ID 3/8" - 1/2"

**BR7**
- SAE 100R7
- Twin-line
- Thermoplastic hose
- ID 1/4" - 1/2"

**SR18**
- SAE 100R18
- Thermoplastic hose
- Extremely flexible in cold temperatures
- ID 1/4" - 1/2"

### AIR CONDITIONING

**FXG**
- Push-On
- 400 psi maximum working pressure
- Non-conductive
- ID 3/16" - 1"

**Galaxy® 4890**
- For applications requiring Cool Clip® or Cool Crimp™ fittings
- ID 5/16" - 3/4"

**Galaxy® 4826**
- For applications requiring Cool Clip® or Cool Crimp™ fittings
- ID 5/16" - 3/4"

**Galaxy® 4867**
- Air Conditioning
- For applications requiring Cool Clip® or Cool Crimp™ fittings
- ID 5/16" - 3/4"

### PUSH-ON

**HR4**
- SAE 100R4
- Return or suction line hose
- Handles high temperature
- ID 3/4" - 4"
Fittings, Adapters & Quick Disconnects

ONE SOURCE, MANY SELECTIONS.

We are your one source for a wide selection of high-performance hydraulic hose fittings, covering a wide range of designs, configurations, sizes and pressure ratings.

INDUSTRY-LEADING FITTINGS

Crimped, Field-Grip (Re-attachable), Push-On and Air Conditioning

THREADS THAT MEET EVERY APPLICATION NEED

SAE, NPTF, JIC, British Standard, DIN, JIS and API

HIGH-PERFORMANCE END STYLES

Straights, Swivels, Elbows and Flanges

3 FITTING FAMILIES COVER OUR ENTIRE HIGH PRESSURE HOSE LINEUP

Simplicity. That’s the key to having only 3 fitting families that are engineered to fit every single high pressure hose in Continental’s lineup. That makes choosing the right one easy for you and your customers. Plus, it saves you money and space because you don’t have to carry a big inventory.

Bite-to-Wire Fittings

Continental’s crimp fittings provide maximum coupling retention on 1- and 2-braid hose as well as 4- and 6-spiral hose. Serrations penetrate the cover with a powerful bite into the wire reinforcement, resulting in even hose compression.

Our B2- and SG-families of 1-pc., no-skive, crimp fittings cover nearly all sizes of wire-braid and wire-spiral reinforced hoses — providing a level of confidence and security when matching the right hose and the right fitting.
BENEFITS & FEATURES

Informative Hose Laylines
We’ve put vital fitting information on every Continental hose. The new easy-to-read icon clearly identifies the fitting family approved for each hose.

End Style Adapters
Complete line of adapters to change existing end styles to meet your application needs.

Full-Length Crimp
Maximum coupling retention for a safe and longer-lasting assembly; easier to crimp with a lower profile.

Zinc Plating
› Offers corrosion resistance for extended hose assembly and fitting life, easily surpassing the corrosion resistance of SAE J516 and ASTM B117.
› Silver Chromium-6 Free plating on Ultra-Crimp™, Uni-Crimp™ and Dual-Grip fittings.

No Skive
Assemblies made faster, with fewer steps and less mess.

QUICK DISCONNECT COUPLINGS
Continental is partnering with a leading innovator in the hose coupling industry – Dixon Quick Coupling, a division of Dixon Valve. This partnership helps us provide you with a broad line of high-quality quick disconnect couplings.

Together, Continental and Dixon will coordinate resources to give you access to industry-leading market knowledge, engineering excellence from state-of-the-art American facilities and superior service.
# Fittings Overview

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<td>90° Elbow</td>
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Download the MyCrimp App for more information.
Fittings Overview

<table>
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<tr>
<th>BSPP (British Standard Pipe Parallel)</th>
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<th>BSPT (British Standard Pipe Tapered)</th>
<th>BSP Flat Seat (British Standard Pipe)</th>
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<tbody>
<tr>
<td>Female 90° Elbow Swivel</td>
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<tr>
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<td>B2-JSFX</td>
<td>B2-HJ</td>
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CrimpIQ™ and CrimpCloud™

THE FUTURE OF CRIMPING AT YOUR FINGERTIPS

The new Continental crimper controller is a 21st-century improvement over manual crimping. Precise digital crimping and cloud solutions: a quantum leap in the world of hydraulic and industrial hose. Discover the next generation of crimper controllers.

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- Easy-to-use, 10” high-resolution touchscreen interface gives you access to crimp specs, notes and tutorials at the touch of a button.
- Bluetooth 4.0 capability supports wireless calipers and accessories, with 8GB of on-device memory for crimp specs and other applications.
- Create support tickets directly from the crimper with screen capture capability and machine status for more responsive help when you need it most.
- With full MyCrimp™ crimp specification app integration, you can easily import and store up-to-date crimp specifications with no manual entry required.
- Fully connected via WiFi or Ethernet to CrimpCloud™ to keep your die preferences, users and settings information secure and accessible 24/7.
- Track machine performance and maintenance schedules, and identify good and bad crimps for superior quality.
- Introducing a perpetually evolving technology that allows you to grow and add endless features and solutions.

CONTROL PANEL ICONS

- Easy step-by-step crimp operation, supported with always up-to-date crimp specs
- Ability to easily favorite up to thousands of crimp specifications, complete with notes for easy reference and accurate crimping
- Integrated training and manuals, allowing for easy education
- Get support within the application (automatically uploads machine status with support request)
- Dynamic machine maintenance tracking, ensuring that crimper maintenance occurs at the proper time
- Connection to the cloud, allowing for production-run information and comprehensive backup

Note: Internet connection required to take full advantage of crimper features
ContiTech. Smart Solutions Beyond Rubber

The ContiTech division of the Continental Corporation is one of the world’s leading industry specialists. As a technology partner, our name is synonymous with expertise in development and materials for components made of natural rubber and plastics and also in combination with other materials such as metal, fabrics or silicone. By integrating electronic components, we are also generating solutions for the future.

Beyond products, systems and services, we also provide holistic solutions and have a formative influence on the industrial infrastructure. We see digitalization and current trends as an opportunity to work with our customers to add sustainable value – for both sides and for good.