

**Continental**   
The Future in Motion



## **Aftermarket Hydraulics Brochure**

Hydraulic Hose, Fittings & Equipment

[www.continentalaftermarket.com](http://www.continentalaftermarket.com)



## KEY PRODUCTS EXCEEDING HYDRAULIC HOSE STANDARDS

Continental hydraulic hoses and fittings are built for the harshest environments. From construction, oil and gas, mining, and manufacturing to transportation, our designers and engineers constantly bring new innovations to the field.

### Extended Life™ XR16SC High-Pressure Hose

- › For jobs requiring tight bends, flexibility and abrasion resistance
- › Nitrile inner tube
- › Two high-tensile steel wire braids of reinforcement
- › Extended Life™ extra abrasion-resistant cover
- › Can handle a system working pressure up to 5,800 psi (40 MPa)
- › Half bend radius

#### KEY FEATURES

~~LIFE™~~ Extended Life™ Cover

 Meets Flame Resistance / MSHA Designation

#### FITTINGS

 B2 Fittings



Outer cover with Extended Life™ extra abrasion-, oil- and weather-resistant synthetic rubber.

Two-wire braided construction of high-tensile steel wire.

Oil-resistant NBR (nitrile) inner tube.

# High Pressure Hose Options

- › Half bend radius hoses
- › Easier installation
- › Routing flexibility



**XCP4S**  
**Constant Pressure**  
 › 4- or 6-spiral hose  
 › Very high-pressure pulsating applications  
 › SG fittings

  ~~LIFE™~~

ID 3/8" - 2"



**XCP5S**  
**Constant Pressure**  
 › 4- or 6-spiral hose  
 › Very high-pressure applications subject to surges or flexing  
 › SG/SE fittings

  ~~LIFE™~~

ID 3/8" - 2 1/2"



**XCP6S**  
**Constant Pressure**  
 › 4- or 6-spiral hose  
 › Very high-pressure applications subject to surges or flexing  
 › SG/SE fittings

  ~~LIFE™~~

ID 3/8" - 2"



## 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 half 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.

### 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.*



*Our Continental Constant Pressure Hose is up to half the SAE bend radius specification.*

# ExtremeFlex™ FR4

## Suction Hose of the Future

- › ExtremeFlex™ FR4 is an extremely flexible low-pressure, high-temperature return line or suction line
- › For petroleum-based and water-based hydraulic fluids
- › It has a bend radius one times the hose ID and a vacuum rating of 25 in. Hg



### PERFORMANCE + SPECS

Meets or exceeds the performance requirements of:  
**SAE 100R4**

#### Tube Material

- › Nitrile (NBR)

#### Reinforcement

- › Spiral-Plied Synthetic Fabric with Wire Helix

#### Cover Material

- › Chloroprene (CR)
- › MSHA Flame Resistant
- › Wrapped Finish

#### Temperature Range

- › -40°F to 275°F (-40°C to 135°C)

### FEATURES + BENEFITS



Extreme Flexibility



Low Force to Bend

### FITTINGS



BT Fittings

# Special Application Hoses



- SR14A**  
SAE 100R14A
- › PTFE line hose for air compressor discharge
  - › Chemical-resistant
  - › UC fittings



ID 3/16" - 1"



- Desert® DR5**  
SAE 100R5
- › Reinforced with 1 braid of textile and 1 braid of steel
  - › UC/FG fittings



ID 3/16" - 1 13/16"



- Desert® DUT**  
SAE J1402 Type A1
- › Medium-pressure hose for fleet applications
  - › UT fittings



ID 3/16" - 1 1/8"



- XNR7**  
SAE 100R7
- › Medium-pressure applications
  - › UC fittings
  - › With UCTG ferrules



ID 3/16" - 1"



- XTR7**  
SAE 100R7
- › Medium-pressure applications
  - › Twin-line
  - › UC fittings
  - › With UCTG ferrules

ID 1/4" - 1/2"



- Insta-Grip™ 300**  
Push-On
- › 300 psi maximum working pressure
  - › Non-conductive
  - › PB fittings



ID 1/4" - 1"



- Arctic® LR16SC**  
SAE 100R16
- › Meets higher EN/DIN pressures
  - › Handles low temperatures
  - › B2 fittings



ID 1/4" - 2"



- Arctic® LCP4S**
- › Made for hydraulic oil lines
  - › Handles low temperatures
  - › SG fittings



ID 3/8" - 1 1/4"



- Armorcoat™**  
**ARC16SC**  
SAE 100R16
- › High-pressure applications with tight bends
  - › High abrasion applications
  - › B2 fittings



ID 1/4" - 1"

# Hydraulic Hose Layline

## ATTRIBUTE INDICATORS FOR KEY FEATURES



Extended Life™  
Cover



Constant  
Pressure



ARMORCOAT™  
Resistance



High / Low  
Temperature



ISO



Flame  
Resistance



Non-Conductive /  
Conductive



Ultra-  
Flexible



1/2 Bend  
Radius



Fittings

## 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



↑  
PRESSURE

### 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

# Hydraulic Hose Saw

## HS150

- › Specifically designed to cut hydraulic hoses
- › 1 and 2 braid hose up to 1 ½" ID
- › 4 wire spiral hose up to 1 ¼" ID



## HS150 / HS500 Blade Awareness

### NOTES:

- › New blades must be properly conditioned to assure long life and clean cuts. For the first ten cuts, feed the blade slowly through a medium size hose. This will properly break in and condition the blade for long life.
- › The hose should begin to bend before contacting the blade. This will increase blade life and keep the hose from tearing and deforming.
- › Once the blade and motor reach full RPM, apply steady downward pressure on the handle in order to force the hose into the blade. Do not apply enough force to stall the blade, and ease up on the pressure before the blade completes the cut. This will keep from separating the wires as the blade exits the hose.
- › The edges of the blade may appear to be dull. This does not mean that the blade is not effective. As long as the blade is still giving clean cuts, do not replace the blade.
- › PAY CLOSE ATTENTION TO THE DIRECTION OF ROTATION MARKED ON THE SERRATED BLADE. IT IS THE OPPOSITE OF MOST BLADES OF THIS TYPE.

### CAUTION:

- › Cracks can cause extreme damage to the blade, periodically examine the blade for cracks and/or broken teeth.



Serrated Blade



Scalloped Blade



Double Bevel  
w/SS Slots Blade

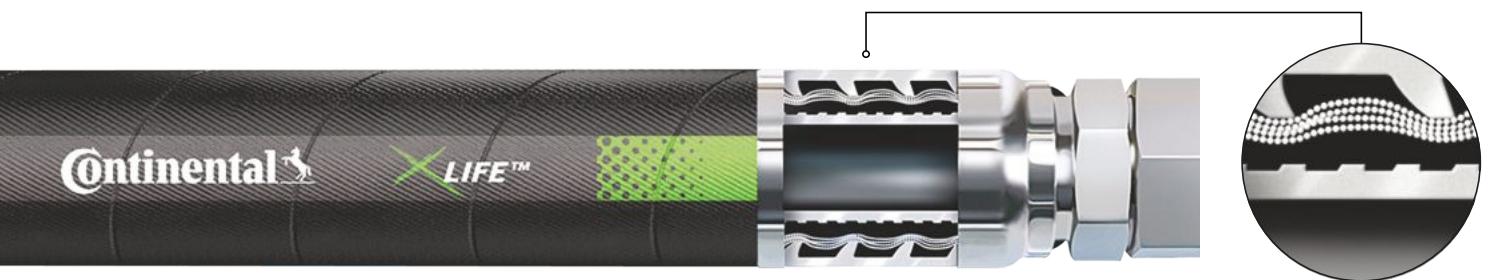
# Fittings

SIMPLICITY: THREE FITTING FAMILIES COVER OUR ENTIRE HOSE LINEUP

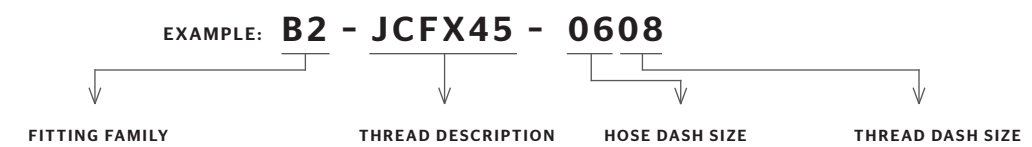
## Bite-to-Wire Fittings

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

Our B2, SG and SE families of 1 piece, 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 to the right fitting.



EASY-TO-READ NOMENCLATURE TO HELP SELECT THE RIGHT FITTINGS



1-PC., No-Skive Crimp Fittings									
Hose	Hose ID, Dash Size								
	-04	-06	-08	-10	-12	-16	-20	-24	-32
1-Wire Braid	B2	B2	B2	B2	B2	B2	B2	B2SC	B2
2-Wire Braid	B2	B2	B2	B2	B2	B2	B2	B2SC	B2
FR4					BT	BT	BT	BT	BT
XCP3S							SG	SG	SG
XCP4S		SG	SG	SG	SG	SG	SG	SG	SG
XCP5S		SG	SG	SG	SG	SG	SG	SE	SE
XCP6S		SG	SG	SG	SG	SG	SG	SE	SE

Logos on hose for easy matching:

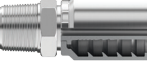


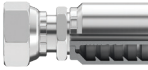
# Fittings

## Popular Fitting Styles\*

★ Most Popular

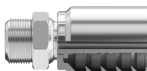
**JIC 37° Flare ★**  
Female Swivel  
  
JCFX

**NPTF ★**  
Male  
  
NPM

**O-Ring Face Seal ★**  
Female Swivel  
  
OFFX


**O-Ring Boss Straight Thread**  
Male  
  
OBM

**SAE 45° Flare**  
Female Swivel  
  
SFFX


**SAE 45° Inverted Flare**  
Male Swivel  
  
SIMX

## High Pressure\*

**Code 61 Flange**  
  
FL

**Code 62 Flange**  
  
FH

**Caterpillar® Flange**  
  
CF

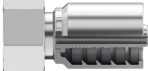
**Komatsu® Flange**  
  
KF


FEATURES › No skive assemblies › Zinc plating for corrosion resistance

## International Applications\*

**BSPP (British Standard Pipe Parallel)**  
Male  
  
B2-BPM

**BSPT (British Standard Pipe Tapered)**  
Male  
  
B2-BTM

**DIN 24° Light (German Metric)**  
Female Swivel  
  
B2-DLFX

**DIN 24° Heavy (German Metric)**  
Female Swivel  
  
B2-DHFX

**JIS 30° (Parallel Pipe Threads)**  
Female Swivel  
  
B2-JSFX

\*Available in Straight, Elbows and Step Sizes. Male ends with swivels for JIC, NPM, O-ring Boss applications

# Crimping Solutions

## MOBILE CRIMPERS

### PC125MRCD

- › -20 Braid
- › -16 Spiral

#### Power Options

- › Hand Pump
- › Pneumatic
- › 110 Electric



## STATIONARY CRIMPERS

### PC125RCD

- › -20 Braid
- › -16 Spiral

#### Power Options

- › 110V
- › 220V



### PC150

- › -24 Braid
- › -24 Spiral

#### Power Options

- › >110V
- › >220V



# Shop In A Box

## YOUR FULL TURNKEY CRIMPING AND ASSEMBLY OPERATION SOLUTION.

Just unload it and start making premium hydraulic or industrial assemblies instantly. Here's what's in the box:

- › Crimper
- › CrimpIQ™ Tablet
- › Hose Saw
- › Hose Reel Rack
- › Die Shelf
- › Insertion Block Assembly
- › Continental Calipers
- › 4 Drawer Cabinet with Small and Large Bins
- › Hose Helper
- › 10' Continental Air Hose with Nozzle
- › 6' Continental Sign
- › 6' LED Light Kit
- › Attached Tape Measure
- › 5' 110V Power strip
- › Tooling Mat
- › Work Table with Adjustable Feet



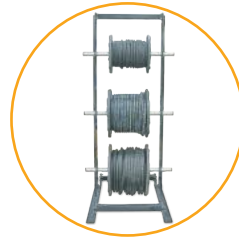
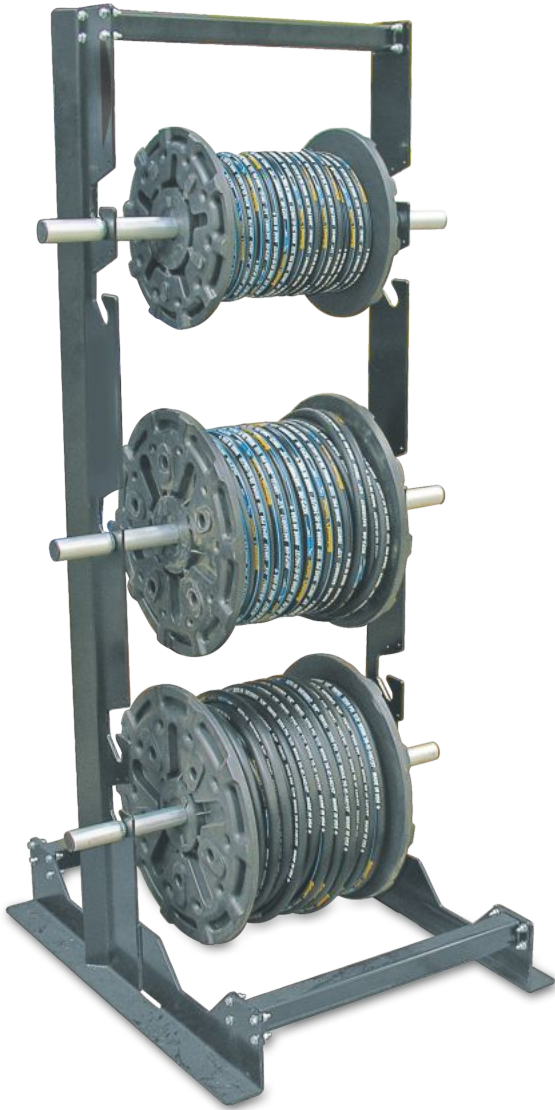
# Hose Reel Rack

The Hose Reel Rack is designed to keep the hose spools organized and secure, is made of heavy-duty steel and comes in 2 compact designs (24" and 36" wide) to accommodate your needs.

## FEATURES

### KEEP HOSE SPOOLS ORGANIZED

- › 5 different positions for customizable configurations that fit various sized hose spools
- › 2 reel holders for 2 larger hose spools, or 3 reel holders for 3 smaller hose spools
- › 3 reel holders are included (additional reels are available)
- › Easy installation, hardware included



Compact design for minimum use of space.



You can customize your sized hose spools that best fit your needs.



Hose reel rack keeps the hose spools organized and clean.

# Fittings

## ArmorPlate

ArmorPlate coating provides extreme corrosion resistance for extended hose assembly and fitting life. In corrosive environments, our ArmorPlate offers an extra measure of protection – 1,000 hours of red rust corrosion resistance following ASTM B117 (ISO 9227). This is almost 7X more than the SAE J516 requirement of 144 hours.

- › Ideal solution in extremely corrosive agricultural environments where hose assemblies could be exposed to salt or fertilizers
- › Thinking of the big picture: reduces corrosion migration to other components
- › Not only does it look better, but it also costs less to maintain



## Fighting Against Corrosion

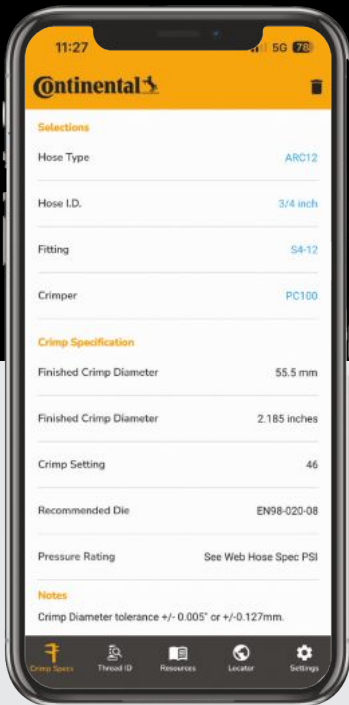
Corroded fittings can lead to leaks or bursts, resulting in a sudden loss of pressure and system failure. This can halt machinery operation, leading to costly downtime. Corrosion necessitates more frequent inspections, repairs, and replacements of fittings. Moreover, corrosion-induced leaks can result in fluid spills, leading to soil and water contamination.

## Standard Zinc Plating

All our zinc-plated B2/BT/SE/SG/UC fittings resist the 264-hour red rust formation during the salt spray test to ASTM B117 (ISO 9227).

## No Skive

Assemblies are made faster with no skive fittings.

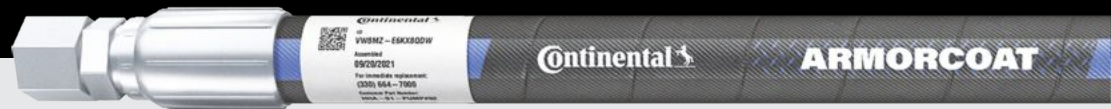


## Mobile Services

GET THE MOST UP-TO-DATE SPECIFICATIONS.

We've made our digital toolbox easier to use by combining our hydraulic and industrial crimp specifications into one app, **C-IQ**. We've also added a new feature – thread identification.

Together, your employees will be able to create the perfect assembly every time.



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 **C-IQ/Contitech**  
Download today for free!



# Proper Assembly

## Hydraulic Hose and Fitting Products

### Proper Assembly of Continental Hose and Fittings

Continental hose, fittings and crimping equipment work together to provide an efficient and reliable hose connection. Hose and fittings are part of an engineered system and are to be assembled in accordance with Continental specifications. Using non-Continental components may produce an assembly that does not meet rated performance. **Continental does not warrant, expressly or by implication, hose assemblies that do not incorporate Continental hose and fittings or are not crimped in accordance with Continental process specifications.**

Buyers may elect to attach additional or non-standard parts or equipment, or to use different manufacturing specifications, as necessary to meet the requirements of the buyer or customer's application. In such cases, the buyer has sole responsibility to qualify the hose for these applications as necessary to ensure performance capability.

For guidance in the assembly of Continental hose and couplings, please refer to the Continental Crimp Specifications Manual. Information in this catalog is believed to be accurate, but is not warranted and is subject to change without prior notice. For the most current available product and crimp specifications information, please check our website: [www.continentalaftermarket.com](http://www.continentalaftermarket.com).

### Warning - Selection of Hose

Selection of the proper hose for the application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to selection of the hose for your application can result in hose leakage, bursting or other failure, which can cause serious bodily injury or property damage from spraying fluids or flying projectiles. Some of the factors involved in the selection of the proper hose include:

- › Hose Size
- › Fluid Conveyed
- › Hose Pressure
- › Hose Length
- › Bends
- › Static Head Pressure
- › Hose Ends
- › Temperature
- › Installation Design

The above factors and information provided in this catalog should be considered in selecting the proper hose for your application.



## Heavy Duty Aftermarket

Market segment

Aftermarket

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