



## **Hydraulics Brochure**

Hydraulic Hose, Fittings & Equipment



## Key Products

### EXCEEDING HYDRAULIC HOSE STANDARDS

Continental hydraulic hoses 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.

### 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).

#### KEY FEATURES



Extended Life™  
Cover



Meets Flame Resistance /  
MSHA Designation



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

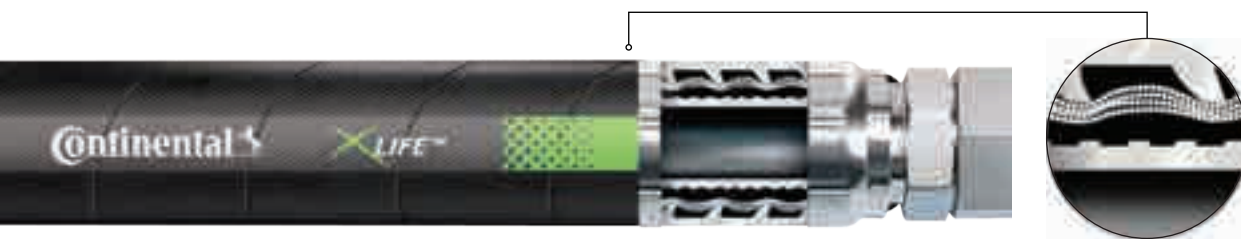
Two-wire braided construction  
of high-tensile steel wire.

Oil-resistant  
NBR (nitrile)  
inner tube.



## STAY CONNECTED UNDER THE HIGHEST PRESSURES.

Continental fittings use a **mono-block construction** 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.



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

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



# Key Products

## 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 downtime; 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.

### KEY FEATURES



Made for  
Constant Pressure



1/2 Bend Radius

## STAY FLEXIBLE IN EVEN THE TIGHTEST SITUATIONS.

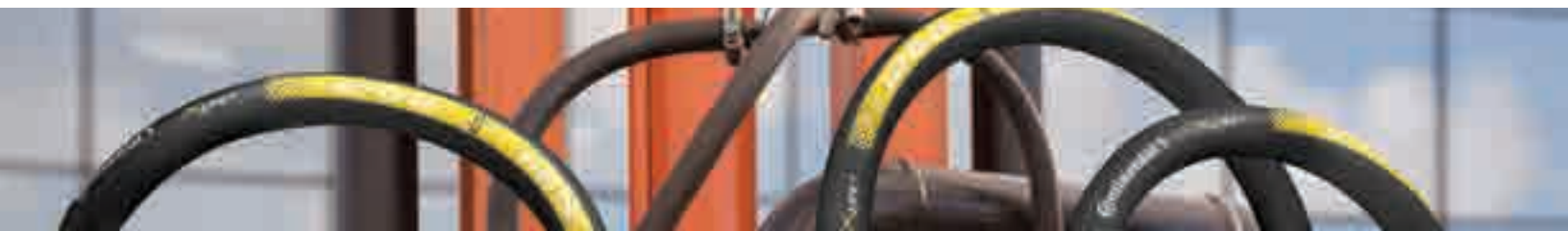
Flexibility plays a major role in your hydraulic hose operation and efficiency. With a bend radius up to half that of SAE conventional spiral hose standards, our hose is extremely flexible, easier to route and reduces the chance of bending too tightly. This helps provide increased hose savings and a 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.*





## STAY UP, OPERATIONAL AND SAFER ALL DAY.

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.



*Constant Pressure Spiral Hoses are designed to be easily identifiable by pressure rating for safe replacement.*





# Key Products

## MAINTAINS FLEXIBILITY IN EXTREME LOW-TEMP CONDITIONS.

You demand a lot from your hydraulic hose. That's why we put so much into making ours the longest-lasting, strongest, most dependable hose available. Only our low-temp series hose has our exclusive Arctic® tube and cover compound, which outperforms the competition in low-temperature performance and flexibility. It's also MSHA-compliant, chemical- and oil-resistant, and performs in even the harshest temperatures and weather conditions.



## LOW TEMP HOSE RATED TO -70°F





## CrimplIQ™

Continental's CrimplIQ™ Controller 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.

**- Wi-Fi-enabled for support, updates, reporting and cloud connectivity**

## PC160i Smart Crimper

The PC160i brings the state-of-the-art CrimplIQ® technology to the bench-top crimper market. This true 1-1/4" crimper is the solution for your service crimper needs.

### KEY FEATURES

- › CrimplIQ® Technology with CrimplIQ® PRO mode enabled
- › -20 SG capability
- › Up to -32 B2 Capability (only w/ wide-body dies)
- › 3 clicks to crimp
- › Easy die removal process that enables the operator to change tooling quickly, safely and easily
- › Eliminates pain point of setting micrometer
- › Live crimp charts\*
- › Integrated technical support\*
- › Built-in crimp specifications
- › Advanced features like a Full-Automatic mode
- › 12-month subscription to CrimpCloud® included\*
- › Supports CrimpCloud® Traceability for full hose-life cycle tracking (subscription required)
- › New toggle switch for up-and-down operation, along with included foot pedal as an additional method to actuate the crimper
- › PC160i with CrimplIQ® PRO is available for Shop in a Box

\* When connected to Wi-Fi

*Automatically convert inches to millimeters and vice-versa so that no calculation is ever required.*





# SHOP IN A BOX

## YOUR FULL TURNKEY CRIMPING AND ASSEMBLY OPERATION SOLUTION.

Just unload it and start making premium hydraulic or industrial assemblies instantly. The only thing you need to supply is the operator. Plus, it's a **fully connected digital ecosystem**. The **traceability** feature allows you to track both assembly and operations-related information. You can **record**, **manage** and **retrieve** information that is important to you and your customers. Shop in a Box is another solution that meets your exact needs from Continental.



Print scannable labels to manage and retrieve hose assembly and operations-related information that leads to repeat sales.





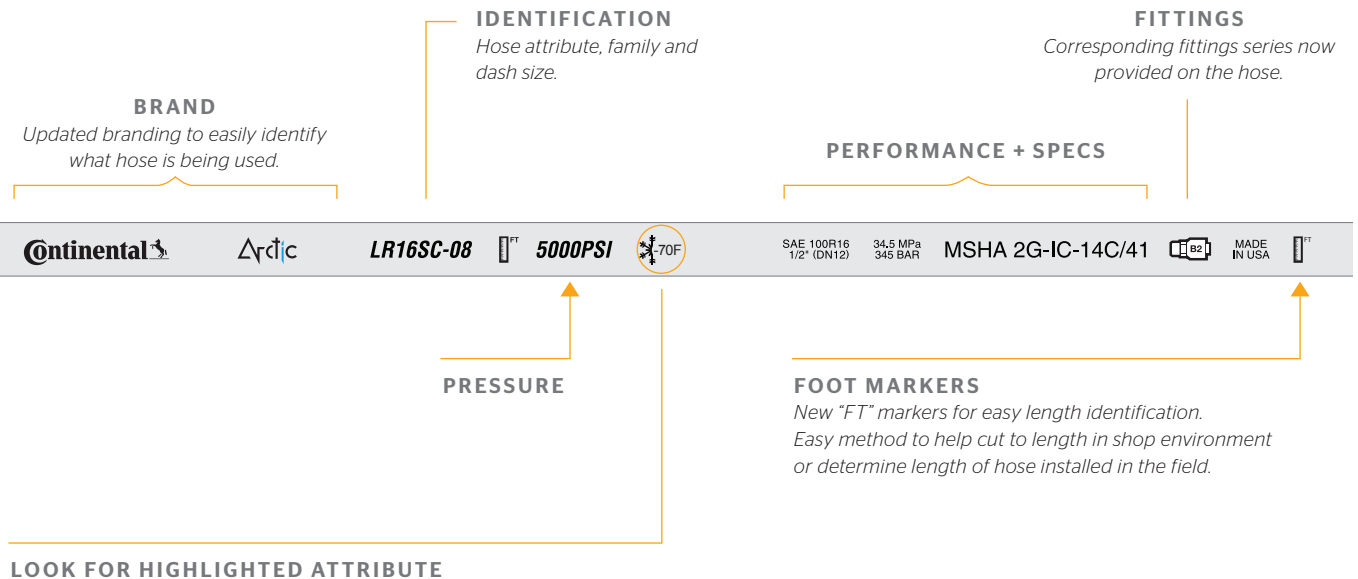
# Hydraulic Hose Line

## 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



## 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



EXTENDED LIFE™ COVER



### XR16SC

SAE 100R16

High-pressure applications  
with tight bends



ID 1/4" - 3"



### XCP3

SAE 100R17 meets ISO 18752

> 1- or 2-braid hose  
> High-pressure applications  
requiring superior abrasion  
resistance



ID 1/4" - 1"



### XCP4

SAE 100R19

ISO 11237 meets ISO 18752

> High-pressure applications  
> Excellent impulse performance



ID 1/4" - 1"



### XCP5 NEW

Meets ISO 18752 AC

> High-pressure applications with  
superior abrasion resistance  
> 2-wire braid hose



ID 1/4" - 1/2"



### XCP3S

Constant Pressure

> 4- or 6-spiral hose  
> Very high-pressure applications



ID 1 1/4" - 2"



### XCP4S

Constant Pressure

> 4- or 6-spiral hose  
> Very high-pressure pulsating  
applications



ID 3/8" - 2"



### XCP5S

Constant Pressure

> 4- or 6-spiral hose  
> Very high-pressure applications  
subject to surges or flexing



ID 3/8" - 2 1/2"



### XCP6S

Constant Pressure

> 4- or 6-spiral hose  
> Very high-pressure applications  
subject to surges or flexing



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"



# Hydraulic Hose Line



## CONSTANT PRESSURE

### Braided



#### XCP3

SAE 100R17  
meets ISO 18752  
› 1- or 2-braid hose  
› High-pressure applications requiring superior abrasion resistance



ID 1/4" - 1"



#### XCP4

SAE 100R19  
ISO 11237 meets ISO 18752  
› High-pressure applications  
› Excellent impulse performance



ID 1/4" - 1"



#### XCP5 **NEW**

Meets ISO 18752 AC  
› High-pressure applications with superior abrasion resistance  
› 2-wire braid hose



ID 1/4" - 1/2"



#### Armorcoat™ ACP4

SAE 100R19  
› High-pressure applications requiring superior abrasion resistance



ID 1/4" - 3/4"

### Spiral



#### XCP3S

3100 PSI  
Constant Pressure  
› 4- or 6-spiral hose  
› Very high-pressure applications



ID 1 1/4" - 2"



#### XCP4S

4100 PSI  
Constant Pressure  
› 4- or 6-spiral hose  
› Very high-pressure pulsating applications



ID 3/8" - 2"



#### XCP5S

5100 PSI  
Constant Pressure  
› 4- or 6-spiral hose  
› Very high-pressure applications subject to surges or flexing



ID 3/8" - 2 1/2"



#### XCP6S

6100 PSI  
Constant Pressure  
› 4- or 6-spiral hose  
› Very high-pressure applications subject to surges or flexing



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™ ARC16SC

SAE 100R16  
› High-pressure applications with tight bends



ID 1/4" - 1"



#### Armorcoat™ ARC12

SAE 100R12  
› Very high-pressure applications subject to surges or flexing



ID 3/8" - 2"



#### Armorcoat™ ARC13

SAE 100R13  
› 4- or 6-spiral hose  
› Very high-pressure applications subject to surges or flexing



ID 3/4" - 2"



#### Armorcoat™ ARC15

SAE 100R15  
› Severe high-pressure and abrasive applications



ID 1/2" - 1"

**DESERT****HIGH TEMP****Desert® DR16SC**

SAE 100R16  
 › 2-braid hose  
 › Excellent impulse performance



ID 1/4" - 1"

**Desert® DR5**

SAE 100R5  
 SAE J1942  
 › Reinforced with 1 braid of textile and 1 braid of steel



ID 3/16" - 1 13/16"

**Desert® DR1SN**

SAE 100R1AT  
 › 1-braid hose



ID 1/4" - 2"

**Desert® DR2SN**

SAE 100R2AT  
 › 2-braid hose



ID 1 1/4" - 2"

**Desert® DUT**

SAE J1402 Type A1  
 › Medium-pressure hose for fleet applications



ID 3/16" - 1 1/2"

**HR6**

SAE 100R6  
 › Handles high temperatures  
 › Made for textile-reinforced applications



ID 1/4" - 3/4"

**SR14A**

SAE 100R14A  
 › PTFE line hose for air compressor discharge  
 › Chemical-resistant



ID 3/16" - 1"

**Insta-Grip® HT 300**

**Push-On**  
 › 300 psi maximum working pressure



ID 1/4" - 3/4"

**Arctic****LOW TEMP****Arctic® LR16SC**

SAE 100R16  
 › 1-braid hose  
 › Meets higher EN/DIN pressures  
 › Handles low temperatures



ID 1/4" - 2"

**Arctic® LCP3**

SAE 100R17  
 › Made for hydraulic oil lines  
 › Handles low temperatures



ID 1/4" - 1/2"

**Arctic® LCP4S**

› Made for hydraulic oil lines  
 › Handles low temperatures  
 › 4,200 PSI maximum working pressure



ID 3/8" - 1 1/4"

**Arctic® LCP6S**

› Made for hydraulic oil lines  
 › Handles low temperatures  
 › 6,100 PSI maximum working pressure



ID 3/8" - 1 1/4"



# Hydraulic Hose Line

## SPECIAL APPLICATION



## THERMO

 <p><b>XR7</b></p> <ul style="list-style-type: none"> <li>› Medium-pressure applications</li> </ul> <p> ID 1/8" - 1"</p>	 <p><b>XNR7</b></p> <ul style="list-style-type: none"> <li>› Medium-pressure applications</li> </ul> <p> ID 3/16" - 1"</p>	 <p><b>XTR7</b></p> <ul style="list-style-type: none"> <li>› Medium-pressure applications</li> <li>› Twin-line</li> </ul> <p>ID 1/4" - 1/2"</p>	 <p><b>XBR7</b></p> <ul style="list-style-type: none"> <li>› Medium-pressure applications</li> <li>› Twin-line</li> </ul> <p> ID 1/4" - 1/2"</p>
 <p><b>XR8</b></p> <ul style="list-style-type: none"> <li>› High-pressure applications</li> </ul> <p>ID 3/16" - 1/2"</p>	 <p><b>XNR8</b></p> <ul style="list-style-type: none"> <li>› High-pressure applications</li> </ul> <p> ID 3/16" - 1/2"</p>	 <p><b>XTR8</b></p> <ul style="list-style-type: none"> <li>› High-pressure applications</li> <li>› Twin-line</li> </ul> <p>ID 1/4" - 1/2"</p>	 <p><b>XR18</b></p> <ul style="list-style-type: none"> <li>› Extremely flexible in cold temperatures</li> </ul> <p> ID 1/4" - 1/2"</p>

## SUCTION/DISCHARGE

 <p><b>HR4</b> SAE 100R4</p> <ul style="list-style-type: none"> <li>› Return or suction line hose</li> <li>› Half-bend radius</li> </ul> <p> ID 3/4" - 4"</p>	 <p><b>ExtremeFlex FR4</b> SAE 100R4</p> <ul style="list-style-type: none"> <li>› Return or suction line hose</li> <li>› Handles high temperatures</li> <li>› New ExtremeFlex construction for maximum flexibility</li> </ul> <p>  ID 3/4" - 2"</p>
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# Fittings

## YOUR ONE SOURCE FOR EVERY APPLICATION

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.

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

EXAMPLE: **B2 - JCFX45 - 0608**

### FITTING FAMILY

#### First 2 characters

<b>B2</b>	
<b>BT</b>	Ultra-Crimp™
<b>SE</b>	(1-piece fitting)
<b>SG</b>	
<b>UC</b>	Thermoplastic
<b>UCT</b>	(2-piece fitting)
<b>FG</b>	Field-Grip™
	(1-piece reattachable fitting)
<b>UT</b>	DUT Hose
	(1-piece reattachable fitting)
<b>UC</b>	Uni-Crimp™ Stem
	(2-piece fitting)
<b>PB</b>	Push-On Brass
	(1-piece fitting)
<b>SF</b>	Saflex®
	(1-piece fitting)
<b>GG</b>	Grease Gun
	(1-piece fitting)

### THREAD DESCRIPTION

### HOSE DASH SIZE

### THREAD DASH SIZE



## 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.

## BENEFITS & FEATURES



### Informative Hose Laylines

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

## Hose & Fitting Easy Match System

Hose	1-PC., No-Skive Crimp Fittings								
	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
HR4					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

### 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.

# Fittings Overview

## ★ Most Popular

### JIC 37° Flare ★

Female  
Swivel



JCFX

### JIC 37° Flare

Female  
45° Elbow  
Swivel



JCFX45

### JIC 37° Flare

Female  
90° Elbow  
Swivel



JCFX90

### JIC 37° Flare

Female  
90° Block Elbow  
Swivel



JCFX90B

### JIC 37° Flare ★

Male



JCM

### SAE 45° Flare

Female  
Swivel



SFFX

### SAE 45° Flare

Female  
45° Elbow  
Swivel



SFFX45

### SAE 45° Flare

Female  
90° Elbow  
Swivel



SFFX90

### SAE 45° Flare

Male



SFM

### SAE 45° Inverted Flare

Male  
Swivel



SIMX

### SAE 45° Inverted Flare

Male  
45° Elbow  
Swivel



SIMX45

### SAE 45° Inverted Flare

Male  
90° Elbow  
Swivel



SIMX90

### NPTF

Female



NPF

### NPTF

Female  
Swivel



NPFX

### NPTF ★

Male



NPM

### NPTF

Male  
Swivel



NPMX

### NPTF

Male  
90° Block Elbow  
Swivel



NPMX90B

### NPSM

Female  
Swivel



NSFX

### GTF

Female



GTF

### Flareless Tube Fitting



FTM

### Standpipe

SP

### Standpipe

45° Elbow



SP45

### O-Ring Face Seal ★

Female  
Swivel



OFFX

### O-Ring Face Seal

Female  
45° Elbow  
Swivel



OFFX45

### O-Ring Face Seal

Female  
90° Elbow  
Swivel



OFFX90

### O-Ring Face Seal ★

Male



OFM

### O-Ring Boss Straight Thread

Male



OBM

### O-Ring Boss Straight Thread

Male  
Swivel



OBMX



### O-Ring Boss Straight Thread

Male  
90° Block Elbow  
Swivel

OBMX90B



### Code 61 Flange

FL



### Code 61 Flange

22.5° Elbow

FL22



### Code 61 Flange

30° Elbow

FL30



### Code 61 Flange

45° Elbow

FL45



### Code 61 Flange

60° Elbow

FL60



### Code 61 Flange

67° Elbow

FL67



### Code 61 Flange

90° Elbow

FL90



### Code 61 Flange

110° Elbow

FL110



### Code 62 Flange

FH



### Code 62 Flange

22.5° Elbow

FH22



### Code 62 Flange

30° Elbow

FH30



### Code 62 Flange

45° Elbow

FH45



### Code 62 Flange

60° Elbow

FH60



### Code 62 Flange

90° Elbow

FH90



### Caterpillar® Flange

CF



### Caterpillar® Flange

22.5° Elbow

CF22



### Caterpillar® Flange

45° Elbow

CF45



### Caterpillar® Flange

60° Elbow

CF60



### Caterpillar® Flange

67° Elbow

CF67



### Caterpillar® Flange

90° Elbow

CF90



### IHUF Hammer Union

IHUF



### IHUM Hammer Union

IHUM



### Komatsu® Flange

KF



### Komatsu® Flange

45° Elbow

KF45



### Komatsu® Flange

90° Elbow

KF90



### BSPP (British Standard Pipe Parallel)

Female  
Swivel

BPFX



### BSPP (British Standard Pipe Parallel)

Female  
45° Elbow  
Swivel

BPFX45



# Fittings Overview

## BSPP (British Standard Pipe Parallel)

Female  
90° Elbow  
Swivel



B2-BPFX90

## BSPP (British Standard Pipe Parallel)

Male



B2-BPM

## BSPT (British Standard Pipe Tapered)

Male



B2-BTM

## BSP Flat Seat (British Standard Pipe)

Female  
Swivel



B2-BFFX

## DIN 24° Light

Female  
Swivel



B2-DLFX

## DIN 24° Light

Female  
45° Elbow  
Swivel



B2-DLFX45

## DIN 24° Light

Female  
90° Elbow  
Swivel



B2-DLFX90

## DIN 24° Light

Male



B2-DLM

## DIN 24° Heavy

Female  
Swivel



B2-DHFX

## DIN 24° Heavy

Female  
45° Elbow  
Swivel



B2-DHFX45

## DIN 24° Heavy

Female  
90° Elbow  
Swivel



B2-DHFX90

## DIN 24° Heavy

Male



B2-DHM

## DIN 60°

Female  
45° Elbow  
Swivel



B2-DNFX45

## DIN 60°

Female  
90° Elbow  
Swivel



B2-DNFX90

## Komatsu® 30° Flare with Metric Threads

Female  
Swivel



B2-KMFX

## Komatsu® 30° Flare with Metric Threads

Female  
45° Elbow  
Swivel



B2-KMFX45

## Komatsu® 30° Flare with Metric Threads

Female  
90° Elbow  
Swivel



B2-KMFX90

## JIS 30° (Parallel Pipe Threads)

Female  
Swivel



B2-JSFX

## Hose Joiner

Female



B2-HJ

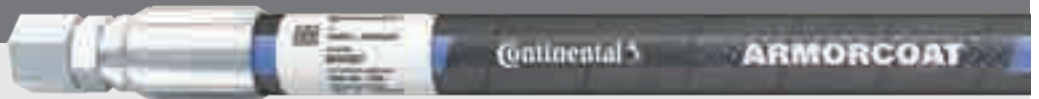


## Mobile Services

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!



## Industrial Fluid Solutions

Market segment

Hydraulic Hose

Contact

Continental

703 S. Cleveland Massillon Road

Fairlawn, OH 44333-3023 U.S.A.

1-800-235-4632

[www.continental-industry.com](http://www.continental-industry.com)

Your local contact

[www.continental-industry.com/distributorlocator](http://www.continental-industry.com/distributorlocator)

Canada

1-888-275-4397

Mexico

1-800-439-7373

USA

1-800-235-4632