



Hydraulics

2015 Hydraulic Hose,
Fittings and Equipment



Full-Line Products, Full-Service Growth

We offer the resources
hydraulic customers need

From construction and agriculture, to oil and gas, to manufacturing and transportation, we offer extensive industrial hydraulic hose solutions for your applications. We are your One Source, One System, One Solution provider with innovative hydraulic hose and products that meet major global standards.



We pride ourselves on being the ultimate solution provider by backing you with quality service and local support on a global basis. As a single solution supplier for your hydraulic assembly components, including hose, fittings, adapters and the method of assembly, we have redefined hydraulic assembly.



Assembly Systems That Perform

One Source.

Continental ContiTech Hydraulic Hose and Fittings

One Source provides the hose and fittings that meet global performance standards, including ISO, EN, JIC, BSP, SAE, DIN/EN and JIS, as well as needing USCG, USMSHA, API and ABS approval agency requirements.



One System.

Continental ContiTech Hydraulic Equipment

One System includes a broad selection of hydraulic assembly equipment.



One Solution.

Continental ContiTech Perma-Crimp™ System

One Solution that produces a high-quality, reliable hydraulic hose assembly.



Service and Support to Back You Up

We are committed to maintaining the highest level of service and support with our **Continental ContiTech Products**:

- › Experienced hydraulic sales specialists and customer service representatives.
- › Application engineers for technical assistance.
- › Interactive website for the latest product, technical and interchange information.
- › One Source Distribution Network for industrial hose and hydraulics.
- › Local support on a global basis to assist in your applications.



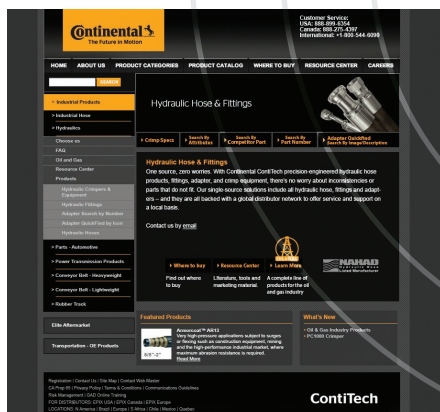
Experienced hydraulic sales specialists



Friendly customer service representatives



Application engineers for technical assistance



Interactive website with important, up-to-date information



One Source hose and hydraulics distribution network



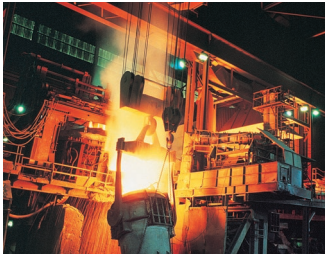
Local support on a global basis

Continental ContiTech Hydraulic Hose

Designers and engineers are discovering new applications for hydraulic power. Whether the application is construction, petrochemical, mining, agriculture, manufacturing or transportation, Continental ContiTech hoses meet the diverse needs of our customers.

Produced to ISO 9001 certification, Continental ContiTech hydraulic hoses undergo state-of-the-art manufacturing processes and meet the applied international standards of SAE J517, EN 853, EN 854, EN 855, EN 856, EN 857 and DIN 20023.

Key Features



Armorcoat™ Hose Cover

- › Super tough, for maximum abrasion applications
- › Can replace protective sleeves
- › Mine Safety and Health Administration (MSHA) rated
- › ARC12 (SAE 100R12/EN 856 R12), ARC13 (SAE 100R13/EN 856 R13), ARC15 (SAE 100R15), ARC16SC (SAE 100R16/EN 857 2SC) and ACP3 (SAE 100R17) hydraulic applications



Arctic® Low Temperature Hose

- › -58°F (-50°C) low temperature service
- › LR2SN (SAE 100R2AT/2SN) high pressure hydraulic applications



Braided Hose

- › Higher EN / DIN pressures
- › Arctic, Desert™ and Armorcoat constructions
- › SR1SN (SAE 100R1AT/1SN), Desert DR1SN (SAE 100R1AT/1SN), SR2SN (SAE 100R2AT/2SN), Desert DR2SN (SAE 100R2AT/2SN), Arctic LR2SN (SAE 100R2AT/2SN), SR16SC (SAE 100R16/857 2SC), Armorcoat ARC16SC (SAE 100R16/857 2SC), SR17 (SAE 100 R17) and Armorcoat ACP3 (SAE 100R17).
- › GFS (Fire Suppression SAE 100R1AT)
- › XR16SC (Extended Life SAE 100R16/85T 25C)
- › XCP3 Extended life (Constant Pressure 3000, SAE 100R17)





Low Pressure Hose

- › 300 - 1250 psi
- › Textile reinforcement
- › HR6 (SAE 100R6)
- › HR4 (SAE 100R4)
- › Push-On Hose, Insta-Grip 300™, Insta-Grip HT 300™, Insta-Grip Plus 300™ and Insta-Grip TC™



High Pressure Hose

- › 4- and 6-spiral wire reinforced hose
- › Armorcoat™ abrasion cover available
- › Very high pressure and high pulsating applications up to 6000 psi
- › MSHA covers
- › SR12 (SAE 100R12/EN 856 R12), SR13 (SAE 100R13/EN 856 R13), SR15 (SAE 100R15), S4SH (EN 856 4SH/DIN 20023 4SH) and S4SP (EN 856 4SP/DIN 20023 4SP) hydraulic applications
- › Wide range of 1-piece, non-skive, fittings



Fleet Applications

- › SR5 (SAE 100R5)
- › DR5 (high temperature service)
- › DUT (SAE J1402 Type A1)
- › Air conditioning hose
- › Military vehicles



Desert™ High Temperature Hose

- › 302°F (150°C) high temperature service
- › DR1SN (SAE 100R1AT/1SN), DR2SN (SAE 100R2AT/2SN), DR5, DUT

High Temperature Hose

- › 275°F (135°C)
- › HR4
- › HR6



Non-Conductive Hose

- › NSFEX (Saflex®) medium pressure hydraulic applications
- › Thermoplastic Hose including NR7 (SAE 100R7), NR8 (SAE 100R8) and BR7 (SAE 100R7)



Teflon® Hose

- › 450°F (232°C) continuous service
- › Chemical resistance
- › Stainless steel braided cover
- › SR14A (SAE 100R14)

Our Hose Product Line

From low pressure to very high pressure applications, Continental ContiTech hydraulic hoses fit your needs.



3/16" - 2"

SR1SN

SAE 100R1AT/1SN

Hydraulic applications requiring 1-braid hose at higher EN/DIN pressures.



1/4" - 2"

Desert® DR1SN

SAE 100R1AT/1SN

High temperature, 1-braid hose at EN/DIN pressures.

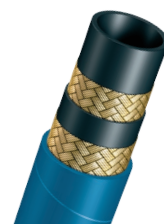


3/16" - 2"

SR2SN

SAE 100R2AT/2SN

Hydraulic applications requiring 2-braid hose at higher EN/DIN pressures.



1/4" - 2"

Desert® DR2SN

SAE 100R2AT/2SN

High temperature 2-braid hose at EN/DIN pressures.



1/4" - 2"

CR2SN

SAE 100R2AT/2SN

High pressure and high temperature applications requiring an abrasion-resistant cover.



1/4" - 2"

Arctic® LR2SN

SAE 100R2AT/2SN

High pressure, low temperature hydraulic oil lines.

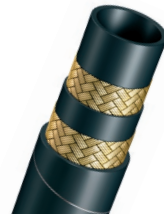


1/4" - 1 1/4"

SR3

SAE 100R3/EN 854 R3

Low pressure, 2 textile braid reinforced hose.



1/4" - 4"

HR4

SAE 100R4

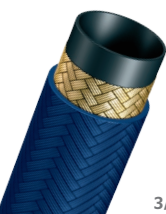
Low pressure, high temperature return line or suction line.



3/16" - 1 13/16"

SR5

General purpose, medium pressure applications.



3/16" - 1 1/8"

Desert® DR5

SAE 100R5/SAE J1942

Medium pressure, high temperature blue textile cover reinforced with 1-braid steel wire.

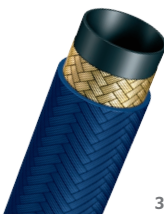


1/4" - 1 1/8"

SCX5

SAE 100R5-type

Rubber covered, USCG approved.



3/16" - 1 1/8"

DUT

SAE J1402 Type A1

High temperature, medium pressure fleet applications.



3/16" - 3/4"

SR6**SAE 100R6/854 R6**

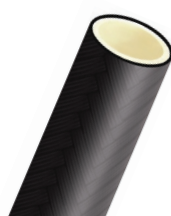
Low pressure, textile reinforced applications.



1/4" - 3/4"

Desert® HR6**SAE 100R6/854 R6**

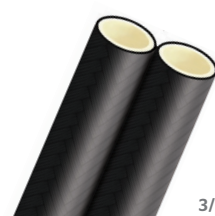
Low pressure, high temperature textile reinforced applications..



1/8" - 1"

SR7**SAE 100R7/855 R7**

Medium pressure, thermoplastic hose with a perforated cover.



3/16" - 1/2"

TR7**SAE 100R7 (Twin-Line)**

Medium pressure, twin-line thermoplastic hose with a perforated cover.



1/8" - 1"

NR7**SAE 100R7 (Non-Conductive)**

Medium pressure, thermoplastic hose with a non-perforated cover.



1/4" - 1/2"

BR7**SAE 100R7****(Twin-Line, Non-Conductive)**

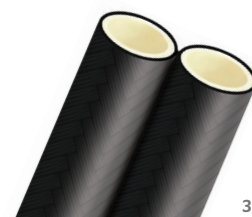
Medium pressure, twin-line thermoplastic hose with a non-perforated cover.



3/16" - 1/2"

SR8**SAE 100R8/855 R8**

High pressure, thermoplastic hose with a perforated cover.



3/4" - 1/2"

TR8**SAE 100R8 (Twin-Line)**

High pressure, twin-line, thermoplastic hose with a perforated cover.



1/4" - 1/2"

NR8**SAE 100R8 (Non-Conductive)**

High pressure, thermoplastic hose with a non-perforated cover.



1/4" - 1"

S4SP**EN 856 4SP/DIN 20023 4SP**

A 4-spiral hydraulic hose for very high pressure applications.



3/4" - 2"

S4SH**EN 856 4SH/DIN 20023 4SH**

A 4-spiral hydraulic hose for very high pressure, pulsating applications.



3/8" - 2"

SR12**SAE 100R12/856 R12**

A 4-spiral hydraulic hose for very high pressure applications subject to surges or flexing.



3/8" - 2"

Armorcoat™ ARC12**SAE 100R12/856 R12**

For very high pressure applications subject to surges or flexing and requiring an abrasion-resistant cover.



3/4" - 2"

SR13**SAE 100R13/856 R13**

A 4- and 6-spiral hose for very high pressure applications subject to surges or flexing.



3/4" - 2"

Armorcoat™ ARC13**SAE 100R13/856 R13**

A 4- and 6-spiral hose for very high pressure applications subject to surges or flexing and requiring maximum abrasion resistance.



3/16" - 1"

SR14A**SAE 100R14A**

PTFE line hose for air compressor discharge, hot oils and fluids, used under demanding physical conditions.



1/2" - 2"

SR15

SAE 100R15

A 4- and 6-spiral hose for severe high pressure applications.

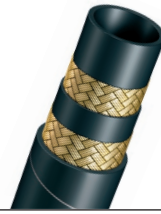


1/2" - 1"

Armorcoat™ ARC15

SAE 100R15

A 4-spiral hose for severe high pressure and abrasive applications.

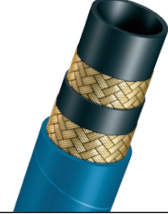


1/4" - 1 1/4"

SR16SC

SAE 100R16/857 2SC

For high pressure service with tight bends exceeding SAE 100R2 and SAE 100R16 standards.

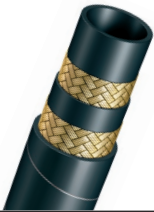


1/4" - 1"

Desert® DR16SC

SAE 100R16

High pressure 2-braid hose with excellent impulse performance and high flexibility.



1/4" - 1"

Armorcoat™ ARC16SC

SAE 100R16/857 2SC

For high pressure service with tight bends requiring ultimate abrasion resistance.

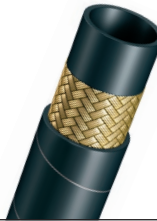


1/4" - 1"

XR16SC

SAE 100R16/857 2SC

For high pressure service with tight bends requiring maximum abrasion resistance.

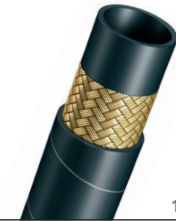


1/4" - 1"

SCP3

SAE J1942

For high pressure hydraulic applications designed to replace where higher pressures and a more flexible hose are required.



1/4" - 1/2"

Armorcoat™ ACP3

SAE 100R17

For high pressure hydraulic applications requiring greater flexibility and ultimate abrasion resistance.



1/4" - 1"

XCP3

SAE 100R17

For high pressure hydraulic applications replacing SAE 100R17 with greater flexibility and superior



1/4" - 1/2"

SR18

SAE 100R18

Thermoplastic hose, highly flexible even in cold temperatures.

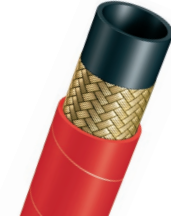


1/4" - 1/2"

NSFLEX

SAFLEX®

Medium pressure, non-conductive applications where shock hazards exist.



1/4" - 1"

SFS

Fire Suppression Hose

Medium pressure fire suppressant applications for mining, forestry and firefighting equipment.



3/16" only

SGUN

Grease Gun Hose

Used as a grease whip hose or general purpose lubrication line.



1/4" - 3/8"

SHJ

Jack Hose

For extreme high pressure hydraulic lines for jacking systems.



1/4" - 1"

Insta-Grip 300™

Push-On

For use with push-on fittings, 300 psi and applications requiring non-conductivity.



1/4" - 3/4"

Insta-Grip HT 300™

Push-On

For use with push-on fittings at working pressures up to 300 psi.



3/16" - 1"

Insta-Grip Plus 300™**Push-On**

For use with push-on fittings, 300 psi and applications requiring abrasion-resistant cover.



1/4" - 3/4"

Insta-Grip TC™**Push-On**

For low pressure hydraulic and pneumatic systems.



5/16" - 3/4"

Galaxy® 4890, 4826, 4867**Air Conditioning Hose**

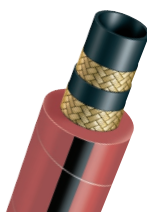
For AC applications requiring Cool Clip™ or Cool Crimp™ fittings.



1" - 3"

Prospector™ Slim Hole Rotary**SHR**

For high pressure slim hole, seismograph, work-over or portable drill rigs.



3/8" - 1"

Prospector™ BOP 3000**Blow Out Prevention**

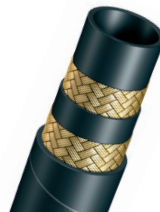
For hydraulic connection between the well control equipment and the control system in oil and gas exploration.



3/8" - 2"

Prospector™ BOP 5000**Blow Out Prevention**

For hydraulic connection between the well control equipment and the control system in oil and gas exploration.



1 1/2"

Hot Oiler**Static Pressure**

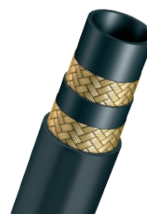
For initiating the flow of hot oil (275°F/135°C continuous; 300°F/149°C intermittent) and bringing it to the surface.



3/8" - 1/2"

M-3992 Type I, Class 1**Military**

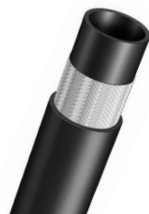
For low pressure flexible connections in air brake systems.



7/32" - 7/8"

MIL-DTL-8788**Military**

High pressure hydraulic systems requiring interoperability and compatibility with associated components and equipment.



3/16" - 3/4"

MIL-DTL-13444H Type I**Military**

Fuel and oil lines in military vehicles.



3/16" - 1 1/2"

MIL-DTL-13444H Type III**Military**

For medium pressure hydraulic oil and fuel lines.



3/16" - 1"

MIL-DTL-13531 Type II, Class A**Military**

Medium and high pressure hydraulic systems.

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. Low, medium and high pressure fittings are available for braided, spiral and thermoplastic hose. Fittings include Ultra-Crimp™ (1-piece), Uni-Crimp™ (2-piece), Dual-Grip™ (2-piece), Field-Grip™ (reattachable), push-on and air conditioning. Our brand line of thread ends include SAE, NPTF, JIC, British Standard, DIN and JIS. End configurations include straights, swivels, elbows and flanges. Find the fittings and threads you need from one source.

Key Features



Bite-to-Wire

These one-piece 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.



No Skive

Assemblies made faster, with fewer steps and less mess.

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.



Full Line of High Pressure Spiral Hose Couplings

- › Code 61 and Code 62 fittings for SAE 100R12 and 100R13
- › Can be used on 1 & 2 wire braided also
- › Solid one-piece flanged fitting; no braze or weld joints



Field-Grip™ Fittings

Non-skive, reattachable
easy installation



Push-On Fittings

Fittings compatible with push-on hose, including Insta-Grip 300™, Insta-Grip Plus 300™ and Insta-Grip TC™



A/C Fittings

Cool Clip® and Crimp fittings



Adapters

Change existing end styles

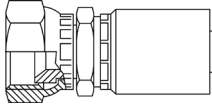


Continental ContiTech Hydraulic Fittings

JIC 37°

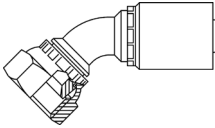
JCFX

JIC 37°
Female
Swivel



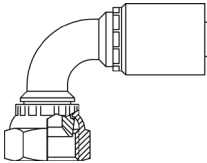
JCFX45

JIC 37°
Female
45° Elbow
Swivel



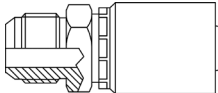
JCFX90, JCFX90L, JCFX90S

JIC 37°
Female
90° Elbow
Swivel



JCM

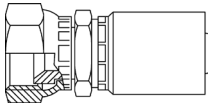
JIC 37°
Male



SAE 45°

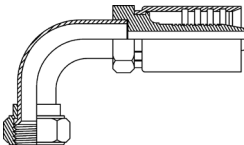
SFFX

SAE 45°
Female
Swivel



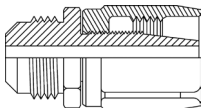
SFFX90

SAE 45°
Female
90° Elbow
Swivel



SFM

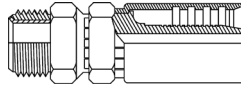
SAE 45°
Male



INV. 45°

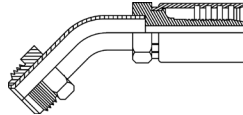
SIMX

Inv. 45°
Male
Swivel



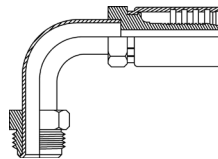
SIMX45

Inv. 45°
Male
45° Elbow
Swivel



SIMX90

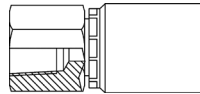
Inv. 45°
Male
90° Elbow
Swivel



NPTF

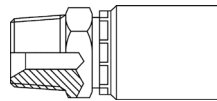
NPF

NPTF
Female



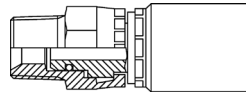
NPM

NPTF
Male



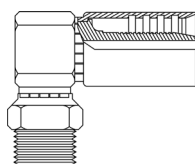
NPMX

NPTF
Male
Swivel



NPMX90B

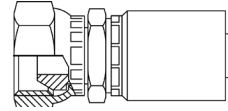
NPTF
Male
90° Elbow
Swivel



NPSM

NSFX

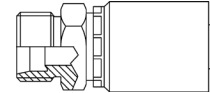
NPSM
Female
Swivel



Tube Fitting

FTM

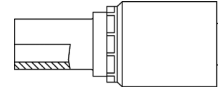
Tube Fitting
Male



Standpipe

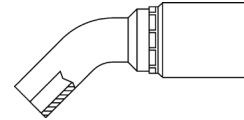
SP

Standpipe



SP45

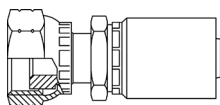
Standpipe
45° Elbow



ORFS

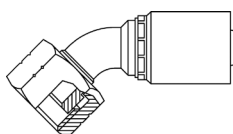
OFFX

ORFS
Female
Swivel



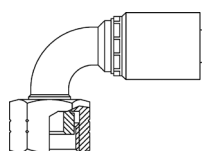
OFFX45

ORFS
Female
45° Elbow
Swivel



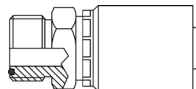
OFFX90, OFFX90L, OFFX90S

ORFS
Female
90° Elbow
Swivel



OFM

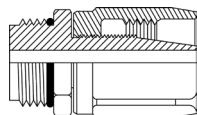
ORFS
Male



OR Boss

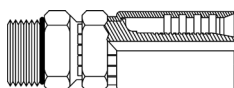
OBM

OR Boss
Male



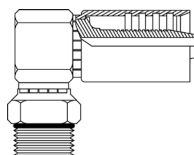
OBMX

OR Boss
Male
Swivel



OBMX90B

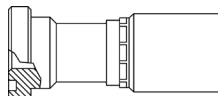
OR Boss
Male
90° Elbow
Swivel



Code 61

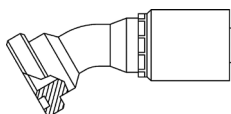
FL

Code 61



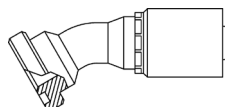
FL22

Code 61
22.5° Elbow



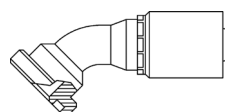
FL30

Code 61
30° Elbow



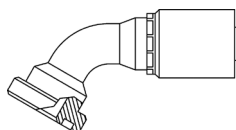
FL45

Code 61
45° Elbow



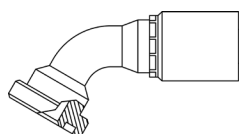
FL60

Code 61
60° Elbow



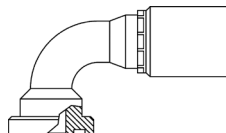
FL67

Code 61
67° Elbow



FL90

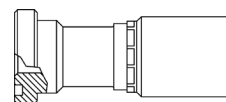
Code 61
90° Elbow



Code 62

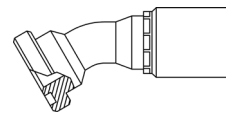
FH

Code 62



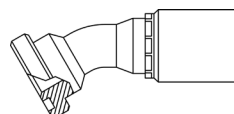
FH22

Code 62
22° Elbow



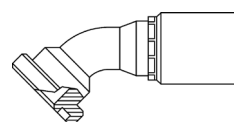
FH30

Code 62
30° Elbow



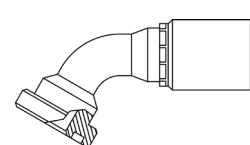
FH45

Code 62
45° Elbow



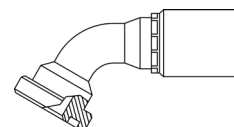
FH60

Code 62
60° Elbow



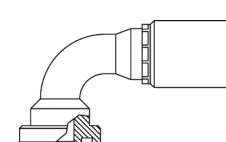
FH67

Code 62
67° Elbow



FH90

Code 62
90° Elbow

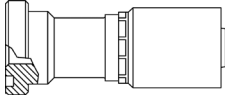


Continental ContiTech Hydraulic Fittings

CAT® Flange

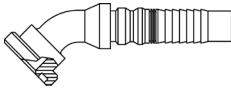
CF

CAT Flange



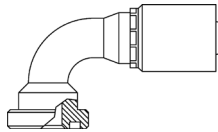
CF45

CAT Flange
45° Elbow



CF90

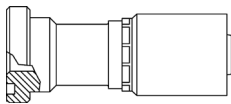
CAT Flange
90° Elbow



Komatsu® Flange

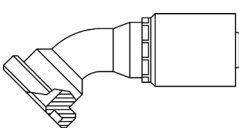
KF

Kom. Flange



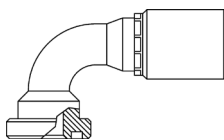
KF45

Kom. Flange
45° Elbow



KF90

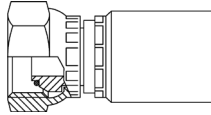
Kom. Flange
90° Elbow



BSPP

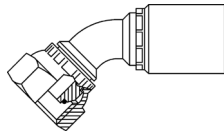
BPFX

BSPP
Female
Swivel



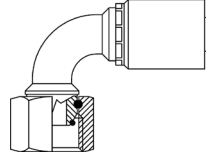
BPFX45

BSPP
Female
45° Elbow
Swivel



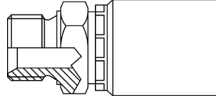
BPFX90

BSPP
Female
90° Elbow
Swivel



BPM

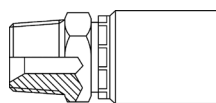
BSPP
Male



BSPT

BTM

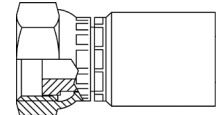
BSPT
Male



BSP Flat Seat

BFFX

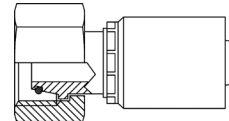
BSP Flat Seat
Female
Swivel



DIN 24° L

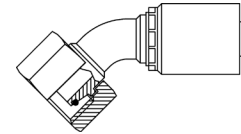
DLFX

DIN 24° L
Female
Swivel



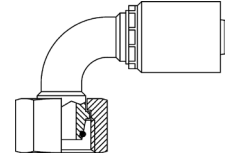
DLFX45

DIN 24° L
Female
45° Elbow
Swivel



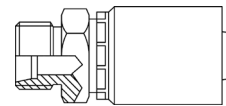
DLFX90

DIN 24° L
Female
90° Elbow
Swivel



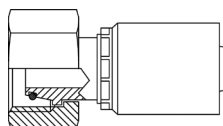
DLM

DIN 24° L
Male

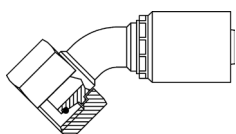


DIN 24° H**DHFX**

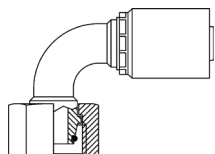
DIN 24° H
Female
Swivel

**DHFX45**

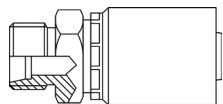
DIN 24° H
Female
45° Elbow
Swivel

**DHFX90**

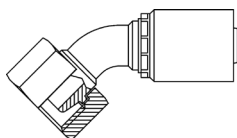
DIN 24° H
Female
90° Elbow
Swivel

**DHM**

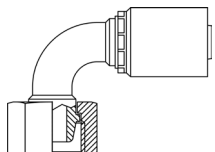
DIN 24° H
Male

**DIN 60°****DNFX45**

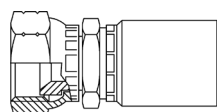
DIN 60°
Female
45° Elbow
Swivel

**DNFX90**

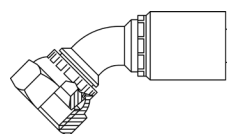
DIN 60°
Female
90° Elbow
Swivel

**Komatsu® 30° Metric****KMFX**

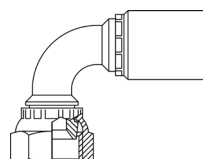
Kom. 30° Metric
Female
Swivel

**KMFX45**

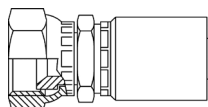
Kom. 30° Metric
Female
45° Elbow
Swivel

**KMFX90**

Kom. 30° Metric
Female
90° Elbow
Swivel

**JIS 30°****JSFX**

JIS 30°
Female
Swivel



Perma-Crimp™ Equipment & Accessories

Crimpers to complete the total assembly solution. We also offer crimper dies, cabinets, pumps, cut-off saws, skivers, hose/fitting pushers and hose assembly test benches.



Perma-Crimp PC125M

- › Lightweight for portable field use
- › Three power options. Attach hand, air or electrical pump
- › Capable of crimping up to 1¼" 2-braid and 1¼" 4-spiral hose



Perma-Crimp PC125

- › Suitable for shop service and bench mounting
- › Includes 1-HP electric pump on a common base
- › Capable of crimping up to 1¼" 2-braid and 1¼" 4-spiral hose



Perma-Crimp PSW100 & 101

- › Positive stop crimper conversion kits
- › Die sets allow you to use existing equipment with Continental ContiTech brand hose



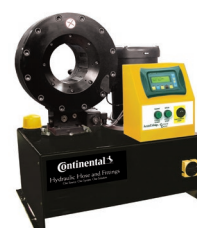
Perma-Crimp PC150

- › Stationary crimper with more power to manufacture hose assemblies
- › Includes 2-HP electric pump on a common base for bench mounting
- › Capable of crimping up to 1½" 2-braid and 4-spiral hose
- › Special dies allow crimping up to 2"



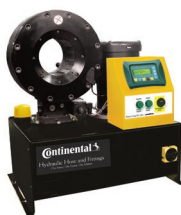
Perma-Crimp PC150H

- › High-volume, stationary crimper
- › 1-HP power source
- › Capable of crimping up to 1½" 2-braid and 4-spiral hose



Perma-Crimp PC200-P

- › High-capacity, stationary, "production" crimper
- › 7.5-HP power source
- › Microprocessor control for fast and accurate adjustments
- › Capable of crimping up to 2" 6-spiral hose



Perma-Crimp PC400-P

- › High-capacity, stationary "production" crimper
- › 7.5-HP power source
- › Capable of crimping up to 2" 6-spiral hydraulic and 4" industrial hose



Perma-Crimp PC600L-P

- › High-volume, high-capacity "production" crimper
- › 7.5-HP power source, 350-ton cylinder
- › Fully automated ACT programmable controller
- › Capable of crimping up to 2½" braided spiral hydraulic and up to 6" industrial hose



Perma-Crimp®PC1000-P

- › High-volume, high-capacity stationary crimper
- › 7.5-HP power source, 450 tons
- › Fully automated ACT Programmable controller
- › Capable of crimping up to 2½" braided hydraulic and 10" industrial hose

ContiTech



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ContiTech. Engineering Next Level

As a division of the Continental Group, ContiTech is a recognized innovation and technology leader in natural rubber and plastics. As an industry partner with a firm future ahead of us, we engineer solutions both with and for our customers around the world. Our bespoke solutions are specially tailored to meet the needs of the market. With extensive expertise in materials and processes, we are able to develop cutting-edge technologies while ensuring we make responsible use of resources. We are quick to respond to important technological trends, such as function integration, lightweight engineering and the reduction of complexity, and offer a range of relevant products and services. That way, when you need us, you'll find we're already there.