FLUID HOSE
& COUPLING INC.

Hydraulics

Hydraulic Hose, Fittings and Equipment

www.fluidhose.com

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.

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.

Hydraulic Equipment

One System includes a broad selection of hydraulic assembly equipment.

One Solution.

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

- 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.

One Source Distribution Network

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

Hydraulic Hose

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

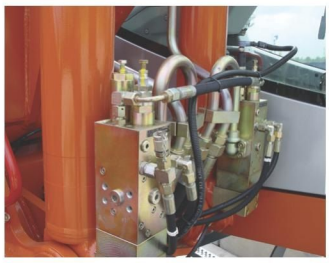
Produced to ISO 9001 certification, hoses undergo state-of-the-art manufacturing processes and meet the applied international standards of SAE J517, EN 853, EN 854, EN 855, EN 856, EN 857 and DIN 20023.

Key Features

Hose Cover
- Super tough, for maximum abrasion applications
- Can replace protective sleeves
- Mine Safety and Health Administration (MSHA) rated

Low Temperature Hose
- -58˚F (-50˚C) low temperature service

Braided Hose
- Higher EN / DIN pressures



Low Pressure Hose

- 300 - 1250 psi
- Textile reinforcement
- 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
- abrasion cover available
- Very high pressure and high pulsating applications up to 6000 psi
- MSHA covers
- Wide range of 1-piece, non-skive, fittings

Fleet Applications

- Air conditioning hose
- Military vehicles

Desert™ High Temperature Hose

- 302˚F (150˚C) high temperature service

High Temperature Hose

- 275°F (135°C)

Non-Conductive Hose

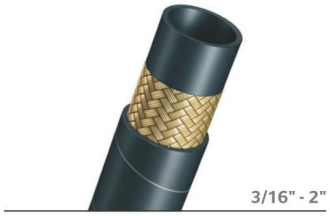
- NSFX (Saflex®) medium pressure hydraulic applications
- Thermoplastic Hose

Teflon® Hose

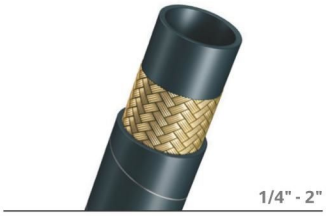
- 450˚F (232˚C) continuous service
- Chemical resistance
- Stainless steel braided cover

Our Hose Product Line

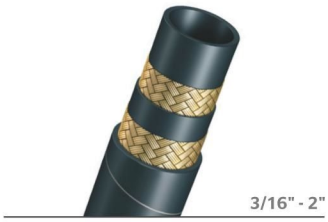
From low pressure to very high pressure applications,



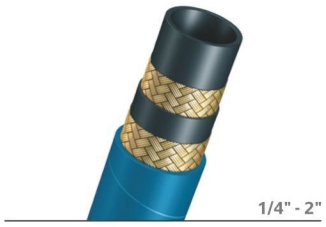
SAE 100R1AT/1SN
Hydraulic applications requiring 1-braid hose at higher EN/DIN pressures.



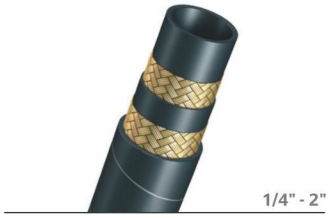
SAE 100R1AT/1SN
High temperature, 1-braid hose at EN/DIN pressures.



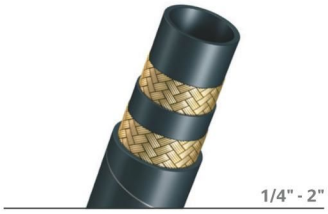
SAE 100R2AT/2SN
Hydraulic applications requiring 2-braid hose at higher EN/DIN pressures.



SAE 100R2AT/2SN
High temperature 2-braid hose at EN/DIN pressures.

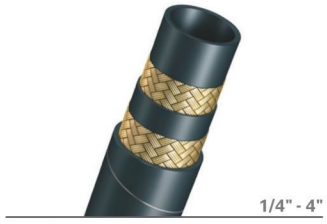


SAE 100R2AT/2SN
High pressure and high temperature applications requiring an abrasion-resistant cover.

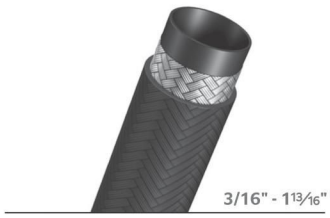


SAE 100R2AT/2SN
High pressure, low temperature hydraulic oil lines.

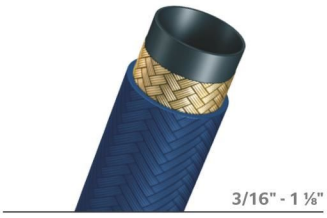
SAE 100R3/EN 854 R3
Low pressure, 2 textile braid reinforced hose.



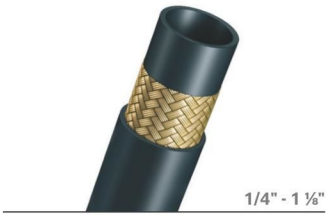
SAE 100R4
Low pressure, high temperature return line or suction line.



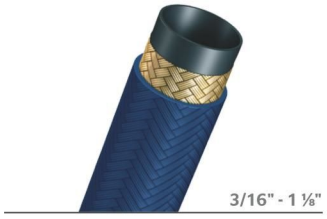
General purpose, medium pressure applications.



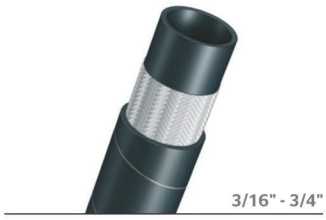
SAE 100R5/SAE J1942
Medium pressure, high temperature blue textile cover reinforced with 1-braid steel wire..



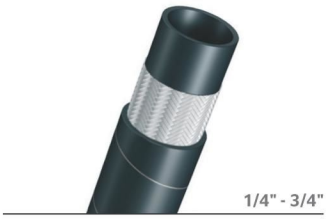
SAE 100R5-type
Rubber covered, USCG approved.



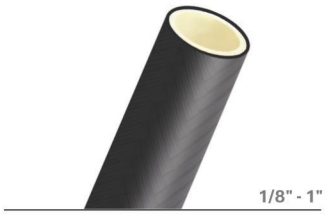
SAE J1402 Type A1
High temperature, medium pressure fleet applications.



SAE 100R6/854 R6
Low pressure, textile reinforced applications.



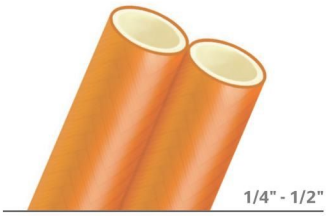
SAE 100R6/854 R6
Low pressure, high temperature textile reinforced applications..



SAE 100R7/855 R7
Medium pressure, thermoplastic hose with a perforated cover.

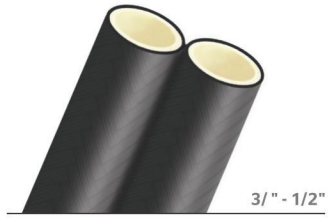
SAE 100R7 (Twin-Line)
Medium pressure, twin-line thermoplastic hose with a perforated cover.

SAE 100R7 (Non-Conductive)
Medium pressure, thermoplastic hose with a non-perforated cover.

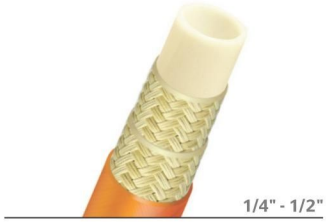


SAE 100R7
(Twin-Line, Non-Conductive)
Medium pressure, twin-line thermoplastic hose with a non-perforated cover.

SAE 100R8/855 R8
High pressure, thermoplastic hose with a perforated cover.



SAE 100R8 (Twin-Line)
High pressure, twin-line, thermoplastic hose with a perforated cover.



SAE 100R8 (Non-Conductive)
High pressure, thermoplastic hose with a non-perforated cover.

EN 856 4SP/DIN 20023 4SP
A 4-spiral hydraulic hose for very high pressure applications.

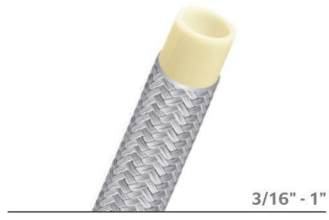
EN 856 4SH/DIN 20023 4SH
A 4-spiral hydraulic hose for very high pressure, pulsating applications.

SAE 100R12/856 R12
A 4-spiral hydraulic hose for very high pressure applications subject to surges or flexing.

SAE 100R12/856 R12
For very high pressure applications subject to surges or flexing and requiring an abrasion-resistant cover.

SAE 100R13/856 R13
A 4- and 6-spiral hose for very high pressure applications subject to surges or flexing.

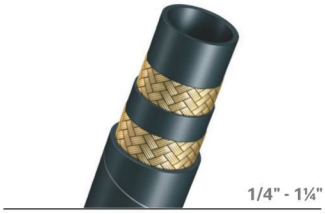
SAE 100R13/856 R13
A 4- and 6-spiral hose for very high pressure applications subject to surges or flexing and requiring maximum abrasion resistance.



SAE 100R14A
PTFE line hose for air compressor discharge, hot oils and fluids, used under demanding physical conditions.

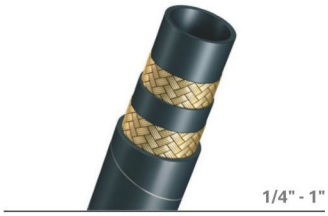
SAE 100R15
A 4- and 6-spiral hose for severe high pressure applications.

SAE 100R15
A 4-spiral hose for severe high pressure and abrasive applications.

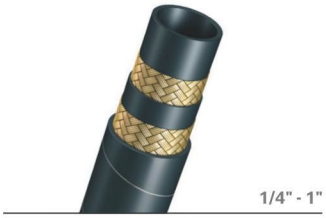


SAE 100R16/857 2SC
For high pressure service with tight bends exceeding SAE 100R2 and SAE 100R16 standards.

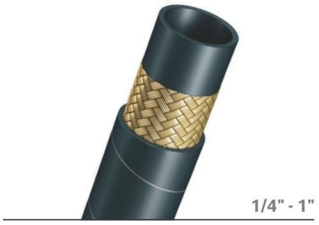
SAE 100R16
High pressure 2-braid hose with excellent impulse performance and high flexibility.



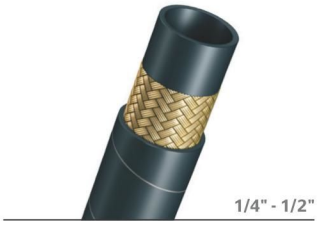
SAE 100R16/857 2SC
For high pressure service with tight bends requiring ultimate abrasion resistance.



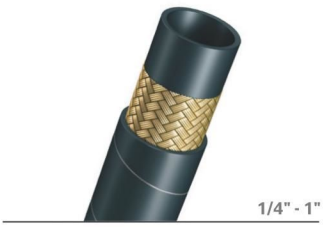
SAE 100R16/857 2SC
For high pressure service with tight bends requiring maximum abrasion resistance.



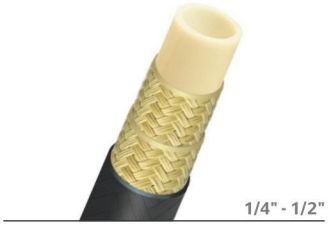
SAE J1942
For high pressure hydraulic applications designed to replace where higher pressures and a more flexible hose are required.



SAE 100R17
For high pressure hydraulic applications requiring greater flexibility and ultimate abrasion resistance.

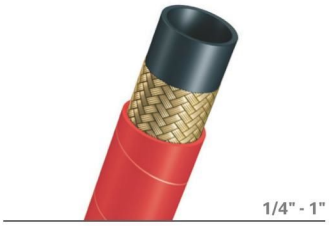


SAE 100R17
For high pressure hydraulic applications replacing SAE 100R17 with greater flexibility and superior abrasion resistance.



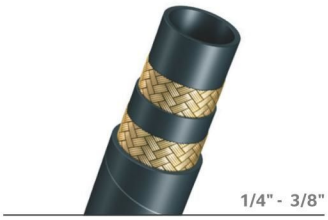
SAE 100R18
Thermoplastic hose, highly flexible even in cold temperatures.

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



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

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



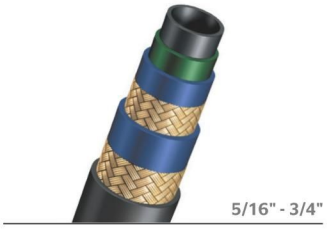
Jack Hose
For extreme high pressure hydraulic lines for jacking systems.

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

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

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

Push-On
For low pressure hydraulic and pneumatic systems.



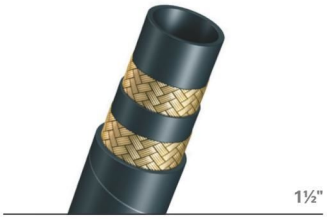
Air Conditioning Hose
For AC applications requiring Cool Clip™ or Cool Crimp™ fittings.

Rotary

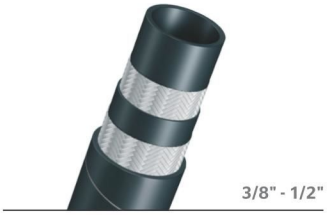
SHR
For high pressure slim hole, seismograph, work-over or portable drill rigs.

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

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



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.

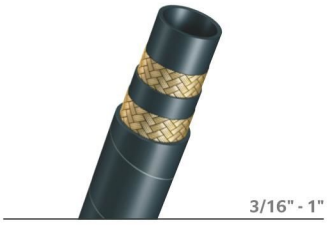


Military
For low pressure flexible connections in air brake systems.

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

Military
Fuel and oil lines in military vehicles.

Military
For medium pressure hydraulic oil and fuel lines.



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

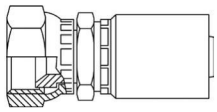
Adapters

Change existing end styles

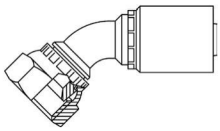
Hydraulic Fittings

JIC 37°

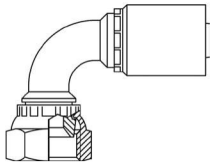
JIC 37°
Female
Swivel



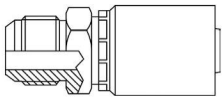
JIC 37°
Female
45° Elbow
Swivel



JIC 37°
Female
90° Elbow
Swivel

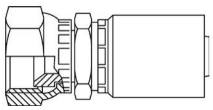


JIC 37°
Male

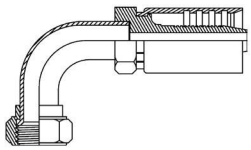


SAE 45°

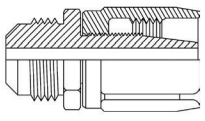
SAE 45°
Female
Swivel



SAE 45°
Female
90° Elbow
Swivel

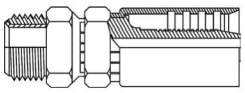


SAE 45°
Male

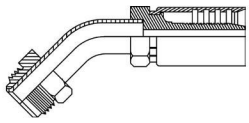


INV. 45°

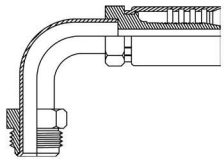
Inv. 45°
Male
Swivel



Inv. 45°
Male
45° Elbow
Swivel

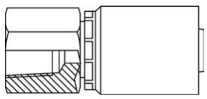


Inv. 45°
Male
90° Elbow
Swivel

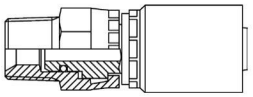


NPTF

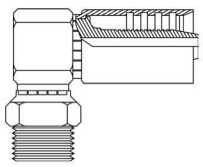
NPTF
Female



NPTF
Male
Swivel

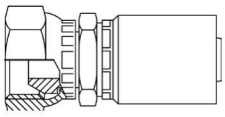


NPTF
Male
90° Elbow
Swivel



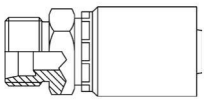
NPSM

NPSM
Female
Swivel



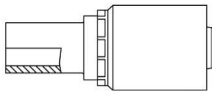
Tube Fitting

Tube Fitting
Male

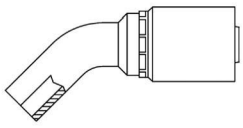


Standpipe

Standpipe

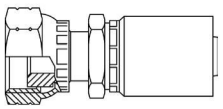


Standpipe
45° Elbow

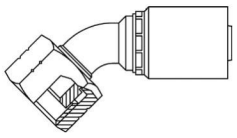


ORFS

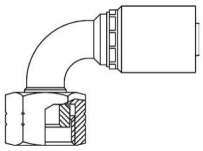
ORFS
Female
Swivel



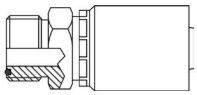
ORFS
Female
45° Elbow
Swivel



ORFS
Female
90° Elbow
Swivel

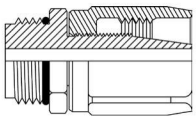


ORFS
Male

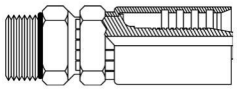


OR Boss

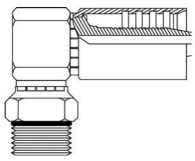
OR Boss
Male



OR Boss
Male
Swivel

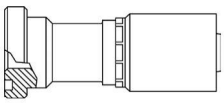


OR Boss
Male
90° Elbow
Swivel

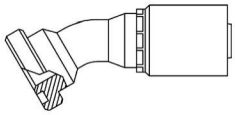


Code 61

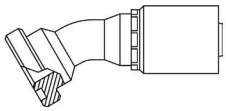
Code 61



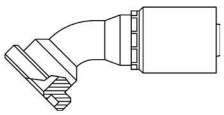
Code 61
22.5° Elbow



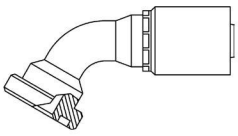
Code 61
30° Elbow



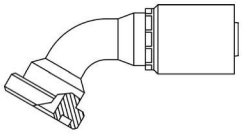
Code 61
45° Elbow



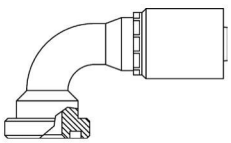
Code 61
60° Elbow



Code 61
67° Elbow

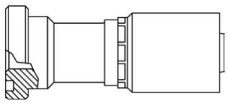


Code 61
90° Elbow

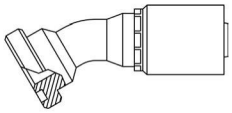


Code 62

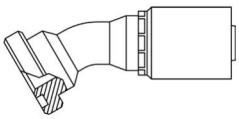
Code 62



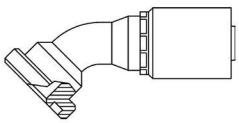
Code 62
22° Elbow



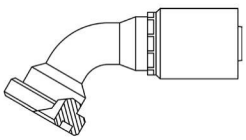
Code 62
30° Elbow



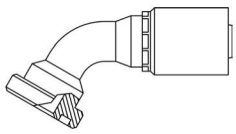
Code 62
45° Elbow



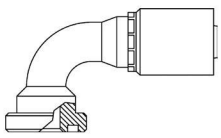
Code 62
60° Elbow



Code 62
67° Elbow



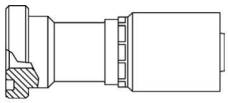
Code 62
90° Elbow



CAT® Flange

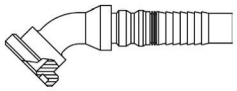
CF

CAT Flange



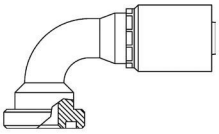
CF45

CAT Flange
45° Elbow



CF90

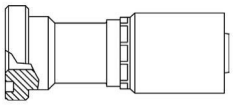
CAT Flange
90° Elbow



Komatsu® Flange

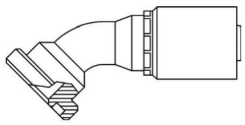
KF

Kom. Flange



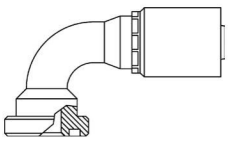
KF45

Kom. Flange
45° Elbow



KF90

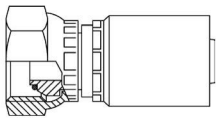
Kom. Flange
90° Elbow



BSPP

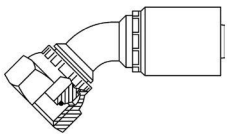
BPFN

BSPP
Female
Swivel



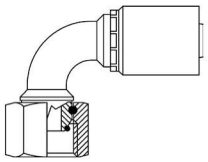
BPFX45

BSPP
Female
45° Elbow
Swivel



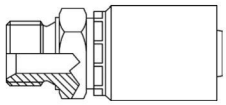
BPFX90

BSPP
Female
90° Elbow
Swivel



BPM

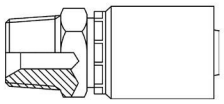
BSPP
Male



BSPT

BTM

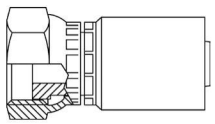
BSPT
Male



BSP Flat Seat

BFSX

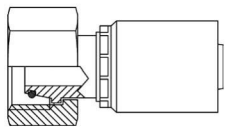
BSP Flat Seat
Female
Swivel



DIN 24° L

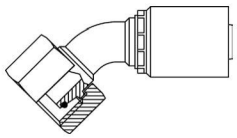
DLFX

DIN 24° L
Female
Swivel



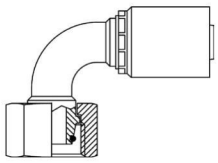
DLFX45

DIN 24° L
Female
45° Elbow
Swivel



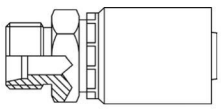
DLFX90

DIN 24° L
Female
90° Elbow
Swivel



DLM

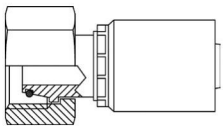
DIN 24° L
Male



DIN 24° H

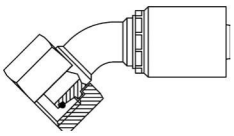
DHFX

DIN 24° H
Female
Swivel



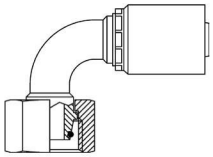
DHFX45

DIN 24° H
Female
45° Elbow
Swivel



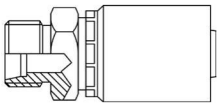
DHFX90

DIN 24° H
Female
90° Elbow
Swivel



DHM

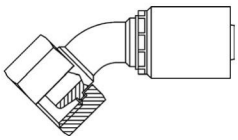
DIN 24° H
Male



DIN 60°

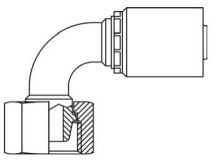
DNFX45

DIN 60°
Female
45° Elbow
Swivel



DNFX90

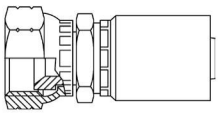
DIN 60°
Female
90° Elbow
Swivel



Komatsu® 30° Metric

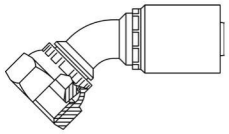
KMFX

Kom. 30° Metric
Female
Swivel



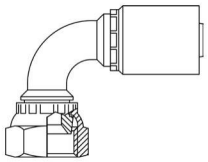
KMFX45

Kom. 30° Metric
Female
45° Elbow
Swivel



KMFX90

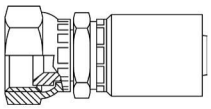
Kom. 30° Metric
Female
90° Elbow
Swivel



JIS 30°

JSFX

JIS 30°
Female
Swivel



CRIMPER PROGRAM AVAILABLE

BELOW CRIMPERS AT NO COST

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