



HYDRAULIC HOSE AND FITTINGS

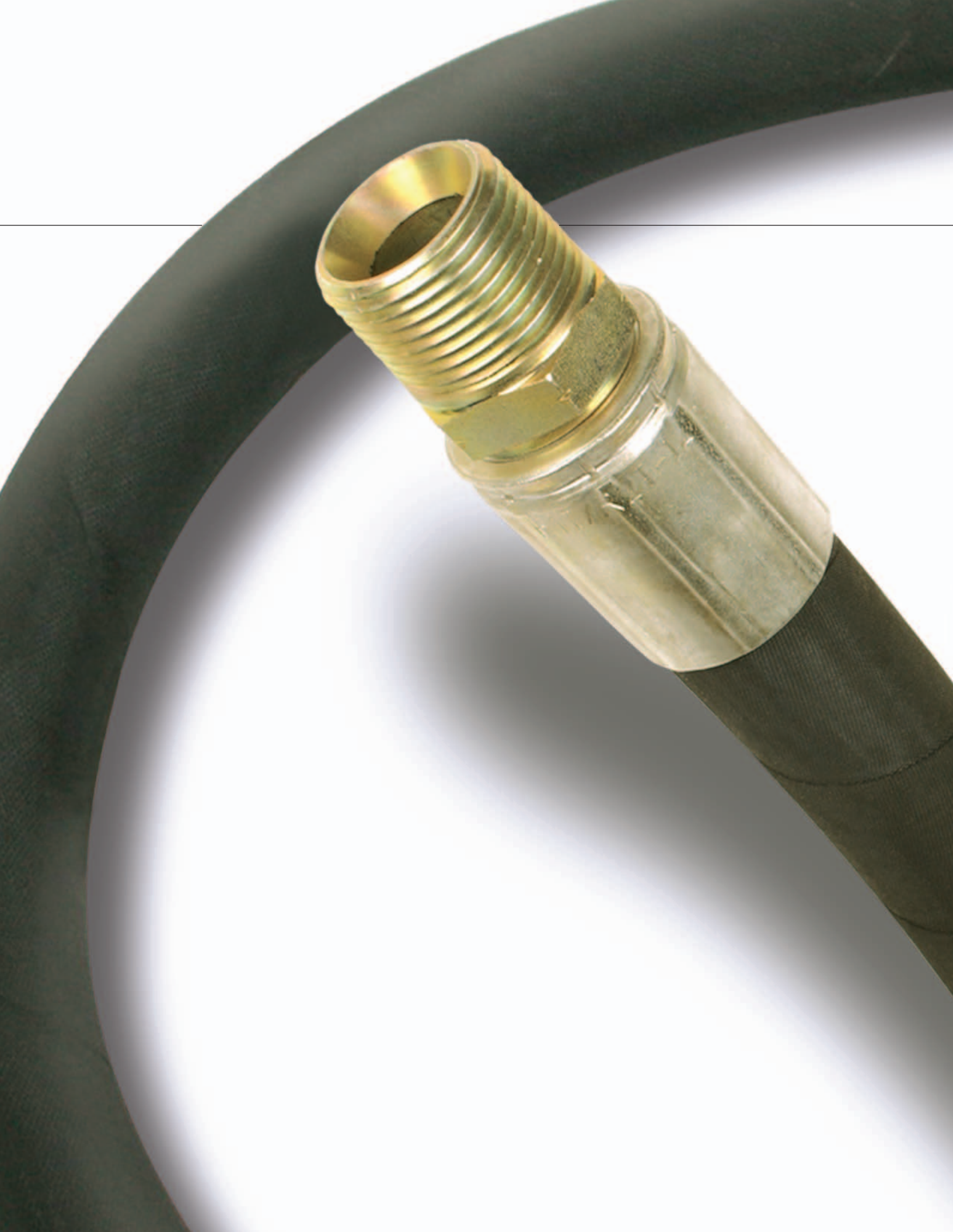
HYDRAULIC HOSE, FITTINGS AND EQUIPMENT

one source
one system
one solution

1



GOODYEAR
ENGINEERED PRODUCTS



Full-line products, full-service growth.

Goodyear Engineered Products offers the resources hydraulic customers need.



1
one source
one system
one solution



From construction and agriculture to manufacturing and transportation, Goodyear Engineered Products offers complete industrial hydraulics hose solutions for your applications. We're your one SOURCE, one SYSTEM, one SOLUTION provider with innovative hydraulic hose and products that meet major global standards.

Goodyear prides itself on being the ultimate solution provider by backing you up 100% with quality service and local support on a global basis. As a single solution supplier for all hydraulic assembly components, including hose, fittings, adapters and the method of assembly. Goodyear has redefined hydraulic assembly.

HYDRAULIC HOSE ASSEMBLY SYSTEMS THAT PERFORM

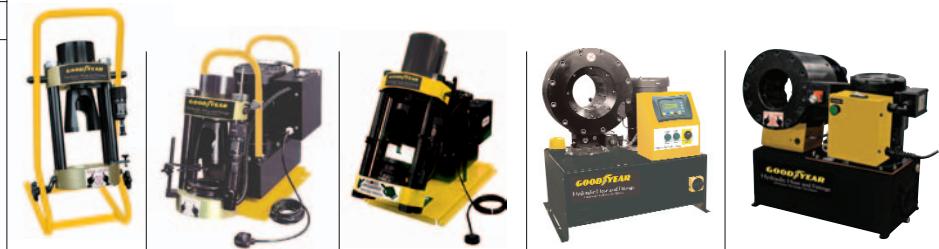
GOODYEAR HYDRAULIC HOSE AND FITTINGS

One **SOURCE** provides the hose and fittings that meet global performance standards, including SAE, DIN, JIS, USCG and ABS.



GOODYEAR HYDRAULIC EQUIPMENT

One **SYSTEM** includes a broad selection of hydraulic assembly equipment.



PERMA-CRIMP™ SYSTEM

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



Service and Support to Back You Up From One Source

Goodyear Engineered Products is 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.
- OneSource Distribution Network for industrial hose and hydraulics.
- Local support on a global basis to assist in your applications.

**One Source
Distribution
Network**

The collage includes a customer service representative wearing a headset, a Goodyear hydraulic hose and fittings catalog titled "HYDRAULIC HOSE, FITTINGS AND EQUIPMENT", a screenshot of the Goodyear website showing the "GOODYEAR Hydraulic Hose and Fittings" page, and a warehouse worker in a yellow safety vest standing next to a cardboard box.

Goodyear Engineered Products Hydraulic Hose

Designers and engineers are discovering new applications for hydraulic power. Whether the application is construction, mining, agriculture, manufacturing or transportation, Goodyear has a hose to meet the diverse needs of our customers, because Goodyear provides hose products that meet all major global hose standards.

Produced to ISO 9001 certification, Goodyear's hydraulic hose 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 cover for high abrasion applications.
- Can replace protective sleeves.
- Mine Safety and Health Administration (MSHA) rated.
- CR2SN (SAE 100R2AT/2SN), AR12 (SAE 100R12/EN 856 R12), AR13 (SAE 100R13/EN 856 R13), AR15 (SAE 100R15), AR16SC (SAE 100R16/EN 857 2SC) and AR17 (SAE 100R17) hydraulic applications.



Arctic™ Low Temperature Hose

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



Low Pressure Hose

- 300 - 1250 psi.
- Textile reinforcement.
- GR6 (SAE 100R6).
- GR4 (SAE 100R4).
- Push-On Hose, Insta-Grip 300™, Ultra-Grip 300™, Insta-GripTC™.



KEY FEATURES

Fleet Applications

- GR5 (SAE 100R5).
- HR5 (high temperature service).
- GUT (SAE J1402 Type A1).
- Air Conditioning Hose.



Desert™ High Temperature Hose

- 275° F high temperature service.
- HR1SN (SAE 100R1AT/1SN), HR2SN (SAE 100R2AT/2SN), CR2SN (SAE 100R2AT/2SN), HR6 (SAE 100R6/EN 854 R6) hydraulic applications, HR6 (SAE 100R6), HR4 (SAE 100R4).



Teflon Hose

- 500° F high temperature intermittent service.
- Chemical resistance.
- Stainless steel braided cover.
- GR14A (SAE 100R14).



Non-conductive Hose

- NSF6 (Saflex®) medium pressure hydraulic applications.
- Thermoplastic Hose including NR7 (SAE 100R7), NR8 (SAE 100R8), BR7 (SAE 100R7).



High Pressure Hose

- 4 and 6-spiral hose.
- Armorcoat™ abrasion cover available.
- Very high pressure and high pulsating applications up to 6000 psi.
- MSHA covers.
- GR12 (SAE 100R12/EN 856 R12), GR13 (SAE 100R13/EN 856 R13), GR15 (SAE 100R15), G4SH (EN 856 4SH/DIN 20023 4SH) and G4SP (EN 856 4SP/DIN 20023 4SP) hydraulic applications.



Braided Hose

- Higher EN / DIN pressures.
- Arctic™, Desert™, Armorcoat constructions.
- GR1SN (SAE 100R1AT/1SN), Desert HR1SN (SAE 100R1AT/1SN), GR2SN (SAE 100R2AT/2SN), Desert HR2SN (SAE 100R2AT/2SN), Arctic LR2SN (SAE 100R2AT/2SN), Armorcoat CR2SN (SAE 100R2AT/2SN), GR16 (SAE 100R16), GR16SC (SAE 100R16/857 2SC), Armorcoat AR16SC (SAE 100R16/857 2SC), GR17 (SAE100 R17), Armorcoat AR17 (SAE 100R17).
- GFS (Fire Suppression SAE 100R1AT).
- GCP3 (Constant Pressure 3000, SAE 100R17).

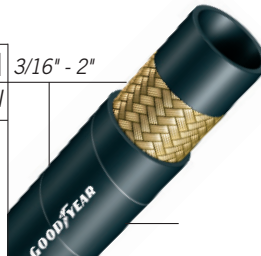


From low pressure to very high pressure applications, Goodyear has the hydraulic hose to fit your needs.

OUR HOSE PRODUCT LINE

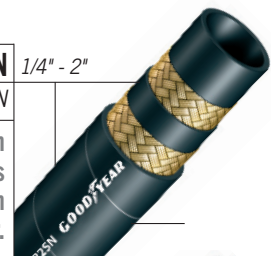
GR1SN *3/16" - 2"*
SAE 100R1AT/1SN

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



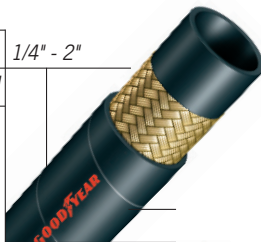
ARMORCOAT™ CR2SN *1/4" - 2"*
SAE 100R2AT/2SN

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



Desert™ HR1SN *1/4" - 2"*
SAE 100R1AT/1SN

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



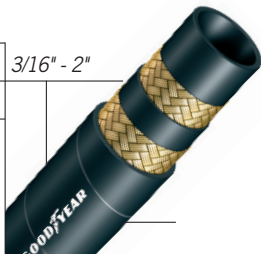
GR3 *1/4" - 1 1/4"*
SAE 100R3/EN 854 R3

Low pressure, textile reinforced hose.



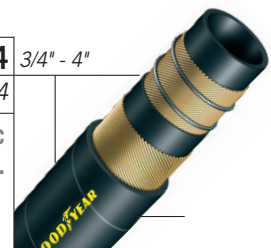
GR2SN *3/16" - 2"*
SAE 100R2AT/2SN

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



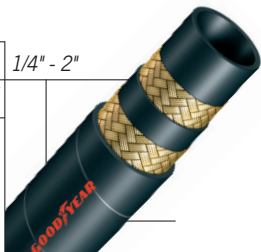
GR4 *3/4" - 4"*
SAE 100R4

Low pressure hydraulic return line or suction line.



Desert™ HR2SN *1/4" - 2"*
SAE 100R2AT/2SN

High pressure, high temperature hydraulic oil lines.



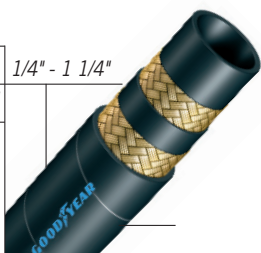
Desert™ HR4 *3/4" - 4"*
SAE 100R4

Low pressure, high temperature hydraulic return line or suction line.



ARCTIC™ LR2SN *1/4" - 1 1/4"*
SAE 100R2AT/2SN

High pressure, low temperature hydraulic oil lines.



GR5 *3/16" - 1 13/16"*
SAE 100R5

General purpose, medium pressure applications.



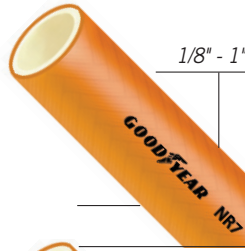


3/16" - 1 1/8"

Desert™ HR5

SAE 100R5

General purpose, medium pressure, high temperature applications.



1/8" - 1"

NR7

SAE 100R7 (Non-Conductive)

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

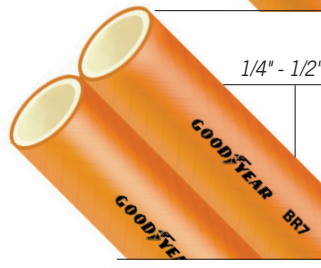


3/16" - 1 1/8"

GUT

SAE J1402 Type A1

High temperature, medium pressure fleet applications.



1/4" - 1/2"

BR7

SAE100R7 (Twin-Line, Non-Conductive)

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



1/4" - 3/4"

GR6

SAE 100R6/854 R6

Low pressure, textile reinforced applications.



3/16" - 1/2"

GR8

SAE 100R8/855 R8

High pressure, thermoplastic hose with a perforated cover.

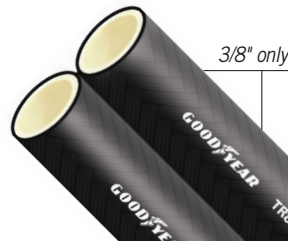


1/4" - 3/4"

Desert™ HR6

SAE 100R6/854 R6

Low pressure, high temperature textile reinforced applications.



3/8" only

TR8

SAE 100R8 (Twin-Line)

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



1/8" - 1"

GR7

SAE 100R7/855 R7

Medium pressure, thermoplastic hose with a perforated cover.

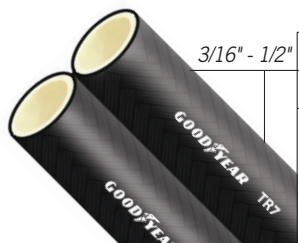


1/4" - 1/2"

NR8

SAE 100R8 (Non-Conductive)

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



3/16" - 1/2"

TR7

SAE 100R7 (Twin-Line)

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



1/4" - 1"

G4SP

EN 856 4SP/DIN 20023 4SP

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

From low pressure to very high pressure applications, Goodyear has the hydraulic hose to fit your needs.

OUR HOSE PRODUCT LINE

G4SH
EN 856 4SH/DIN 20023 4SH

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



GR12
SAE 100R12/856 R12

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



ARMORCOAT™ AR12
SAE 100R12/856 R12

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



GR13
SAE 100R13/856 R13

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



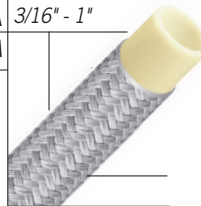
ARMORCOAT™ AR13
SAE 100R13/856 R13

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



GR14A
SAE 100R14A

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



GR15
SAE 100R15

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



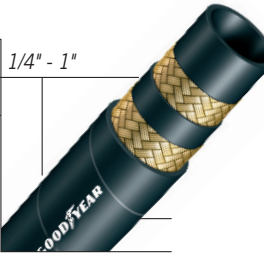
ARMORCOAT™ AR15
SAE 100R15

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



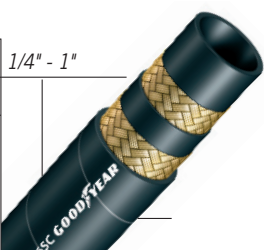
GR16SC
SAE 100R16/857 2SC

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



ARMORCOAT™ AR16SC
SAE 100R16/857 2SC

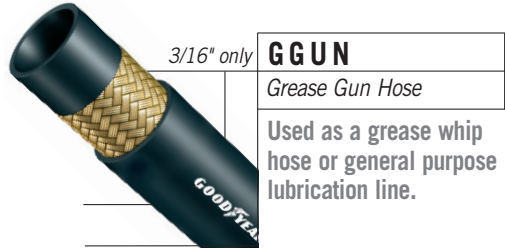
For high pressure service with tight bends requiring maximum abrasion resistance.





5/8" - 1" **GR 17**
SAE 100R17

A 1 and 2-braid hose for high pressure hydraulic applications requiring greater hose flexibility.



3/16" only **GGUN**
Grease Gun Hose

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



1/4" - 1/2" **ARMORCOAT™ AR17**
SAE 100R17

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



1/4" - 3/8" **GHJ**
Jack Hose

For extreme high pressure hydraulic lines for jacking systems.



1/4" - 1/2" **GCP3**
SAE100R17

For high pressure hydraulic applications replacing SAE100R17 with greater flexibility.



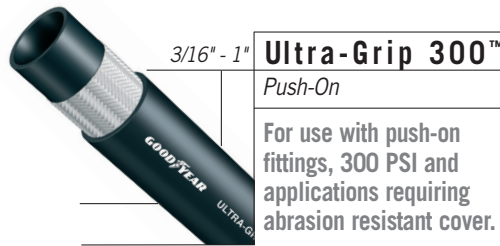
1/4" - 1" **Insta-Grip 300™**
Push-On

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



1/4" - 1/2" **GR 18**
SAE 100R18

Thermoplastic hose, highly flexible even in cold temperatures.



3/16" - 1" **Ultra-Grip 300™**
Push-On

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



1/4" - 1/2" **NSFX**
SAFLEX®

Medium pressure applications where shock hazards exist and hose non-conductivity required.



1/4" - 3/4" **Insta-Grip TC™**
Push-On

For low pressure hydraulic and pneumatic systems.



1/4" - 1" **GFS**
Fire Suppression Hose

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



5/16" - 3/4" **Galaxy® 4890, 4826, 4867**
Air Conditioning Hose

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

Goodyear Engineered Products Hydraulic Fittings

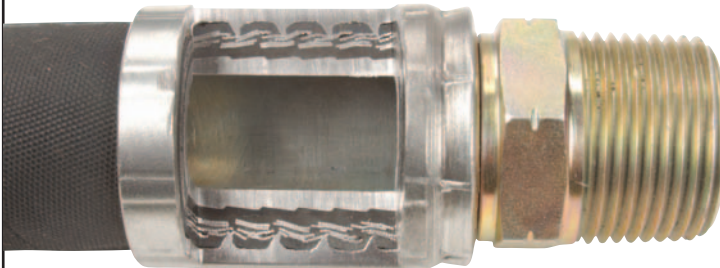
ONE SOURCE MANY SELECTIONS

Goodyear Engineered Products is 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 styles include straights, swivels, elbows and flanges. Find the fittings and threads you need, from one source. From Goodyear Engineered Products.

KEY FEATURES

Bite-to-Wire

These one-piece crimp fittings provide maximum coupling retention on 1 and 2-braid hose as well as four and six spiral hose. 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, 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.
- Solid one-piece flanged fitting; no braze or weld joints.



Field-Grip™ Fittings

- Non-skive, non-mandrel for easy installation.



Push-On Fittings

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



AC Fittings

- Cool Clip™ and Crimp 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

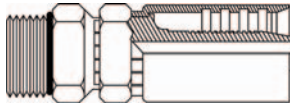
OBM
 OR Boss
 Male

OBMX

OR Boss

Male

Swivel



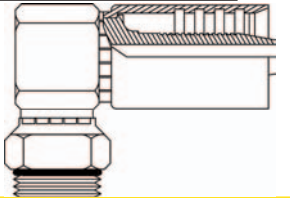
OBMX90B

OR Boss

Male

90° Elbow

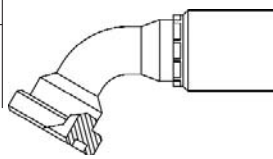
Swivel



FL67

Code 61

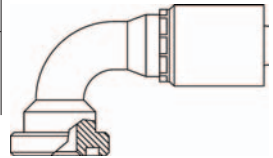
67° Elbow



FL90

Code 61

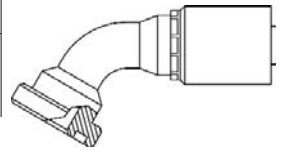
90° Elbow



FH67

Code 62

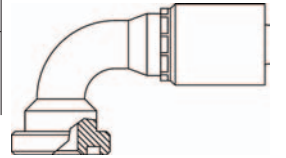
67° Elbow



FH90

Code 62

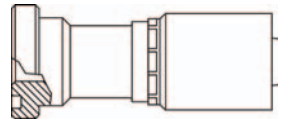
90° Elbow



Code 61

FL

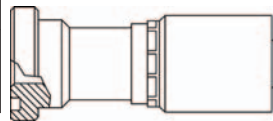
Code 61



Code 62

FH

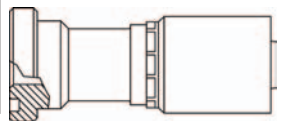
Code 62



Cat Flange

CF

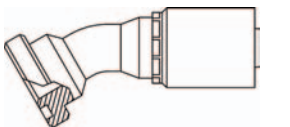
Cat Flange



FL22

Code 61

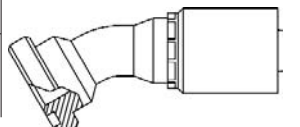
22.5° Elbow



FH22

Code 62

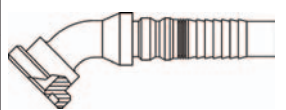
22° Elbow



CF45

Cat Flange

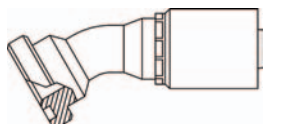
45° Elbow



FL30

Code 61

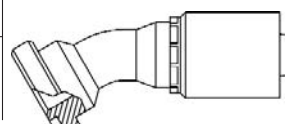
30° Elbow



FH30

Code 62

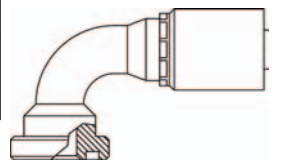
30° Elbow



CF90

Cat Flange

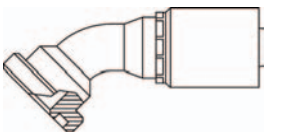
90° Elbow



FL45

Code 61

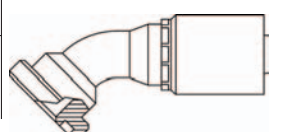
45° Elbow



FH45

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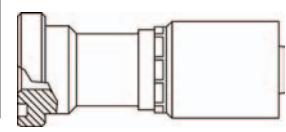
45° Elbow



Komatsu Flange

KF

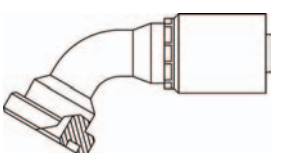
Kom Flange



FL60

Code 61

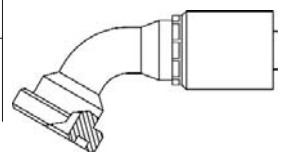
60° Elbow



FH60

Code 62

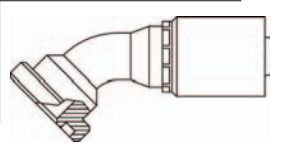
60° Elbow

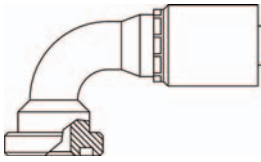
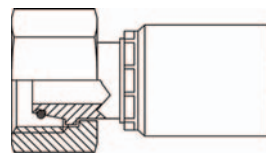
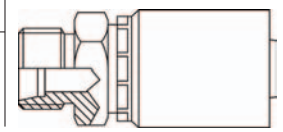
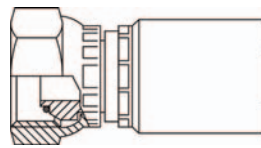
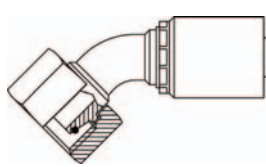
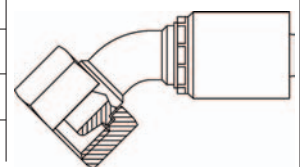
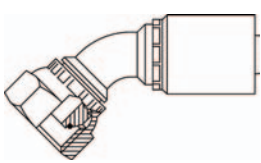
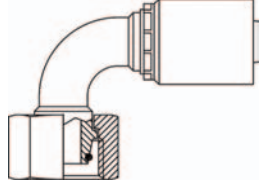
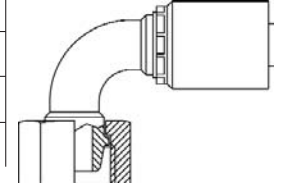
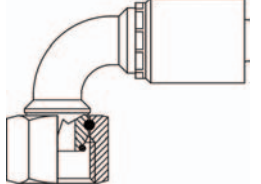
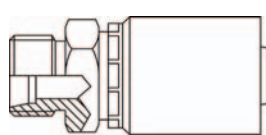
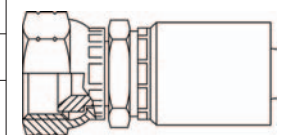
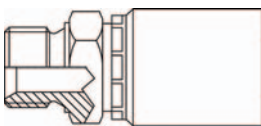
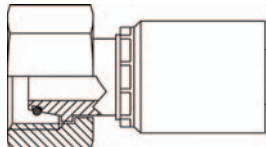
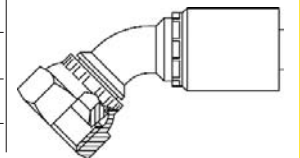
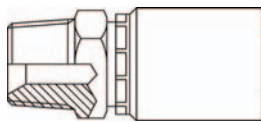
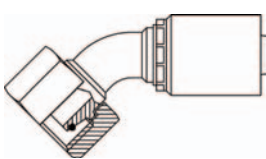
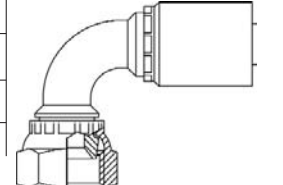
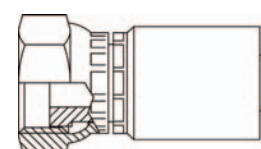
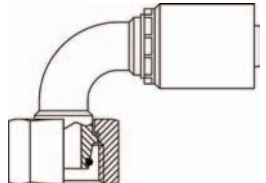
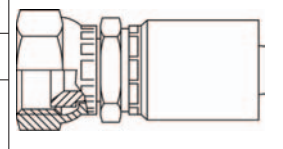


KF45

Kom Flange

45° Elbow



KF90Kom Flange
90° Elbow**DIN 24° L****DLFX**DIN 24° L
Female
Swivel**DHM**DIN 24° H
Male**BSPP****BPFX**BSPP
Female
Swivel**DLFX45**DIN 24° L
Female
45° Elbow
Swivel**DIN 60°****DNFX45**DIN 60°
Female
45° Elbow
Swivel**BPFX45**BSPP
Female
45° Elbow
Swivel**DLFX90**DIN 24° L
Female
90° Elbow
Swivel**DNFX90**DIN 60°
Female
90° Elbow
Swivel**BPFX90**BSPP
Female
90° Elbow
Swivel**DLM**DIN 24° L
Male**Komatsu
30° Metric****KMFX**Kom 30° Metric
Female
Swivel**BPM**BSPP
Male**DIN 24° H****DHFX**DIN 24° H
Female
Swivel**KMFX45**Kom 30° Metric
Female
45° Elbow
Swivel**BSPT****BTM**BSPT
Male**DHFX45**DIN 24° H
Female
45° Elbow
Swivel**KMFX90**Kom 30° Metric
Female
90° Elbow
Swivel**BSP
Flat Seat****BFFX**BSP Flat Seat
Female
Swivel**DHFX90**DIN 24° H
Female
90° Elbow
Swivel**JIS 30°****JSFX**JIS 30°
Female
Swivel

LIC FITTINGS

Equipment and Accessories

THE PERMA-CRIMP™ HOSE SHOP

Crimpers to complete the total assembly solution.

KEY FEATURES

Perma-Crimp™ PC125M

- Lightweight for portable field use.
- Three power options. Attach hand, air or electrical pump.
- Capable of crimping up to 1-1/4" 2-braid and 1" 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 1-1/4" 2-braid and 1" 4-spiral 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 1-1/2" 2-braid and 4-spiral hose.

Perma-Crimp™ PC150H

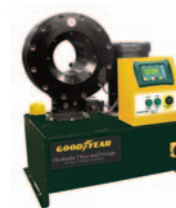
- High volume, stationary crimper.
- 1-HP power source.
- Capable of crimping up to 1-1/2" 2-braid and 4 spiral hose.

Perma-Crimp™ PC200

- 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.
- Introducing PC200P programmable.

Perma-Crimp™ PC400

- High capacity, stationary "production" crimper.
- 7.5-HP power source.
- Capable of crimping up to 2" 6-spiral and 4" industrial hose.
- Introducing PC 400P, programmable.



Goodyear also offers crimper dies, cabinets, pumps, cut-off saws and skivers.