

# PIRANHAFLEX<sup>TM</sup>

## HYDRAULICS

Thermoplastic Hydraulic Hose & Fittings



**KURIYAMA**  
OF AMERICA, INC.

[kuriyama.com](http://kuriyama.com)



**HOSE PRODUCTS, INC.**  
A Kuriyama Group Company

EDITION 0924



## A HISTORY OF QUALITY AND INNOVATION

Designed, developed and manufactured at Piranha<sup>®</sup> Hose Products, in Cadillac, Michigan, USA, the line of Piranhaflex<sup>™</sup> Hydraulic Hose and Fittings incorporates over six decades of high-pressure thermoplastic hose manufacturing experience.



Piranhaflex Hoses are manufactured at Piranha's 178,000 sq. ft. facility in Cadillac, MI.

Founded in 1945 under the name Polymer Corporation, Piranha has a rich history of innovation and a commitment to providing high quality products. Piranha Sewer Hose is regarded as the engineered industry leader, and many of those same technological advancements contributed to the development of Piranhaflex Hydraulic Hose.

## INNOVATION AT WORK

With a focus on customer driven innovation, the Piranha Engineering Team is constantly developing new, value-add hose technologies, such as the ability to perform at extremely cold temperatures; their slick, Slither<sup>®</sup> covers and Piranha's proprietary kink resistant technology.

**Extreme Low Temp. Flex** – All Piranhaflex R7 and R8 hoses are designed to flex at temperatures as low as -65°F, well exceeding SAE low temperature requirements, making them well suited for equipment used in cold storage applications such as poultry plants.

**Slither<sup>®</sup> Cover** – Piranhaflex "Plus Slither", PFP Series hoses, incorporate Piranha's "Slither" cover additive. This allows the hoses to slide more easily through tight spaces commonly found in the long hose bundles on aerial equipment, which includes bucket trucks and scissor lifts — greatly reducing time-consuming installation processes. In addition, the Slither cover further increases abrasion resistance by lowering the hose's coefficient of friction.

**Kink Resistant Technology** – Piranhaflex PF267 and PF528 Series hoses incorporate Piranha's proprietary, engineered design technology, exhibiting up to 53% better resistance to kink initiation, well outperforming traditional R7 & R8 designs in especially tight bend radius applications such as over the sheaves and pulleys on forklift masts.



PF267 Series vs. similar style R7 hose

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## THE POWER OF POLYURETHANE

Polyurethane hydraulic hoses are highly regarded for their better abrasion resistance, smaller bend radii and lighter weight, when compared to rubber hydraulic hoses. In addition, their ability to withstand weathering and ozone; and resistance to repeated stretching and compressive forces, even at sub-zero temperatures; makes them a great choice for highly demanding applications.

Polyurethane does not dry rot and will not swell, flake or otherwise degrade after contact to most hydraulic fluids or oils, eliminating the possibility of system contamination.

**Abrasion Resistance** – Polyurethane resists abrasion better than rubber due to its low coefficient of friction and higher tear strength. Piranhaflex hoses with Slither® polyurethane covers possess an even higher level of abrasion resistance due to their enhanced lubricity.

**Lighter Weight** – Piranhaflex hydraulic hoses range 30-50% lighter in weight than similar rubber hydraulic hoses.

**Smaller Bend Radius** – Piranhaflex hydraulic hoses are tested at 1/2" SAE 517 bend radius requirements, making them especially well-suited for applications with tight bends. Piranhaflex hoses incorporating Piranha's proprietary Kink Resistant Technology possess an even higher level of kink resistance.

## ISO:9001 QUALITY ASSURANCE SAE TESTING

Piranhaflex Hydraulic Hose and Fittings are subjected to rigorous testing, unmatched in the industry; including force to bend testing, fitting retention testing, abrasion testing, hose kink initiation testing; as well as meeting and exceeding the relevant ANSI and SAE requirements.

Piranhaflex hoses are validated to the relevant SAE J517 standards at Piranha's state-of-the-art, ISO 9001 registered quality assurance testing lab, following approved SAE J343 testing procedures.

### IMPULSE (PRESSURIZED):

SAE J517	Pressure	Cycles
100R7	125% x WP	>150,000
100R8	133% x WP	>200,000

### LOW TEMPERATURE:

SAE J517	Temperature
100R7	-65°F*
100R8	-65°F*

\*Hoses exceed SAE -40°F low temperature flexibility requirement.



Piranhaflex hoses are rigorously tested at Piranha's ISO 9001 quality assurance testing lab.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

**HOSE****100R3 (meets or exceeds):**

PF151R3 Series.....	5
PF415CP Series .....	6

**100R7:**

PF354/PF354NC Series .....	7
PFP354/PFP354NC Series.....	8
PF267/PF267NC Series .....	9

**100R8:**

PF628/PF628NC Series .....	10
PF528/PF528NC Series .....	11

**100R18:**

PF427/PF427NC Series .....	12
----------------------------	----

Available Twin Line .....13

Custom Bonding Capabilities.....14

**Specialty:**

PF321TC Series .....	15
PF344LMT Series .....	16

**ONE-PIECE FITTINGS – “P” SERIES****CARBON STEEL**

NPTF Solid Male 60° Seat.....	17
NPTF Male Swivel 60° Seat.....	17
NPSM Female Swivel 60° Seat .....	17
JIC Solid Male 37°Seat .....	18
JIC Female 37° Seat.....	18

**ONE-PIECE FITTINGS – “P” SERIES****STAINLESS STEEL**

NPTF Solid Male 60° Seat.....	19
JIC Female 37° Seat.....	19
SAE Solid Male O-Ring Boss .....	19

**TWO-PIECE FITTINGS INSERTS – “A” SERIES****CARBON STEEL**

NPTF Solid Male 60° Seat.....	20
NPTF Male Swivel 60° Seat.....	20
NPTF Solid Female Rigid .....	21
NPSM Female Swivel 60° Seat .....	21
SAE Solid Male O-Ring Boss .....	21
JIC Solid Male 37°Seat .....	22
JIC Female 37° Seat.....	22
JIC Female 37° Seat - Double Hex .....	23
JIS Female Swivel 30° Seat – B 8363 Type F.....	23

**TWO-PIECE FITTINGS FERRULES – FOR “A” SERIES**

PFR3.....	24
AFX Non Skive.....	24
PFR/PFR7.....	24

**ADDITIONAL “A” SERIES TWO-PIECE INSERTS**

Assorted Fitting Connections.....	25
-----------------------------------	----

**ASSEMBLY EQUIPMENT AND ACCESSORIES**

P400 Portable Service Crimper.....	26-27
Dies & Tooling.....	28
Hose Cutters .....	29

Cautionary and Warranty Statement.....	30
--	----

**NEW**  
One-Piece  
Fittings

**HOSE AND FITTING COMPATIBILITY**

Series Number	SAE	One-Piece P Series		Two-Piece A Series (ferrule PN#) Carbon Steel
		Carbon Steel	Stainless Steel	
PF151	R3	-	-	✓ (PFR)
PF415CP	R3	-	-	✓ (PFR)
PF354	R7	✓*	✓*	✓ (PFR)
PFP354	R7	✓	✓*	✓ (PFR)
PF267	R7	✓*	✓*	✓ (PFR)
PF628	R8	✓	✓*	-
PF528	R8	-	-	✓ (AFX)
PF427	R18	✓	✓*	✓ (PFR)
PF321TC	-	✓*	✓	✓ (PFR)
PF344LMT	-	✓*	✓*	✓ (PFR or AFX)*

\* Dependent on hose size

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



## PF151R3 Series

### SAE 100R3\* Hydraulic Hose

*\*meets or exceeds*

View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
PF151R3**



#### COMPLIANCE DETAILS

Compliances	Size
 SAE 100R3	All sizes

#### FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 45% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

#### GENERAL APPLICATIONS

- Lower pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)

#### CONSTRUCTION

**Tube** – Nylon

**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant, conductive polyurethane

#### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids



#### APPROVED FITTINGS

- A Series Two-Piece (PFR ferrule)

#### PACKAGING

- Boxed 250' long reels
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
										Carbon Steel	Stainless Steel	Ferrule Non-Skive
PF151R3	04	1/4	6.4	0.410	10.4	1500	1.50	38.1	0.05	-	-	PFR3-04
PF151R3	05	5/16	8.1	0.520	13.2	1500	1.75	44.5	0.07	-	-	PFR3-05
PF151R3	06	3/8	9.7	0.610	15.5	1250	2.50	63.5	0.10	-	-	PFR3-06
PF151R3	08	1/2	13.1	0.750	19.1	1000	3.00	76.2	0.12	-	-	PFR3-08

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.





**PF415CP**

## PF415CP Series

SAE 100R3\* Constant Pressure Hydraulic Hose

*\*meets or exceeds*

### GENERAL APPLICATIONS

- Lower pressure hydraulic applications
- Industrial equipment and vehicles, such as used in construction, agriculture and material handling

### CONSTRUCTION

**Tube** – Nylon

**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant, conductive polyurethane

### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids



### FEATURES AND ADVANTAGES

- **Isobaric** - Consistent 1,500 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 45% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses should they potentially become trapped between the layers, preventing instances of cover blistering.

### APPROVED FITTINGS

- A Series Two-Piece (PFR ferrule)

### PACKAGING

- Boxed 250' long reels
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF415CP	04	1/4	6.4	0.410	10.4	1500	1.50	38.1	0.05	-	-	PFR3-04
PF415CP	05	5/16	8.1	0.520	13.2	1500	1.75	44.5	0.07	-	-	PFR3-05
PF415CP	06	3/8	9.7	0.610	15.5	1500	2.50	63.5	0.10	-	-	PFR3-06
PF415CP	08	1/2	13.1	0.750	19.1	1500	3.00	76.2	0.12	-	-	PFR3-08

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



View Up To Date Info



SCAN OR VISIT  
**KOA.link/  
PF354**



**MADE IN THE  
USA**



**GOOD DOWN TO  
-65°F**

### COMPLIANCE DETAILS

Compliances	Size
REACH <sup>^</sup>	All sizes
SAE 100R7	All sizes
SAE J517	All sizes

<sup>^</sup>NC Series (orange) only

### APPROVED FITTINGS\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*Dependent on hose size

### PACKAGING

- Boxed 250' reels or boxed 50' coils
- Max two pieces per reel, minimum pc. length 50'

## PF354 Series PF354NC Series

SAE 100R7 Hydraulic Hose (ANSI A92.2)

### GENERAL APPLICATIONS

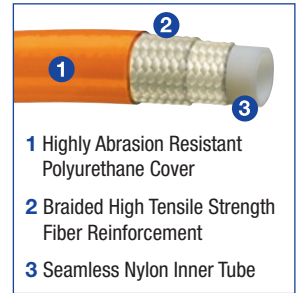
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PFP354NC only)
- Hydraulic oil and lubrication lines

### CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane. Available with conductive black cover (PF354), or non-conductive “NC”, orange cover (PF354NC series)



### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Meets ANSI A92.2 (PF354NC Series only)** – Meets ANSI insulating requirement for aerial devices used in areas of high electricity. Tested to less than 50 microamperes leakage when subjected to 75,000 volts/ft. for 5 min.
- **Pin Pricked Cover (PF354 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF354/PF354NC	02	1/8	3.6	0.322	8.2	3000	0.75	19	0.03	P-02XX-XXXX	-	-
PF354/PF354NC	03	3/16	4.8	0.415	10.5	3000	0.75	19	0.05	-	P-03XX-XXXX-SS	PFR-03
PF354/PF354NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF354/PF354NC	05	5/16	8.1	0.580	14.7	2500	1.75	44	0.08	P-05XX-XXXX	-	PFR7-05
PF354/PF354NC	06	3/8	9.7	0.650	16.5	2250	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF354/PF354NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08
PF354/PF354NC	12	3/4	19.1	1.050	26.7	1250	6.00	152	0.22	-	-	PFR-12
PF354/PF354NC <sup>#</sup>	16	1	25.4	1.360	34.5	1000	8.00	203	0.35	-	-	AFX-16

<sup>#</sup>Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



**PFP354**



## COMPLIANCE DETAILS

Compliances	Size
REACH <sup>^</sup>	All sizes
SAE 100R7	All sizes
SAE J517	All sizes

<sup>^</sup>NC Series (orange) only

## APPROVED FITTINGS\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*Dependent on hose size

## PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

## PFP354 Series PFP354NC Series

SAE 100R7 Hydraulic Hose + Slither<sup>®</sup> Cover

### GENERAL APPLICATIONS

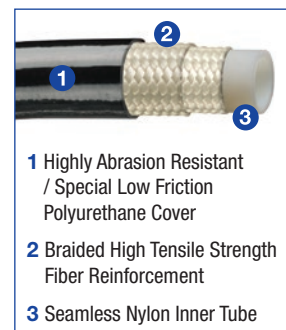
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PFP354NC only)
- Hydraulic oil and lubrication lines

### CONSTRUCTION

**Tube** – Nylon

**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant polyurethane with Slither<sup>®</sup> additive. Available with conductive black cover (PFP354), or non-conductive “NC”, orange cover (PFP354NC series).



### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Slither<sup>®</sup> Cover** – Slick, Slither cover helps hose slide through tight spaces such as sheaves, pulleys and bundles. Especially helpful routing through long lengths of hose bundles on aerial equipment such as scissor lifts and bucket trucks.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PFP354 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PFP354/ PFP354NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PFP354/ PFP354NC	06	3/8	9.7	0.650	16.5	2250	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PFP354/ PFP354NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.





View Up To Date Info



SCAN OR VISIT  
**KOA.link/  
PF267**







MADE IN THE  
**USA**



GOOD DOWN TO  
**-65°F**

## COMPLIANCE DETAILS

Compliances	Size
 ANSI 92.28†	3/16" – 1/2"
 REACH^	All sizes
 SAE 100R7	All sizes
 SAE J517	All sizes

† For vehicle mounted aerial devices

^ NC Series (orange) only

## APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*\*Dependent on hose size

## PACKAGING

- Boxed 250' reels or boxed 50' coils
- Max two pieces per reel, minimum pc. length 50'

# PF267 Series / PF267NC Series

SAE 100R7 Hydraulic Hose (ANSI A92.2) with Kink Resistant Technology

## GENERAL APPLICATIONS

- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF267NC only)
- Hydraulic oil and lubrication lines

## CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF267), or non-conductive orange (PF267NC series) versions

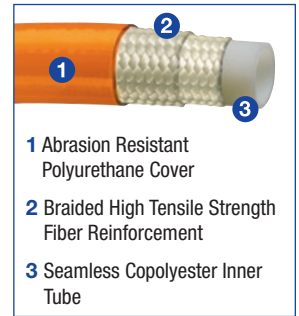
## SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

\*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids

## FEATURES AND ADVANTAGES

- **Kink Resistant Technology** – Proprietary design shown to exhibit 53% better resistance to kink initiation, and 16% less force to bend, versus competitive 100R7 hose in comparison testing.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Meets ANSI A92.2 (PF267NC Series Only)** – Meets ANSI insulating requirement for aerial devices used in areas of high electricity. Tested to less than 50 microamperes leakage when subjected to 75,000 volts/ft. for 5 min.
- **Pin Pricked Cover (PF267 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF267/PF267NC#	02	1/8	3.2	0.322	8.18	3000	0.75	19	0.04	P-02XX-XXXX	-	-
PF267/PF267NC	03	3/16	4.8	0.415	10.5	3000	0.75	19	0.05	-	P-03XX-XXXX-SS	PFR-03
PF267/PF267NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF267/PF267NC	05	5/16	8.1	0.580	14.7	2500	1.75	44	0.09	P-05XX-XXXX	-	PFR7-05
PF267/PF267NC	06	3/8	9.7	0.651	16.5	2250	2.00	51	0.12	P-06XX-XXXX	-	PFR-06
PF267/PF267NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.17	P-08XX-XXXX	-	PFR-08
PF267/PF267NC	12	3/4	19.1	1.050	26.7	1250	6.00	152	0.24	-	-	PFR-12
PF267/PF267NC#	16	1	25.4	1.360	34.5	1000	8.00	203	0.31	-	-	AFX-16

# Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



**KURIYAMA**  
OF AMERICA, INC.

kuriyama.com



## PF628



### COMPLIANCE DETAILS

Compliances	Size
ANSI 92.2†	3/16" – 1/2"
REACH^	All sizes
SAE 100R8	All sizes
SAE J517	All sizes

† For vehicle mounted aerial devices

^ NC Series (orange) only

### APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless

\*\*Dependent on hose size

### PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

## PF628 Series PF628NC Series SAE 100R8 Hydraulic Hose

### GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF628NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

### CONSTRUCTION

**Tube** – Copolyester

**Reinforcement** – Braided aramid fibers

**Cover** – Pin pricked, abrasion resistant polyurethane, in conductive black (PF628), or non-conductive orange (PF628NC) versions

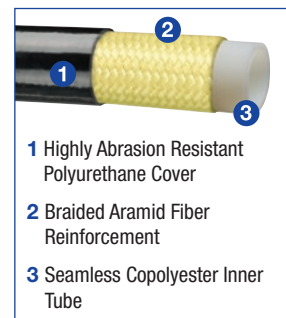
### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

\*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Pin Pricked Cover (PF628 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF628/PF628NC	04	1/4	6.5	0.485	12.3	5000	2.00	50	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	-
PF628/PF628NC	06	3/8	9.7	0.630	16.0	4000	2.50	64	0.10	P-06XX-XXXX	-	-
PF628/PF628NC	08	1/2	12.9	0.820	20.8	3500	3.50	89	0.17	P-08XX-XXXX	-	-
PF628/PF628NC#	12	3/4	19.1	1.050	26.7	2250	4.50	114	0.20	-	-	-

# Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.



Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



## PF528



### COMPLIANCE DETAILS

Compliances	Size
 SAE 100R8	All sizes
 REACH*	All sizes

\*NC Series (orange) only

### APPROVED FITTINGS

- A Series Two-Piece (AFX ferrule)

### PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

# PF528 Series / PF528NC Series

## SAE 100R8 Hydraulic Hose with Kink Resistant Technology

### GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF528NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

### CONSTRUCTION

Tube – Nylon

Reinforcement – Braided, high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF528), or non-conductive orange (PF528NC) versions

### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

### FEATURES AND ADVANTAGES

- **Kink Resistant Technology** – Proprietary design shown to exhibit 50% better resistance to kink initiation, and 17% less force to bend, versus competitive 100R8 hose in comparison testing.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 24% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF528 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF528/PF528NC <sup>^</sup>	03	3/16	4.8	0.475	12.1	5000	0.75	19	0.073	-	-	AFX-03
PF528/PF528NC	04	1/4	6.5	0.584	14.8	5000	2.00	50	0.112	-	-	AFX-04
PF528/PF528NC	06	3/8	9.7	0.750	19.1	4000	2.50	64	0.154	-	-	AFX-06
PF528/PF528NC	08	1/2	12.9	0.935	23.7	3500	3.50	89	0.236	-	-	AFX-08
PF528/PF528NC	12	3/4	19.1	1.220	30.9	2250	4.50	114	0.352	-	-	AFX-12
PF528/PF528NC <sup>#</sup>	16	1	25.4	1.620	41.1	2000	6.00	152	0.584	-	-	-

# Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.





## PF427



### COMPLIANCE DETAILS

Compliances	Size
REACH^	All sizes
SAE 100R18	All sizes
SAE J517	All sizes

^NC Series (orange) only

### APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*\*Dependent on hose size

### PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

## PF427 Series PF427NC Series

### SAE 100R18 Constant Pressure Hydraulic Hose

#### GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF427NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

#### CONSTRUCTION

**Tube** – Copolyester

**Reinforcement** – Braided high tensile strength fibers

**Cover** – Pin pricked, abrasion resistant polyurethane, in conductive black (PF427), or non-conductive orange (PF427NC series) versions

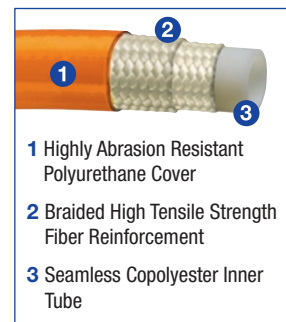
#### SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids.

\*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids.

#### FEATURES AND ADVANTAGES

- **Isobaric** – Consistent 3,000 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 32% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF427 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF427/PF427NC	04	1/4	6.4	0.496	12.7	3000	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF427/PF427NC	06	3/8	9.7	0.650	16.5	3000	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF427/PF427NC	08	1/2	13.1	0.834	21.1	3000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



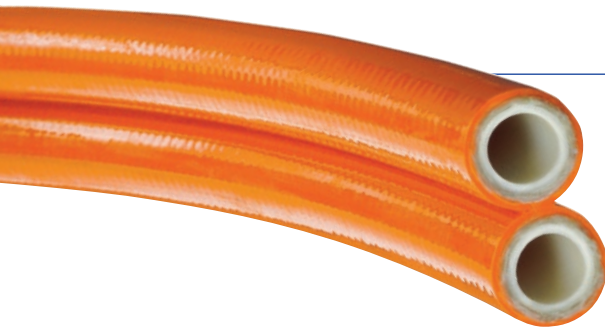
## Available Twin Line Versions



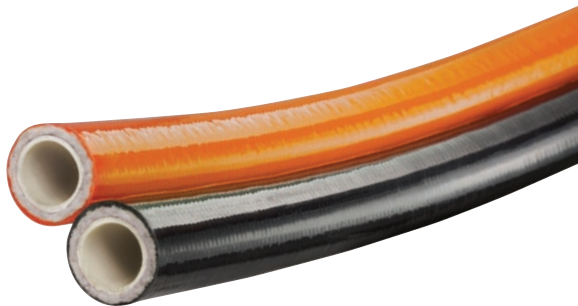
Series / Color	Part Number	Packaging	Approximate Weight (lbs/ft)
<b>PF354TL SERIES NYLON TUBE/BLACK COVER 100R7 TWIN LINE HOSES</b>			
	PF354TL-04-250R	250' Reel	0.10
	PF354TL-06-250R	250' Reel	0.20
	PF354TL-08-250R	250' Reel	0.32
<b>PF354NCTL SERIES NYLON TUBE/ORANGE COVER NON-CONDUCTIVE 100R7 TWIN LINE HOSES</b>			
	PF354NCTL-04-250R	250' Reel	0.10
	PF354NCTL-06-250R	250' Reel	0.20
	PF354NCTL-08-250R	250' Reel	0.32
<b>PF267TL SERIES POLYESTER TUBE/BLACK COVER 100R7 TWIN LINE HOSES</b>			
	PF267TL-04-50BX	50' Box	0.14
	PF267TL-06-50BX	50' Box	0.24
	PF267TL-08-50BX	50' Box	0.34
	PF267TL-04-250R	250' Reel	0.14
	PF267TL-06-250R	250' Reel	0.24
	PF267TL-08-250R	250' Reel	0.34
<b>PF267NCTL SERIES POLYESTER TUBE/ORANGE COVER 100R7 TWIN LINE HOSES</b>			
	PF267NCTL-04-50BX	50' Box	0.14
	PF267NCTL-06-50BX	50' Box	0.24
	PF267NCTL-08-50BX	50' Box	0.34
	PF267NCTL-04-250R	250' Reel	0.14
	PF267NCTL-06-250R	250' Reel	0.24
	PF267NCTL-08-250R	250' Reel	0.34
<b>PF528TL SERIES NYLON TUBE/BLACK COVER 100R8 TWIN LINE HOSES</b>			
	PF528TL-04-250R	250' Reel	0.22
	PF528TL-06-250R	250' Reel	0.31
	PF528TL-08-250R	250' Reel	0.47
<b>PF528NCTL SERIES NYLON TUBE/ORANGE COVER 100R8 TWIN LINE HOSES</b>			
	PF528NCTL-04-250R	250' Reel	0.22
	PF528NCTL-06-250R	250' Reel	0.31
	PF528NCTL-08-250R	250' Reel	0.47
<b>PF628TL SERIES POLYESTER TUBE/BLACK COVER 100R8 TWIN LINE HOSES</b>			
	PF628TL-04-250R	250' Reel	0.14
	PF628TL-06-250R	250' Reel	0.20
	PF628TL-08-250R	250' Reel	0.34
<b>PF628NCTL SERIES POLYESTER TUBE/ORANGE COVER NON-CONDUCTIVE 100R8 TWIN LINE HOSES</b>			
	PF628NCTL-04-250R	250' Reel	0.14
	PF628NCTL-06-250R	250' Reel	0.20
	PF628NCTL-08-250R	250' Reel	0.34

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## Piranha Bonding Capabilities



- All Piranha hose sized 1/4" through 2" ID are available to be bonded upon request.
- All non-standard products are treated as a made-to-order item and require a special quote.
- Split-Back ends are provided; typically as lengths of 12", 18" or 24" for ease of coupling and assembly.
- Intermittent bonding can also be provided in lengths to meet your applications needs.



Color coding of multi-line hose packs is available for identification and easy hook-ups.



Combinations of same or different ID's can be provided in a ribbon type configuration.

**CUSTOM TWIN AND MULTI LINE HOSES ARE AVAILABLE UPON REQUEST AND ARE MADE TO ORDER.**

**For more information contact Piranha Hose Products, Inc.**

Phone: (231) 779-4390 • Toll-free: (800) 250-5132 • Fax: (231) 779-4399

 [PiranhaHose.com](http://PiranhaHose.com)  [sales@piranhahose.com](mailto:sales@piranhahose.com)

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.





## PF321TC

### COMPLIANCE DETAILS

Compliances	Size
CGA, CGA*	All sizes
REACH	All sizes

\*Grade E Breathing Air Standards

### APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

\*\*Dependent on hose size

### PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

## PF321TC Series

Tank Charge – Compressor to tank fill hose

### GENERAL APPLICATIONS

- Compressed breathing air
- Stationary applications as a fill tank for breathing air tanks

### CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided aramid fiber reinforcement

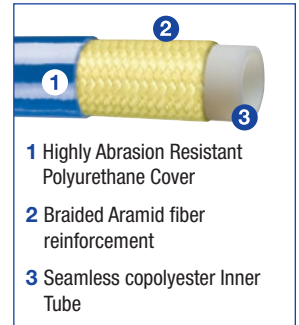
Cover – Pin pricked, abrasion resistant polyurethane

### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +150°F (+65.5°C)

### FEATURES AND ADVANTAGES

- **CGA Compliant** – Meets CGA Grade E Air Breathing Standards. Overall air quality depends on all system components.
- **Extraction Resistant** – Specially formulated tube minimizes extraction of particulates while in service.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF321TC	03	3/16	4.8	0.400	10.2	6000	1.50	38.1	0.06	-	P-03XX-XXXX-SS	PFR-03
PF321TC	04	1/4	6.4	0.485	12.3	6000	2.00	50.8	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04


- \* **NOTE**
- **NOT** for use with explosive gases such as pure oxygen and hydrogen.
  - **NOT** for use between regulator and breathing mask.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



PF344LMT

## COMPLIANCE DETAILS

Compliances	Size
 REACH	All sizes

## APPROVED FITTINGS\*\*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR or AFX ferrule)

\*\*Dependent on hose size

## PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

# PF344LMT Series

## Low Moisture Transmission Hose

### GENERAL APPLICATIONS

- Conveying urethane foam components
- Deionized water transfer
- Distilled water transfer
- Pure water transfer
- Low moisture transmission applications

### CONSTRUCTION

Tube – Polyolefin

Reinforcement – Braided, high tensile strength fibers

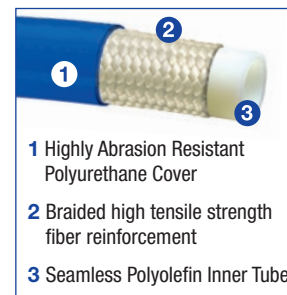
Cover – Abrasion resistant polyurethane

### SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +160°F (+71.1°C)

### FEATURES AND ADVANTAGES

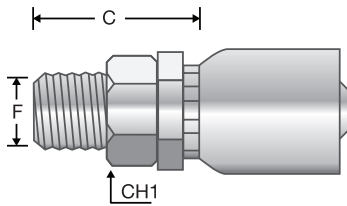
- **Transmission Resistant** – Specially formulated tube minimizes extraction of particulates and minimizes moisture transmission while in service.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF344LMT	04	1/4	6.4	.500	12.7	2750	2.5	63.5	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF344LMT	06	3/8	9.7	.650	16.5	2250	3.0	76.2	0.11	P-06XX-XXXX	-	PFR-06
PF344LMT	08	1/2	13.1	.830	21.1	2000	4.0	101.6	0.16	P-08XX-XXXX	-	PFR-08
PF344LMT	12	3/4	19.1	1.18	30.0	1500	5.0	127.0	0.28	-	-	AFX-12
PF344LMT	16	1	25.4	1.46	37.1	1500	6.0	152.4	0.40	-	-	AFX-16

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## CARBON STEEL ONE-PIECE FITTINGS - P SERIES



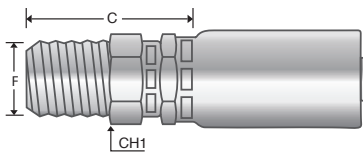
View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
P-MNPT**

### NPTF SOLID MALE 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0202-MNPT	02	1/8	3.2	02	1/8-27	18.0	12	0.04
P-0402-MNPT	04	1/4	6.4	02	1/8-27	26.7	12	0.11
P-0404-MNPT	04	1/4	6.4	04	1/4-18	31.1	17	0.12
P-0406-MNPT	04	1/4	6.4	06	3/8-18	33.5	19	0.14
P-0504-MNPT	05	5/16	7.9	04	1/4-18	29.8	17	0.15
P-0604-MNPT	06	3/8	9.5	04	1/4-18	34.0	17	0.17
P-0606-MNPT	06	3/8	9.5	06	3/8-18	34.1	19	0.17
P-0608-MNPT	06	3/8	9.5	08	1/2-14	38.9	22	0.23
P-0806-MNPT	08	1/2	12.7	06	3/8-18	31.0	19	0.26
P-0808-MNPT	08	1/2	12.7	08	1/2-14	39.1	22	0.28



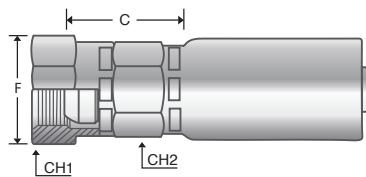
View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
P-MNPS**

### NPTF MALE SWIVEL 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0202-MNPS	02	1/8	3.2	02	1/8-27	31.0	13	0.06
P-0404-MNPS	04	1/4	6.4	04	1/4-18	45.0	17	0.16
P-0604-MNPS	06	3/8	9.5	04	1/4-18	46.8	17	0.19
P-0606-MNPS	06	3/8	9.5	06	3/8-18	47.7	19	0.23
P-0808-MNPS	08	1/2	12.7	08	1/2-14	52.8	22	0.35



View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
P-FPMS**

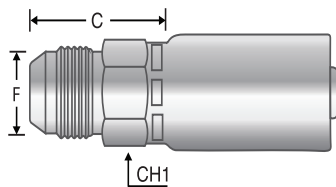
### NPSM FEMALE SWIVEL 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
P-0404-FPMS	04	1/4	6.4	04	1/4-18	27.9	17	19	0.15
P-0606-FPMS	06	3/8	9.5	06	3/8-18	31.3	19	22	0.21
P-0808-FPMS	08	1/2	12.7	08	1/2-14	30.9	22	27	0.31

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



## CARBON STEEL ONE-PIECE FITTINGS - P SERIES



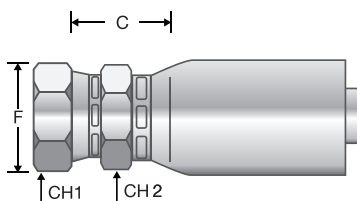
View Up To Date Info



◀ SCAN OR VISIT  
[KOA.link/  
P-MJIC](https://koya.link/P-MJIC)

### JIC SOLID MALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0404-MJIC	04	1/4	6.4	04	1/4-18	30.9	17	0.11
P-0405-MJIC	04	1/4	6.4	05	1/2-20	30.9	19	0.11
P-0406-MJIC	04	1/4	6.4	06	9/16-18	33.4	17	0.13
P-0605-MJIC	06	3/8	9.5	05	1/2-20	33.6	19	0.18
P-0606-MJIC	06	3/8	9.5	06	9/16-18	33.7	22	0.16
P-0608-MJIC	06	3/8	9.5	08	3/4-16	36.6	19	0.24
P-0808-MJIC	08	1/2	12.7	08	3/4-16	35.2	22	0.27



View Up To Date Info



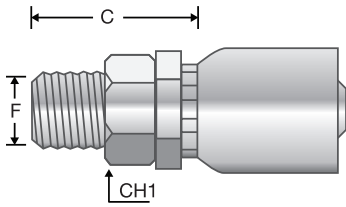
◀ SCAN OR VISIT  
[KOA.link/  
P-FJDH](https://koya.link/P-FJDH)

### JIC FEMALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
P-0204-FJDH	02	1/8	3.2	04	7/16-20	16.0	16	13	0.07
P-0404-FJDH	04	1/4	6.4	04	7/16-20	27.8	16	16	0.14
P-0405-FJDH	04	1/4	6.4	05	1/2-20	27.2	16	19	0.16
P-0406-FJDH	04	1/4	6.4	06	9/16-18	26.8	16	19	0.15
P-0605-FJDH	06	3/8	9.5	05	1/2-20	29.8	16	19	0.22
P-0606-FJDH	06	3/8	9.5	06	9/16-18	29.8	19	19	0.20
P-0608-FJDH	06	3/8	9.5	08	3/4-16	30.6	19	24	0.22
P-0808-FJDH	08	1/2	12.7	08	3/4-16	33.9	22	24	0.32

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## STAINLESS STEEL ONE-PIECE FITTINGS - P SERIES



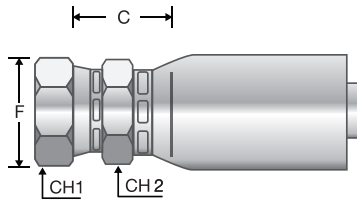
[View Up To Date Info](#)



◀ SCAN OR VISIT  
[KOA.link/  
P-MNPT-SS](https://KOA.link/P-MNPT-SS)

### NPTF SOLID MALE 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0304-MNPT-SS	03	3/16	4.8	04	1/4-18	28.6	19	0.107
P-0404-MNPT-SS	04	1/4	6.4	04	1/4-18	28.6	22	0.117



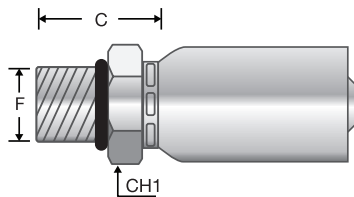
[View Up To Date Info](#)



◀ SCAN OR VISIT  
[KOA.link/  
P-FJDH-SS](https://KOA.link/P-FJDH-SS)

### JIC FEMALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0304-FJDH-SS	03	3/16	4.8	04	7/16-20	19.1	17	0.113
P-0404-FJDH-SS	04	1/4	6.4	04	7/16-20	19.1	19	0.123



[View Up To Date Info](#)



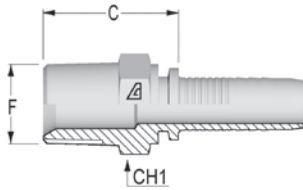
◀ SCAN OR VISIT  
[KOA.link/  
P-MORB-SS](https://KOA.link/P-MORB-SS)

### SAE SOLID MALE O-RING BOSS

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
P-0304-MORB-SS	03	3/16	4.8	04	7/16-20	22.2	17	0.105
P-0404-MORB-SS	04	1/4	6.4	04	7/16-20	22.2	19	0.115

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



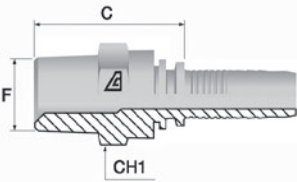
View Up To Date Info



◀ SCAN OR VISIT  
[KOA.link/  
A-MNPT](https://KOA.link/A-MNPT)

### NPTF SOLID MALE 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0302-MNPT	03	3/16	4.8	02	1/8-27	19.8	12	0.03
A-0402-MNPT	04	1/4	6.4	02	1/8-27	21.3	14	0.04
A-0404-MNPT	04	1/4	6.4	04	1/4-18	26.8	17	0.06
A-0406-MNPT	04	1/4	6.4	06	3/8-18	27.8	19	0.08
A-0504-MNPT	05	5/16	7.9	04	1/4-18	26.8	17	0.07
A-0506-MNPT	05	5/16	7.9	06	3/8-18	27.8	19	0.11
A-0604-MNPT	06	3/8	9.5	04	1/4-18	26.8	17	0.07
A-0606-MNPT	06	3/8	9.5	06	3/8-18	27.8	19	0.09
A-0608-MNPT	06	3/8	9.5	08	1/2-14	31.3	22	0.15
A-0806-MNPT	08	1/2	12.7	06	3/8-18	28.6	19	0.12
A-0808-MNPT	08	1/2	12.7	08	1/2-14	32.1	22	0.17
A-0812-MNPT	08	1/2	12.7	12	3/4-14	34.1	27	0.22
A-1012-MNPT	10	5/8	15.9	12	3/4-14	34.1	27	0.24
A-1212-MNPT	12	3/4	19.0	12	1-11 1/2	34.6	27	0.26



View Up To Date Info



◀ SCAN OR VISIT  
[KOA.link/  
A-MNPS](https://KOA.link/A-MNPS)

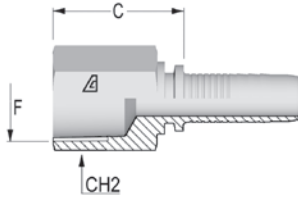
### NPTF MALE SWIVEL 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-MNPS	04	1/4	6.4	04	1/4-18	37.6	17	0.09
A-0604-MNPS	06	3/8	9.5	04	1/4-18	39.6	17	0.12
A-0606-MNPS	06	3/8	9.5	06	3/8-18	37.5	22	0.15
A-0806-MNPS	08	1/2	12.7	06	3/8-18	38.3	22	0.17
A-0808-MNPS	08	1/2	12.7	08	1/2-14	42.3	25	0.25
A-1212-MNPS	12	3/4	19.0	12	3/4-14	50.1	32	0.31

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



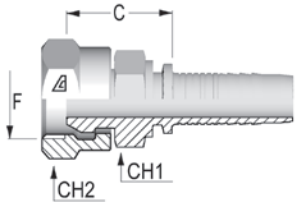
View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
A-FNPR**

### NPTF SOLID FEMALE RIGID

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH2 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-FNPR	04	1/4	6.4	04	1/4-18	27.8	19	0.10
A-0606-FNPR	06	3/8	9.5	06	3/8-18	28.8	22	0.17
A-0808-FNPR	08	1/2	12.7	08	1/2-14	35.6	25	0.20
A-1212-FNPR	12	3/4	19.0	12	3/4-14	38.1	32	0.35



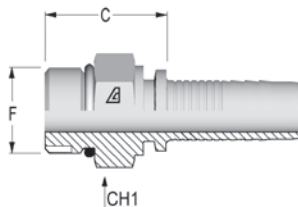
View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
P-FPMS**

### NPSM FEMALE SWIVEL 60° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
A-0404-FPMS	04	1/4	6.4	04	1/4-18	24.3	17	19	0.09
A-0606-FPMS	06	3/8	9.5	06	3/8-18	24.8	19	22	0.14
A-0808-FPMS	08	1/2	12.7	08	1/2-14	26.6	22	27	0.22



View Up To Date Info



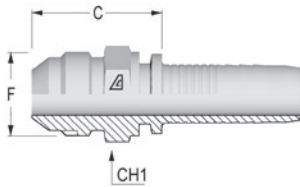
◀ SCAN OR VISIT  
**KOA.link/  
A-MORB**

### SAE SOLID MALE O-RING BOSS

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-MORB	04	1/4	6.4	04	7/16-20	20.3	14	0.04
A-0405-MORB	04	1/4	6.4	05	1/2-20	21.3	16	0.05
A-0406-MORB	04	1/4	6.4	06	9/16-18	22.3	17	0.06
A-0606-MORB	06	3/8	9.5	06	9/16-18	23.3	19	0.08
A-0608-MORB	06	3/8	9.5	08	3/4-16	24.3	22	0.12
A-0610-MORB	06	3/8	9.5	10	7/8-14	26.8	27	0.16
A-0808-MORB	08	1/2	12.7	08	3/4-16	25.1	22	0.14
A-0810-MORB	08	1/2	12.7	10	7/8-14	27.6	27	0.19
A-0812-MORB	08	1/2	12.7	12	1 1/16-12	32.1	32	0.28
A-1210-MORB	12	3/4	19.0	10	7/8-14	28.1	27	0.24
A-1212-MORB	12	3/4	19.0	12	1 1/16-12	32.6	32	0.31
A-1216-MORB	12	3/4	19.0	16	1 5/16-12	35.7	38	0.44

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



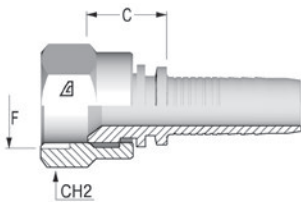
View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
A-MJIC**

### JIC SOLID MALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH1 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0404-MJIC	04	1/4	6.4	04	7/16-20	25.3	12	0.04
A-0405-MJIC	04	1/4	6.4	05	1/2-20	25.3	14	0.05
A-0406-MJIC	04	1/4	6.4	06	9/16-18	26.3	17	0.06
A-0505-MJIC	05	5/16	7.9	05	1/2-20	25.3	14	0.05
A-0506-MJIC	05	5/16	7.9	06	9/16-18	26.3	17	0.07
A-0606-MJIC	06	3/8	9.5	06	9/16-18	26.3	17	0.07
A-0608-MJIC	06	3/8	9.5	08	3/4-16	29.8	19	0.11
A-0808-MJIC	08	1/2	12.7	08	3/4-16	29.8	19	0.12
A-0810-MJIC	08	1/2	12.7	10	7/8-14	34.6	24	0.19
A-0812-MJIC	08	1/2	12.7	12	1 1/16-12	37.1	27	0.23
A-1212-MJIC	12	3/4	19.0	12	1 1/16-12	37.6	27	0.27
A-1214-MJIC	12	3/4	19.0	14	1 3/16-12	40.1	32	0.36
A-1216-MJIC	12	3/4	19.0	16	1 5/16-12	42.6	36	0.54



View Up To Date Info



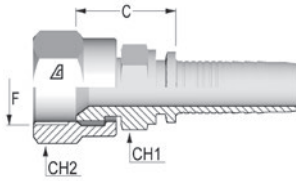
◀ SCAN OR VISIT  
**KOA.link/  
A-FJSH**

### JIC FEMALE 37° SEAT

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Dia. CH2 (mm)	Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI			
A-0304-FJSH	03	3/16	4.8	04	7/16-20	14.3	16	0.04
A-0404-FJSH	04	1/4	6.4	04	7/16-20	14.6	16	0.04
A-0405-FJSH	04	1/4	6.4	05	1/2-20	15.3	17	0.06
A-0406-FJSH	04	1/4	6.4	06	9/16-18	15.3	19	0.07
A-0505-FJSH	05	5/16	7.9	05	1/2-20	15.3	17	0.07
A-0506-FJSH	05	5/16	7.9	06	9/16-18	15.3	19	0.08
A-0606-FJSH	06	3/8	9.5	06	9/16-18	15.3	19	0.08
A-0608-FJSH	06	3/8	9.5	08	3/4-16	17.8	25	0.14
A-0808-FJSH	08	1/2	12.7	08	3/4-16	18.6	25	0.16
A-0810-FJSH	08	1/2	12.7	10	7/8-14	19.6	27	0.19
A-0812-FJSH	08	1/2	12.7	12	1 1/16-12	22.1	32	0.25
A-1210-FJSH	12	3/4	19.0	10	7/8-14	20.0	27	0.28
A-1212-FJSH	12	3/4	19.0	12	1 1/16-12	20.0	32	0.28
A-1214-FJSH	12	3/4	19.0	14	1 3/16-12	20.0	36	0.33
A-1216-FJSH	12	3/4	19.0	16	1 5/16-12	22.1	38	0.38

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## CARBON STEEL TWO-PIECE FITTINGS INSERTS – A SERIES



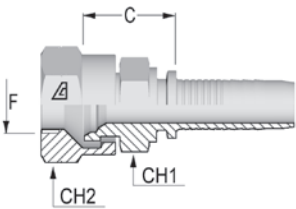
[View Up To Date Info](#)



◀ SCAN OR VISIT  
**KOA.link/  
A-FJDH**

### JIC FEMALE 37° SEAT – DOUBLE HEX

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
A-0404-FJDH	04	1/4	6.4	04	7/16-20	19.6	14	16	0.06
A-0405-FJDH	04	1/4	6.4	05	1/2-20	20.3	14	17	0.07
A-0406-FJDH	04	1/4	6.4	06	9/16-18	20.3	14	19	0.09
A-0506-FJDH	05	5/16	7.9	06	9/16-18	20.3	14	19	0.08
A-0606-FJDH	06	3/8	9.5	06	9/16-18	21.3	17	19	0.10
A-0608-FJDH	06	3/8	9.5	08	3/4-16	24.8	19	25	0.17
A-0610-FJDH	06	3/8	9.5	10	7/8-14	25.8	22	22	0.20
A-0806-FJDH	08	1/2	12.7	06	9/16-18	23.1	19	19	0.15
A-0808-FJDH	08	1/2	12.7	08	3/4-16	25.6	19	25	0.20
A-0810-FJDH	08	1/2	12.7	10	7/8-14	26.6	22	27	0.22
A-0812-FJDH	08	1/2	12.7	12	1 1/16-12	28.1	25	32	0.30
A-1210-FJDH	12	3/4	19.0	10	7/8-14	28.1	27	32	0.31
A-1212-FJDH	12	3/4	19.0	12	1 1/16-12	28.6	27	32	0.35
A-1214-FJDH	12	3/4	19.0	14	1 3/16-12	29.9	32	36	0.44
A-1216-FJDH	12	3/4	19.0	16	1 5/16-12	32.1	32	38	0.49



[View Up To Date Info](#)



◀ SCAN OR VISIT  
**KOA.link/  
A-FJIS**

### JIS FEMALE SWIVEL 30° SEAT – B 8363 TYPE F

Part Number	Dash Size	Hose ID Size		F Thread		C Cut-Off Factor (mm)	Hex Diameter		Weight (lbs/each)
		(in)	(mm)	Dash Size	Size (in) - TPI		CH1 (mm)	CH2 (mm)	
A-0404-FJIS	04	1/4	6.4	04	1/4-19	20.8	17	19	0.09
A-0606-FJIS	06	3/8	9.5	06	3/8-19	21.8	19	22	0.13
A-0808-FJIS	08	1/2	12.7	08	1/2-14	23.6	22	27	0.20
A-1212-FJIS	12	3/4	19.0	12	3/4-14	27.1	30	36	0.41

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

CARBON STEEL TWO-PIECE FITTINGS FERRULES – FOR USE WITH A SERIES FITTINGS

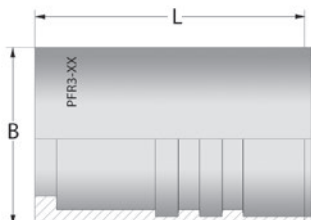
## Piranhaflex™ Ferrules

[View Up To Date Info](#)



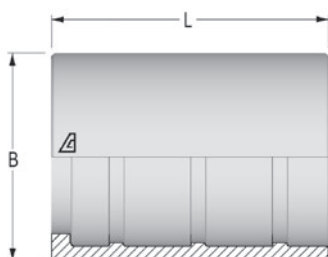
◀ SCAN OR VISIT  
[KOA.link/  
PF-Ferrules](https://KOA.link/PF-Ferrules)

### PFR3 Series



Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
PFR3-04	04	1/4	6.4	14.8	28.9	0.03
PFR3-05	05	5/16	7.9	17.4	28.8	0.04
PFR3-06	06	3/8	9.5	19.0	28.8	0.04
PFR3-08	08	1/2	12.7	23.7	36.3	0.06

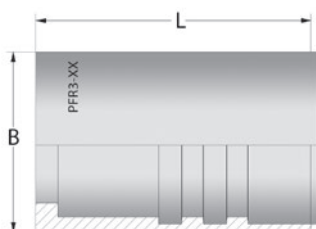
### AFX Series



Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
AFX-03	03	3/16	4.8	21	21.5	0.05
AFX-04	04	1/4	6.4	23	24.7	0.07
AFX-05	05	5/16	7.9	25	24.7	0.08
AFX-06	06	3/8	9.5	27	29.7	0.10
AFX-08	08	1/2	12.7	30	30.5	0.11
AFX-10	10	5/8	15.9	34	35.5	0.15
AFX-12	12	3/4	19.0	38	36.0	0.17
AFX-16	16	1	25.4	48	42.5	0.28

### PFR / PFR7 Series

Universal Ferrules for SAE 100R7, 100R8, 100R18 & ANSI 92.2 Hoses (Steel)



Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
PFR-03	03	3/16	4.7	14.9	24.0	0.03
PFR-04	04	1/4	6.4	17.0	29.0	0.04
PFR7-05*	05	5/16	7.9	19.0	29.0	0.04
PFR-06	06	3/8	9.5	19.0	31.0	0.05
PFR-08	08	1/2	12.7	25.4	36.0	0.06
PFR-12	12	3/4	19.1	31.8	45.2	0.11

\* PFR7-05 ferrules are to be used only with SAE 100R7 hoses!

Kuriyama stocks a variety of fittings designed for use with all of our Piranhaflex™ SAE 100R7, 100R8, 100R18 and ANSI 92.2 hoses. For more information contact your nearest Kuriyama warehouse location. Please refer to our latest Kuriyama Hydraulic Connections Catalog for a complete list of available two-piece fittings.

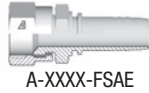
Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



## ADDITIONAL CARBON STEEL TWO-PIECE FITTINGS FERRULES



**VIEW  
ONLINE**



SAE Female 45° Seat – Double Hex

A-XXXX-FSAE



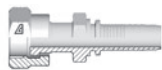
Other Configurations Available: A-XXXX-FJ9 (S,M,L)

45° & 90° JIC Female Swivel 37° Seat Solid Bent Tube



ORFS Solid Male

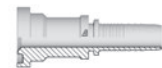
A-XXXX-MOFS



Other Configurations Available: A-XXXX-F045, A-XXXX-F09 (S,M,L)

A-XXXX-FOFS

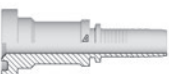
Straight, 45° & 90° ORFS Female



A-XXXX-C61S

Other Configurations Available: A-XXXX-C612, A-XXXX-C613, A-XXXX-C614, A-XXXX-C616, A-XXXX-C619

Straight, 22°, 30°, 45°, 60° & 90° O-Ring Flange SAE J518 Code 61, 62



A-XXXX-C62S

Other Configurations Available: A-XXXX-C624, A-XXXX-C629

Straight, 45° & 90° O-Ring Flange SAE J518 Code 62 Solid One Piece

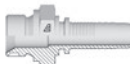


C61SF-XX, C62SF-XX

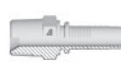
Split Flange Clamps SAE J518 Code 61 & 62



A-XXXX-MBPP  
Hose Mender



A-XXXX-MBFS  
Grease Fitting



A-XXXX-MBPT  
Bite Type Tube Fitting



A-XXXX-HMEN



A-XXXX-FGRT



A-XXXX-BTTF

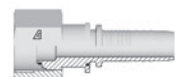
BSP/JIS Solid Male



A-XXXX-BBAN  
BSP Banjo



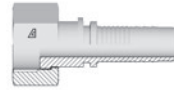
BBOLT-XX  
BSPP Bolt



A-XXXX-FBPO

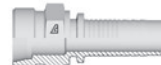
Other Configurations Available: A-XXXX-C624, A-XXXX-C629

Straight, 45° & 90° O-Ring Flange SAE J518 Code 62 Solid One Piece

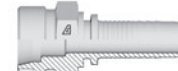


A-XXXX-FBFS

BSP Female Swivel Flat Seat



A-XXXX-MMSL



A-XXXX-MMSH

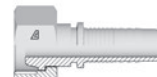
Metric Solid Male 24° Seat – DIN 3853 Light & Heavy



A-XXXX-MBAN  
Metric Banjo



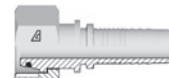
MBOLT-XX  
Metric Bolt



A-XXXX-FMOL

Other Configurations Available: A-XXXX-FM4L, A-XXXX-FM9L

Straight, 45° and 90° Metric O-Ring Female Swivel 24° Seat – DIN 3865 Light



A-XXXX-FMOH

Other Configurations Available: A-XXXX-FM4H, A-XXXX-FM9H

Straight, 45° and 90° Metric O-Ring Female Swivel 24° Seat – DIN 3865 Heavy



A-XXXX-MSPS

Other Configurations Available: A-XXXX-MSP4, A-XXXX-MSP9

Straight, 45° & 90° Metric Standpipe



MTN-XXLXXXX, MTN-XXHXXXX

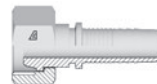
Nut DIN 24° Light and Heavy



MBS-XXL, MBS-XXH

Double Cutting Ring DIN 24° Light & Heavy

A-XXXX-FMFS



Metric Female French Type



A-XXXX-FKOS

Other Configurations Available: A-XXXX-KFST, A-XXXX-KF45, A-XXXX-KF90

Katsuta Female Swivel & Straight, 45° & 90° Flanges



A-XXXX-FPWS

Pressure Wash Female (Type K)

Please refer to our latest Kuriyama Hydraulic Connections catalog for a complete list of available two-piece fittings.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



## P400 Portable Service Crimper

ONLY  
**47** lbs

Hose Capacity (in)	Crimping Force (ton)
2 Wire	1
4 SP	3/4
90° Fittings	1
Industrial	1

**35**

Crimper Size	
L x W x H (in)	12 1/2 x 12 1/2 x 24
Weight (lbs)	47
Part Number	Power Input
P400	Hand, Air or Electric Pump
Die Series	Die Range (mm)
P402	12-22.2

View Up To Date Info



◀ SCAN OR VISIT  
**KOA.link/  
P400**

### INCLUDED ACCESSORIES



Die Removal Magnet  
P/N: 104679



CRIMPX Die Lubricant:  
Oil 4 oz bottle with  
dauber cap  
P/N: 103886

### DESCRIPTION

The P400 Portable crimper is light weight and can be carried to almost any location where service is required. It can be paired with either a Hand Pump, Pneumatic Pump or Electric Pump.

### ENGINEERED TO ACCOMMODATE YOUR NEEDS

- 35 Tons of crimping force
- Hose capacity up to 1" 2 wire and 3/4" 4 SP
- Available ValPower® Hand Pump, Pneumatic Pump 10,000 psi or Electric Pump
- Removable Pusher and 2 piece PF402 rubber caged die set make accurate fitting positioning easy
- PF402 rubber caged dies sets for heavy duty environments
- Color-coded die rubber cages for easy identification
- Base mounting holes allow the crimper to be bench or truck bed mounted if required

### OPTIONAL ACCESSORIES



T420 Micrometer  
P/N: 103085



Hand Pump  
P/N: VHP-10-43



Pneumatic Pump  
P/N: VAP-10-100



Electric Pump  
P/N: VEP1001



CRIMPX Die Lubricant  
Grease 4 oz can with  
brush  
P/N: 104162



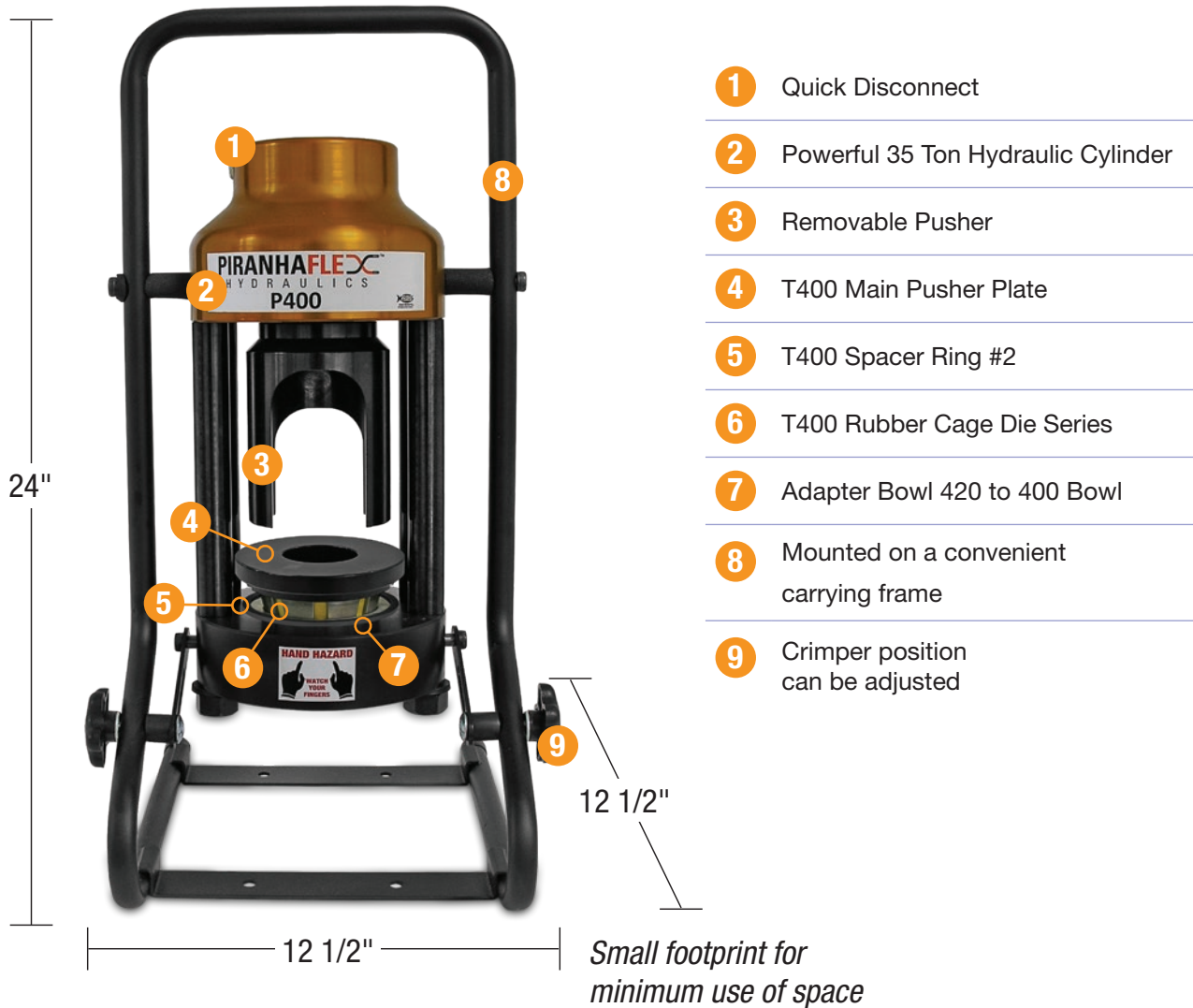
Die Storage Shelf  
P/N: 101431

For the latest Piranhaflex crimp specifications, visit [KOA.link/PF-Crimp-Specs](http://KOA.link/PF-Crimp-Specs)

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

# P400

## Portable Service Crimper



### DURABLE, RELIABLE DESIGN = PROFITABILITY

- Crimper position can be adjusted for optimum crimping position or dropped to vertical position for better balance when the crimper is being carried.
- Open design to provide excellent operator visibility.
- Complete range of dies and accessories available.

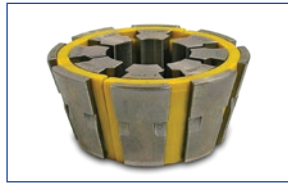
Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## P402 Dies and Tooling

The following P402 Series dies are designed to work with the P400 crimper.



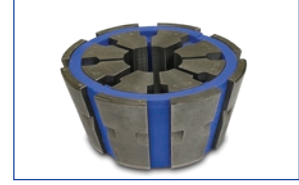
T400 12mm Die Set  
P/N: PF402-12D



T400 14.2mm Die Set  
P/N: PF402-14.2D



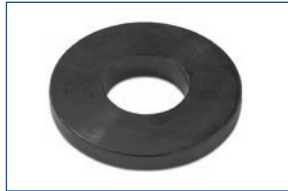
T400 17.4mm Die Set  
P/N: PF402-17.4D



T400 22.2mm Die Set  
P/N: PF402-22.2D



Adapter Bowl 420 to 400 Bowl  
P/N: PF420/400-AB



T400 Main Pusher Plate  
W/ Magnets  
P/N: PF400-MPP



T400 Spacer Ring #1  
P/N: PF402-1-SR



T400 Spacer Ring #2  
P/N: PF402-2-SR

In addition, the P402 dies are designed to work with the T400 series of crimpers shown below:



### LIGHT WEIGHT PORTABLE UNIT:

Truly "portable" crimper can be carried to almost any location where services is required.

### ENGINEERED TO ACCOMMODATE YOUR NEEDS

- 2 piece PF402 rubber caged die set make accurate fitting positioning easy.
- PF402 rubber caged dies sets for heavy duty environments.
- Color-coded die rubber cages for easy identification.



Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.





## HCMD

Medium Hose and Tubing Cutter

## HCLG

Large Hose and Tubing Cutter

## HCRCT

One Handed Ratchet Hose Cutter

### FEATURES AND ADVANTAGES

- HCMD – Cuts up to 1 5/8" Hose and Tubing  
Weight 4.3 oz.
- HCLG – Cuts up to 1 7/8" OD Hose and Tubing  
Weight 5.0 oz.
- HCRCT – Cuts up to 2 1/2" OD Hoses  
Weight 1.4 lbs.

View Up To Date Info



◀ SCAN OR VISIT

[KOA.link/  
Hose-Cutters](https://koi.link/Hose-Cutters)



## Replacement Blades

### HCMD-BLADE

Replacement blade for Medium Cutter  
*Medium Hose and Tubing Cutter*

### HCLG-BLADE

Replacement blade for Large Cutter  
*Large Bundle - Hose - Tubing Cutter*

### HCRCT-BLADE

Replacement blade for One Handed Ratchet Cutter  
*Large Bundle - Hose - Tubing Cutter*

View Up To Date Info



◀ SCAN OR VISIT

[KOA.link/  
Hose-Cutters](https://koi.link/Hose-Cutters)

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

## CAUTIONARY STATEMENT

All Products sold and distributed by Kuriyama of America, Inc. are commodities and are sold based on their ability to perform within each product's published specifications. The Products are not sold for particular purposes, uses or applications. Purchasers and users are solely responsible for determining whether the Products are suitable for the purchaser's or user's intended purposes, uses or applications. Purchasers and users shall conduct their own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories before determining the proper use, suitability or propriety of the Products. Alfagomma and Piranha Hose hoses and fittings are designed, engineered and tested to be used together in an assembly. Alfagomma and Piranha Hose do not recommend or authorize the use of their hoses or fittings with another manufacturer's hoses or fittings, as doing so may result in unreliable or unsafe assemblies.

Purchasers and users should follow all instructions contained in the catalogs, brochures, technical bulletins and other documents of Kuriyama of America, Alfagomma and Piranha Hose. Kuriyama of America, Alfagomma and Piranha Hose recommend only those hose and coupling combinations specified in the applicable Hydraulic Products Catalogs. The Products, including but not limited to, hose, tubing or couplings, may fail due to the use or conveyance of substances at elevated or lowered temperatures or at excessive pressure, the conveyance of abrasive, injurious, flammable, explosive or damaging substances.

Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation, and all sections of hose and tubing – including connections, couplings, clamps, conductivity and bonding – should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened to avoid leakage, prevent injuries or damage, and for general safety purposes.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

Kuriyama of America, Alfagomma and Piranha Hose shall not be liable or responsible for hose assemblies that have not been produced in conformance with their assembly recommendations and current crimp data charts.

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

The Products sold or distributed by Kuriyama of America are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER KURIYAMA OF AMERICA SHIPPED THE PRODUCTS. KURIYAMA OF AMERICA'S LIABILITY HEREUNDER IS LIMITED, AT KURIYAMA OF AMERICA'S EXCLUSIVE DISCRETION, TO 1) REFUND OF THE PURCHASE PRICE PAID TO IT FOR DEFECTIVE PRODUCTS; OR 2) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO KURIYAMA OF AMERICA.

THIS LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL KURIYAMA OF AMERICA, ALFAGOMMA OR PIRANHA HOSE BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF KURIYAMA OF AMERICA, ALFAGOMMA OR PIRANHA HOSE.

IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE, OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS, AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED, REWORKED BY ANYONE NOT APPROVED BY SELLER, OR USED IN ANY MANNER INCONSISTENT WITH THE PROVISIONS OF THE "CAUTIONARY STATEMENT" ABOVE OR ANY INSTRUCTIONS, MATERIALS OR SPECIFICATIONS PROVIDED WITH OR FOR THE PRODUCT.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray dashed lines. The paper has a white background and no other markings or text are present.

KPHCA0924



**Kuriyama of America – Huntley**



**Kuriyama of America – Houston**



**Kuriyama of America – Reno**



**Fortney Sales Co.**



**Kuriyama of America – Carlisle**



**Kuriyama De México**

**Distributed by:**



**CORPORATE OFFICE**

150 N Martingale Road, Suite 900, Schaumburg, IL 60173-2081  
Phone: (847) 755-0360 • Toll-free Fax: (800) 800-0320  
International Fax: (847) 885-0996

 [kuriyama.com](http://kuriyama.com)  [sales@kuriyama.com](mailto:sales@kuriyama.com)



Piranha Hose Products Inc. is ISO 9001 certified. Quality management system is certified to ISO 9001:2015 by Intertek  
The trademarks contained in this publication are trademarks of Kuriyama of America, Inc.

## SALES & WAREHOUSE LOCATIONS

### CENTRAL DISTRIBUTION CENTER

**KURIYAMA OF AMERICA, INC.**  
14200 Commerce Court  
Huntley, IL 60142  
☎ (847) 755-0360  
☎ (800) 800-0320  
🌐 [kuriyama.com](http://kuriyama.com) ✉ [sales@kuriyama.com](mailto:sales@kuriyama.com)

### SOUTHWEST WAREHOUSE

**KURIYAMA OF AMERICA, INC.**  
– **HOUSTON**  
200 Portwall Street, Suite 100  
Houston, TX 77029  
☎ (713) 674-8212 OR ☎ (800) 501-6808  
☎ (713) 674-5214 OR ☎ (800) 800-5214  
✉ [sales@kuriyama.com](mailto:sales@kuriyama.com)

### WESTERN WAREHOUSE

**KURIYAMA OF AMERICA, INC.**  
– **RENO**  
12910 Old Virginia Road, Suite 100  
Reno, NV 89521  
☎ (562) 941-4507  
☎ (562) 941-8940 OR ☎ (800) 326-8940  
✉ [sales@kuriyama.com](mailto:sales@kuriyama.com)

### SOUTHEAST WAREHOUSE

**FORTNEY SALES CO., INC.**  
4221 Cantrell Road NW  
Acworth, GA 30101  
☎ (770) 427-6528  
☎ (770) 423-9249 OR ☎ (800) 423-9249  
🌐 [FortneySales.com](http://FortneySales.com) ✉ [sales@fortneysales.com](mailto:sales@fortneysales.com)

### EASTERN WAREHOUSE

**KURIYAMA OF AMERICA, INC.**  
– **CARLISLE**  
1600 Distribution Drive, Building B  
Carlisle, PA 17013  
☎ (609) 758-0100  
☎ (609) 758-0102 OR ☎ (800) 445-7138  
✉ [sales@kuriyama.com](mailto:sales@kuriyama.com)

### IN CANADA

**KURI TEC CORPORATION**  
140 Roy Boulevard  
Brantford, ON, Canada N3R 7K2  
☎ (519) 753-6717  
☎ (519) 753-7737  
🌐 [Kuritec.com](http://Kuritec.com) ✉ [sales@kuritec.com](mailto:sales@kuritec.com)

### IN MEXICO

**KURIYAMA DE MÉXICO S DE RL DE CV**  
Av Jose Palomo Martinez No 520-20 Bodega 5  
Parque Industrial Omolap  
Apodaca, N.I. CP:66633, México  
☎ (81) 1086-1870 0 71  
🌐 [Kuriyama.com.mx](http://Kuriyama.com.mx) 🌐 [Kuriyama.com](http://Kuriyama.com)  
✉ [servicioalcliente@kuriyama.com](mailto:servicioalcliente@kuriyama.com)

**NAHAD**  
The Association for Hose  
and Accessories Distribution

