



KuriCrimpTM

Assembly System

Kuriyama General Purpose Rubber Hose with Hydraulic Fittings Assembly Manual



**Featuring
Industrial Hoses**

GP300TM

GP300 OILTM

MINOTAUR 500



KURIYAMA
OF AMERICA, INC.

Since 1968

kuriyama.com



GP300™

GP Series

EPDM Rubber General Purpose Air & Water Hose

GENERAL APPLICATIONS

- Air and water service in industrial, construction, and agricultural applications
- Air compressors
- Pneumatic tools
- Spray equipment
- Low-pressure transfer of non-corrosive liquids

TWO PIECE CRIMP SPECIFICATIONS

- Crimp entire length of ferrule.
- Verify crimp diameter by measuring across the lowest point of crimp.

TWO-PIECE CRIMP SPECIFICATIONS (A SERIES FITTING)

Hose Series	ID (in)	Fitting Series	Ferrule	Crimp Length	Insert Depth (in)	Crimp Diameter (in) ± 0.005 (mm) ± 0.1		Die Size (mm)	Micrometer Setting (mm)
GP-025	0.25	A-04xx	AFX-04	FULL SHELL	1	0.700	17.8	16	1.8
			PFR-04	FULL SHELL	1	0.575	14.6	14	0.6
GP-031	0.31	A-05xx	AFX-05	FULL SHELL	1	0.775	19.7	19	0.7
			PFR7-05	FULL SHELL	1	0.645	16.4	16	0.4
GP-038	0.38	A-06xx	AFX-06	FULL SHELL	1	0.860	21.8	19	2.8
GP-050	0.50	A-08xx	AFX-08	FULL SHELL	1	0.990	25.1	25	0.1
			PFR-08	FULL SHELL	1.25	0.875	22.2	22	0.2
GP-062	0.62	A-10xx	AFX-10	FULL SHELL	1	1.110	28.2	25	3.2
GP-075	0.75	A-12xx	AFX-12	FULL SHELL	1.25	1.250	31.8	31	0.8
GP-100	1.00	A-16xx	AFX-16	FULL SHELL	1.5	1.600	40.6	38	2.6
GP-125	1.25	A-20xx	AFX-20	FULL SHELL	2	1.900	48.3	46	2.3
GP-150	1.50	A-24xx	AFX-24	FULL SHELL	2.5	2.150	54.6	54	0.6
GP-200	2.00	A-32xx	AFX-32	FULL SHELL	3	2.750	69.9	69	0.9

*A-Series fittings and ferrules are available in stainless steel upon request.

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GP300 OIL™

GP300 Oil Series

Non-Conductive High Oil-Resistant General Service Hose



GENERAL APPLICATIONS

- Air and water service where contact with oil or oily mists is frequent
- Use in manufacturing plants, maintenance shops, and industrial facilities requiring high oil resistance and electrical non-conductivity
- Air compressors
- Pneumatic tools
- Equipment in environments exposed to lubricants or petroleum-based fluids
- Fuel transfer applications involving unleaded gasoline and diesel fuel

CONSTRUCTION

Tube – Black NBR, ARPM Class A High Oil Resistant

Reinforcement – Braided polyester yarn

Cover – Red NBR/PVC, ARPM Class A High Oil Resistant

TWO PIECE CRIMP SPECIFICATIONS

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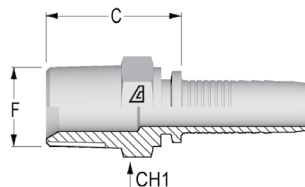
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			PFR-08	FULL SHELL	1.25	0.875	22.2	22	0.2
GPO-062	0.62	A-10xx	AFX-10	FULL SHELL	1	1.150	29.2	29	0.2
GPO-075	0.75	A-12xx	AFX-12	FULL SHELL	1.25	1.250	31.8	31	0.8
GPO-100	1.00	A-16xx	AFX-16	FULL SHELL	1.5	1.600	40.6	38	2.6
GPO-125	1.25	A-20xx	AFX-20	FULL SHELL	2	1.900	48.3	46	2.3
GPO-150	1.50	A-24xx	AFX-24	FULL SHELL	2.5	2.150	54.6	54	0.6
GPO-200	2.00	A-32xx	AFX-32	FULL SHELL	3	2.750	69.9	69	0.9

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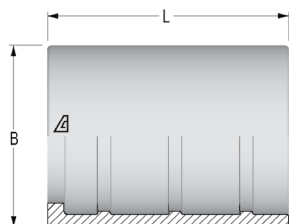
Two-Piece Fittings

INSERTS FOR TWO-PIECE FITTINGS – US END CONFIGURATIONS



NPTF MALE 60° SEAT

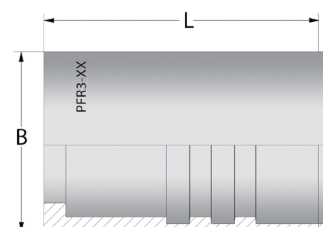
Part Number	Dash Size	Hose ID Size		F Thread	C Cut-Off	Hex Dia.	Weight
		(in)	(mm)	Dash Size	Factor (mm)	CH1 (mm)	(lbs/each)
				Size (in) - TPI			
A-0404-MNPT	04	1/4	6.4	04	1/4-18	26.8	0.06
A-0506-MNPT	05	5/16	7.9	06	3/8-18	27.8	0.11
A-0606-MNPT	06	3/8	9.5	06	3/8-18	27.8	0.09
A-0808-MNPT	08	1/2	12.7	08	1/2-14	32.1	0.17
A-1012-MNPT	10	5/8	15.9	12	3/4-14	34.1	0.24
A-1212-MNPT	12	3/4	19.0	12	3/4-14	34.6	0.26
A-1616-MNPT	16	1	25.4	16	1-11 1/2	44.4	0.53
A-2020-MNPT	20	1 1/4	31.8	20	1 1/4-11 1/2	49.0	0.90
A-2424-MNPT	24	1 1/2	38.1	24	1 1/2-11 1/2	50.5	1.10
A-3232-MNPT	32	2	50.8	32	2-11 1/2	54.2	2.87



AFX

Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight (lbs/each)
		(in)	(mm)			
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
AFX-20	20	1 1/4	31.8	53	56.5	0.42
AFX-24	24	1 1/2	38.1	60	61.5	0.45
AFX-32	32	2	50.8	76	73.5	0.82

NOTE: Also available in stainless steel in some sizes. To order stainless, add -SS to the end of the part number.
Example: A-0606-XXXX-SS



PFR / PIRANHA FLEX™

Part Number	Dash Size	Hose ID Size		B OD (mm)	L Length (mm)	Weight Each (lbs)
		(in)	(mm)			
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-08	08	1/2	12.7	25.4	36.0	0.06

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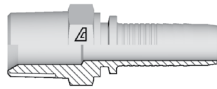


MINOTAUR 500 MINATR™ Series

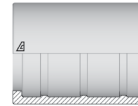
500 PSI Air and Multipurpose Hose

TWO PIECE CRIMP SPECIFICATIONS

- Crimp entire length of ferrule.
- Verify crimp diameter by measuring across the lowest point (not over ridges).



Two-Piece, Male NPT Crimp
Fitting (A-Series)



Crimp Ferrule for use with Two-
Piece Crimp Fitting (A-Series)

TWO-PIECE CRIMP SPECIFICATIONS (A SERIES FITTING)

Hose Series	ID (in)	Measured OD		Measured Wall Thickness		Fitting Series	Ferrule Part Number	Crimp Diameter		Die Size (mm)	Micrometer Setting (mm)
		(in)	(mm)	(in)	(mm)			(in) ± 0.005	(mm) ± 0.1		
MINATR-025	0.25	0.49	12.5	0.128	3.25	A-04xx	AFX-04	0.685	17.4	16	1.4
		0.51	13.0	0.138	3.50			0.697	17.7	16	1.7
		0.53	13.5	0.148	3.75			0.713	18.1	16	2.1
		0.55	14.0	0.157	4.00			0.724	18.4	16	2.4
		0.57	14.5	0.167	4.25			0.74	18.8	16	2.8
		0.59	15.0	0.177	4.5			0.752	19.1	19	0.1
		0.61	15.5	0.187	4.75			0.768	19.5	19	0.5
MINATR-038	0.38	0.65	16.5	0.128	3.25	A-06xx	AFX-06	0.827	21.0	19	2
		0.67	17.0	0.138	3.50			0.839	21.3	19	2.3
		0.69	17.5	0.148	3.75			0.854	21.7	19	2.7
		0.71	18.0	0.157	4.00			0.866	22.0	22	0
		0.73	18.5	0.167	4.25			0.882	22.4	22	0.4
		0.75	19.0	0.177	4.50			0.894	22.7	22	0.7
		0.77	19.5	0.187	4.75			0.909	23.1	22	1.1

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TWO-PIECE CRIMP SPECIFICATIONS (A SERIES FITTING)

Continued from previous page

Hose Series	ID (in)	Measured OD		Measured Wall Thickness		Fitting Series	Ferrule Part Number	Crimp Diameter		Die Size (mm)	Micrometer Setting (mm)
		(in)	(mm)	(in)	(mm)			(in) ± 0.005	(mm) ± 0.1		
MINATR-050	0.5	0.81	20.5	0.148	3.75	A-08xx	AFX-08	1.126	28.6	25	3.6
		0.83	21.0	0.157	4.00			1.138	28.9	25	3.9
		0.85	21.5	0.167	4.25			1.154	29.3	29	0.3
		0.87	22.0	0.177	4.5			1.165	29.6	29	0.6
		0.89	22.5	0.187	4.75			1.181	30.0	29	1
		0.91	23.0	0.197	5.00			1.193	30.3	29	1.3
		0.93	23.5	0.207	5.25			1.209	30.7	29	1.7
MINATR-075	0.75	1.08	27.5	0.167	4.25	A-12xx	AFX-12	1.252	31.8	31	0.8
		1.1	28.0	0.177	4.50			1.264	32.1	31	1.1
		1.12	28.5	0.187	4.75			1.28	32.5	31	1.5
		1.14	29.0	0.197	5.00			1.291	32.8	31	0.0
		1.16	29.5	0.207	5.25			1.307	33.2	31	2.2
		1.18	30.0	0.217	5.50			1.319	33.5	31	2.5
		1.2	30.5	0.226	5.75			1.335	33.9	31	2.9
MINATR-100	1.00	1.36	34.5	0.187	4.75	A-16xx	AFX-16	1.543	39.2	38	1.2
		1.38	35.0	0.197	5.00			1.555	39.5	38	1.5
		1.4	35.5	0.207	5.25			1.571	39.9	38	1.9
		1.42	36.0	0.217	5.50			1.583	40.2	38	2.2
		1.44	36.5	0.226	5.75			1.598	40.6	38	2.6
		1.46	37.0	0.236	6.00			1.61	40.9	38	2.9
		1.48	37.5	0.246	6.25			1.626	41.3	38	3.3
MINATR-125	1.25	1.67	42.5	0.207	5.25	A-20xx	AFX-20	1.807	45.9	42	3.9
		1.69	43.0	0.217	5.50			1.819	46.2	46	0.2
		1.71	43.5	0.226	5.75			1.835	46.6	46	0.6
		1.73	44.0	0.236	6.00			1.846	46.9	46	0.9
		1.75	44.5	0.246	6.25			1.862	47.3	46	1.3
		1.77	44.0	0.256	6.50			1.874	47.6	46	1.6
		1.79	45.5	0.266	6.75			1.89	48.0	46	2
MINATR-150	1.50	1.91	48.5	0.207	5.25	A-24xx	AFX-24	2.055	52.2	50	2.2
		1.93	49.0	0.217	5.50			2.067	52.5	50	2.5
		1.95	49.5	0.226	5.75			2.083	52.9	50	2.9
		1.97	50.0	0.236	6.00			2.094	53.2	50	3.2
		1.99	50.5	0.246	6.25			2.11	53.6	50	3.6
		2.01	51.0	0.256	6.50			2.122	53.9	50	3.9
		2.03	51.5	0.266	6.75			2.138	54.3	54	0.3

NOTE: Hydrostatic testing of all assemblies is suggested, refer to NAHAD Industrial Hose Assembly Guidelines.

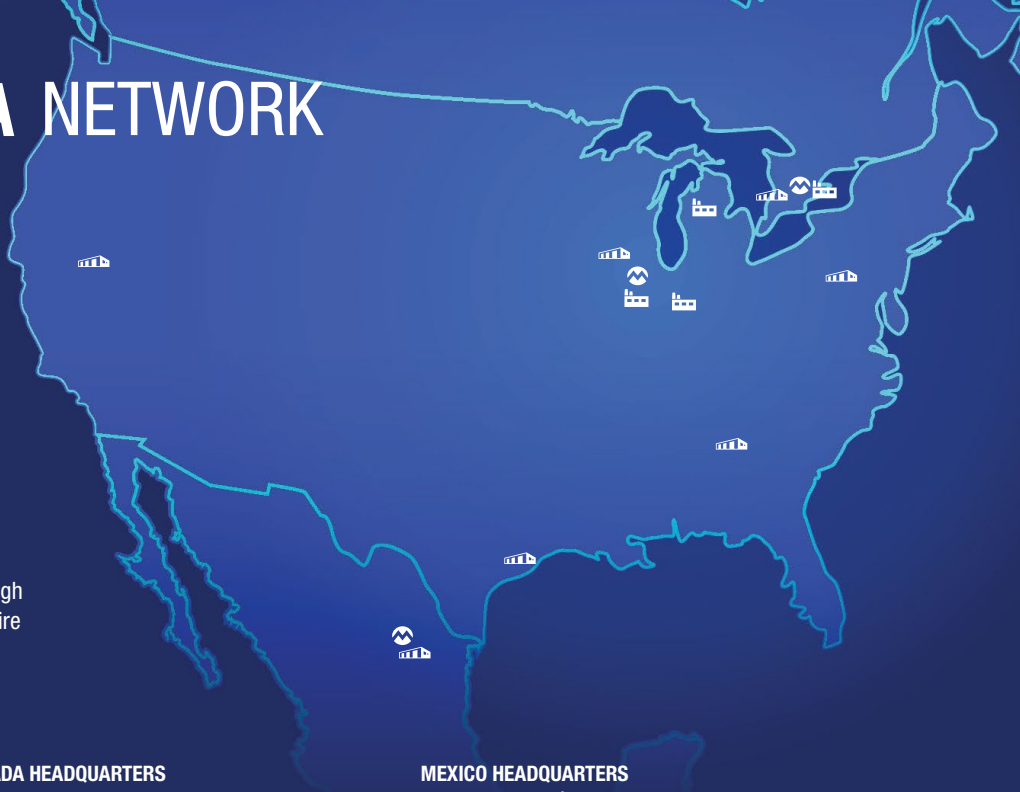
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THE KURIYAMA NETWORK

Kuriyama's North American Operations comprise an integrated network of manufacturing and distribution facilities strategically located across the continent. This footprint supports a wide range of industrial and hydraulic hose and couplings products, and the capability to engineer custom solutions for demanding applications.

The Kuriyama Distribution Network serves the United States through five primary distribution centers totaling more than 700,000 square feet, including a state-of-the-art 329,000 square foot Central Distribution Center in Huntley, Illinois.

Our Manufacturing Network includes seven North American manufacturing and compounding facilities, producing thermoplastic industrial hose, hydraulic hose, high pressure spray hose, metal hose assemblies, NFPA 1961 fire hose and engineered tubing.



CORPORATE HEADQUARTERS

NORTH AMERICAN HEADQUARTERS

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🌐 Kuriyama.com.mx
✉ servicioalcliente@kuriyama.com



MANUFACTURING, COMPOUNDING & PRODUCTION

TIGERFLEX CORPORATION

1551 Pratt Blvd
Elk Grove Village, IL 60007
☎ (847) 640-8366

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140 Roy Boulevard
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✉ sales@kuritec.com

ACCUFLEX INDUSTRIAL MFG.

760 Imperial Rd N
Guelph, ON, N1K 1Z3, Canada
☎ (519) 836-5460

KURITEC MANUFACTURING & KURIYAMA FIRE MFG.

2600 E. U.S. Highway 41
Attica, IN 47918
☎ (765) 764-6000
🏭 (765) 764-6001

HOSE TEC MANUFACTURING

2520 E. U.S. Highway 41
Attica, IN 47918
☎ (765) 762-5501 OR
☎ (800) 878-5501
🏭 (765) 762-5502 OR
🏭 (800) 879-8232

PIRANHA HOSE PRODUCTS

2500 Raymond Weigel St.
Cadillac, MI 49601
☎ (800) 250-5132 OR
☎ (231) 779-4390
🏭 (231) 779-4399



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Huntley, IL 60142
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Reno, NV 89521
☎ (847) 755-0360

SOUTHWEST WAREHOUSE – HOUSTON

200 Portwall Street, Suite 100
Houston, TX 77029
☎ (847) 755-0360

NORTHEAST WAREHOUSE – CARLISLE

1600 Distribution Drive,
Building B
Carlisle, PA 17013
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FORTNEY SALES CO., INC.
4221 Cantrell Road NW
Acworth, GA 30101
☎ (770) 427-6528
🏭 (770) 423-9249 OR
🏭 (800) 423-9249

CANADA CENTRAL DISTRIBUTION CENTER

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KURIYAMA
OF AMERICA, INC.

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