



Kuriyama of America, Inc. Oil & Gas Products



**Onshore
& Offshore
Drilling**



**Hydraulic
Fracturing
“Fracking”**



**Commercial
Diving**

Introduction

Introducing Kuriyama Oil & Gas Products

Onshore/Offshore Drilling and Production Products

Kuriyama Oil & Gas Products for onshore/offshore drilling and production provide reliable and dependable service for the demanding requirements within the oilfield industry. Kuriyama offers products to handle a wide range of applications involving high pressure, suction and discharge, transfer of water, chemicals and oil related products. Kuriyama-Couplings™ and Accessory components contribute to quality assemblies that withstand the rigors of the harshest environments.

Commercial Diving Products

Kuriyama Oil & Gas Products for commercial diving provide unique hose products for air breathing, low pressure air and hot water. Onshore/Offshore Specialty Umbilicals can be individually designed for customer requirements. Twin Line high pressure hoses are designed for use with underwater hydraulic tools.

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

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Flexor Rig™ Slim Hole Rotary Drilling Hose



Onshore Drilling & Production



Construction:

Tube – Oil resistant synthetic rubber.

Reinforcement – Four or six spiral wires for sizes -16 through -40 and four high tensile steel braids for size -48.

Cover – Abrasion, ozone, hydrocarbon and flame resistant synthetic rubber.

Couplings – Consult fittings catalog.

Lengths – For -16 and -20: Consult Kuriyama
-24 through -48: 100' lengths

Branding – ALFAGOMMA FLEXOR RIG ID – SLIM HOLE ROTARY –...WP ...MPa (...PSI) – DN – IN... MSHA IC-152/9 - Q/YR

Safety Factor – 4:1 for ID sizes 1" to 2".
3:1 for ID sizes 2 1/2" to 3".

Applications:

Rotary hose, specially designed for use in portable, work-over and seismograph drilling rigs.

Temperature Range: -40° F (-40° C) to 200° F (+93° C) constant operation.

Ambient temperature: -40° F (-40° C) to 176° F (+80° C).

Note: Operating temperatures in excess of 212° F (100° C) may materially reduce the life of the hose.

Nominal Specifications

Series Number	Size Code	Construction	Nominal ID		Nominal OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs/100ft)	Coupling Recommendations
			(In)	(mm)	(In)	(mm)		(In)	(mm)		
FLEXOR RIG-16	16	4 Spiral	1	25	1.52	38.7	5,000	12.2	305	134	Interlock
FLEXOR RIG-20	20	6 Spiral	1 1/4	32	1.96	49.8	5,000	16.8	419	241	Interlock
FLEXOR RIG-24	24	6 Spiral	1 1/2	38	2.26	57.3	5,000	20.3	508	322	Interlock
FLEXOR RIG-32	32	6 Spiral	2	51	2.79	70.9	5,000	25.4	635	447	Interlock
FLEXOR RIG-40	40	4 Spiral	2 1/2	64	3.20	81.0	3,000	28.8	720	426	Interlock
FLEXOR RIG-48	48	4 Braids	3	76	4.13	100.0	2,000	36.4	910	521	Consult Factory

† Minimum burst pressure 4:1 safety factor for ID sizes 1" to 2" and 3:1 for ID sizes 2 1/2" to 3".

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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Kuriyama Oil & Gas Products

Onshore/Offshore Drilling & Production

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Dunlop Hiflex Firesafe 5000 Hose

SAFETY COMES FIRST!

The Dunlop Hiflex Firesafe 5000 hose offers an effective solution in applications that rely on hydraulically powered emergency systems. These systems are often required to function for a period of time in order to close off fire prevention barriers and valve gear or to maintain other critical services.

Construction:

Tube: Black; oil resistant synthetic rubber.

Reinforcement: Four/six high tensile steel spirals.

Cover: Red; oil & fire resistant synthetic rubber.

Lengths: Contact Kuriyama for sizes -04 through -16; all larger sizes 100 ft.

† **Safety Factor:** Minimum burst pressure 4-to-1

Features & Advantages:

- Resistance, safety and reliability.
- Firesafe hose is designed for use in areas where the continuation of the hydraulic function during emergency fire situations is vital in order to shut down plant and machinery or to keep the fire fighting system operational.
- Widely used in Blow-out Preventor Systems.
- Available from 1/4" to 2", Firesafe 5000 is designed to cater for a variety of applications.
- As with all safety critical products, the key to the Firesafe hose is reliability.
- Dunlop Hiflex Firesafe 5000 has been tested according to API 16D.

Applications:

- Defense Installations - for strategic hydraulic services.
- Off-Shore - Blow-out Preventor valves.
- Industrial - Steel mills, foundries, forging shops and others volatile environments.
- Mining - Fiery mines and areas with low flash point ignition risk.
- Marine - Tanker pump rooms and ring main systems.
- Refineries - Critical plant control systems.
- Hydraulic systems - with petroleum or water/glycol based fluids and for fuel and lubricating oils.

Available Assembly Accessories:

NOTE – Please contact Kuriyama of America for Assembly Components.

- Fiberglass Wrap – Part Number FSFT-24-1/8X100
For extra insulation over crimped hose end.
- Over Ferrules (Part numbers in last column of table below)
To be crimped over fiberglass wrapped hose end to secure and provide extra protection.
- High Temp Caulk FSPLT-310MLTUBE
To seal any exposed areas after wrap and over-ferrule are applied.

Temperature Range: Constant operation -40°F (-40°C) to 250°F (+121°C)

Nominal Specifications

Series Number	Size Code	Nominal ID		Nominal OD		Max. Working Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations Ferrules (Two Piece)	Accessory Over Ferrule
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)			
FS5000-04	04	1/4	6	1.02	26.0	5,000	5.91	150	47	H1100404-04	FSOF-04
FS5000-06	06	3/8	10	1.13	28.7	5,000	7.09	180	53	H1100404-06	FSOF-06
FS5000-08	08	1/2	12	1.25	31.8	5,000	9.06	230	86	H1100404-08	FSOF-08
FS5000-12	12	3/4	20	1.56	39.6	5,000	11.81	300	124	H1100404-12	FSOF-12
FS5000-16	16	1	25	1.85	47.0	5,000	13.39	340	180	H1400200-16	FSOF-16
FS5000-20	20	1 1/4	32	2.12	53.8	5,000	18.11	460	224	H1400200-20	FSOF-20
FS5000-24	24	1 1/2	38	2.59	65.8	5,000	22.05	560	394	H1400301-24	FSOF-24
FS5000-32	32	2	51	3.13	79.4	5,000	27.56	700	522	H1400301-32	FSOF-32

Note: Dunlop Hiflex Firesafe 5000 assemblies require specific assembly procedures and components in order to meet the requirements of API 16D. Failure to follow proper assembly procedures, along with the recommended components, can result in assembly failure, serious injury or death and/or significant property damage. Please contact Kuriyama of America to request further information.

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Instrument Tubing Bundles - Series 982

Construction:

- High density black polyethylene tubes (Series 2423).
- Special cabled process.
- Film barrier.
- Thick PVC outer jacket.

Features & Advantages:

- Inner tubes are number-coded to make for easier application installations.
- HDPE tubes provide higher temperature and pressure capabilities than comparable low density polyethylene tubes.
- Special black HDPE material offers UV and weather resistance tubes.
- Inner tubes have enhanced crush resistance and mechanical properties that enable them to be used in place of more expensive metal tubing.
- Cabled construction provides tighter bend radius values without putting undue strain on the tubes.
- Film barrier over cabled tubes allows for easy removal of the outer jacket and separation of the tubes.
- Extra thick PVC outer jacket provides protection from high weathering, adds durability, and is resistant to inorganic and organic chemicals.
- Saves installation costs versus using more expensive armor or conduit type products.

Applications:

- In-plant pneumatic instrument equipment requiring protection from abrasive environments and weld splatter in plant areas.
- Oil field BOP pneumatic equipment environments.

Technical Specifications:

HDPE Tubing - Series 2423 Black Weather Resistant Tubing.

HDPE Tubing Size:

2423-0440 1/4" OD x 0.040" wall
250 psi working pressure at 70° F (20° C)

HDPE Tubing Size:

2423-0662 3/8" OD x 0.062" wall
250 psi working pressure at 70° F (20° C)

HDPE Tube Material Standards:

HDPE Material: ASTM D-1248 classification
Type III Class C Grade W9 Category 5
ASTM D-1693 ESCR > 5000 hours

Black PVC Jacket Material Information:

- Black PVC Jacket - 3/16" thick jacket combines flexibility with good abrasion resistance.
- Made using 88 Shore "A" PVC light weight and abrasion resistant compound.

Bundle Configurations:

For a choice of available HDPE tubes in 1/4" or 3/8" OD sizes, as separate bundle configurations, or in combination, please see the table information on page 3.

Available Lengths:

The part numbers shown on page 3 indicate standard 1,000 ft. reel lengths of those configurations. Tubing bundles are made to order. Other lengths can be specified and pricing will be based on quantities required at time of order. For inquiries, please contact your nearest Kuriyama sales/warehouse location for more information.

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Kuriyama Oil & Gas Products

Onshore Drilling & Production

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1/4" OD X 0.040" Wall HDPE Tubes / 0.19" Thick PVC Jacket

Nominal Specifications

Part No.	# of Tubes	Available Range	Approx. Bundle OD (in.)	Minimum Bend Radius	Weight c/ft.	
					Lbs.	Kgs.
9820200X1K	2	2	5/8" X 7/8"	2.5"	20.2	9.2
9820300X1K	3	3	1 3/16" X 7/8"	3.5"	24.4	11.1
9820400X1K	4	4	1"	4.0"	30.4	13.8
9820700X1K	7	5-7	1 1/8"	5.5"	37.8	17.2
98201000X1K	10	8-10	1 1/8" X 1 3/8"	6.0"	44.0	20.0
98201200X1K	12	11-12	1 3/8"	6.5"	52.1	23.7
98201400X1K	14	13-14	1 1/2"	7.0"	58.5	26.6
98201900X1K	19	15-19	1 5/8"	9.0"	67.3	30.6
98202400X1K	24	20-24	2"	9.5"	85.1	38.7
98203700X1K	37	31-37	2 3/8"	10.0"	111.8	50.8

3/8" OD X 0.062" Wall HDPE Tubes / 0.19" Thick PVC Jacket

Nominal Specifications

Part No.	# of Tubes	Available Range	Approx. Bundle OD (in.)	Minimum Bend Radius	Weight c/ft.	
					Lbs.	Kgs.
9820002X1K	2	2	3/4" X 1 1/8"	3.5"	29.3	13.3
9820003X1K	3	3	1" X 1 1/8"	4.5"	37.3	17.2
9820004X1K	4	4	1 1/4"	5.0"	44.4	20.2
9820007X1K	7	5-7	1 1/2"	6.5"	60.3	27.4
98200010X1K	10	8-10	1 1/2" X 1 7/8"	8.0"	74.1	33.7
98200012X1K	12	11-12	1 7/8"	9.0"	85.4	38.8
98200014X1K	14	13-14	1 7/8" X 2 1/8"	10.0"	94.6	43.0
98200019X1K	19	15-19	2 1/4"	14.0"	115.7	52.6
98200024X1K	24	20-24	3"	16.0"	152.9	69.5
98200037X1K	37	31-37	3 1/8"	18.0"	191.2	86.9

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T605AA - 150 PSI Black Petroleum S&D Hose



APPLICATION

For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content.

COVER

Black CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT

High tensile textile cords and highly flexible steel helix wires.

TUBE

Black conductive NBR.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet: 3/4" through 6"

20 feet: 6", 8"

WORKING PRESSURE

Constant Pressure 150 PSI

BRANDING

ALFAGOMMA – ITALY T605 – 10 BAR (150 PSI)

PETROLEUM – S & D (in red letters)

Nominal Specifications

★ T605 is not recommended for use on a reel.

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T605AA075	3/4	19	1.14	29	40	3
T605AA100	1	25	1.38	35	50	4
T605AA125	1 1/4	32	1.65	42	60	5
T605AA150	1 1/2	38	1.89	48	69	6
T605AA200	2	51	2.40	61	89	8
T605AA250	2 1/2	63	2.95	75	140	10
T605AA300	3	76	3.46	88	167	12
T605AA400	4	102	4.57	116	228	16
T605AA600	6	152	6.69	170	481	24
T605AA800	8	203	8.86	225	782	32

COUPLING SUGGESTIONS

Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T605AH - 150 PSI Red Petroleum S&D Hose



APPLICATION

For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content.

COVER

Red CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT

High tensile textile cords and highly flexible steel helix wires.

TUBE

Black conductive NBR.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure 150 PSI

BRANDING

ALFAGOMMA – ITALY T605 – 10 BAR (150 PSI)

PETROLEUM – S & D (in yellow letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T605AH150	1 1/2	38	1.89	48	71	6
T605AH200	2	51	2.40	61	92	8
T605AH300	3	76	3.46	88	171	12
T605AH400	4	102	4.57	116	234	16

★ T605 is not recommended for use on a reel.

COUPLING SUGGESTIONS

Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T606AE - 150 PSI Corrugated Petroleum S&D - Arctic Hose



APPLICATION

For suction and discharge applications in truck and tank car transfer of gasoline, oil and other petroleum-based products with up to 50% aromatic content. Where extreme flexibility is needed in low temperature.

COVER

Blue CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT

High tensile textile cords and highly flexible steel helix wires.

TUBE

Black conductive NBR.

TEMPERATURE RANGE

-65°F (-54°C) to 180°F (+82°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure 150 PSI

BRANDING

ALFAGOMMA – ITALY T606 – 10 BAR (150 PSI)
 PETROLEUM – S & D Arctic (in blue letters on yellow layline)

*Full vacuum - all sizes.

Nominal Specifications

SERIES NO.	NOMINAL ID		VACUUM RATING	APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)			
T606AE200	2	51	FULL	106	3
T606AE300	3	76	FULL	184	4 1/2
T606AE400	4	102	FULL	261	6

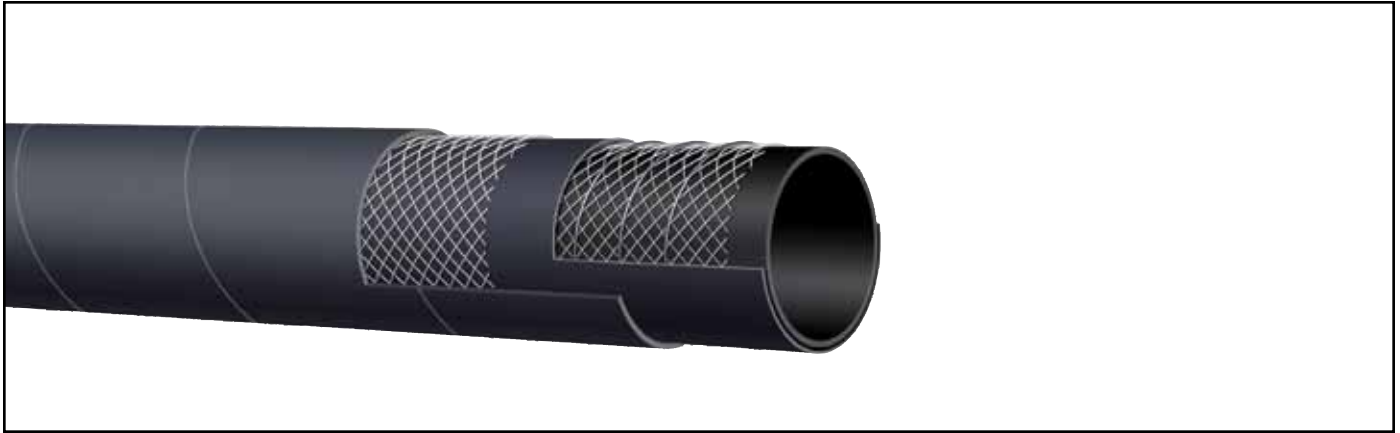
COUPLING SUGGESTIONS

Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T620AA - 300 PSI Black Fuel & Oil Suction & Delivery Hose



APPLICATION

Fuel and oil suction and discharge for up to 50% aromatic content. Designed for heavy duty applications.

COVER

Black conductive CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT

High tensile textile cords, steel helix wires and static wire.

TUBE

Black conductive NBR.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet: 2" through 6"

20 feet: 6"

WORKING PRESSURE

Constant Pressure – 20 Bar (300 PSI)

BRANDING

ALFAGOMMA – ITALY T620 – 20 BAR (300 PSI)

PETROLEUM – S & D (in red letters) Ω

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T620AA200	2	51	2.48	63	110	8
T620AA300	3	76	3.54	90	177	12
T620AA400	4	102	4.57	116	241	16
T620AA600	6	152	6.69	170	531	24

COUPLING SUGGESTIONS

Quick-Acting, combination nipples attached with bands or internally expanded brass couplings with gasket seal attached with ferrules.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T629AA - 150 PSI Black Biofuel Petroleum Suction Hose



APPLICATION

For suction and discharge applications in truck and tank car transfer of gasoline, oil and Biofuels - up to E98 and B100* with up to 60% aromatic content at ambient temperature.

COVER

Black specially-blended neoprene - added resistance against abrasion, ozone and hydrocarbons.

REINFORCEMENT

High tensile textile cords and steel helix wires.

TUBE

Black conductive synthetic rubber.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet: 3/4" through 4"

WORKING PRESSURE

Constant Pressure 150 PSI

BRANDING

ALFAGOMMA – ITALY T629 – 10 BAR (150 PSI)
BIOFUEL Ω (in green letters)

*Applies to Biodiesels which meet the ASTM D6751 criteria

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)		
T629AA075	3/4	19	1.14	29	41	3
T629AA100	1	25	1.38	35	51	4
T629AA125	1 1/4	32	1.65	42	60	5
T629AA150	1 1/2	38	1.89	48	70	6
T629AA200	2	51	2.40	61	91	8
T629AA250	2 1/2	63	2.95	75	142	10
T629AA300	3	76	3.46	88	169	12
T629AA400	4	102	4.57	116	234	16

★ T629 is not recommended for use on a reel.

COUPLING SUGGESTIONS

Quick-Acting or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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T650AH - 150 PSI Oil Discharge Hose



APPLICATION

Oil discharge hose designed for use on trucks, docks or barges where a soft wall hose is required.

COVER

Red CR – abrasion, ozone and hydrocarbon resistant.

REINFORCEMENT

Spiralled high tensile textile cords with embedded static wire.

TUBE

Black conductive NBR.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure – 10 Bar (150 PSI)

BRANDING

ALFAGOMMA – ITALY T650 10 BAR (150 PSI) –
PETROLEUM DELIVERY (in yellow letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T650AH150	1 1/2	38	1.89	48	62
T650AH200	2	51	2.40	61	81
T650AH300	3	76	3.46	88	142
T650AH400	4	102	4.49	114	192

COUPLING SUGGESTIONS

Quick-Acting or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T757AA / T737AA - 600 PSI Plaster & Concrete Hose (New Series T737AA for 3" ID)

Onshore Drilling – Liquid Mud



APPLICATION

Designed for pumping plaster, grout, and wet cement to placement sites.

COVER

Black conductive SBR/NR – abrasion and ozone resistant.

REINFORCEMENT

High tensile textile cords.

TUBE

Black conductive NR – abrasion resistant.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure – 40 Bar (600 PSI)

BRANDING

ALFAGOMMA – ITALY T757 – 40 BAR (600 PSI)
PLASTER & CONCRETE (in white letters)

and

ALFAGOMMA – ITALY T737 – 40 BAR (600 PSI)
PLASTER & CONCRETE (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T757AA150	1 1/2	38	2.13	54	82
T757AA200	2	51	2.64	67	111
T737AA300	3	76	4.09	104	296

COUPLING SUGGESTIONS

Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

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

One and two wire braid reinforced hydraulic hose with MINETUFF Cover – AT3KMT



AT3KMT – Formerly AT833MT One and two wire braid

Meets or exceeds the working and burst pressure requirements of SAE 100 R17 –
Meets or exceeds EN 857 1SC (Sizes 04 and 06)
– Meets flame resistance acceptance designation US MSHA IC-152/8.

Construction:

- Tube** – Synthetic rubber, black... oil-resistant.
- Reinforcement** – One or two layers of high tensile steel wire braid reinforcement.
- Cover** – Synthetic rubber, black... oil, fuel, weather, ozone and abrasion-resistant.
- Couplings** – Crimp-on permanent type.
- Branding** – ALFAGOMMA AT3K MINETUFF ID...WP MPa... MPa... SAE 100R17 - DN... Q/YR

Application:

Medium pressure service with petroleum based hydraulic fluids such as hot oil, grease, lubricants, and crude oils, air and water. Developed to withstand punishing conditions and to meet increasing pressure pulsing, flexing and temperature demands not currently covered by International specifications.

Features extraordinary flexibility, excellent bend radii properties, superior performance under flex-impulse conditions, and exceptional long life. Tested over 1,000,000 impulse cycles at 120% of rated working pressure.

Temperature Range: -40°F (-40°C) to 212°F (100°C) constant operation.

Maximum operating temperature: 250°F (121°C). **Air maximum temperature:** 175°F (80°C).

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working† Pressure (psl)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations		
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)	New Ferrules (Two Piece)
AT3KMT	04	1/4	6.0	0.48	12.1	3,250	2.0	50	11	C121XXXX-04	H1200103-04	H1200101-04
AT3KMT	05	5/16	8.0	0.56	14.1	3,100	2.2	55	13	C121XXXX-05	H1200103-05	H1200101-05
AT3KMT	06	3/8	10.0	0.61	15.6	3,000	2.6	65	17	C121XXXX-06	H1200103-06	H1200101-06
AT3KMT	08	1/2	13.0	0.77	19.5	3,000	3.6	90	24	C121XXXX-08	H1200103-08	H1200101-08
AT3KMT	10	5/8	16.0	0.93	23.7	3,000	4.2	105	41	C122XXXX-10		H1200AD1-10
AT3KMT	12	3/4	19.0	1.09	27.7	3,500	5.0	125	53	C122XXXX-12		H1200AD1-12
AT3KMT	16	1	25.0	1.40	35.6	3,000	6.0	150	83	C122XXXX-16		H1200AD1-16

† Minimum burst pressure 4-to-1 safety factor.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Flexopak 2 Hydraulic Hose



Double compact wire braid hydraulic hose on easy-to-handle reels – TF2MT/TF2ST



TF2MT/TF2ST – Formerly T822AA/T822MT
Double wire braid
 Meets or exceeds EN 857 2SC and exceeds SAE 100 R16

Construction:

- Tube** – Synthetic rubber, black.
- Reinforcement** – Two high tensile steel wire braids, separated by a layer of synthetic rubber.
- Cover** – Synthetic rubber, black... weather, oil, fuel, ozone and excellent abrasion-resistant.
- Couplings** – Crimp-on permanent type.
- Branding** – ALFAGOMMA FLEXOPAK 2 ID ...WP ... MPa (... PSI) – EXCEEDS SAE 100 R16 – EN 857 2SC ...DN ...Q/YR

Application:

High pressure service with tight bends with petroleum-based hydraulic fluids, water/glycol, water- and fire-resistant hydraulic fluids, hot oil, grease, lubricants, crude oil, fuel oils, air and water. Excellent impulse performance, exceeding 1,000,000 cycles when tested with appropriate ALFAGOMMA couplings. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.
MSHA IC-152/8 accepted cover on TF2MT and TF2ST hose styles.

*Flexopak 2 is also available with our new SUPERTUFF cover.

Temperature Range: -40°F (-40°C) to 212°F (100°C) constant operation.

Maximum operating temperature: 257°F (125°C). **Air maximum temperature:** 160°F (70°C).

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	New Series Number with SUPERTUFF Cover	Size Code	Nominal ID Nominal OD				Max. Working† Pressure (psi)	Min. Bend. Radius			Approx. Weight (lbs./100ft.)	Coupling Recommendations		
			(in.)	(mm)	(in.)	(mm)		(in.)	(mm)	AlfaCrimp (One Piece)		Ferrules (Two Piece)	Skive Option (Two Piece)	
TF2MT	TF2ST	04	1/4	6.4	0.53	13.4	5,850	2.0	51	18	C122XXXX-04	H1200AD1-04	H1100204-04	
TF2MT	TF2ST	06	3/8	9.5	0.69	17.4	5,000	2.5	64	28	C122XXXX-06	H1200AD1-06	H1100204-06	
TF2MT	TF2ST	08	1/2	12.7	0.81	20.6	4,500	3.5	90	37	C122XXXX-08	H1200AD1-08	H1100204-08	
TF2MT	TF2ST	10	5/8	15.9	0.93	23.7	4,000	4.0	101	41	C122XXXX-10	H1200AD1-10	H1100204-10	
TF2MT	TF2ST	12	3/4	19.0	1.09	27.7	3,500	4.7	121	59	C122XXXX-12	H1200AD1-12	H1100204-12	
TF2MT	TF2ST	16	1	25.4	1.41	35.6	2,700	6.0	152	86	C122XXXX-16	H1200AD1-16	H1100204-16	

† Minimum burst pressure 4-to-1 safety factor.

‡ Note: The AlfaCrimp C122XXXX-XXXX fitting for FXP2 sizes -12 and -16 are not shown in this catalog. Please call your nearest KOA warehouse for details.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Flexor T604AA - SAE 100 R4 Oil Return Hose



T604AA –
Textile reinforced with four spiral wire helix to prevent collapsing
 Meets or exceeds SAE 100 R4

Construction:

Tube – Black, conductive NBR.

Reinforcement – Textile reinforced with four spiral wire helix to prevent collapsing.

Cover – Black CR... oil, fuel, weather, ozone and abrasion-resistant.

Couplings – Crimp-on permanent type or combination nipples with bands.

Note: Hose cover does not need to be removed before attaching couplings.

Branding – ALFAGOMMA – Italy – T604 (PSI) - SAE 100 R4 - (SIZE) - Date

Application:

Low pressure return lines or suction lines with half the bend radius requirements of SAE J517 100 R4, service with petroleum based hydraulic fluids, water-glycol and water-fire resistant hydraulic fluids, oil, lubricants, crude oil, fuel oils and water.

MSHA accepted cover available on request.

Temperature Range: -40°F (-40°C) to 212°F (100°C) constant operation.

Maximum operating temperature: 257°F (+125°C). **Air maximum temperature:** 175°F (80°C).

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Nominal Specifications

Series Number	Size Code	Nominal ID		Nominal OD		Max. Working [†] Pressure (psl)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations	
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)
T604AA	075	3/4	19.0	1.14	29.0	300	2.2	57	40	N/A	H1200203-12
T604AA	100	1	25.0	1.38	35.0	250	3.0	76	50	N/A	H1200203-16
T604AA	125	1 1/4	32.0	1.65	42.0	200	3.8	95	60	N/A	H1200203-20
T604AA	150	1 1/2	38.0	1.89	48.0	150	4.5	114	69	N/A	H1200203-24
T604AA	200	2	51.0	2.40	61.0	100	6.0	152	89	N/A	H1200203-32

Note: For sizes larger than 2", please refer to Kuriyama's Industrial Rubber Hose catalog, Type T605AA.

[†] Minimum burst pressure 4-to-1 safety factor.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

T758AA / T758AE - 800 PSI Plaster, Grout & Concrete Hose

Onshore Drilling – High Pressure Cementing



APPLICATION

Designed for pumping plaster, grout, wet cement to construction placement sites at rated pressures.

COVER

BLACK – SBR/NR
BLUE – SBR/EPDM

REINFORCEMENT

Spiralled high tensile textile cords.

TUBE

Black conductive NR – abrasion-resistant.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure – 55 Bar (800 PSI)

BRANDING

ALFAGOMMA – ITALY T758 – 55 BAR (800 PSI)
PLASTER & CONCRETE (in white letters)

Nominal Specifications

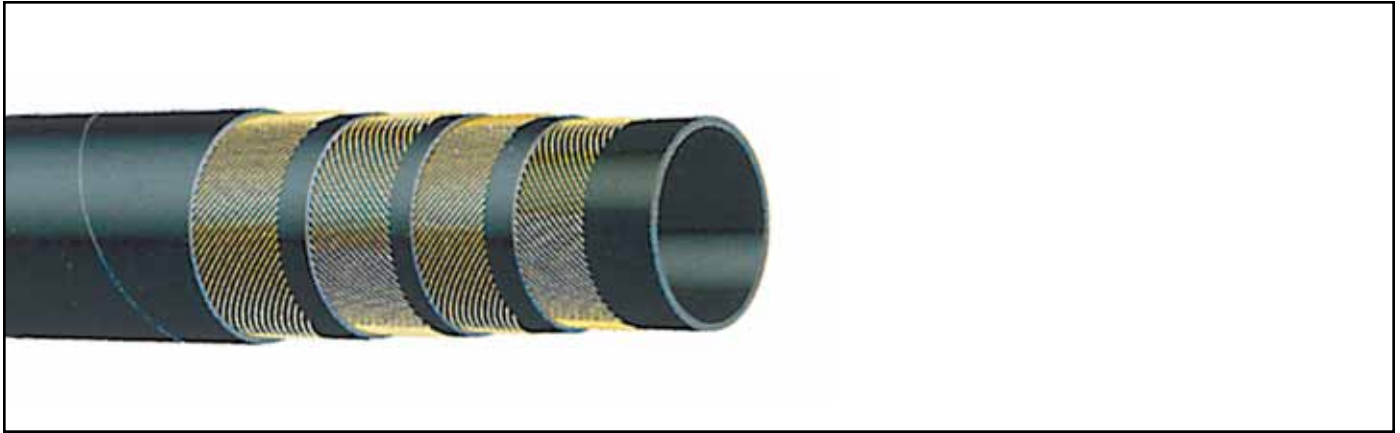
SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T758AA/AE100	1	25	1.57	40	57
T758AA/AE125	1 1/4	32	1.93	49	85
T758AA/AE150	1 1/2	38	2.28	58	112
T758AA/AE200	2	51	2.80	71	151

COUPLING SUGGESTIONS

Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

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

T740AA - 1275 PSI High Performance Steel - Reinforced Concrete Pumping Hose



APPLICATION

Steel-reinforced concrete pumping hose – Special easy-handling construction for concrete placement at casting site.

COVER

Black conductive SBR/NR blend – abrasion and ozone resistant.

REINFORCEMENT

High tensile steel cords.

TUBE

Black conductive NR – abrasion resistant.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

WORKING PRESSURE

Working Pressure – 85 Bar (1275 PSI)

STANDARD LENGTH

100 feet 2" through 4"
50 feet 2" through 5"

BRANDING

ALFAGOMMA – ITALY T740 85 BAR (1275 PSI) W. P. HEAVY DUTY CONCRETE PUMPING (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		WALL THICKNESS (mm)	APPROX. WT. lbs./100 ft.	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T740AA200	2	51	2.68	69	9	145	10
T740AA250	2 1/2	63	3.35	85	11	227	10 1/2
T740AA300	3	76	3.94	100	12	308	15
T740AA400	4	102	5.04	128	13	505	20
T740AA500	5	127	6.10	155	14	735	25

COUPLING SUGGESTIONS

Tubular steel full flow male permanently swaged or internally expanded with ferrule to provide maximum hose coupling compatibility.

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

Fracking



The Hydraulic Fracturing or “Fracking” Process

Kuriyama offers quality hose products for handling various fluids used in the fracking process. Included are:

- T601AA Oil Field Frack Tank Hose for handling crude oil, frack solutions and slurries
- T5050G XLPE and T5090E UHMWPE chemical hoses for handling and transferring chemicals and related solutions
- T760AA and T763AA dry powder discharge hoses for handling sand in cementing operations

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



T601AA - 150 PSI Oil Rigger/Oil Field-Frack Tank Hose



APPLICATION

Oil field vacuum tank service, for handling crude oil, frac solutions and slurries.

Note: For applications up to 35% aromatics.

Not for use with refined petroleum products.

COVER

Black, SBR, abrasion, ozone, limited oil resistance.

REINFORCEMENT

High tensile textile cords; highly flexible steel helix wire.

TUBE

Black Nitrile – PVC blend, limited oil resistance, for oil field

use.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet: 2" through 6"

20 feet: 6" and 8" only

BRANDING

ALFAGOMMA – ITALY T601 10 BAR (150 PSI)

OIL FIELD-FRAC TANK HOSE (in blue letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T601AA200	2	51	2.40	61	91	150	10
T601AA300	3	76	3.46	88	169	150	15
T601AA400	4	102	4.57	116	232	150	20
T601AA600	6	152	6.61	168	444	150	30
T601AA800	8	203	8.86	225	660	150	40

COUPLING SUGGESTIONS

Quick-Acting couplings or combination nipples attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T505OG - Acid - Chemical S&D 240 PSI - XLPE

Onshore Drilling – Fracking Transfer Hoses

Warning
 Before using chemical hoses consult chemical resistance chart or consult factory.



APPLICATION

Suction and transfer service for a variety of chemicals and solvents. Will handle 90% of existing chemicals. See Chemical Resistance Chart on pages 58 – 66.

COVER

Green EPDM – abrasion and ozone resistant.

REINFORCEMENT

High tensile textile cords and 4 highly flexible steel helix wires.

TUBE

Transparent XLPE (cross-linked polyethylene).

TEMPERATURE RANGE

Normal recommended operating temperature is -4°F (-20°C) to 150°F (+65°C).

STANDARD LENGTH

100 feet

BRANDING

ALFAGOMMA – ITALY T505 16 BAR (240 PSI) – XLPE
 CHEMICAL – S & D (in orange letters)

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.
 NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T505 HOSE BE FLUSHED OUT AFTER EVERY USE.

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T505OG075	3/4	19	1.22	31	46	240	7 1/2
T505OG100	1	25	1.46	37	57	240	9
T505OG150	1 1/2	38	2.01	51	78	240	13 1/4
T505OG200	2	51	2.56	65	103	240	16 1/4
T505OG300	3	76	3.62	92	187	240	20 3/4
T505OG400	4	102	4.65	118	254	240	26 1/2

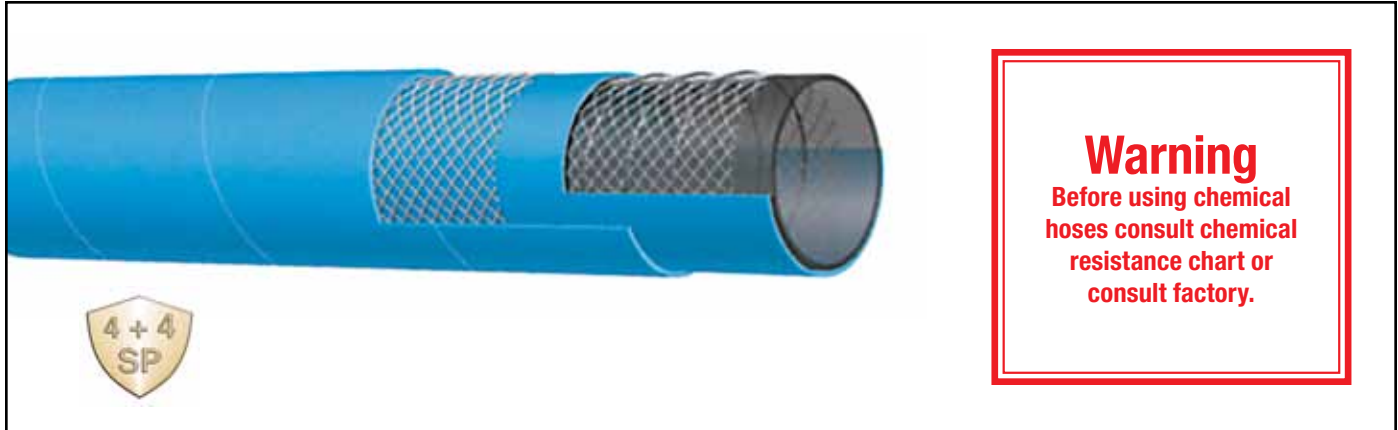
COUPLING SUGGESTIONS

Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T509OE - Acid - Chemical S&D 240 PSI - UHMWPE



APPLICATION

Suction and transfer service for a variety of chemicals and acids. Will handle 98% of EXISTING CHEMICALS. See Chemical Resistance Chart on pages 58 – 66.

COVER

Blue EPDM – abrasion and ozone resistant.

REINFORCEMENT

Synthetic textile cords with 4 highly flexible steel helix wires.

TUBE

Transparent UHMWPE (Ultra High Molecular Weight Polyethylene).

TEMPERATURE RANGE

Normal recommended operating temperature is -4°F (-20°C) to 150°F (+65°C).

FEATURES

Meets FDA requirements

STANDARD LENGTH

100 feet

BRANDING

ALFAGOMMA – ITALY T509 16 BAR (240 PSI) – UHMWPE CHEMICAL – S&D (in orange letters)

IT IS ADVISABLE TO TEST THE TUBE MATERIAL UNDER ACTUAL SERVICE CONDITIONS PRIOR TO USE.

NOTE: FOR MAXIMUM SERVICE LIFE, WE RECOMMEND THAT T509 HOSE BE FLUSHED OUT AFTER EVERY USE.

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T5090E075	3/4	19	1.22	31	40	240	7 1/2
T5090E100	1	25	1.46	37	49	240	9
T5090E125	1 1/4	32	1.73	44	58	240	10 1/4
T5090E150	1 1/2	38	1.97	50	68	240	13 1/4
T5090E200	2	51	2.48	63	89	240	16 1/4
T5090E250	2 1/2	63	3.03	77	140	240	17 1/2
T5090E300	3	76	3.62	92	190	240	20 3/4
T5090E400	4	102	4.65	118	259	240	26 1/2

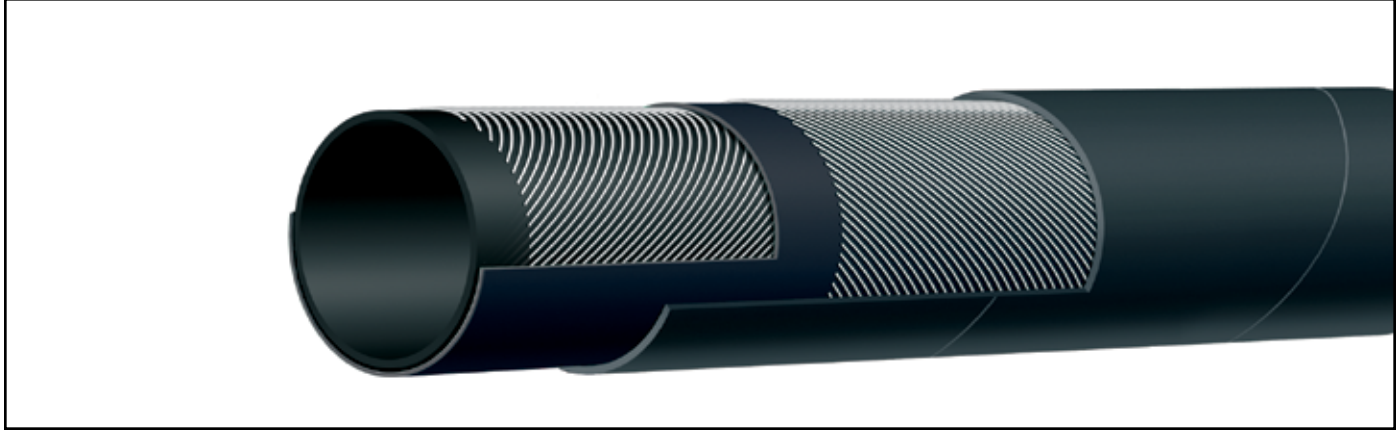
COUPLING SUGGESTIONS

Quick-Acting and combination nipples, preferably stainless steel, attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T760AA - 75 PSI Light Weight Dry Powder Delivery Hose



APPLICATION

Discharge of dry powders under low pressure, such as dry cement, grains and animal feed transfer.

COVER

Black conductive SBR/NR blend – abrasion and ozone resistant.

REINFORCEMENT

Spiralled high tensile textile cords.

TUBE

3/16" thick black static conducting natural rubber, compounded to resist cutting by abrasive materials.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure – 5 Bar (75 PSI)

BRANDING

ALFAGOMMA – ITALY T760 5 BAR (75 PSI)
BULK MATERIAL DELIVERY (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T760AA400	4	102	4.53	115	160
T760AA450	4 1/2	115	5.00	127	185

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS

Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T763AA - 75 PSI Heavy Weight Dry Powder Delivery Hose



APPLICATION

Discharge of dry powders under low pressure. Pneumatic transfer of dry materials and abrasive slurries.

COVER

Black conductive SBR/NR blend – abrasion and ozone resistant.

REINFORCEMENT

Spiralled high tensile textile cords.

TUBE

1/4" thick black static conducting natural rubber, compounded to resist cutting by abrasive materials.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet

WORKING PRESSURE

Constant Pressure – 5 Bar (75 PSI)

BRANDING

ALFAGOMMA – ITALY T763 5 BAR (75 PSI)
BULK MATERIAL DELIVERY (in green letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.
	(in.)	(mm)	(in.)	(mm)	
T763AA400	4	102	4.72	120	214
T763AA450	4 1/2	115	5.24	133	230
T763AA500	5	127	5.71	145	263

★ Excessive bending during operation may cause premature wear.

COUPLING SUGGESTIONS

Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

Water Transfer Hose Products



Kuriyama offers a wide range of quality water discharge and suction/discharge hoses which are ideal for transferring water to and from drilling sites. Included are:

Water Discharge Hoses:

Vinylflow® PVC water discharge hose
Ironsides® heavy duty PVC discharge hose
Gatorflow™ PVC/Nitrile rubber discharge hose
Gatorflow™ Terrain™ PVC/Nitrile rubber discharge hose
Gatorflow™ - Yellow PVC/Nitrile rubber discharge hose

Suction & Discharge Hoses:

H™/J™/K™ Series PVC suction hoses
BW™ Series low temperature suction hose
WST™ Series fabric reinforced suction/discharge hose
NDH™ Series fabric reinforced nitrile rubber suction hose
TG™ Series EPDM suction hose
TY™ Series EPDM suction hose
TRED™ Series EPDM suction hose
TBLU™ Series EPDM suction hose
T202AA EPDM suction and discharge hose
T452LE 150 PSI potable water hose

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

Premium PVC Drip Irrigation & Water Discharge Hose

Applications:

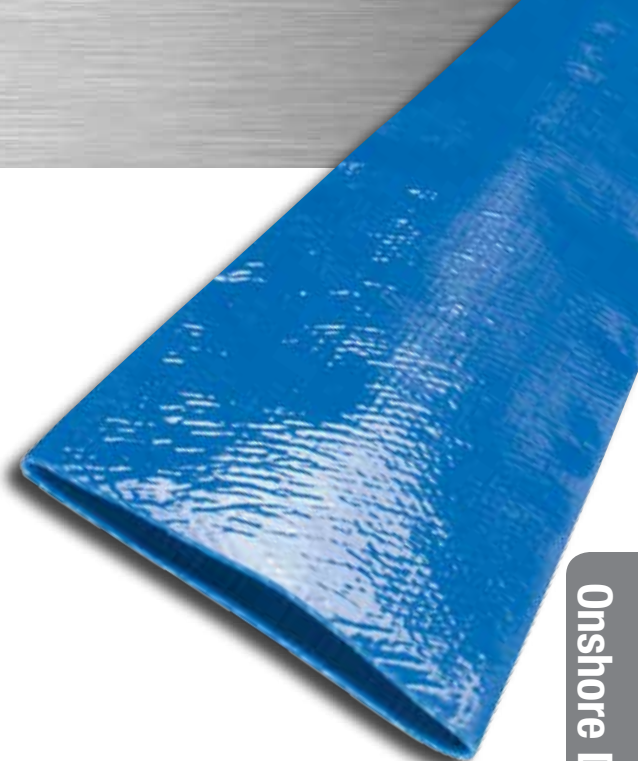
- Drip irrigation • Construction • Industrial • Agricultural

Construction:

- Features a balanced polyester yarn spiral wrap, longitudinal strength member and homogeneous PVC tube and cover to prevent separation.

Features & Benefits:

- Smooth tube - Provides low friction loss.
- Drip irrigation - Hose lays straight with minimal elongation under pressure. Hose may be punched easily without tearing.
- Ultraviolet inhibitors - Reduces aging and weather checking.
- Storage - All coils have PVC cores for easier dispensing. Hoses coil flat for easy storage.



Onshore Drilling – Water Discharge Hoses

For friction loss/elongation information please refer to page 15 of the Kuriyama Layflat Products catalog.

Service Temperature: -5° F (-20° C) to 170° F (+76° C)

Nominal Specifications

SERIES NO.	SIZE		HOSE ID		APPROXIMATE WALL THICKNESS	WORKING PRESSURE	COIL LENGTH	APPROX. WEIGHT
	(In.)	(mm)	(In.)	(mm)	(In.)	(PSI)	(ft.)	(lbs./coil)
VF150	1 1/2	38.1	1.614	41.0	0.0669	80	300	48.0
VF200	2	50.8	2.090	53.1	0.0669	80	300	69.0
VF250	2 1/2	63.5	2.598	66.0	0.0787	80	300	87.0
VF300	3	76.2	3.130	79.5	0.0787	70	300	117.0
VF400	4	101.6	4.134	105.0	0.0827	70	300	156.0
VF500	5	127.0	5.039	128.0	0.0866	40	300	204.0
VF600	6	153.4	6.181	157.0	0.0866	50	300	258.0
VF800	8	204.7	8.169	207.5	0.1063	45	300/100	390/130
VF1000	10	253.0	10.118	257.0	0.1181	35	100	181.0
VF1200	12	304.8	12.126	308.0	0.1181	30	100	195.0
VF1400	14	355.6	14.134	359.0	0.1181	30	100	262.0
VF1600	16	406.4	16.142	410.0	0.1181	30	100	310.0

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

Heavy Duty PVC Water Discharge Hose

Applications:

- Agricultural • Quarry • Mining • Irrigation • Construction
- Portable Hydrant • Relay Supply Line • Industrial

Construction:

- Premium quality PVC tube and cover, reinforced with two spiral plies and longitudinal synthetic cords.

Features & Benefits:

- MSHA-accepted - Use as a water hose in underground mining applications
- Premium quality tube and cover - Designed for heavy duty applications. This hose has a high working pressure and is ozone resistant.
- Two spiral plies and longitudinal synthetic cords - Provides higher working pressure and resists kinking and twisting.
- Storage - All coils have PVC cores for easier dispensing. Hoses coil flat for easy storage.

**MSHA
ACCEPTED**
MSHA IC-218/2

For friction loss/elongation information please refer to page 15 of the Kuriyama Layflat Products catalog.

Service Temperature: -5° F (-20° C) to 170° F (+76° C)

Nominal Specifications

SERIES NO.	SIZE (In.)	SIZE (mm)	HOSE ID (In.)	HOSE ID (mm)	APPROXIMATE WALL THICKNESS (In.)	WORKING PRESSURE (PSI)	COIL LENGTH (ft.)	APPROX. WEIGHT (lbs./coil)
IS150	1 1/2	38.1	1.61	40.9	0.0866	150	300	69.0
IS200	2	50.8	2.09	53.1	0.0906	150	300	96.0
IS250	2 1/2	63.5	2.58	65.5	0.0945	150	300	123.0
IS300	3	76.2	3.09	78.5	0.0984	150	300	156.0
IS400	4	101.6	4.10	104.1	0.1102	125	300	228.0
IS600	6	153.4	6.16	156.5	0.1181	115	300	363.0
IS800	8	204.7	8.15	207.0	0.1220	70	300/100	486/162
NEW SIZE IS1000	10	254.0	10.12	257.0	0.1300	65	100	195.0

Note: Not intended for use as a fire hose.

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

PVC / Nitrile Rubber Discharge Hose

Applications:

- Irrigation • Agriculture • Watering • Dewatering • Drainage
- Pump discharge • Flotation booms • Cable covering
- Industrial washdown • Limited oil and chemical applications

Construction:

- Black PVC/Nitrile rubber tube and cover; polyester reinforcement provides working pressures equal to or higher than most PVC or rubber discharge hoses.

Features & Benefits:

- Unique woven construction - Resists kinking, stretching and twisting.
- Ribbed cover - Provides high resistance to oil, weathering and abrasion.
- Handling - Lighter, less bulky, stores in less space than most rubber discharge hoses.



Onshore Drilling – Water Discharge Hoses

Service Temperature: -20° F (-29° C) to 176° F (+80° C)

Nominal Specifications

SERIES NO.	SIZE (In.)	SIZE (mm)	HOSE ID (In.)	HOSE ID (mm)	APPROXIMATE WALL THICKNESS (In.)	WORKING PRESSURE (PSI)	COIL LENGTH (ft.)	APPROX. WEIGHT (lbs./coil)
GF150	1 1/2	38.1	1.56	39.6	0.08	200	200	42.0
GF200	2	50.8	2.08	52.8	0.08	200	200	60.0
GF250	2 1/2	63.5	2.59	65.8	0.08	175	200	82.0
GF300	3	76.2	3.08	78.2	0.10	175	200	91.0
GF400	4	101.6	4.08	103.6	0.10	150	200/50	132/33
GF500	5	127.0	5.05	128.3	0.12	150	200	196.5
GF600	6	153.4	6.10	155.0	0.12	150	200/100/50	232/116/58
GF800	8	204.7	8.10	205.7	0.12	150	100/50	198/99
GF1000	10	254.0	10.00	254.0	0.14	115	100/50	252/126
GF1200	12	304.8	12.09	307.0	0.14	115	100/50	336/168

New 10" & 12" sizes

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

Gatorflow™ - Terrain™



**NEW
PRODUCT**

PVC / Nitrile Rubber Discharge Hose

Applications:

- Liquid Manure, Sludge & Slurry Transfer
- Frack Solution & Fresh Water Transfer
- Irrigation • Agriculture • Watering • Dewatering
- Contaminated Liquids, Fertilizers, Oils, Hydrocarbons
- Mining • Limited Chemical Applications

Construction:

- Black PVC/Nitrile rubber tube and cover; polyester reinforcement provides working pressures equal to or higher than most PVC or rubber hoses.

Features & Benefits:

- Unique woven construction - Resists kinking, stretching and twisting.
- Ribbed cover - Provides high resistance to oil, weathering and abrasion.
- Lengths – Manufactured in special longer lengths (660 Ft) to reduce leak points

Service Temperature: 20° F (-29° C) to 176° F (+80° C)

Nominal Specifications

SERIES NO.	SIZE (In.) (mm)	HOSE ID (In.) (mm)	APPROXIMATE WALL THICKNESS (In.)	WORKING PRESSURE (PSI)	COIL LENGTH (ft.)	APPROX. WEIGHT (lbs./coil)
GFTR800	8 203.2	8.15 207	0.18	175	660	1551
GFTR1000	10 254.0	10.00 254	0.16	175	660	1775

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

Gatorflow™ - Yellow

PVC / Nitrile Rubber Air & Discharge Hose

Applications:

- Air compressors • High pressure liquid pumping
- Bulk powder discharge (excluding cement)
- Irrigation • Agriculture • Watering • Dewatering
- Drainage • Flotation booms • Cable covering
- Industrial wash down • Limited oil and chemical applications

Construction:

- Yellow PVC/Nitrile rubber tube and cover; polyester reinforcement provides working pressures equal to or higher than most PVC or rubber hoses.

Features & Benefits:

- Unique woven construction - Resists kinking, stretching and twisting.
- Ribbed cover - Provides high resistance to oil, weathering and abrasion.
- Handling - Lighter, less bulky, stores better in less space than most rubber discharge hoses.

NEW ID SIZES!
1 1/2" - 6"

Service Temperature: -20° F (-29° C) to 176° F (+80° C)

Nominal Specifications

SERIES NO.	SIZE (In.) (mm)	HOSE ID (In.) (mm)	APPROXIMATE WALL THICKNESS (In.)	WORKING PRESSURE (PSI)	COIL LENGTH (ft.)	APPROX. WEIGHT (lbs./coil)
GFY075	3/4 19.1	0.82 21.0	0.13	400	200/50	20.0/5.0
GFY100	1 25.4	1.02 26.0	0.14	400	200/50	28.0/7.0
GFY150	1 1/2 38.1	1.56 39.6	0.14	300	200	60.0
GFY200	2 50.8	2.08 52.8	0.14	200	200	85.0
GFY300	3 76.2	3.08 78.2	0.14	200	200	123.0
GFY400	4 101.6	4.08 103.6	0.14	200	200	173.0
GFY600	6 152.4	6.10 154.9	0.18	200	100	164.0

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



H™/J™/K™ Series

Standard Duty PVC Suction Hose

General Applications:

- Agricultural liquid fertilizer
- Air seeder lines
- Drain lines
- Irrigation lines
- Mining applications (MSHA)
- Pumps, rental and construction dewatering
- Pumps, trash
- Rock dusting
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

H

J

K



Features and Advantages:

- **Transparent Construction (H & K Series only)** – “See-the-flow.” Allows for visual confirmation of material flow.
- **MSHA⁽⁰⁹⁾ Approved (J Series only)** – Approved by the Mine Safety and Health Administration for flame-resistance for use in underground mines as water transfer hose.
- **Smooth Outer Cover (Sizes 3/4” – 5”)** – Provides increased pressure rating and smooth surface for banding.
- **Convuluted Outer Cover (Sizes 6” & 8”)** – Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi)		Vacuum Rating (in. Hg)		Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
					68°F	104°F	68°F	104°F			
H/J/K075	3/4	19.0	1.01	25.6	110	70	28	26	3	100	0.19
H/J/K100	1	25.4	1.26	32.0	85	60	28	26	3	100	0.26
H/J/K125	1 1/4	31.7	1.56	39.6	85	60	28	24	4	100	0.35
H/J/K150	1 1/2	38.1	1.83	46.5	70	50	28	24	5	100	0.48
H/J/K200	2	50.8	2.32	59.0	65	45	28	24	7	100	0.66
H/J/K250	2 1/2	63.5	2.87	73.0	65	45	28	24	8	100	0.87
H/J/K300	3	76.2	3.43	87.0	60	40	28	22	10	100	1.24
H/J/K400	4	101.6	4.50	114.7	50	35	28	22	15	100	1.85
H500	5	127.0	5.58	141.3	45	30	28	24	22	100/20	2.42
H/J/K600	6	152.4	6.75	171.4	40	25	28	20	30	100/20	3.39
H/J/K800	8	203.2	8.86	225.0	30	20	26	20	35	20	5.63

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

*Actual service temperature range is application dependent.

MSHA⁽⁰⁹⁾, RoHS⁽¹⁰⁾

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



"COLD-FLEX"
MATERIALS



TRANSPARENT
CONSTRUCTION



WATER



"Blue Water" BW™ Series

Low Temperature PVC Suction Hose

General Applications:

- Extreme cold conditions
- Pumps, rental and construction dewatering
- Pumps, trash
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials** – Hose remains flexible in sub-zero temperatures. Beware of imitations! Blue Water™ truly remains flexible in extreme cold.
- **Transparent Construction** – "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover (Sizes 1" - 4")** – Provides increased pressure rating and smooth surface for banding.
- **Convuluted Outer Cover (Sizes 5" & 6")** – Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi)		Vacuum Rating (in. Hg)		Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
					68°F	104°F	68°F	104°F			
BW075	3/4	19.1	1.01	25.6	115	75	Full	28	3	100	0.19
BW100	1	25.4	1.26	32.0	90	65	Full	28	3	100	0.22
BW125	1 1/4	31.8	1.56	39.6	90	65	Full	26	4	100	0.36
BW150	1 1/2	38.1	1.79	45.5	90	65	Full	26	5	100	0.48
BW200	2	50.8	2.35	59.8	90	65	Full	26	7	100	0.62
BW250	2 1/2	63.5	2.87	73.0	70	48	Full	26	8	100	0.87
BW300	3	76.2	3.43	87.0	65	45	Full	26	10	100	1.23
BW400	4	101.6	4.49	114.0	55	40	Full	26	15	100	1.83
BW500	5	127.0	5.57	141.5	45	30	28	24	25	100/20	2.42
BW600	6	152.4	6.69	170.0	40	25	28	22	30	100/20	3.36

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

NOTE: Refer to Storage and Handling, and Max Coil Stack Height on page 65.

*Actual service temperature range is application dependent.

RoHS⁽¹⁰⁾

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

WST™ Series

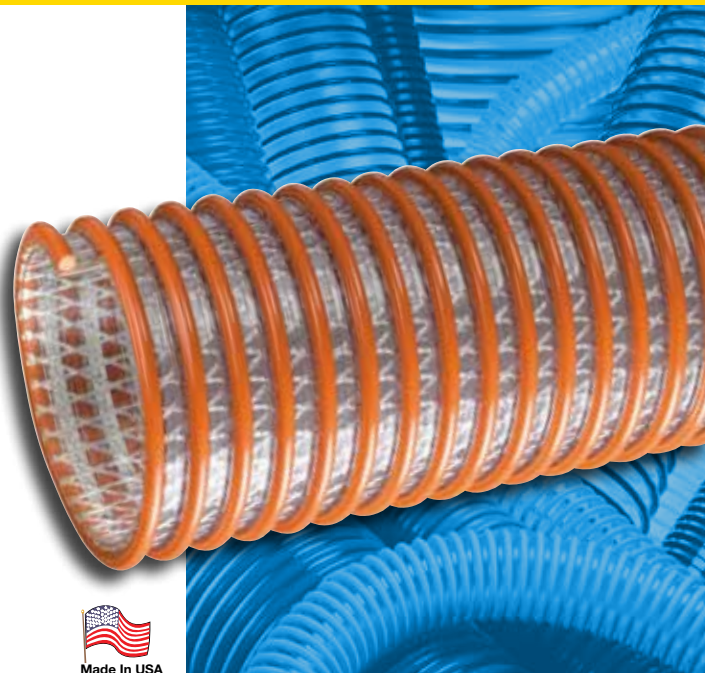
Heavy Duty PVC Fabric Reinforced Suction & Discharge Hose

General Applications:

- Fish suction
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply PVC tube, polyester fabric reinforcement and rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*



Features and Advantages:

- **Fabric Reinforcement** – Designed with high tensile strength polyester yarn jacket to handle both suction and higher pressure discharge applications.
- **Transparent Construction** – “See-the-flow.” Allows for visual confirmation of material flow.
- **Easy Slide Helix** – Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi)		Vacuum Rating (in. Hg)		Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
					68°F	104°F	68°F	104°F			
WST150	1-1/2	38.1	1.95	49.5	100	65	Full	28	2.5	100	0.42
WST200	2	50.8	2.60	66.0	100	65	Full	28	4.0	100	0.74
WST300	3	76.2	3.62	92.0	70	35	Full	28	6.0	100/20	1.13
WST400	4	101.6	4.76	121.0	65	32	Full	28	8.0	100/20	1.74
WST500	5	127.0	5.98	151.9	50	25	28	25	11.0	100/20	2.95
WST600	6	152.4	7.17	182.1	50	25	28	25	13.0	100/20	3.88
WST800	8	203.5	9.21	234.0	40	25	26	20	18.0	25/20	5.57

New 1 1/2" & 2" sizes

New 25' Length

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
 *Actual service temperature range is application dependent.

RoHS⁽¹⁰⁾

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



Tigerdrop™ NDH Drop Hose Series NDH

**Black, opaque static
dissipating tube**

General Applications:

- Tank truck gravity drop fuel transfer
- Used frack solution removal

Construction: Specially blended nitrile (NBR) rubber tube with rigid PVC helix and embedded grounding wire.

Service Temperature: -10°F (-23.3°C) to 150°F (+65.5°C)*

Features and Advantages:

- **Specialty Rubber Compounds** – Designed to handle gasoline, diesel, ethanol** and biodiesel.**
- **Durable Construction** – Designed with high tensile strength polyester yarn fabric reinforcement.
- **Easy to Handle** – Lighter weight and greater flexibility than conventional rubber drop hoses.‡
- **Grounding Wire** – Durable multi-strand copper wire dissipates static electricity. Physically extract wire from the

rigid helix and bond to the metal coupling (or by other means) to ground.†

- **Static Dissipating Tube** – Specially formulated to help prevent the build-up of static electricity for added safety.
- **Easy Slide Helix** – Rigid clockwise helix design protects hose tube from cover wear; allows hose to slide easily over rough surfaces.

Nominal Specifications

Series	ID (in.)	OD [^] (in.)	Working Pressure (psi @ 68° F)	Min. Bending Radius (in. @ 68° F)	Standard Lengths (ft.)	Weight (lbs/ft.)
NDH202	2.02	2.60	75	5	100/20	0.80
NDH303	3.03	3.69	60	6	100/20	1.24
NDH404	4.04	4.78	50	8	100/57/20	2.00

* Actual service temperature range is application-dependent.

** Meeting ASTM D5798, D4806 or D6751 criteria.

[^] OD measured over helix.

† Refer to Hose Assembly Coupling Installation Suggestions and Technical Bulletin in this catalog.

‡ Based on Tigerflex force to bend test data @ 68°F.

NOTE: Service life may vary depending on operating conditions and type of fuels being conveyed.

Onshore Drilling – Water Suction & Transfer Hoses

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

Tiger™ Green TG™ Series EPDM Suction Hose

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*



Features and Advantages:

- **Superior Rubber Compounds** – Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility** – Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix** – Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convuluted Outer Cover** – Provides increased hose flexibility.
- **“Cold-Flex” Materials** – Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi)		Vacuum Rating (in. Hg)		Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
					68°F	104°F	68°F	104°F			
TG100	1	25.4	1.40	35.5	65	45	FULL	28	2.0	100	0.28
TG125	1¼	31.8	1.63	41.4	60	40	FULL	28	3.0	100	0.33
TG150	1½	38.1	1.93	49.0	50	35	FULL	28	3.0	100	0.44
TG200	2	50.8	2.51	63.8	50	35	FULL	28	5.0	100	0.67
TG250	2½	63.5	3.07	78.0	45	30	FULL	28	5.5	100	0.95
TG300	3	76.2	3.60	91.5	45	30	FULL	26	7.0	100	1.14
TG400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84
TG600	6	152.4	6.85	174.0	30	20	28	24	20.0	100/20	3.07

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

NOTE: Other colors available upon request. Minimum order quantity may apply. Contact Kuriyama Tigerflex department for details.

*Actual service temperature range is application dependent.

RoHS⁽¹⁰⁾

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



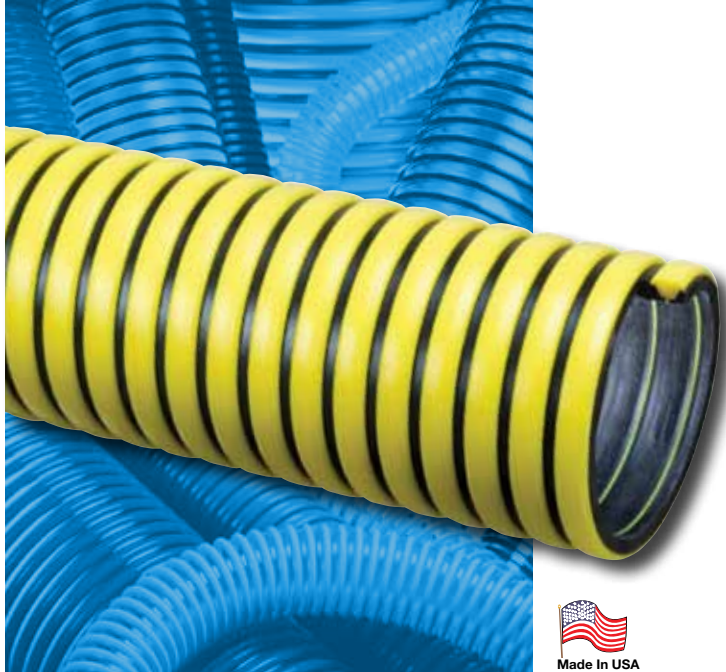
"COLD-FLEX"
MATERIALS



EASY SLIDE



WATER



Tiger™ Yellow TY™ Series EPDM Suction Hose

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds** – Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility** – Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix** – Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convuluted Outer Cover** – Provides increased hose flexibility.
- **"Cold-Flex" Materials** – Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi)		Vacuum Rating (in. Hg)		Approx. Bending Radius (@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
					68°F	104°F	68°F	104°F			
TY100	1	25.4	1.40	35.5	65	45	FULL	28	2.0	100	0.28
TY125	1¼	31.8	1.63	41.4	60	40	FULL	28	3.0	100	0.33
TY150	1½	38.1	1.93	49.0	50	35	FULL	28	3.0	100	0.44
TY200	2	50.8	2.51	63.8	50	35	FULL	28	5.0	100	0.67
TY300	3	76.2	3.60	91.5	45	30	FULL	26	7.0	100	1.14
TY400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

*Actual service temperature range is application dependent.

RoHS⁽¹⁰⁾

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

Onshore Drilling – Water Suction & Transfer Hoses

Tiger™ Red TRED™ Series

Tiger™ Blue TBLU™ Series

EPDM Suction Hoses

TRED

TBLU



**NEW
COLORS!**



General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Benefits:

- **Superior Rubber Compounds** – Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility** – Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix** – Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convuluted Outer Cover** – Provides increased hose flexibility.
- **“Cold-Flex” Materials** – Hose remains flexible in sub-zero temperatures.

Choose from colors red or blue to match company equipment.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi)		Vacuum Rating (in. Hg)		Approx. Bending Radius (@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
					68°F	104°F	68°F	104°F			
TRED/TBLU200	2	50.8	2.51	63.8	50	35	FULL	28	5.0	100	0.67
TRED/TBLU300	3	76.2	3.60	91.5	45	30	FULL	26	7.0	100	1.14
TRED/TBLU400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

*Actual service temperature range is application dependent.

RoHS(10)

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

T202AA - 150 PSI EPDM General Purpose Water S&D Hose



FOR APPLICATIONS INVOLVING INDUSTRIAL ACID CHEMICALS AND ALCOHOLS, PLEASE REFER TO T5050G AND T5090E CHEMICAL HOSES

APPLICATION

Suction and delivery of non-corrosive liquids for irrigation, construction, fertilizers and lasso acid solutions.

COVER

Black weather and ozone-resistant EPDM rubber.

REINFORCEMENT

Spiralled high tensile textile cords and highly flexible steel helix wire/wires.

TUBE

Black EPDM rubber.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

100 feet: 1" through 6" 20, 50 feet: 5" 20 feet: 10" - 12"
20, 25, 50 feet: 6" 20, 25 feet: 8"

BRANDING

ALFAGOMMA – ITALY – T202 10 BAR (150 PSI) GENERAL PURPOSE EPDM (in green letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T202AA100	1	25	1.38	35	46	150	4
T202AA125	1 1/4	32	1.65	42	54	150	5
T202AA150	1 1/2	38	1.89	48	63	150	6
T202AA200	2	51	2.40	61	82	150	8
T202AA250	2 1/2	63	2.95	75	118	150	10
T202AA300	3	76	3.46	88	141	150	12
T202AA350	3 1/2	90	4.02	102	177	150	14
T202AA400	4	102	4.49	114	198	150	16
T202AA500	5	127	5.55	141	314	150	25
T202AA600	6	152	6.54	166	392	150	30
T202AA800	8	203	8.70	221	659	150	40
T202AA1000	10	254	10.71	272	903	150	50
T202AA1200	12	305	12.87	327	1254	150	61

COUPLING SUGGESTIONS

Quick-Acting, pin lug, short shank couplings or combination nipples attached with single bolt, double bolt, wire or band type clamps.

★ Kuriyama offers a full line of Quick-Acting couplings, pin lug shank couplings and combination nipples. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T452LE - 150 PSI Potable Water Hose



APPLICATION

Discharge of water used for drinking. Most often used for temporary water lines in construction and industrial applications.

COVER

Blue SBR/EPDM blend – abrasion and ozone resistant.

REINFORCEMENT

High tensile textile cords.

TUBE

White NR. Meets FDA requirements.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C).

STANDARD LENGTH

100 feet

BRANDING

ALFAGOMMA – ITALY T452 “POTABLE WATER HOSE” 150 PSI WP (in white letters)

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)
	(in.)	(mm)	(in.)	(mm)		
T452LE150	1 1/2	38	1.97	50	72	150
T452LE200	2	51	2.56	65	113	150
T452LE250	2 1/2	63	3.03	77	136	150
T452LE300	3	76	3.62	92	188	150
T452LE400	4	102	4.65	118	251	150

COUPLING SUGGESTIONS

Quick-Acting couplings attached with bands.

★ Kuriyama offers a full line of Quick-Acting couplings. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

Drilling Rigs & Related Equipment



Products for Drilling Rigs and Related Equipment Maintenance

Kuriyama provides high quality Alfagomma® industrial rubber hoses and hydraulic hose and fittings for your onshore/offshore drilling rig and equipment maintenance. A choice of crimping equipment systems ensures reliable hose assemblies. Included are:

Compressed Air:

T140AK and T142AK Series steel braided air hoses

Crimping Equipment:

KD2-50 Crimper System

KD4-600 Crimper System

KD4-1000 Crimper System

High Pressure Hydraulic Hoses :

Flexor 1SN/R1AT – TR1SN Series Hose

Flexor 2SN/R2AT – TR2SN Series Hose

Flexor 12 – TR12 Series Hose

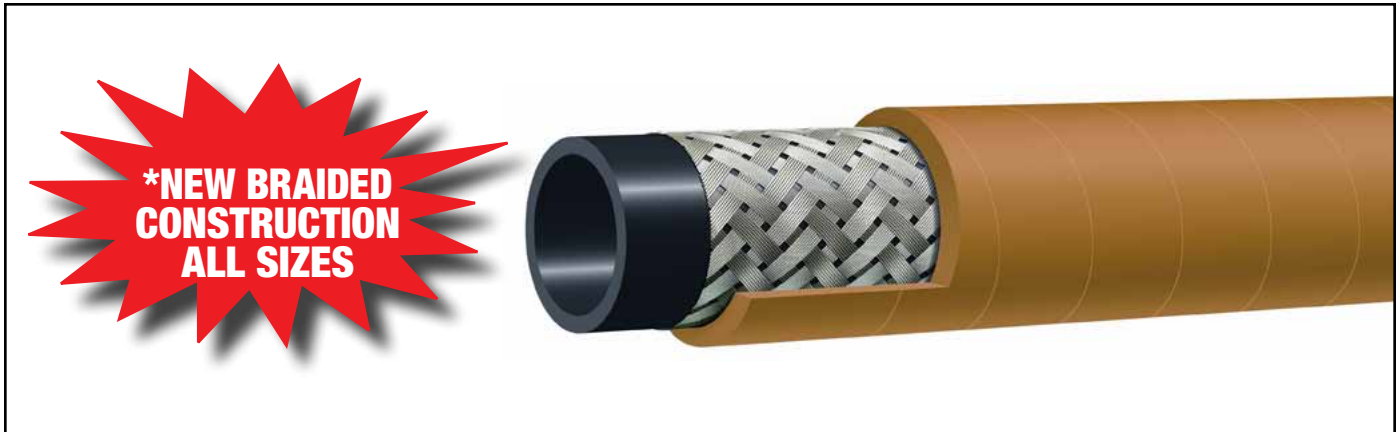
Flexor 13 – TR13 Series Hose

Alfatech 6000 – AT6K Series Hose

Flexor 4SH – T4SH Series Hose

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

T140AK - Braided Steel Wire Air Hose



APPLICATION

High pressure air hose for heavy-duty use in mines, quarries, construction and industry.

COVER

Yellow, SBR – abrasion and ozone resistant – pin pricked.

REINFORCEMENT

High tensile steel cords - braided.

TUBE

Black SBR/NBR – resistant to oil mist.

TEMPERATURE RANGE

-22°F (-30°C) to 176°F (+80°C)

STANDARD LENGTH

50 or 100 feet

BRANDING

ALFAGOMMA – ITALY – T140 STEEL AIR

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T140AK050	1/2	13	0.87	22	38	600	2 1/2
T140AK075	3/4	19	1.10	28	40	600	4
T140AK100	1	25	1.34	34	50	600	5
T140AK125	1 1/4	32	1.65	42	74	600	6 1/4
T140AK150	1 1/2	38	1.89	48	86	600	7 1/2
T140AK200	2	51	2.52	64	136	600	10
T140AK250	2 1/2	63	3.03	77	240	450	12 1/2
T140AK300	3	76	3.54	90	286	450	15
T140AK400	4	102	4.65	118	413	450	20

*T140AK - Braided Construction - Replacing T130AK Spiral in all Sizes - Fall 2012

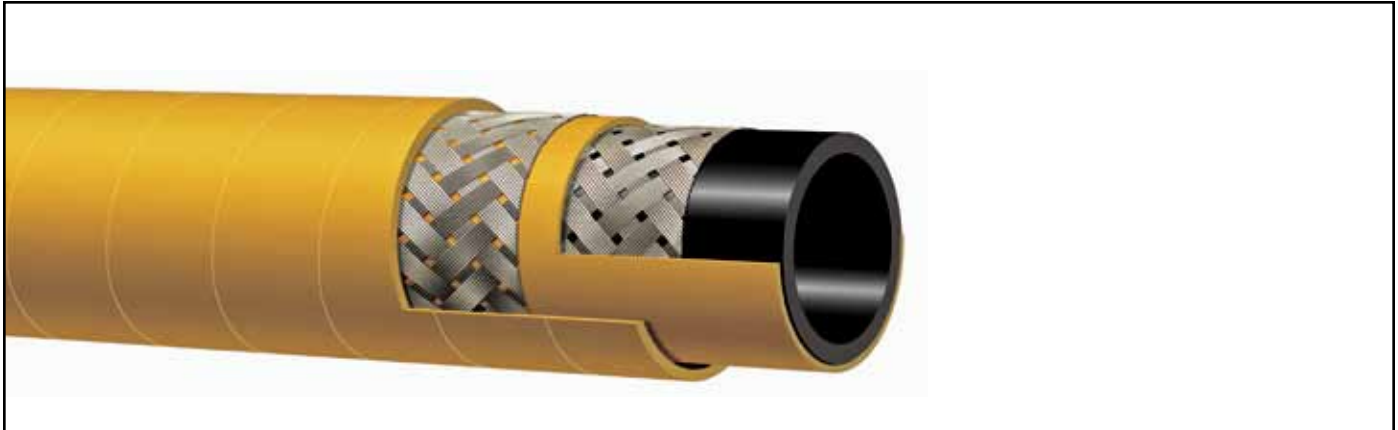
COUPLING SUGGESTIONS

Steel or malleable iron male insert NPT, female ground joint or washer type with spud, or universal quick-acting couplings attached with 2 or 4 bolt interlocking clamps or bands.

★ Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

T142AK - 600 PSI High Temperature - Oil Resistant Steel Braided Reinforced Air Hose



APPLICATION

High pressure air for mines and quarries. Designed for long lasting service and maximum safety in heavy duty applications where resistance to oil is required.

COVER

Yellow SBR/NBR – abrasion, ozone, hydrocarbon and flame resistant – pin pricked.

REINFORCEMENT

High tensile steel wire braids.

TUBE

Black NBR (RMA Class A) oil mist resistant.

TEMPERATURE RANGE

-40°F (-40°C) to 242°F (+120°C)

STANDARD LENGTHS

100 feet: 2" through 3"

50 feet: 2" and 3"

BRANDING

ALFAGOMMA – ITALY T142 HIGH TEMP STEEL AIR – OIL RESISTANT Embossed.

Nominal Specifications

SERIES NO.	NOMINAL ID		NOMINAL OD		APPROX. WT. lbs./100 ft.	MAX. REC. WP (PSI)	MIN. BEND RADIUS (in.)
	(in.)	(mm)	(in.)	(mm)			
T142AK200	2	51	2.52	64	152	600	10
T142AK250	2 1/2	63	3.11	79	192	600	12 1/2
T142AK300	3	76	3.62	92	237	600	15
T142AK400	4	102	4.72	120	324	450	20

**NEW
SIZE**

COUPLING SUGGESTIONS

Steel or malleable iron male insert NPT, female ground joint or washer type with spud, or universal quick-acting couplings attached with 2 or 4 bolt interlocking clamps or bands.

Kuriyama offers a full line of ground joint couplings and clamps and universal air hose couplings and clamps. Refer to current Kuriyama-Couplings™ and Accessories Catalog for type and pricing.

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

Flexor 1SN/R1AT Hydraulic Hose



Single wire braid hydraulic hose on easy-to-handle reels – TR1SN

TR1SN – Formerly T836AA/T835AA

Single wire braid

Meets or exceeds
SAE 100 R1AT - EN 853 1SN
MSHA IC-152/8 approved



Construction:

- Tube** – Seamless synthetic rubber, black... oil-resistant.
- Reinforcement** – High tensile steel wire braid.
- Cover** – Synthetic rubber, black... weather, oil, fuel, ozone and abrasion-resistant.
- Couplings** – Standard fittings and AlfaCrimp.
- Branding** – ALFAGOMMA FLEXOR 1SN ID ...WP ...MPa (...PSI) – SAE 100 R1AT – EN 853 1SN MSHA IC-152/8... Q/YR DN ...

Application:

Medium pressure service with high temperature petroleum-based hydraulic fluids, hot oil, grease, lubricants and crude oils, air and water. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.
MSHA IC-152/8 accepted cover on TR1SN hose style.

Temperature Range: -40°F (-40°C) to 212°F (100°C) constant operation.

Maximum operating temperature: 257°F (125°C). **Air maximum temperature:** 160°F (70°C).

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations		
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)	Skive Option (Two Piece)
TR1SN	03	3/16	4.8	0.46	11.8	3,630	3.5	90	11	N/A	H1200203-03	H1200203-03
TR1SN	04	1/4	6.4	0.52	13.4	3,270	4.0	100	15	C122XXXX-04	H1200AD1-04	H1100204-04
TR1SN	05	5/16	7.9	0.59	15.0	3,120	4.5	115	17	C122XXXX-05	H1200AD1-05	H1100204-05
TR1SN	06	3/8	9.5	0.68	17.4	2,610	5.0	130	22	C122XXXX-06	H1200AD1-06	H1100204-06
TR1SN	08	1/2	12.7	0.81	20.6	2,320	7.0	180	28	C122XXXX-08	H1200AD1-08	H1100204-08
TR1SN	10	5/8	15.9	0.93	23.7	1,890	8.0	200	34	C122/124XXXX-10	H1200AD1-10	H1100204-10
TR1SN	12	3/4	19.0	1.09	27.7	1,530	9.5	240	44	C122/124XXXX-12	H1200AD1-12	H1100204-12
TR1SN	16	1	25.4	1.40	35.6	1,280	12.0	300	70	C122/124XXXX-16	H1200AD1-16	H1100204-16
TR1SN	20	1 1/4	31.8	1.71	43.5	920	16.5	420	80	C124XXXX-20	H1200AD1-20	H1100104-20
TR1SN	24	1 1/2	38.1	1.99	50.6	730	20.0	500	108	C124XXXX-24	H1200AD1-24	H1100104-24
TR1SN	32	2	50.8	2.52	64.0	580	25.0	630	138	C124XXXX-32	H1200AD1-32	H1100104-32
TR1SN	40	2 1/2	63.5	3.11	79.0	720	30.0	760	194	Consult KOA	Consult KOA	
TR1SN	48	3	76.2	3.62	92.0	500	35.0	900	230	Consult KOA	Consult KOA	

† Minimum burst pressure 4-to-1 safety factor.

Note: 3/16" through 1" ID hoses supplied on reels.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Onshore/Offshore Drilling – High Pressure Hydraulic Hoses

Double wire braid hydraulic hose on easy-to-handle reels – TR2SN



TR2SN – Formerly T846AA

Double wire braid

Meets or exceeds SAE 100 R2AT - EN 853 2SN MSHA IC-152/8 approved

TR2SN – Formerly T841AA

Double wire braid

Meets or exceeds SAE 100 R2A

Construction:

Tube – Seamless synthetic rubber, black... oil-resistant.

Reinforcement – High tensile steel wire braid.

Cover – Synthetic rubber, black... weather, oil, fuel, ozone and abrasion-resistant.

Couplings – Standard fittings and AlfaCrimp.

Branding – ALFAGOMMA FLEXOR 2SN ID ...WP
...MPa (...PSI) – SAE 100R2AT - EN 853 2SN DN ...Q/YR

Application:

Medium pressure service with high temperature petroleum-based hydraulic fluids, hot oil, grease, lubricants and crude oils, air and water. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

MSHA IC-152/8 accepted cover on TR2SN hose style.

Temperature Range: -40°F (-40°C) to 212°F (100°C) constant operation.

Maximum operating temperature: 257°F (125°C). **Air maximum temperature:** 160°F (70°C).

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations		
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)	Skive Option (Two Piece)
TR2SN	03	3/16	4.8	0.52	13.4	6,000	3.5	90	19	N/A	H1200AD2-03	H1200203-03
TR2SN	04	1/4	6.4	0.59	15.0	5,800	4.0	100	24	C122XXXX-04	H1200AD2-04	H1100204-04
TR2SN	05	5/16	7.9	0.65	16.7	5,000	4.5	115	26	C122XXXX-05	H1200AD2-05	H1100204-05
TR2SN	06	3/8	9.5	0.75	19.1	4,800	5.0	125	34	C122XXXX-06	H1200AD2-06	H1100204-06
TR2SN	08	1/2	12.7	0.87	22.2	4,000	7.0	175	42	C122XXXX-08	H1200AD2-08	H1100204-08
TR2SN	10	5/8	15.9	1.00	25.4	3,630	8.0	200	51	C122/124XXXX-10	H1200AD2-10	H1100204-10
TR2SN	12	3/4	19.0	1.15	29.3	3,120	9.5	240	65	C122/124XXXX-12	H1200AD2-12	H1100204-12
TR2SN	16	1	25.4	1.50	38.1	2,400	12.0	300	102	C122/124XXXX-16	H1200AD2-16	H1100204-16
TR2SN	20	1 1/4	31.8	1.90	48.3	1,820	16.5	420	126	C124XXXX-20	H1200AD2-20	H1100204-20
TR2SN	24	1 1/2	38.1	2.15	54.6	1,310	20.0	500	145	C124XXXX-24	H1200AD2-24	H1100204-24
TR2SN	32	2	50.8	2.65	67.4	1,160	25.0	630	199	C124XXXX-32	H1200AD2-32	H1100204-32
TR2SN	40	2 1/2	63.5	3.27	83.0	1,000	30.0	760	266	Consult KOA	Consult KOA	
TR2SN	48	3	76.2	3.78	96.0	800	35.0	900	332	Consult KOA	Consult KOA	

† Minimum burst pressure 4-to-1 safety factor.

Note: 3/16" through 1" ID hoses supplied on reels.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Four layer wire spiral reinforced hydraulic hose – TR12



TR12 – Formerly T898AB

Four wire spiral

Meets or exceeds SAE 100 R12 - EN 856 R12

Meets flame resistance acceptance designation US MSHA IC-152/2

Construction:

Tube – Synthetic rubber, black... oil-resistant.

Reinforcement – Four layers of spirally wrapped high tensile steel wire, separated by synthetic rubber over a fabric layer.

Cover – Synthetic rubber, grey non-marking... weather, oil, fuel, ozone and abrasion-resistant.

Couplings – Crimp-on permanent type. Non-skive up to Size 20.

Branding – ALFAGOMMA FLEXOR 12 ID ...WP ... MPa (...PSI)
– SAE 100R12 – EN 856 R12 DN ...MSHA IC-152/2 - Q/YR

Application:

Very high pressure service with tight bends with petroleum-based hydraulic fluids. Extraordinary flexibility, excellent bend radii properties, and exceptional impulse life, with over 1,000,000 impulse cycles at 250°F (121° C) and 133% of rated working pressure (at SAE 100 R12 conditions) when tested with appropriate ALFAGOMMA-interlock couplings.

MSHA accepted cover available on request.

Temperature Range: -40°F (-40°C) to 250°F (121°C) constant operation.

Maximum operating temperature: 257°F (125°C).

Note: Operating temperatures in excess of 257°F (125°C) may materially reduce the life of the hose.

Nominal Specifications

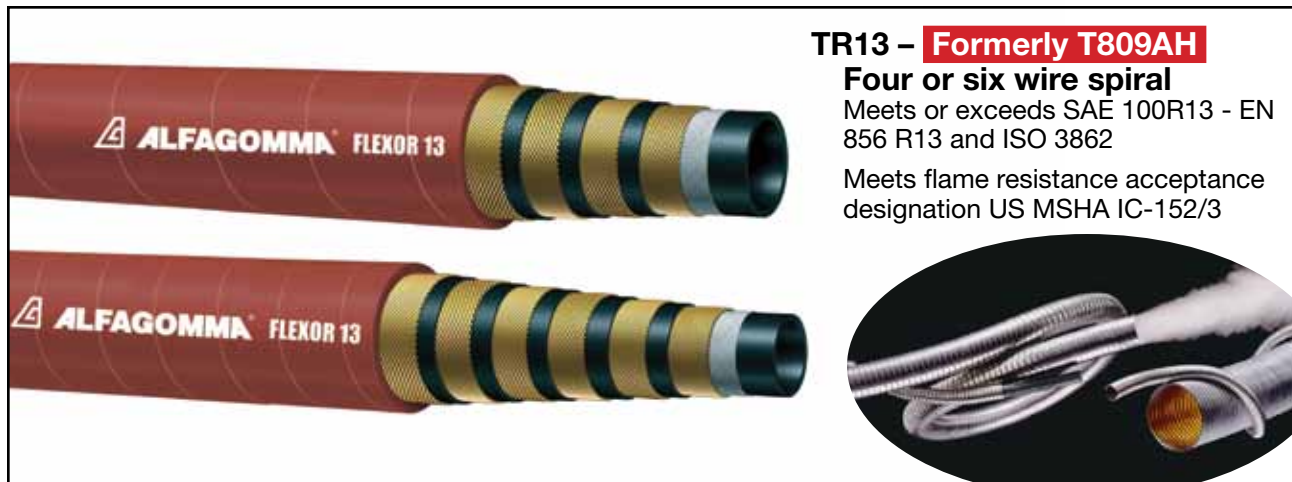
New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working Pressure [†] (psi)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations	
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)
TR12	06	3/8	9.5	0.80	20.3	4,000	5.0	127	44	C124XXXX-06	H1200204-06
TR12	08	1/2	12.7	0.94	23.8	4,000	7.0	178	55	C124XXXX-08	H1200204-08
TR12	10	5/8	16.0	1.08	27.4	4,000	8.1	203	72	C124XXXX-10	H1200204-10
TR12	12	3/4	19.0	1.21	30.7	4,000	9.5	241	82	C124XXXX-12	H1200204-12
TR12	16	1	25.4	1.50	38.0	4,000	12.0	305	128	C124XXXX-16	H1200204-16
TR12	20	1 1/4	31.8	1.85	47.0	3,000	16.5	419	176	C124XXXX-20	H1200204-20
TR12	24	1 1/2	38.1	2.10	53.5	2,500	20.0	508	218	C124XXXX-24	H1100204-24
TR12	32	2	50.8	2.62	66.7	2,500	25.0	635	285	C124XXXX-32	H1100204-32

[†] Minimum burst pressure 4-to-1 safety factor.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Four or six layer wire spiral reinforced hydraulic hose – TR13



TR13 – Formerly T809AH

Four or six wire spiral

Meets or exceeds SAE 100R13 - EN 856 R13 and ISO 3862

Meets flame resistance acceptance designation US MSHA IC-152/3



Construction:

Tube – Synthetic rubber, black... oil-resistant.

Reinforcement – Four or six layers of spirally wrapped, high tensile steel wire reinforcement, separated by synthetic rubber over a fabric layer.

Cover – Synthetic rubber, red... oil, fuel, weather, ozone and abrasion-resistant.

Couplings – Interlock crimp-on permanent type or C126 series non-skive. Note: For Interlock style, hose cover and portion of tube needs to be removed before attaching couplings.

Branding – ALFAGOMMA FLEXOR 13 ID ...WP 35 MPa (5000 PSI) – SAE 100R13 – EN 856 R13 DN ...MSHA IC-152/3 – Q/YR

BOP (Blow Out Preventer):

HT4000 Series Interlocked Metal Hose

- Provides a protective jacket for high pressure hydraulic hoses used in BOP applications.
- Protective armor/shielding for hoses.

Application:

Extremely high pressure service with petroleum based hydraulic fluids. Extraordinary flexibility, bend radius properties and exceptional impulse life over 1,000,000 impulse cycles at 250°F (121°C) and at 120% of rated working pressure when tested with ALFAGOMMA Interlock coupling.

MSHA accepted cover available on request.

Temperature Range: -40°F (-40°C) to 250°F (120°C) constant operation.

Maximum operating temperature: 257°F (125°C). **Air maximum temperature:** 175°F (80°C).

Note: Operating temperatures in excess of 250°F (121°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations	
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)
TR13	12	3/4	19.0	1.26	32.1	5,000	9.5	240	113	C126XXXX-12	H1400200-12
TR13	16	1	25.4	1.52	38.7	5,000	12.0	305	135	C126XXXX-16	H1400200-16
TR13	20	1¼	31.8	1.96	49.8	5,000	16.5	420	241	C12RXXXX-20	H1400301-20
TR13	24	1½	38.1	2.26	57.3	5,000	20.0	510	321	C126XXXX-24	H1400301-24
TR13	32	2	50.8	2.79	70.9	5,000	25.0	635	444	Consult KOA	H1400301-32

† Minimum burst pressure 4-to-1 safety factor.

‡ Special ferrule for KD200. Call Kuriyama for details.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

H1400300-32*
For use with
KD-200

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

Four and six wire spiral reinforced hydraulic hose – AT6K

AT6K – Formerly AT897AA Four and six wire spiral

All Alfatech 6000 hydraulic hose meets or exceeds the working and burst pressure requirements of SAE 100 R15 – Meets flame resistance acceptance designation US MSHA IC-152/8.



Construction:

Tube – Synthetic rubber, black... oil-resistant.

Reinforcement – Four or six layers of spirally wrapped high tensile steel wire reinforcement separated by synthetic rubber cushion on a fabric layer.

Cover – Synthetic rubber, black... oil, fuel, weather, ozone and abrasion-resistant.

Couplings – Interlock crimp-on permanent type. Note: For Interlock style, hose cover and portion of tube needs to be removed before attaching couplings.

Branding – ALFAGOMMA ALFATECH 6000 ID...WP 42 MPa BP 168 MPa MSHA IC 152/8 Q/YR

Application:

Extremely high pressure high impulse service with petroleum based hydraulic fluids such as hydrostatic transmissions. Developed to withstand punishing conditions and to meet increasing pressure pulsing, flexing and temperature demands not currently covered by International specifications.

MSHA accepted cover available on request.

Features extraordinary flexibility, excellent bend radii properties, superior performance under flex-impulse conditions, and exceptional long life. Tested over 1,000,000 impulse cycles at 120% of rated working pressure at 250°F (121°C).

Temperature Range: -40°F (-40°C) to 250°F (121°C) constant operation.

Maximum operating temperature: 250°F (121°C). **Air maximum temperature:** 175°F (80°C).

Note: Operating temperatures in excess of 250°F (121°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations	
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)
AT6K①	10	5/8	15.9	1.14	28.6	6,000	10.0	250	88	N/A	H1400200-10
AT6K①	12	3/4	19.0	1.27	32.2	6,000	10.5	267	108	N/A	H1400200-12
AT6K①	16	1	25.4	1.52	38.7	6,000	11.0	280	135	N/A	H1400200-16
AT6K	20	1¼	31.8	1.96	49.8	6,000	11.0	280	237	N/A	H1400301-20
AT6K	24	1½	38.1	2.26	57.3	6,000	12.5	315	329	N/A	H1400301-24
NEW AT6K	32	2	51.0	2.83	72.0	6,000	24.0	600	474	N/A	H1T00600-32

① Four wire spiral reinforced. All others are six wire spiral reinforced.

† Minimum burst pressure 4-to-1 safety factor.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

Four layer wire spiral reinforced hydraulic hose – T4SH



T4SH – Formerly T855AA

Four wire spiral

Meets or exceeds EN 856 4SH and ISO 3862

Meets flame resistance acceptance designation US MSHA IC-152/8

Construction:

Tube – Synthetic rubber, black... oil-resistant.

Reinforcement – Four layers of spirally wrapped high tensile steel wire reinforcement, separated by synthetic rubber over a fabric layer.

Cover – Synthetic rubber, black... oil, fuel, weather, ozone and abrasion-resistant.

Couplings – Interlock crimp-on permanent type or C126 series non-skive.

Branding – ALFAGOMMA FLEXOR 4SH ID ...WP ...MPa (...PSI) – EN 856 4SH DNMSHA IC 152/8 - Q/YR

Application:

Extremely high pulsating pressure service with petroleum based hydraulic fluids. Specially designed to achieve long impulse life together with an excellent flexibility at the most severe high pulsating working pressure and temperature conditions.

Temperature Range: -40°F (-40°C) to 212°F (100°C) constant operation.

Maximum operating temperature: 257°F (125°C). **Air maximum temperature:** 175°F (80°C).

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Nominal Specifications

New Series Number	Size Code	Nominal ID		Nominal OD		Max. Working Pressure (psl)	Min. Bend. Radius		Approx. Weight (lbs./100ft.)	Coupling Recommendations	
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp (One Piece)	Ferrules (Two Piece)
T4SH	12	3/4	19.0	1.27	32.2	6,000	11.0	280	114	C126XXXX-12	H1400200-12
T4SH	16	1	25.4	1.52	38.7	5,500	13.5	340	144	C126XXXX-16	H1400200-16
T4SH	20	1¼	31.8	1.79	45.5	4,700	18.0	460	171	Consult KOA	H1400200-20
T4SH	24	1½	38.1	2.11	53.5	4,200	22.0	560	230	C126XXXX-24	H1400200-24
T4SH	32	2	50.8	2.68	68.1	3,650	27.5	700	331	C12HXXXX-32	H1400200-32

† Minimum burst pressure 4-to-1 safety factor.

Freight: Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

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

KD2-50

KD2-50 Package and Components

The KD2-50 has 340 ton of crimping force and averages 1,415 crimps/hour for -8 100R2AT. It is an ideal fit for many small shops where space is at a premium and the ability to crimp a wide variety of hose and fittings is needed.

KD2-50 Specifications:

- Dimensions L 29" X W 20" X H 32"
- Weight..... 579 Lbs.
- Pump230V 3PH
- Reservoir.....8 Gal.
- Oil Type..... ISO Viscosity Grade 46
- Master Dies..... 130 MM ID Master Die Standard
- Adapter Dies.....99 MM ID Adapter Dies Included
- Hose Capacity 2 1/2" 6 Wire



The KuriKrimp™ KD2-50 crimper includes everything needed for producing high volume hydraulic hose assembly, including a manual stop for repeated assemblies.

KD2-50 Crimper System

Part Number	Description	Weight Ea. (lbs.)
KD2-50	Complete crimper, power unit, base, 130/99 adapter die set, crimp control and foot switch.	579.00
D18506/16	99 Series Crimping Die Set - 16MM	10.00
D18506/19	99 Series Crimping Die Set - 19MM	10.00
D18506/22	99 Series Crimping Die Set - 22MM	10.00
D18506/27	99 Series Crimping Die Set - 27MM	10.00
D18506/31	99 Series Crimping Die Set - 31MM	10.00
D18506/34	99 Series Crimping Die Set - 34MM	9.00
D18506/41	99 Series Crimping Die Set - 41MM	9.00
D18506/52	99 Series Crimping Die Set - 52MM	9.00
D18506/56	99 Series Crimping Die Set - 56MM	9.00
D18506/72	99 Series Crimping Die Set - 72MM	8.00

Micrometer Digital Readout



A micrometer style digital readout makes crimp set up easy and precise

Coupling Stop Included



A coupling stop and a retraction stop makes production crimping a fast and repeatable process.

Quick Change Tool Included



Die Rack Included



Optional



Part Number	Description	Weight Ea. (lbs.)
101247-99	Machine stand with die holder panel for 32MM Series crimping dies	98.00

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

KD4-600

KD4-600 Package and Components

The KD4-600 boasts 350 ton of crimping force and averages 1,415 crimps/hour for -8 100R2AT. Not only is this a true hydraulic production machine, but it is capable of crimping up to 6" industrial hose.

***To crimp large bore industrial hose, please consult Kuriyama Customer Service for pricing and availability of all industrial dies which are MTO.**

KD4-600 Specifications:

- Dimensions L 22" X W 36" X H 57"
- Weight See Below
- Pump/Power Electric 7.5 HP (230V 3PH)
- Reservoir 24 Gal
- Oil Type ISO Viscosity Grade 46
- Master Dies 145 MM ID Master Die Standard
- Adapter Dies 99 MM ID Adapter Dies Included
- Hose Capacity 2 1/2" 6 Wire
..... 6" Industrial

KD4-600 Crimper System

Part Number	Description	Weight Ea. (lbs.)
KD4-600	Complete crimper, power unit, base, 145/99 adapter die set, crimp control and foot switch.	4000.00
D18506/16	99 Series Crimping Die Set - 16MM	10.00
D18506/19	99 Series Crimping Die Set - 19MM	10.00
D18506/22	99 Series Crimping Die Set - 22MM	10.00
D18506/30	99 Series Crimping Die Set - 30MM	10.00
D18506/34	99 Series Crimping Die Set - 34MM	9.00
D18506/42	99 Series Crimping Die Set - 42MM	9.00
D18506/51	99 Series Crimping Die Set - 51MM	9.00
D18506/57	99 Series Crimping Die Set - 57MM	9.00
D18506/61	99 Series Crimping Die Set - 61MM	8.00
D18506/71	99 Series Crimping Die Set - 71MM	8.00
D18506/76	99 Series Crimping Die Set - 76MM	8.00



- Storage for up to 22 dies.



Other Optional Dies for KD4-600 Crimpers

Part Number	Description	Weight Ea. (lbs.)
D160S-84MM	160S Series Crimping Die Set - 84MM	18.00
D160S-92MM	160S Series Crimping Die Set - 92MM	18.00
D160S-100MM	160S Series Crimping Die Set - 100MM	18.00
D160S-108MM	160S Series Crimping Die Set - 108MM	18.00
D160S-114MM	160S Series Crimping Die Set - 114MM	18.00
D160S-126MM	160S Series Crimping Die Set - 126MM	18.00
D1600B-166-130MM	1600B Series Crimping Die Set - 166MM	28.00
D1600B-178-130MM	1600B Series Crimping Die Set - 178MM	28.00

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

KD4-1000

KD4-1000 Package and Components

The KD4-1000 boasts 400 ton of crimping force and averages 1,415 crimps/hour for -8 100R2AT. Not only is this a true hydraulic production machine, but it is capable of crimping up to 10" industrial hose.

***To crimp large bore industrial hose, please consult Kuriyama Customer Service for pricing and availability of all industrial dies which are MTO.**

KD4-1000 Specifications:

- DimensionsL 30" X W 44" X H 74"
- Weight See Below
- Pump/Power Electric 7.5 HP (230V 3PH)
- Reservoir 24 Gal
- Oil Type ISO Viscosity Grade 46
- Master Dies 230 MM ID Master Die Standard
- Adapter Dies 99 MM ID Adapter Dies Included
- Hose Capacity 2 1/2" 6 Wire
..... 10" Industrial



• Storage for up to 26 dies.

KD4-1000 Crimper System

Part Number	Description	Weight Ea. (lbs.)
KD4-1000	Complete crimper, power unit, base, 145/99 adapter die set, crimp control and foot switch.	6185.00
D18506/16	99 Series Crimping Die Set - 16MM	10.00
D18506/19	99 Series Crimping Die Set - 19MM	10.00
D18506/22	99 Series Crimping Die Set - 22MM	10.00
D18506/30	99 Series Crimping Die Set - 30MM	10.00
D18506/34	99 Series Crimping Die Set - 34MM	9.00
D18506/42	99 Series Crimping Die Set - 42MM	9.00
D18506/51	99 Series Crimping Die Set - 51MM	9.00
D18506/57	99 Series Crimping Die Set - 57MM	9.00
D18506/61	99 Series Crimping Die Set - 61MM	8.00
D18506/71	99 Series Crimping Die Set - 71MM	8.00
D18506/76	99 Series Crimping Die Set - 76MM	8.00



Other Optional Dies for KD4-1000 Crimpers

Part Number	Description	Weight Ea. (lbs.)
D102819-84MM	102819 Series Crimping Die Set - 84MM	18.00
D102819-92MM	102819 Series Crimping Die Set - 92MM	18.00
D102819-100MM	102819 Series Crimping Die Set - 100MM	18.00
D102819-108MM	102819 Series Crimping Die Set - 108MM	18.00
D102819-114MM	102819 Series Crimping Die Set - 114MM	18.00
D102819-126MM	102819 Series Crimping Die Set - 126MM	18.00
D230S-166-159MM	230S Series Crimping Die Set - 166MM	45.00
D230S-178-159MM	230S Series Crimping Die Set - 178MM	45.00
D2300B-215-159MM	2300B Series Crimping Die Set - 215MM	32.00
D2300B-245-159MM	2300B Series Crimping Die Set - 245MM	32.00
D2300B-281-159MM	2300B Series Crimping Die Set - 281MM	32.00

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

Commercial Diving Products



Kuriyama now provides new hose products for commercial diving applications designed with your customers' needs in mind.

LifeStar® LD1283 Series

Commercial Diving breathing air hose with the unique "Star Core" safety design.



"Pneumo" Hose K1166 Series

Low Pressure Air Hose



EPDM Rubber Hot Water Hose



Sea-Builder™ Series Twin Line Diving Hose

Commercial Diving Twin Line Hoses for use with Sub-Sea Hydraulic Tools.



Umbilicals

Kuriyama Oil and Gas produces "Umbilicals" that are individually designed to meet or exceed our customer's standards.



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



LIFESTAR® LD1283 Series



Commercial diving breathing air hose with the unique “Star Core” safety design.

Construction:

- Core Liner – Clear, low odor, food grade polymeric compound.
- Reinforcement – Two layers of spiraled high tensile synthetic yarn.
- Cover Material – Black elastomeric compound.



Features and Advantages:

- Made with a food grade polymeric compound to give the diver a clean breathing air passageway.
- This fresh air hose was made with cleanliness in mind.
- Capable of handling mixtures of oxygen, helium and nitrogen gases which are customarily used in diving applications.
- The LifeStar® “Star Core” safety design core tube may just be the most kink resistant Commercial Diving product on the market today. (Test data on kink resistant design can be provided upon request).
- LifeStar® hose can be made in long continuous lengths.
- Meets MIL-H-2815G section 3.12.2 off-gassing for air breathing applications, especially commercial diving.
- Silicone-free core and cover.
- RoHS compliant.
- Tested to the highest standards.



LifeStar® can also be used as part of an umbilical hose group.

Service Temperature Range: -15°F (-26°C) to +150°F (+65°C)

Nominal Specifications

Series No.	Size Code	Nominal ID (In)	ID Tolerance (In)	Nominal OD (In)	OD Tolerance (In)	Max. Working Pressure (PSI) @ 70°F (20°C)	Min. Burst Pressure (PSI) @ 70°F (20°C)	Approx. Weight (lbs/100ft)
LD1283	06	0.400	± 0.015	0.750	± 0.020	1,125	4,500	18
LD1283	08	0.530	± 0.020	0.940	± 0.025	1,000	4,000	28

Recommended Fittings Offered:

Stainless steel JIC and oxygen crimp on female swivels and brass re-usable in both JIC and oxygen female swivels.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

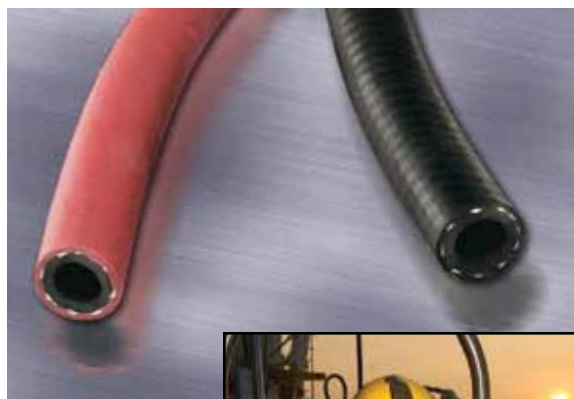
Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.



EPDM Rubber Hot Water Hose

For use with commercial diving hot water suits - similar to wet suits, but are flooded with warm water from a surface water heater. The water is then pumped to the diver using a 1/2" hose from an umbilical system.

- Cover – Black or red abrasion and ozone-resistant EPDM
- Reinforcement – Spiral polyester yarn
- Tube – Black EPDM
- Oil Resistance – Limited
- Branding – GP AIR & WATER - SIZE - WP - MADE IN USA
- Long lengths on reels
- Packaging – ***Please specify one piece reel lengths when ordering.***
- Silicone-free core and cover
- 1/4" - 3/4" ID hoses supplied on plastic reels
- 1" - 2" ID hoses supplied on wooden reels



Service Temperature Range: -40° F (-40° C) to 200° F (+93° C)

Part Number	Color	ID (Inches)	OD (Inches)	Working Pressure (PSI)	Approx. Weight (lbs/100')	Reel Length (ft.)
BEGP-025X700	Black	1/4"	9/16"	250	12.0	700
REGP-025X700	Red	1/4"	9/16"	250	12.5	700
BEGP-031X700	Black	5/16"	19/32"	200	11.6	700
REGP-031X700	Red	5/16"	19/32"	200	12.0	700
BEGP-038X700	Black	3/8"	11/16"	250	16.0	700
REGP-038X700	Red	3/8"	11/16"	250	17.0	700
BEGP-050X700	Black	1/2"	27/32"	250	24.0	700
REGP-050X700	Red	1/2"	27/32"	250	25.5	700
BEGP-062X700	Black	5/8"	15/16"	200	22.7	700
REGP-062X700	Red	5/8"	15/16"	200	23.8	700
BEGP-075X700	Black	3/4"	1 5/32"	250	36.3	700
REGP-075X700	Red	3/4"	1 5/32"	250	37.8	700
BEGP-100X700	Black	1"	1 7/16"	200	49.0	700
REGP-100X700	Red	1"	1 7/16"	200	51.0	700

Note: For 1 1/2" and 2" sizes, visit our website at www.kuriyama.com

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



“Pneumo” Hose K1166 Series Low Pressure Air Hose

The Pneumo fathometer system or “Pneumo” is usually contained in the commercial diver’s air manifold box. It uses a small volume of low pressure air to measure the diver’s depth.

Our high-quality PVC compounds enable this hose to perform extremely well as a low-pressure air hose versus standard rubber hoses. Its light weight makes it an ideal hose for Pneumo applications.



Our K1166 Series “Pneumo” hose can also be used as part of an umbilical hose group.

Construction:

- Tube – White general purpose PVC compound.
- Reinforcement – Spiralled high tensile synthetic yarn.
- Cover – Bright blue general purpose PVC compound.

Features and Advantages:

- Chemical resistance of PVC
- Compatible with brass re-usable fittings
- Extremely flexible and durable
- Lightweight
- Long continuous lengths
- Medium/high oil resistance, complies with RMA’s Class B Designation

Applications:

- Diver’s Pneumo hose used singly or with umbilicals
- General air supply line for pneumatic tools

- Multiple colors to choose from
- Non-marking pin-pricked cover
- One-piece reel lengths
- Private branding available
- RoHS compliant
- Silicone-free core and cover
- U. V. and weather resistant

Service Temperature Range: -10°F (-23°C) to +150°F (+65°C)

Nominal Specifications

Standard Stock Color	Size Code	Nominal ID		Nominal OD		Max. Working Pressure† (PSI)		Standard Lengths	Approx. Weight per Pkg.
		(In)	(mm)	(In)	(mm)	@70°F (20°C)	@122°F (50°C)		
K1166 Blue								Reel	Reel
✓	04	1/4	6.5	0.500	12.7	300	180	2,500 ft.	255 lbs.

† Note: Working Pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures.

Please refer to the back page for the location of your nearest warehouse for availability of products/sizes shown.

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Sea-Builder™ Series Twin Line Diving Hose Commercial Diving Twin Line Hoses for Use with Sub-Sea Hydraulic Tools



Construction:

Sea-Builder™ twin line diving hose is made using a Piranhaflex® 1" Return Line; non-conductive orange covered hydraulic hose joined together with a 3/4" Supply Line; non-conductive orange covered hydraulic hose.

Features & Advantages:

- Slither® cover is ultra-slippery; allows for ease of unreeling and take-up; readily glides over contact surfaces; hose maneuvers around and through difficult bends for easier handling and provides abrasion resistance.
- Available in continuous 600' lengths supplied on wooden reels. DTL1216MMX600 features carbon steel fittings, male pipe by male pipe with 18" split backs on each end.
- Twin line hoses will be shipped on wooden reels with both the inside and outside ends exposed, allowing for easier assembly and or connections.
- Special lengths are available MTO and require a minimum 2,500' run. In addition, stainless steel fittings (female JIC swivel or male NPTF) are also available by request.

- Bulk hoses can be crimped using our KD160SH-RK portable crimper.

Applications:

- Commercial Diving; operating sub-sea hydraulic tools.



Weighing only 50 lbs. the 60 ton cylinder of the portable KuriKrimp™ KD160SH-124RK crimper is a truly "portable" crimper. This 60 ton crimper can be carried to most locations where service is required.

Service Temperature Range: -40° F (-40° C) to +200° F (+93° C) For Hydraulic Fluids

Nominal Specifications

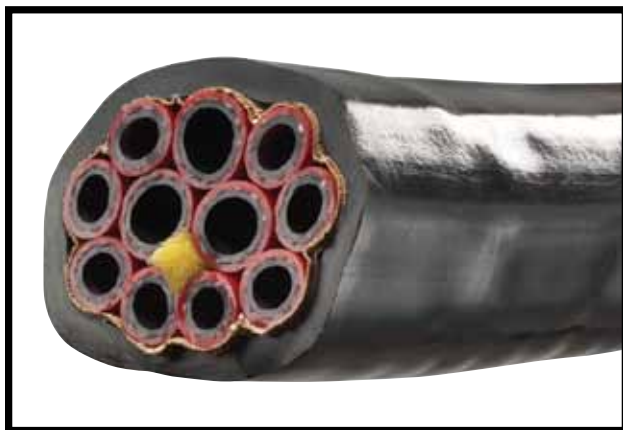
Series Number	Line Descriptions	Nominal I.D.		Nominal O.D.		Max. Working		Min. Burst		Min. Bend Radius		Weight lbs./100'	Reel Length ft.
		in.	mm	in.	mm	psi	bar	psi	bar	in.	mm		
DTL1216MMx600	Pressure Line -12	3/4	19.1	1.05	26.7	2,250	155	9,000	621	8	203.2	55	600
	Return Line -16	1	25.4	1.60	40.64	1,000	69	4,000	275				

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



UMBILICALS

- Umbilicals are groups of hoses and sometimes electrical cables, either cabled at (360°) or layered in a round or semi-round configuration.
- The outer wrap (cover) will have a specified Urethane or PVC jacket custom made for the customer's umbilical application.
- At Kuriyama, we continually focus on innovative, cost effective solutions to meet our customer's requirements. We have a team in place with combined experience and success in both hose and umbilical manufacturing to meet your needs.



Features and Advantages:

- Kuriyama Oil and Gas produces "Umbilicals" that are individually designed to meet or exceed our customer's standards.
- Each hose and jacketing material is carefully evaluated for your project.



Applications:

- Subsea Umbilicals for diving
- Specialty work over
- Land control BOP
- Beverage tubing Umbilicals

We need just a few questions answered to start the design of your umbilical today.

1. Desired continuous length.
2. Number of individual hoses inside the diameter and working pressure.
3. Electrical specification and outside diameter if included in umbilical.
4. Full understanding of the application and environment the umbilical will be exposed to.

Whatever your application, we will either have a product or make a product to exceed your needs.

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

Kuriyama-Couplings™ & Accessories



Kuriyama-Couplings™ & Accessory Products for Onshore Drilling Operations

Kuriyama offers a diverse line of couplings and accessories for extra durability in oil field and oil-frack assembly applications. Included are:

- Hammer Unions
- Sight Glass
- Funnel Strainers
- Foot Valves
- Aluminum Place Strainers
- Strainers, Skimmers and Menders
- Combination Hose Nipples
- Aluminum Quick-Acting Couplings
- Aluminum 90 Degree Elbows
- Ductile Iron Quick-Acting Couplings
- Reducing Couplers & Adapters
- Weld Couplings
- Crimping Sleeves
- Bolt Clamps & Hose Clamps

Kuriyama offers additional couplings and accessories not shown here, that can be found in our Kuriyama-Couplings™ & Accessories Catalog. Please refer to our current catalog today for more information at our web site: www.kuriyama.com

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Hammer Unions



Figure 100 Threaded 1000 PSI CWP
Economical Low Pressure Union

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT100-2	2"	5.25	6
HUT100-3	3"	12.65	5
HUT100-4	4"	20.81	3
HUT100-6	6"	46.20	1
HUT100-8	8"	66.00	1



Figure 400 Threaded 4000 PSI CWP
Medium Pressure Union

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT400-2	2"	5.00	4
HUT400-3	3"	20.15	4
HUT400-4	4"	30.08	1



Figure 200 Threaded 2000 PSI CWP
General Purpose Union

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT200-1	1"	1.92	30
HUT200-2	2"	5.00	12
HUT200-3	3"	13.76	5
HUT200-4	4"	21.59	3
HUT200-6	6"	46.20	1
HUT200-8	8"	66.00	1



Figure 602 Threaded 6000 PSI CWP
Specially Designed Lip Type Elastomer Seal Protects Metal to Metal Sealing Surface and Reduces Line Flow Turbulance

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT602-1	1"	3.75	4
HUT602-2	2"	13.45	4
HUT602-3	3"	22.93	4
HUT602-4	4"	35.71	1



Figure 206 Threaded 2000 PSI CWP
General Purpose Union With "O" Ring Seal in Male Sub for Improved Sealing

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT206-2	2"	5.00	12
HUT206-3	3"	13.76	5
HUT206-4	4"	21.59	3



Figure 1002 Threaded 10,000 PSI CWP
Specially Designed Lip Type Elastomer Seal Protects Metal to Metal Sealing Surface and Reduces Line Flow Turbulance

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT1002-2	2"	5.25	4
HUT1002-3	3"	12.65	2
HUT1002-4	4"	20.81	2

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

Hammer Unions



Figure 602 Butt Weld 6000 PSI CWP

Specially Designed Lip Type Elastomer Seal Protects Metal to Metal Sealing Surface and Reduces Line Flow Turbulance

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUW602-2	2"	13.23	4
HUW602-3	3"	22.27	2
HUW602-4	4"	31.31	2



Figure 1002 Butt Weld 10,000 PSI CWP

Specially Designed Lip Type Elastomer Seal Protects Metal to Metal Sealing Surface and Reduces Line Flow Turbulance

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUW1002-2	2"	5.25	4
HUW1002-3	3"	12.65	2
HUW1002-4	4"	20.81	2



Figure 1502 Threaded 15,000 PSI CWP

Specially Designed Lip Type Elastomer Seal Protects Metal to Metal Sealing Surface and Reduces Line Flow Turbulance

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUT1502-2	2"	5.25	4
HUT1502-3	3"	12.65	2



Figure 1502 Butt Weld 15,000 PSI CWP

Specially Designed Lip Type Elastomer Seal Protects Metal to Metal Sealing Surface and Reduces Line Flow Turbulance

Part Number	Size	Weight Each (lbs.)	Standard Carton
HUW1502-2	2"	5.25	4
HUW1502-3	3"	12.65	2
HUW1502-4	4"	80.03	1

Unions Conform to NACE, ISO, DNV and API Standards.
 Materials Conform to ASTM Grade 65-45-12, ASTM A-105 ASTM A29.
 NPT Threads Conform to ASME B1.20.1.

CWP (Cold Working Pressure) is the Maximum Pressure at Ambient Temperature (70°F).

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Sight Glass



Sight Glass (NPT Threads)

Part Number	Size	Weight Each (lbs.)	Standard Carton
SG300	3"	1.08	12
SG400	4"	2.25	6

Sight Glass is Made from a Tough Polycarbonate Material and has a Temperature Rating of (-50 to +185°F). It has a 500 PSI rating and allows for viewing of materials at all times.

Warning: Never use a wrench on the Sight Glass – always tighten the connecting pieces.

Funnel Strainer



Funnel Strainer (304 Stainless Steel)

Part Number	Size	Weight Each (lbs.)	Standard Carton
FNS300	3"	0.16	90
FNS400	4"	0.42	65

This Funnel Strainer is made of 304 Stainless Steel and offers a unique one-piece design which includes a pre-attached Buna Gasket for better sealing and ease of assembly. It is designed to be used with Female Quick-Acting Couplings.



The pictures above show a popular installation set up for the Sight Glass and Funnel Strainer. The picture on the left shows the Funnel Strainer assembled with an aluminum type "D" coupling. The picture on the right shows the complete assembly with the sight glass and an aluminum type "A" coupling.

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Foot Valve



Foot Valve

Part Number	Size	Weight Each (lbs.)	Standard Carton
FV150	1 1/2"	2.90	12
FV200	2"	5.30	8
FV250	2 1/2"	7.30	6
FV300	3"	9.00	5
FV400	4"	17.90	2
FV600	6"	46.60	1
FV800	8"	93.70	1

Kuriyama Foot Valves are Made of Iron and come with a Neoprene Flapper Valve Assembly. Threads are NPT; Bolts and Nuts are Plated Steel. Designed for use in Irrigation and other Pumping Applications where water may be dirty due to silt and sand. These valves are used to prevent the passage of contaminants to the pump.

Aluminum Plate Strainer



Aluminum Plate Strainer

Part Number	Size	Weight Each (lbs.)	Standard Carton
APS300	3"	0.086	72
APS400	4"	0.129	48

This Strainer is Made to Thread into the bottom of a Female NPT Coupler (pictured above on left). It protects pumps and other equipment from large contaminants. "Easy Grip" Handle Pin design allows for easy assembly.

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

Plated Steel Strainers & Skimmers with standard straight pipe threads (NPSM)

Long Round Hole Steel Strainer



Part Number	Size	Weight Each (lbs.)	Standard Carton
LHS150	1 1/2"	0.75	30
LHS200	2"	0.94	25
LHS300	3"	2.00	16

Top Hole Steel Strainer/Skimmer



Part Number	Size	Weight Each (lbs.)	Standard Carton
THS150	1 1/2"	1.64	25
THS200	2"	2.00	20
THS300	3"	2.68	15

Round Hole Steel Strainer



Part Number	Size	Weight Each (lbs.)	Standard Carton
RHS150	1 1/2"	1.36	32
RHS200	2"	1.78	18
RHS250	2 1/2"	2.02	18
RHS300	3"	3.08	18
RHS400	4"	2.90	18
RHS600	6"	6.04	6
RHS800	8"	7.34	4

Steel Bottom Hole Skimmer



Part Number	Size	Weight Each (lbs.)	Standard Carton
BHS150	1 1/2"	1.64	20
BHS200	2"	2.00	20
BHS300	3"	2.68	15

Square Hole Steel Strainer



Part Number	Size	Weight Each (lbs.)	Standard Carton
SHS150	1 1/2"	1.12	32
SHS200	2"	1.74	18
SHS300	3"	2.50	18
SHS400	4"	2.52	18
SHS600	6"	6.32	6

Polypropylene Strainer with Standard Straight Pipe Threads (NPSM)



Part Number	Size	Weight Each (lbs.)	Standard Carton
PPS150	1 1/2"	0.25	12
PPS200	2"	0.30	18
PPS300	3"	0.65	12

Menders



Steel Hose Menders (Zinc Plated)

Part Number	Size	Weight Each (lbs.)	Standard Carton
SPHM050	1/2"	0.10	100
SPHM062	5/8"	0.10	100
SPHM075	3/4"	0.20	100
SPHM100	1"	0.30	50
SPHM125	1 1/4"	0.50	50
SPHM150	1 1/2"	0.50	40
SPHM200	2"	0.80	35
SPHM250	2 1/2"	1.70	20
SPHM300	3"	2.40	15
SPHM400	4"	2.90	9
SPHM600	6"	13.20	4
SPHM800	8"	20.90	2
SPHM1000	10"	28.63	1
SPHM1200	12"	48.46	1

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Steel Hex Combination Hose Nipples

Hex Combination Hose Nipples – (Plain Steel) NPT Thread



Part Number	Size	Weight Each (lbs.)	Standard Carton
HEX-STN050	1/2"	0.14	25
HEX-STN075	3/4"	0.22	25
HEX-STN100	1"	0.32	50
HEX-STN125	1 1/4"	0.56	20

Hex Combination Hose Nipples – (Plated Steel) NPT Thread



Part Number	Size	Weight Each (lbs.)	Standard Carton
HEX-SPN050	1/2"	0.14	25
HEX-SPN075	3/4"	0.22	25
HEX-SPN100	1"	0.32	50
HEX-SPN125	1 1/4"	0.56	20

Steel Combination Hose Nipples

Combination Hose Nipples – (Plain Steel) NPT Thread



Part Number	Size	Weight Each (lbs.)	Standard Carton
STN050	1/2"	0.14	25
STN075	3/4"	0.22	25
STN100	1"	0.32	50
STN125	1 1/4"	0.56	20
STN150	1 1/2"	0.72	10
STN200	2"	1.10	40
STN250	2 1/2"	1.74	20
STN300	3"	2.18	12
STN400	4"	3.22	8
STN500	5"	4.12	4
STN600	6"	12.24	4

Combination Hose Nipples – (Plated Steel) NPT Thread



Part Number	Size	Weight Each (lbs.)	Standard Carton
SPN050	1/2"	0.14	25
SPN075	3/4"	0.20	25
SPN100	1"	0.32	50
SPN125	1 1/4"	0.56	20
SPN150	1 1/2"	0.72	10
SPN200	2"	1.10	40
SPN250	2 1/2"	1.74	20
SPN300	3"	2.18	12
SPN400	4"	3.22	8
SPN600	6"	12.24	4
SPN800	8"	16.44	2
SPN1000	10"	21.78	1
SPN1200	12"	33.18	1

Stainless Steel Combination Hose Nipples

Combination Hose Nipples – SSN Series (304 Stainless) NPT Thread



Part Number	Size	Weight Each (lbs.)	Standard Carton
SSN304-050	1/2"	0.18	25
SSN304-075	3/4"	0.26	25
SSN304-100	1"	0.35	50
SSN304-125	1 1/4"	0.55	20
SSN304-150	1 1/2"	0.66	10
SSN304-200	2"	1.16	40
SSN304-250	2 1/2"	1.31	20
SSN304-300	3"	2.20	12
SSN304-400	4"	3.31	8
SSN304-500	5"	8.82	4
SSN304-600	6"	11.02	4

Combination Hose Nipples – SSN Series (316 Stainless) NPT Thread



Part Number	Size	Weight Each (lbs.)	Standard Carton
SSN050	1/2"	0.18	25
SSN075	3/4"	0.26	25
SSN100	1"	0.35	50
SSN125	1 1/4"	0.55	20
SSN150	1 1/2"	0.66	10
SSN200	2"	1.16	40
SSN250	2 1/2"	1.31	20
SSN300	3"	2.20	12
SSN400	4"	3.31	8
SSN500	5"	8.82	4
SSN600	6"	11.02	4

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Aluminum Quick-Acting Couplings

Aluminum Part A Male Adapter x Female NPT



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-A050	1/2" x 1/2"	0.10	100
AL-A075	3/4"	0.13	50
AL-A100	1"	0.12	70
AL-A125	1 1/4"	0.20	40
AL-A150	1 1/2"	0.28	30
AL-A200	2"	0.38	40
AL-A250	2 1/2"	0.58	50
AL-A300	3"	0.70	35
AL-A400	4"	1.58	20
AL-A500	5"	1.74	4
AL-A600	6"	2.95	15
* AL-A800	8"	7.58	2
AL-A1000	10"	9.88	2
* HDAL-A801	8"	9.48	2

Aluminum Part B Female Coupler x Male NPT



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-B050‡	1/2" x 1/2"	0.18	100
AL-B075●	3/4"	0.24	50
AL-B100●	1"	0.36	30
AL-B125●	1 1/4"	0.62	45
AL-B150●	1 1/2"	0.70	30
AL-B200●	2"	0.86	50
AL-B250●	2 1/2"	1.02	40
AL-B300●	3"	1.56	25
AL-B400●	4"	2.42	25
AL-B500●	5"	3.34	4
AL-B600●	6"	4.98	10
*† AL-B800●	8"	8.03	2
† AL-B1000●	8"	12.13	2
HDAL-B801	8"	10.54	2

Aluminum Part C Female Coupler x Hose Shank



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-C050‡	1/2" x 1/2"	0.20	100
AL-C075●	3/4"	0.26	50
AL-C100●	1"	0.42	60
AL-C125●	1 1/4"	0.68	35
AL-C150●	1 1/2"	0.74	30
AL-C200●	2"	0.98	40
AL-C250●	2 1/2"	1.28	30
AL-C300●	3"	2.20	15
AL-C400●	4"	3.16	15
AL-C500●	5"	3.88	4
AL-C600●	6"	7.70	6
*† AL-C800●	8"	10.63	1
† AL-C1000●	10"	16.67	1
*† HDAL-C801●	8"	12.58	1

● These couplers are supplied with locking feature . . . safety clips may be inserted to lock handles, preventing disconnection during product transfer.

Aluminum Part D Female Coupler x Female NPT



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-D050‡	1/2" x 1/2"	0.18	100
AL-D075●	3/4"	0.22	50
AL-D100●	1"	0.42	30
AL-D125●	1 1/4"	0.68	40
AL-D150●	1 1/2"	0.80	30
AL-D200●	2"	0.92	40
AL-D250●	2 1/2"	1.18	35
AL-D300●	3"	1.80	20
AL-D400●	4"	2.16	10
AL-D500●	5"	3.42	4
AL-D600●	6"	4.24	10
*† AL-D800●	8"	9.50	2
† AL-D1000●	10"	12.52	2
HDAL-D801	8"	11.77	2

Aluminum Part E Male Adapter x Hose Shank



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-E050	1/2" x 1/2"	0.08	100
AL-E075	3/4"	0.11	50
AL-E100	1"	0.20	50
AL-E125	1 1/4"	0.26	30
AL-E150	1 1/2"	0.38	40
AL-E200	2"	0.60	50
AL-E250	2 1/2"	0.86	20
AL-E300	3"	1.32	18
AL-E400	4"	2.10	20
AL-E500	5"	3.56	4
AL-E600	6"	6.16	6
* AL-E800	8"	7.73	2
AL-E1000	10"	12.90	1
* HDAL-E801	8"	9.75	2

Aluminum Part F Male Adapter x Male NPT



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-F050	1/2" x 1/2"	0.14	100
AL-F075	3/4"	0.16	50
AL-F100	1"	0.20	45
AL-F125	1 1/4"	0.34	30
AL-F150	1 1/2"	0.46	50
AL-F200	2"	0.68	60
AL-F250	2 1/2"	0.96	30
AL-F300	3"	1.30	20
AL-F400	4"	2.32	25
AL-F500	5"	2.94	4
AL-F600	6"	3.92	10
* AL-F800	8"	7.94	2
AL-F1000	10"	10.58	2
HDAL-F801	8"	9.95	2

‡ Size 1/2" x 1/2" supplied with one forged brass handle.
 † Supplied with 4 locking handles, safety clips, pull rings and chains.
 * See page 6 for interchange information.

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Aluminum Quick-Acting Couplings

NEW IMPROVED HANDLE PINS



Aluminum Part DC Dust Cap

Aluminum Part DP Dust Plug

Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-DC050‡	1/2" x 1/2"	0.18	100
AL-DC075●	3/4"	0.22	50
AL-DC100●	1"	0.34	40
AL-DC125●	1 1/4"	0.58	25
AL-DC150●	1 1/2"	0.64	40
AL-DC200●	2"	0.80	60
AL-DC250●	2 1/2"	0.94	50
AL-DC300●	3"	1.44	30
AL-DC400●	4"	2.34	15
AL-DC500●	5"	3.06	4
AL-DC600●	6"	4.66	6
*† AL-DC800●	8"	9.04	4
† AL-DC1000●	10"	12.54	3
HDAL-DC801	8"	10.63	4

Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-DP050	1/2" x 1/2"	0.07	100
AL-DP075	3/4"	0.08	50
AL-DP100	1"	0.10	80
AL-DP125	1 1/4"	0.18	50
AL-DP150	1 1/2"	0.25	50
AL-DP200	2"	0.38	60
AL-DP250	2 1/2"	0.54	40
AL-DP300	3"	0.74	50
AL-DP400	4"	1.22	25
AL-DP500	5"	1.46	4
AL-DP600	6"	2.53	20
* AL-DP800	8"	4.04	6
AL-DP1000	10"	5.36	4
HDAL-DP801	8"	5.00	6

- These couplers are supplied with locking feature . . . safety clips may be inserted to lock handles, preventing disconnection during product transfer.
- ‡ Size 1/2" x 1/2" supplied with one forged brass handle.

- Note: Dust Caps & Dust Plugs are NOT DESIGNED FOR PRESSURE APPLICATIONS.**
- † Supplied with 4 locking handles, safety clips, pull rings and chains.
 - * See page 6 for interchange information.

Aluminum 90 Degree Elbows



Aluminum Elbow Coupler/Adapter - Part D X A

Part Number	Size	Weight Each (lbs.)	Standard Carton
DA90-A200	2"	1.50	16
DA90-A300	3"	2.17	10
DA90-A400	4"	4.30	5

Ductile Iron Quick-Acting Couplings - "Maximum Flow Design"



Ductile Part C Female Coupler X Hose Shank

Ductile Part E Male Adapter X Hose Shank

Part Number	Size	Weight Each (lbs.)	Standard Carton
DI-C400	4"	7.29	15

Part Number	Size	Weight Each (lbs.)	Standard Carton
DI-E400	4"	5.84	20

Operating Pressures & Temperatures
 Maximum PSI Rating – 150 • Maximum Temperature – Ambient

Material Specifications
 Body – Ductile Iron • Handles – Type 304 Stainless Steel • Slot Pins – Type 304 Stainless Steel
 Pull Rings – Type 304 Stainless Steel • Gaskets – Buna-N • Safety Clips – Zinc-plated carbon Steel

Meets Mill-Spec A-A-59326 for interchangeability.

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Reducing Couplers/Adapters

Aluminum Reducing Coupler x Hose Shank



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-C2015	2" x 1 1/2"	0.93	40
AL-C3020	3" x 2"	1.74	9
AL-C3040	3" x 4"	2.29	8
AL-C4030	4" x 3"	2.94	6

Aluminum Reducing Adapter x Hose Shank



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-E2015	2" x 1 1/2"	0.64	50
AL-E3020	3" x 2"	1.12	12
AL-E3040	3" x 4"	1.90	8
AL-E4030	4" x 3"	2.03	18

Aluminum Reducing Coupler x Male NPT



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-B2030	2" x 3"	1.43	12
AL-B3020	3" x 2"	1.57	12
AL-B3040	3" x 4"	2.45	18
AL-B4030	4" x 3"	2.31	10

Aluminum Reducing Adapter x Male NPT



Part Number	Size	Weight Each (lbs.)	Standard Carton
AL-F2030	2" x 3"	1.06	20
AL-F3020	3" x 2"	0.86	24
AL-F3040	3" x 4"	1.78	25
AL-F4030	4" x 3"	1.57	18

Aluminum Reducing Coupler/Adapter – Part D x A with Forged Brass Handles



Part Number	Size	Weight Each (lbs.)	Standard Carton
RDA-A2030	2" x 3"	1.64	12
RDA-A3020	3" x 2"	2.37	6
RDA-A3040	3" x 4"	2.60	6
RDA-A4020	4" x 2"	2.70	6
RDA-A4030	4" x 3"	2.96	6
RDA-A6040	6" x 4"	6.66	2

Aluminum Spool Adapters



Part Number	Size	Weight Each (lbs.)	Standard Carton
SA-A150	1 1/2" x 1 1/2"	0.43	50
SA-A200	2" x 2"	0.68	40
SA-A2030	2" x 3"	0.97	12
SA-A300	3" x 3"	1.10	12
SA-A3040	3" x 4"	1.78	8
SA-A400	4" x 4"	1.91	6

Aluminum Reducing DD Coupler x Coupler



Part Number	Size	Weight Each (lbs.)	Standard Carton
DD-AL200	2" x 2"	1.43	12
DD-AL2030	2" x 3"	4.35	6
DD-AL300	3" x 3"	2.40	6
DD-AL3040	3" x 4"	5.90	5
DD-AL400	4" x 4"	3.90	5

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Socket Weld To Schedule 40 Metal Pipe

Aluminum Part A Male Adapter



Part Number	Size	Weight Each (lbs.)	Standard Carton
SW-ALA150	1 1/2"	0.37	30
SW-ALA200	2"	0.45	40
SW-ALA250	2 1/2"	0.65	50
SW-ALA300	3"	0.77	35
SW-ALA400	4"	1.41	20
SW-ALA500	5"	1.70	4
SW-ALA600	6"	2.08	15

Stainless Steel 316 Part A Male Adapter



Part Number	Size	Weight Each (lbs.)	Standard Carton
SW-SSA150	1 1/2"	0.71	25
SW-SSA200	2"	1.37	12
SW-SSA250	2 1/2"	1.38	12
SW-SSA300	3"	1.87	8
SW-SSA400	4"	3.95	6
SW-SSA500	5"	4.46	4
SW-SSA600	6"	6.16	2

Aluminum Part D Female Coupler



Part Number	Size	Weight Each (lbs.)	Standard Carton
SW-ALD150	1 1/2"	0.81	30
SW-ALD200	2"	0.99	40
SW-ALD250	2 1/2"	1.27	35
SW-ALD300	3"	1.69	20
SW-ALD400	4"	2.91	10
SW-ALD500	5"	4.56	10
SW-ALD600	6"	5.28	10

Stainless Steel 316 Part D Female Coupler



Part Number	Size	Weight Each (lbs.)	Standard Carton
SW-SSD150	1 1/2"	1.41	30
SW-SSD200	2"	1.70	40
SW-SSD250	2 1/2"	2.35	35
SW-SSD300	3"	3.30	20
SW-SSD400	4"	5.32	10
SW-SSD500	5"	7.81	10
SW-SSD600	6"	20.79	10

Butt Weld To Schedule 40 Metal Pipe or Socket Weld To Nominal OD Metal Tubing

Aluminum Part F Male Adapter



Part Number	Size	Weight Each (lbs.)	Standard Carton
BW-ALF150	1 1/2"	0.52	50
BW-ALF200	2"	0.74	60
BW-ALF250	2 1/2"	1.02	30
BW-ALF300	3"	1.36	20
BW-ALF400	4"	2.40	25
BW-ALF500	5"	3.03	4
BW-ALF600	6"	4.01	10
BW-ALF800	8"	8.05	2

Stainless Steel 316 Part F Male Adapter



Part Number	Size	Weight Each (lbs.)	Standard Carton
BW-SSF150	1 1/2"	1.40	25
BW-SSF200	2"	1.57	20
BW-SSF250	2 1/2"	2.80	12
BW-SSF300	3"	4.17	8
BW-SSF400	4"	6.57	6
BW-SSF500	5"	8.51	4
BW-SSF600	6"	11.52	2

Aluminum Part B Female Coupler



Part Number	Size	Weight Each (lbs.)	Standard Carton
BW-ALB150	1 1/2"	0.76	30
BW-ALB200	2"	0.92	50
BW-ALB250	2 1/2"	1.09	40
BW-ALB300	3"	1.64	25
BW-ALB400	4"	2.51	25
BW-ALB500	5"	3.43	4
BW-ALB600	6"	5.08	10
BW-ALB800	8"	8.15	2

Stainless Steel 316 Part B Female Coupler



Part Number	Size	Weight Each (lbs.)	Standard Carton
BW-SSB150	1 1/2"	1.27	20
BW-SSB200	2"	1.57	20
BW-SSB250	2 1/2"	2.13	12
BW-SSB300	3"	3.21	8
BW-SSB400	4"	5.72	6
BW-SSB500	5"	6.71	4
BW-SSB600	6"	9.13	2

The BW items above are dual purpose. They can be used as butt weld for metal pipe or socket weld for metal tubing.

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Steel & Aluminum Crimp Sleeves



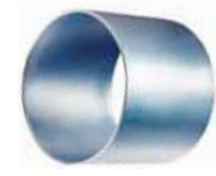
Kuri-Krimp™ Plated Steel Crimp Sleeves

Part Number	Size	Weight Each (lbs.)	Standard Carton	
CRS-CS10108	1"	1.50	0.19	200
CRS-CS10109	1"	1.56	0.20	200
CRS-CS15200	1 1/2"	2.00	0.25	128
CRS-CS15202	1 1/2"	2.12	0.26	128
CRS-CS20209	2"	2.56	0.37	80
CRS-CS20210	2"	2.62	0.40	80
CRS-CS20211	2"	2.68	0.40	80
CRS-CS25302	2 1/2"	3.12	0.52	60
CRS-CS25304	2 1/2"	3.25	0.54	60
CRS-CS30310	3"	3.62	1.19	40
CRS-CS30312	3"	3.75	1.21	40
CRS-CS30313	3"	3.81	1.23	40
CRS-CS30400	3"	4.00	1.30	40
CRS-CS40411	4"	4.68	1.61	30
CRS-CS40412	4"	4.75	1.63	30
CRS-CS40413	4"	4.81	1.65	30
CRS-CS40500	4"	5.00	1.72	30
CRS-CS60610	6"	6.63	4.02	8
CRS-CS60612	6"	6.75	4.10	8
CRS-CS60614	6"	6.88	4.17	8
CRS-CS60700	6"	7"	4.24	8
CRS-CS60704	6"	7.25	4.39	8
CRS-CS60706	6"	7.38	4.47	8
CRS-CS80812	8"	8.75	6.06	8
CRS-CS80814	8"	8.88	6.15	8
CRS-CS80900	8"	9"	6.23	8
CRS-CS80902	8"	9.13	6.32	8
CRS-CS80904	8"	9.25	6.41	8
CRS-CS80908	8"	9.50	6.58	8



Kuri-Krimp™ 304 Stainless Steel Crimp Sleeves

Part Number	Size	Weight Each (lbs.)	Standard Carton	
CRS-SS10108	1"	1.50	0.20	200
CRS-SS10109	1"	1.56	0.21	200
CRS-SS15200	1 1/2"	2.00	0.27	128
CRS-SS15202	1 1/2"	2.12	0.29	128
CRS-SS20209	2"	2.56	0.40	80
CRS-SS20210	2"	2.62	0.43	80
CRS-SS20211	2"	2.68	0.43	80
CRS-SS25302	2 1/2"	3.12	0.56	60
CRS-SS25304	2 1/2"	3.25	0.58	60
CRS-SS30310	3"	3.62	1.29	40
CRS-SS30312	3"	3.75	1.31	40
CRS-SS30313	3"	3.81	1.33	40
CRS-SS30400	3"	4.00	1.40	40
CRS-SS40411	4"	4.68	1.74	30
CRS-SS40412	4"	4.75	1.76	30
CRS-SS40413	4"	4.81	1.78	30
CRS-SS40500	4"	5.00	1.86	30



Kuri-Krimp™ Aluminum Crimp Sleeve

Part Number	Size	Weight Each (lbs.)	Standard Carton	
CRS-AL20209	2"	2.56	0.18	100
CRS-AL20210	2"	2.63	0.18	100
CRS-AL20211	2"	2.69	0.19	100
CRS-AL30310	3"	3.63	0.35	36
CRS-AL30312	3"	3.75	0.36	36
CRS-AL30313	3"	3.81	0.37	36
CRS-AL30400	3"	4.00	0.39	36
CRS-AL40411	4"	4.69	0.60	36
CRS-AL40412	4"	4.75	0.61	36
CRS-AL40413	4"	4.81	0.62	36
CRS-AL40500	4"	5.00	0.64	36

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Bolt Clamps & Hose Clamps

TigerClamp™ Zinc Plated Carbon Steel Spiral Double Bolt Clamps

(For Counterclockwise Spiral)

Specially designed to fit Tigerflex® PVC suction hose. Also works well on rubber suction hose



Part Number	Size	Weight Each (lbs.)	Standard Carton
SDBC-1.5	1 1/2"	0.18	100
SDBC-2	2"	0.36	100
SDBC-2.25	2 1/4"	0.40	100
SDBC-2.5	2 1/2"	0.48	100
SDBC-3	3"	0.66	70
SDBC-3.5	3 1/2"	0.70	70
SDBC-4	4"	1.02	40
SDBC-5	5"	1.76	30
SDBC-6	6"	2.00	20
SDBC-8	8"	2.76	10
SDBC-10	10"	3.46	10
SDBC-12	12"	4.14	10

TigerClamp™ Zinc Plated Carbon Steel Spiral Double Bolt Clamps

(For Clockwise Spiral Hoses)

Designed to Fit Tigerflex™ Tiger-TR1™ Hoses



Part Number	Size	Weight Each (lbs.)	Standard Carton
SDBCR-2	2"	0.36	100
SDBCR-3	3"	0.66	70
SDBCR-4	4"	1.02	40
SDBCR-5	5"	1.76	30
SDBCR-6	6"	2.00	20
SDBCR-8	8"	2.76	1

Double Bolt Zinc Plated Ductile Iron Hose Clamps



Part Number	Size	Weight Each (lbs.)	Torque	Standard Carton
DB29	7/8" - 1 9/64"	0.29	15	200
DB34	1 5/32" - 1 11/32"	0.31	15	200
DB40	1 5/16" - 1 19/32"	0.43	20	100
DB49	1 5/8" - 1 15/16"	0.56	20	100
DB60	1 7/8" - 2 3/8"	0.64	20	60
DB76	2 3/8" - 3 1/64"	0.73	20	10
DB94	3 1/32" - 3 11/16"	1.30	40	10
DB400	3 1/2" - 4"	1.54	40	10
DB463	4 1/16" - 4 7/16"	1.79	40	10
DB525	4 3/16" - 5"	2.14	60	10
DB550	5" - 5 1/2"	2.27	60	10
DB600	5 1/2" - 6 1/16"	2.65	60	10
DB675	6 1/8" - 6 7/8"	2.98	60	10
DB769	6 15/16" - 7 5/8"	3.81	60	10
DB818	7 11/16" - 8 3/16"	5.11	125	10
DB875	8 1/4" - 8 7/8"	5.64	125	10
DB988	8 15/16" - 9 7/8"	6.15	125	10
DB1125	9 15/16" - 11 3/8"	9.48	125	4
DB1275	11 3/16" - 12 1/2"	9.61	125	4
DB1360	12 3/16" - 14"	15.43	200	4

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