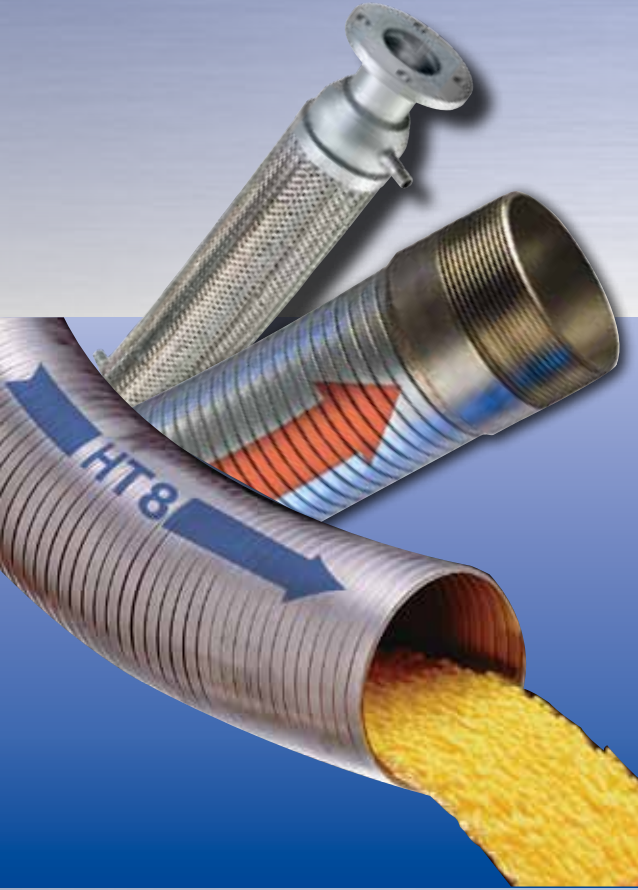




Kuriyama of America, Inc.

Metal Hose Products



EDITION 1108

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WHY METAL HOSE?

- **Cost Savings** - In many cases, metal hose can offer significant cost savings compared to the other heavy duty material handling hoses.
- **Abrasion Resistant** - High durability, better wear than plastic or rubber hoses.
- **Temperature Extremes** - Very low or high temp ranges for media going through hose or environment hose is operated in (atmospheric).
- **Chemical Compatibility** - Metal hose can handle a wide range of very aggressive chemicals.
- **Protection** - Used as a protective armor, bend restrictor, blow-out or hot splash protection.

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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.

Application Guide	Metal Hose To-Go [™]	“Multi-Flex” Rough Bore HT4000 Series	“Smooth Flow” Smooth Bore (lined) HT5000 Series	“Floppy Guard” HT1100 Series	SS/Alum. Duct HT3000 Series
Abrasive Material Handling	✓	✓	✓		
Air Intake Supply; Fresh Air Intake		✓			✓
Bend Restrictor		✓		✓	
Beverage Dispenser Hose Armor				✓	
BOP (Blow Out Protection) for Hydraulic, Cryogenic and Other High Pressure Hoses		✓		✓	
Bulk Unloading/Loading (Railcar/Truck)	✓	✓	✓		
Dry Bulk Transfer (Railcar/Truck/In-Plant)	✓	✓	✓		
Dust/Fume Collection		✓			✓
Engine Exhaust		✓			
Environmental/Industrial Clean-Up	✓	✓			
Fly Ash/Soda Ash Handling	✓	✓			
Fume Hood Exhaust		✓			✓
Garage Fume Exhaust		✓			✓
Grain Handling	✓	✓	✓		
High Temperature Material Handling	✓	✓	✓		
Hot Air Blower/Suction	✓	✓			
Hot Air Ducting		✓			✓
Industrial Dryer Vents		✓			✓
Liner for Corrugated/Braided Assemblies		✓			
Low Temperature Material Transfer	✓	✓	✓		
Oven/Kiln Exhaust		✓			✓
Plastic Pellet Transfer	✓	✓	✓		
Pneumatic Transfer	✓	✓	✓		
Protective Armor/Shielding for Hoses		✓		✓	
Shielding for Wiring		✓		✓	
Steam Hose Liner		✓			
Railcar - Bulk Unloading/Loading		✓	✓		
Spot Cooling/Air Conditioning Ducting		✓			✓
Truck - Bulk Unloading/Loading	✓	✓	✓		
Truck Exhaust/Flexible Tailpipe Exhaust		✓			
Vacuum Trucks and Equipment	✓	✓	✓		

CAUTION

NOTE: This application guide provides information on typical flexible metal hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, abrasiveness of the material being handled, working pressure, handling requirements, etc. Please refer to the specifications printed for each product in this catalog and our Cautionary Statement (see page 19), to better insure successful results.

NOTE: For questions regarding chemical resistance please call Hose Technology at 1-800-878-5501.

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METAL-HOSE-TO-GO™

(Factory Pre-Welded Assembly)

Your Dry Bulk Transfer/Transport Solution!



**Why wait for
new fabrication?**

Kuriyama's Metal Hose Assemblies
are in stock and ready for same
day shipments!

***Save your customers
time and money.***

NO WELDING REQUIRED!
(Factory Pre-Welded Assembly)

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.

YOUR DRY BULK TRANSFER/TRANSPORT SOLUTION

HOSE TEC[®] TOUGH brand pre-welded hose assemblies features and benefits...

Features and Benefits – Hose

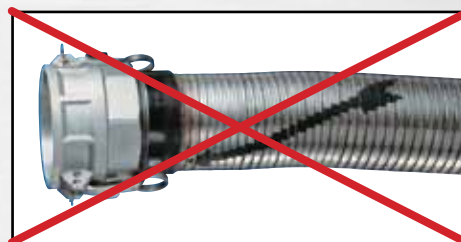
- Factory pre-welded with Stainless Steel 304 Schedule 40 MPT male pipe threaded (TOE) ends.

Available in three hose styles:

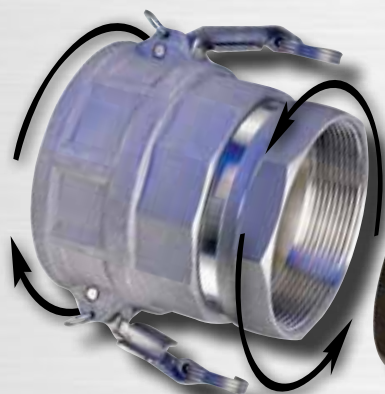
- HTS4200 – Medium Weight (.017” – .020” strip thickness) Rough Bore.
- HTSS5150 – Lt. Wt. with Stainless Steel Liner (.015” Armor/.015” Liner) Smooth Bore.
- HTSS5180 – Med. Wt. with Stainless Steel Liner (.018” Armor/.015” Liner) Smooth Bore.
- Ideal for hot air blower lines and material transfer/transport with pneumatic trailers, railcars and in-plant applications. See p. 3 for more applications.

Features and Benefits – Couplings

- Readily accepts our Kuriyama-Couplings[™] Threaded Hex **SWIVEL** Couplers and Adapters. (See p. 7)
- **SWIVEL** Couplers and Adapters make hose handling easier and help extend hose life!



The arrow tells it all! A curved or distorted arrow like this one shows that the hose has been twisted (torqued) and possibly damaged. This may have been prevented with the use of a swivel coupling!



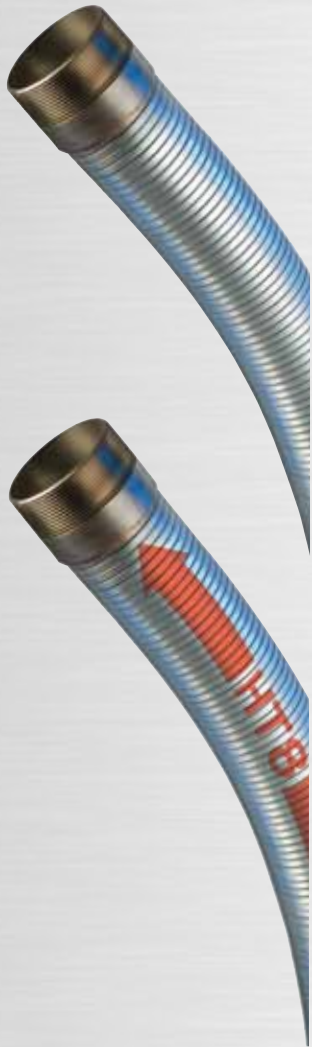
KAS-C Swivel Coupler and HTSS5180 Series Hose are shown above

- Also readily accepts our Kuriyama-Couplings[™] Aluminum and Stainless Steel Non-Swivel Quick-Acting Camlock Type-A Male Adapters and Type-D Female Couplers. (See p. 7)



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

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ROUGH BORE (UNLINED) HOSE - NOMINAL SPECIFICATIONS				
PART NUMBER	ID	OAL*	STRIP SERIES**	APPROX. WT. P/PC
S203X120STOE	3"	10'	4200	22 lbs
S203X144STOE	3"	12'	4200	26 lbs
S204X120STOE	4"	10'	4200	28 lbs
S204X144STOE	4"	12'	4200	33 lbs
S204X228STOE	4"	19'	4200	52 lbs
S204X234STOE	4"	19.5'	4200	53 lbs
S205X120STOE	5"	10'	4200	34 lbs
S205X228STOE	5"	19'	4200	61 lbs
S206X120STOE	6"	10'	4200	42 lbs

**NOTE: See p. 9 for strip thickness information on 4200 Series hoses.

SMOOTH BORE (LINED) HOSE - NOMINAL SPECIFICATIONS				
PART NUMBER	ID	OAL*	STRIP SERIES***	APPROX. WT. P/PC
SS154X228STOE	4"	19'	5150	67 lbs
SS184X072STOE	4"	6'	5180	24 lbs
SS184X120STOE	4"	10'	5180	38 lbs
SS184X144STOE	4"	12'	5180	45 lbs
SS184X180STOE	4"	15'	5180	56 lbs
SS184X210STOE	4"	17.5'	5180	65 lbs
SS184X228STOE	4"	19'	5180	70 lbs
SS184X300STOE	4"	25'	5180	92 lbs
SS185X180STOE	5"	15'	5180	75 lbs
SS185X228STOE	5"	19'	5180	93 lbs
SS185X240STOE	5"	20'	5180	98 lbs
SS186X120STOE	6"	10'	5180	62 lbs
SS186X156STOE	6"	13'	5180	79 lbs
SS186X180STOE	6"	15'	5180	90 lbs
SS186X228STOE	6"	19'	5180	112 lbs
SS186X300STOE	6"	25'	5180	146 lbs

***NOTE: See p. 11 for strip thickness information on 5150 and 5180 Series hoses.

*NOTE: OAL (overall length) of Metal-Hose-To-Go™ interlocked metal hoses refers to assembly lengths in the nominal "Natural-Lie" state. Due to the nature of interlocked metal hose, actual lengths may vary slightly. Hose Tec® factory representatives are available for additional information or questions (1-800-878-5501).



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

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Nominal Specifications

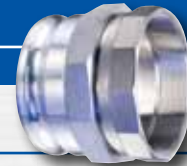
THREADED SWIVEL ALUMINUM FEMALE COUPLER WITH SS304 THREADED NPT INSERT

Part Number	Size	Weight Each (lbs.)	Standard Carton
KAS-C401	4"	5.20	1
KAS-C501	5"	6.53	1
KAS-C601	6"	10.49	1



THREADED SWIVEL ALUMINUM MALE ADAPTOR WITH SS304 THREADED NPT INSERT

Part Number	Size	Weight Each (lbs.)	Standard Carton
KAS-E401	4"	4.67	1
KAS-E501	5"	5.42	1
KAS-E601	6"	6.97	1



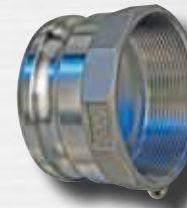
THREADED SWIVEL SS304 MALE ADAPTOR WITH SS304 THREADED NPT INSERT

Part Number	Size	Weight Each (lbs.)	Standard Carton
KSS-E401	4"	6.12	1
KSS-E501	5"	7.61	1
KSS-E601	6"	11.07	1



PART 'A' QUICK-ACTING MALE ADAPTOR x FEMALE NPT (NON-SWIVEL)

Part Number	Size	Weight Each (lbs.)	Standard Carton†
AL-A300	3"	0.70	35
SS304-A300	3"	2.16	8
SS-A300	3"	2.16	8
AL-A400	4"	1.58	20
SS304-A400	4"	2.88	6
SS-A400	4"	2.88	6
AL-A500	5"	1.75	4
SS304-A500	5"	4.30	4
SS-A500	5"	4.30	4
AL-A600	6"	2.95	15
SS304-A600	6"	6.00	2
SS-A600	6"	6.00	2



†Note: Couplings can be purchased individually also.

PART 'D' QUICK-ACTING FEMALE COUPLER x FEMALE NPT (NON-SWIVEL)

Part Number	Size	Weight Each (lbs.)	Standard Carton†
AL-D300	3"	1.80	20
SS304-D300	3"	3.82	8
SS-D300	3"	3.82	8
AL-D400	4"	2.16	10
SS304-D400	4"	5.14	6
SS-D400	4"	5.14	6
AL-D500	5"	3.42	4
SS304-D500	5"	8.00	4
SS-D500	5"	8.00	4
AL-D600	6"	4.24	10
SS304-D600	6"	10.06	2
SS-D600	6"	10.06	2



†Note: Couplings can be purchased individually also.

WHITE NEOPRENE (FDA) GASKETS FOR QUICK ACTING COUPLINGS

Part Number	Size	Weight Each (lbs.)	Standard Package
WN300	3"	0.042	10
WN400	4"	0.066	10
WN500	5"	0.094	10
WN600	6"	0.116	10



Note: For standard part "A" and "D" Quick-Acting Couplings, please refer to our separate Kuriyama-Couplings[™] full line catalog. Web: <http://www.kuriyama.com>

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.

HT4000 Series Rough Bore (Unlined) "Multi-Flex" Interlocked Metal Hose



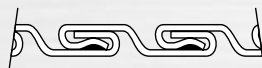
Interlocked construction provides a flexible metal hose that offers flexibility, strength and economy.

Construction:

- A single metal strip is formed to create a flexible interlocked metal hose that offers maximum flexibility and strength, as well as superior service life.
- Available in Galvanized steel and Series 300 Stainless steel construction, with strip thicknesses from .010" to .031".
- Choice of packing materials to suit most applications... see page 11.



Unpacked



Packed

Features:

- High strength construction.
- Temperature and corrosion-resistant.
- Flexible... can be formed and holds its shape, yet is easily moved.

Maximum Service Temperature:

- Galvanized steel: Up to 750°F
- Series 300 Stainless steel: Up to 1500°F

For questions regarding other Stainless steel material options please call Hose Technology at 1-800-878-5501.

Note: If utilizing packing material, service temperatures may vary. **See Page 11.**



Applications:

- Abrasive material handling
- BOP (Blow Out Protection) for hydraulic, cryogenic and other high pressure hoses
- Bulk unloading/loading (railcar/truck)
- Dry bulk transfer (railcar/truck/in-plant)
- Fly ash/soda ash handling
- Grain handling
- High temperature handling
- Hot air blower/suction
- Liner for corrugated/braided assemblies
- Protective armor/shielding for hoses
- Steam hose liner
- Truck exhaust/flexible tailpipe exhaust
- Vacuum trucks and equipment

Note: See p. 3 for more applications

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

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Nominal Specifications

Hose Size I. D. (Inches)	Light Weight		Lt. Med. Weight		Med. Weight		Heavy Weight		Extra Hvy. Weight	
	HTG4100 HTS4100 .010" - .012"		HTG4150 HTS4150 .013" - .016"		HTG4200 HTS4200 .017" - .020"		HTG4250 HTS4250 .023" - .026"		HTG4300 HTS4300 .027" - .031"	
	Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)	Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)	Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)	Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)	Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)
5/16	1.25	0.10	—	—	—	—	—	—	—	—
3/8	1.50	0.12	—	—	—	—	—	—	—	—
1/2	1.75	0.15	—	—	—	—	—	—	—	—
5/8	2.00	0.20	—	—	—	—	—	—	—	—
3/4	2.625	0.25	—	—	—	—	—	—	—	—
7/8	3.00	0.29	—	—	—	—	—	—	—	—
1	3.50	0.33	—	—	—	—	—	—	—	—
1 1/8	3.75	0.37	—	—	—	—	—	—	—	—
1 1/4	4.00	0.41	—	—	—	—	—	—	—	—
1 3/8	4.25	0.45	5.00	0.60	—	—	—	—	—	—
1 1/2	4.75	0.50	5.50	0.70	6.00	1.00	—	—	—	—
1 5/8	5.00	0.54	5.75	0.75	6.50	1.05	—	—	—	—
1 3/4	5.25	0.58	6.00	0.80	7.00	1.10	—	—	—	—
1 7/8	5.50	0.62	6.25	0.85	7.50	1.20	—	—	—	—
2	6.00	0.70	6.50	0.90	8.00	1.30	9.00	1.60	9.5	2.10
2 1/4	6.75	0.75	7.25	1.10	8.50	1.45	9.50	1.80	10.00	2.20
2 1/2	7.50	0.80	8.00	1.20	9.00	1.60	10.00	2.00	10.50	2.30
2 3/4	8.75	0.90	8.25	1.30	10.00	1.80	11.00	2.15	11.50	2.50
3	10.00	1.00	10.50	1.40	11.00	2.00	12.00	2.30	13.00	2.70
3 1/4	10.50	1.10	11.25	1.50	12.00	2.10	13.00	2.50	13.50	2.95
3 1/2	11.00	1.20	12.00	1.60	12.50	2.30	13.50	2.70	14.00	3.20
4	12.50	1.40	13.50	1.80	14.50	2.60	15.00	3.10	15.50	3.60
4 1/2	14.00	1.50	15.00	2.00	16.00	2.90	17.00	3.50	18.00	4.10
5	15.00	1.70	16.00	2.30	17.00	3.00	18.00	3.90	19.00	4.50
5 1/4	16.00	1.80	17.25	2.40	18.00	3.15	19.5	4.10	20.50	4.75
5 1/2	17.50	1.90	18.50	2.50	19.50	3.30	21.00	4.30	22.00	5.00
6	20.00	2.00	21.00	2.70	22.00	3.60	23.50	4.70	25.00	5.40
6 1/4	20.50	2.10	21.50	2.80	23.00	3.75	24.50	4.90	26.00	5.60
6 1/2	21.00	2.20	22.00	2.95	23.50	3.90	25.00	5.10	26.50	5.80
7	22.00	2.40	23.00	3.20	25.00	4.20	26.50	5.50	28.00	6.30
7 1/4	23.00	2.50	23.75	3.30	26.00	4.30	27.50	5.70	29.00	6.50
7 1/2	24.00	2.60	24.50	3.40	26.50	4.40	28.00	5.85	29.50	6.75
8	25.00	2.70	26.00	3.60	28.00	4.70	29.50	6.20	31.00	7.20
9	—	—	28.25	4.05	30.50	5.30	32.00	6.60	34.00	7.60
9 1/2	—	—	29.50	4.25	31.50	5.60	33.50	6.80	35.50	7.80
10	—	—	30.50	4.50	32.50	5.90	34.50	7.00	37.00	9.00
11	—	—	33.00	5.00	35.50	6.50	37.50	7.40	39.50	9.90
11 1/4	—	—	33.75	5.10	36.00	6.60	38.00	7.50	40.50	10.20
11 1/2	—	—	34.50	5.20	37.00	6.75	38.50	7.60	41.50	10.40
12	—	—	36.00	5.40	38.00	7.00	40.00	7.80	42.00	10.80
14	—	—	50.00	6.30	53.00	8.10	55.00	9.40	57.50	12.60
16	—	—	—	—	60.50	9.20	62.50	11.00	75.00	14.40

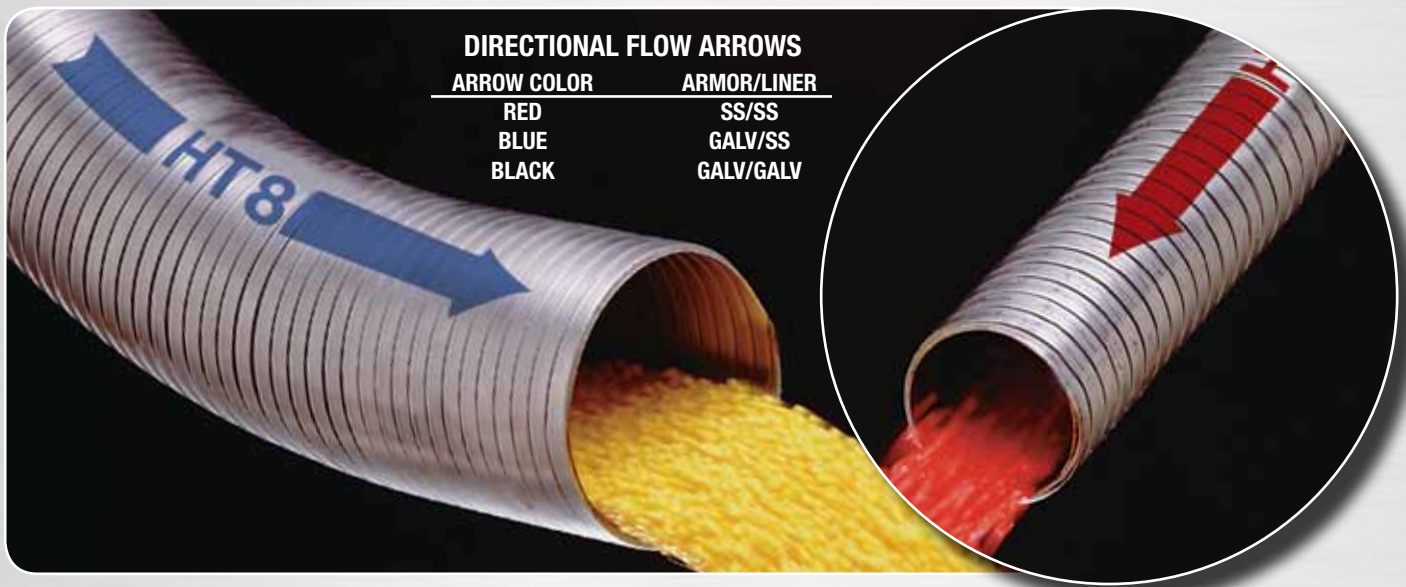
NOTE: Standard lengths are 25 ft. and 50 ft. coils, **WHEN FULLY EXTENDED;** other lengths available on request.

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.

HT5000 Series Smooth Bore (Lined) "Smooth Flow" Interlocked Metal Hose

HOSE TEC® **TOUGH**
METAL HOSE™



DIRECTIONAL FLOW ARROWS

ARROW COLOR	ARMOR/LINER
RED	SS/SS
BLUE	GALV/SS
BLACK	GALV/GALV

HT5000's Smooth Bore Interlocked Metal Hose combines the Hose Tec® single-strip interlocking armor construction with a second strip liner, providing a smooth interior flexible metal hose that resists material build-up; reduces internal abrasion and material degradation. Materials flow smoothly in one direction shown by arrows.

Construction:

- An armor strip is combined with a strip of liner material and formed to create a lined flexible interlocked metal hose that offers superior strength and abrasion-resistance for longer hose life.
- Available with Galvanized steel or Series 300 Stainless steel armor construction, with either Galvanized or Series 300 Stainless steel liner, in a variety of strip thicknesses.

Features:

- Directional flow arrows are provided on each length.
- Galvanized or Stainless steel liner provides additional strength and greater resistance to abrasion; extends hose life.
- Smooth liner reduces material degradation and improves loading/unloading time.
- Provides maximum flow rates for pneumatic conveying applications.

Applications:

- Abrasive material handling
- Bulk unloading/loading (railcar/truck)
- Dry bulk transfer (railcar/truck/in-plant)
- Grain handling
- Plastic pellet transfer

Note: See p. 3 for more applications

Maximum Service Temperature:

- Galvanized steel: Up to 750°F
- Series 300 Stainless steel: Up to 1500°F

Note: If utilizing packing material, service temperatures may vary.
See Page 11.

For questions regarding other Stainless steel material options please call Hose Technology at 1-800-878-5501.



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Nominal Specifications

Hose Size I.D. (inches)	HT5150 Series Lt. Wt. Armor/Lt. Wt. Liner .015" Armor/015" Liner		HT5180 Series Med. Wt. Armor/Lt. Wt. Liner .018" Armor/015" Liner		HT5250 Series Hvy. Wt. Armor/Med. Wt. Liner .025" Armor/018" Liner	
	HTGG – Galv. Armor/Galv. Liner HTGS – Galv. Armor/SS Liner HTSS – SS Armor/SS Liner		HTGG – Galv. Armor/Galv. Liner HTGS – Galv. Armor/SS Liner HTSS – SS Armor/SS Liner		HTSS – SS Armor/SS Liner	
	Minimum Inside Bend Radius (in.)	Weight per foot (lbs.)	Minimum Inside Bend Radius (in.)	Weight per foot (lbs.)	Minimum Inside Bend Radius (in.)	Weight per foot (lbs.)
1½	5.625	1.10	6.00	1.50	—	—
1¾	6.50	1.35	7.00	1.70	—	—
2	7.50	1.60	8.00	1.90	—	—
2¼	8.50	1.90	9.50	2.10	—	—
2½	9.50	2.10	10.50	2.30	—	—
2¾	10.50	2.30	12.50	2.50	—	—
3	11.50	2.50	14.00	2.80	17.50	3.75
3½	13.50	2.90	15.00	3.20	18.50	4.35
4	15.00	3.40	16.00	3.60	19.50	5.10
4½	17.00	3.75	18.50	4.00	22.00	5.40
5	18.50	4.10	20.50	4.70	24.00	5.60
6	22.00	4.90	24.50	5.60	30.00	6.25
7	26.50	5.80	29.00	6.60	34.00	7.80
8	30.50	6.60	31.50	7.70	37.00	8.80
10	—	—	39.50	9.70	43.00	11.00
12	—	—	47.00	11.70	52.00	13.00
14	—	—	55.00	13.50	60.00	15.50
16	—	—	63.00	15.00	69.00	18.00

NOTE: Standard coil length is 25 ft., **WHEN FULLY EXTENDED**; other lengths available on request.

Packing Selections — for lined & unlined interlocked flexible metal hose

Note: Metal Hose service temperature may vary due to choice of packing material used.

**Rough Bore (Unlined)
Interlocked Hose**



Packed



Unpacked

**Smooth Bore (Lined)
Interlocked Hose**



Packed



Unpacked

Packing Material	Temperature	Pressure	Vacuum
Cotton Cord	To 300° F.	To 15 PSI	To 15" Mercury
Apyrous (Hi Temp)	To 700° F.	To 15 PSI	To 15" Mercury
Gas Tight (Elastomeric)	To 180° F.	To 20 PSI	To 20" Mercury
Silicone	To 500° F.	To 20 PSI	To 20" Mercury
S. S. Wire	To 1500° F.	To 15 PSI	To 15" Mercury



NOTE: Packings are NOT recommended for most hose applications. Check with Hose Technology at: 1-800-878-5501.

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

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HT1100 Series Flexible "Floppy Guard" Interlocked Metal Hose



For interlocked metal hose applications requiring a more flexible hose, HT1100's unique floppy-type construction allows maximum flexibility.

Construction:

- A single metal strip is loosely interlock-wound to create an extremely flexible interlocked metal hose.
- Available in Galvanized steel and Series 300 Stainless steel.

Features:

- Extremely flexible and light weight.
- Wide range of operating temperatures.
- Available in mill run and special cut lengths.

Applications:

- Bend restrictor
- Beverage dispenser hose armor
- BOP (Blow Out Protection) for hydraulic, cryogenic and other high pressure hoses
- Protective armor/shielding for hoses
- Shielding for wiring

Maximum Service Temperature:

- Galvanized steel: Up to 750°F
- Series 300 Stainless steel: Up to 1500°F

For questions regarding special lengths or other Stainless steel material options please call Hose Technology at 1-800-878-5501.

Catalog Series Numbers:

HTG1100 — Galvanized — .010" – .012" strip thickness

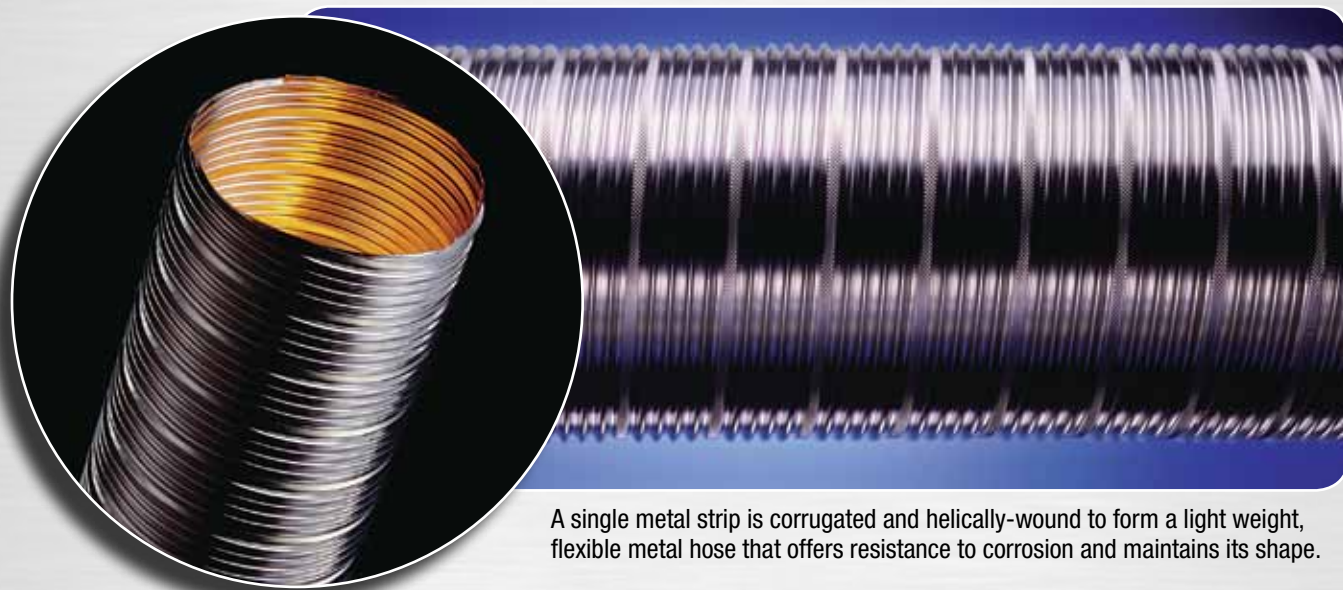
HTS1100 — Series 300 Stainless steel — .010" – .012" strip thickness

Nominal Specifications

Hose Size I. D. (In.)	HTG1100/HTS1100		Hose Size I. D. (In.)	HTG1100/HTS1100	
	Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)		Min. Inside Bend Radius (in.)	Wt. per foot (lbs.)
3/16	0.75	.08	1 1/8	4.50	.32
1/4	1.00	.10	1 1/4	5.00	.36
5/16	1.25	.12	1 3/8	5.50	.42
3/8	1.50	.14	1 1/2	6.00	.48
1/2	2.25	.16	1 5/8	6.50	.52
5/8	2.75	.18	1 3/4	7.00	.58
3/4	3.00	.20	1 7/8	7.50	.62
7/8	3.50	.23	2	8.00	.66
1	3.75	.28	2 1/4	9.50	.76

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

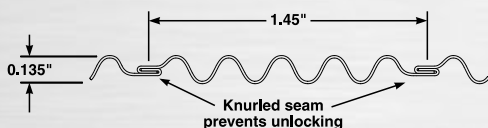
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A single metal strip is corrugated and helically-wound to form a light weight, flexible metal hose that offers resistance to corrosion and maintains its shape.

Construction:

- 316L Stainless steel.
- Aluminum.



Features:

- Good air-handling characteristics . . . low friction loss and minimal air leakage.

Applications:

- Dust/fume collection
- Hot air ducting
- Industrial dryer vents
- Spot cooling/air conditioning ducting

Note: See p. 3 for more applications

Maximum Service Temperature:

- Aluminum: Up to 600°F
- 316L Stainless steel: Up to 1500°F

Nominal Specifications

Hose Size I. D. (Inches)	Series and Strip Thickness			
	HTA3008 .007" – .008" Aluminum		HTS3007 .006" – .007" SS	
	Minimum Inside Bend Radius (in.)	Weight per foot (lbs.)	Minimum Inside Bend Radius (in.)	Weight per foot (lbs.)
3	2.25	.15	3.00	.40
4	3.00	.20	4.00	.50
5	3.75	.25	5.00	.63
6	4.50	.28	6.00	.75
7	5.25	.33	7.00	.86
8	6.00	.38	8.00	1.00
9	6.75	.40	9.00	1.15
10	7.50	.45	10.00	1.27
12	9.00	.54	12.00	1.50
14	10.50	.63	14.00	1.73
16	12.00	.72	16.00	2.00
18	—	—	18.00	2.30
20	—	—	20.00	2.50
22	—	—	22.00	2.75
24	—	—	24.00	3.00

NOTE: Standard coil length is 25 ft., **WHEN FULLY EXTENDED;** other lengths available on request.

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Agriculture — Grain handling/chutes/vac systems, feed trucks.

Brewery — Grain handling offloading railcar/in-plant.

Chemical — Dry bulk resin handling offloading railcars/bulk trucks/in-plant, fume exhaust.

Chimney — Relining chimneys.

Cryogenics — Armor for transfer hoses.

Environmental/Industrial Clean-Up — Dry material handling for power plants, steel mills, fly ash, soda ash, lime powder.

Food Processing — Dry bulk handling, protective armor on hot water lines.

Government — Fresh air/air conditioning ducting for ship maintenance.

Mining — Dry bulk handling, lime, trona. Ducting/venting/exhaust lines.

OEM — Air/Gas/Liquid/Material handling, armor guard, bend restrictor, wire guides.

Oil Field — BOP lines, heater hoses, dry bulk handling, frac sand trucks.

Petro-Chemical — Dry resin handling offloading railcars/bulk trucks/in-plant.

Plastics — Transfer/transport of pellets, resins with railcars/bulk trucks/in-plant.

Plating — Fume removal.

Shipyards — Maintenance ducting lines for fresh air/air conditioning.

Steel Mills — Hot material clean-up, protective armor, ducting/venting, cooling plate armor.

Textile Mills — Dust/lint control.

Trucking — Dry bulk drop hoses, vacuum hoses, flexible exhaust connectors, hot air blower hoses.

Welding — Fume exhaust.

Woodworking — Dust/chip control.

Note: For Chimney applications please contact Hose Technology at 800-878-5501 for assistance.

While this is a list of industries and common uses within the industry, there are still many more that are not listed here. The type of metal hose used in these industries could be either interlocked hose or corrugated hose.

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HOSE TECHNOLOGY

PRODUCTS & SERVICES



HOSE TEC[®] **TOUGH**
METAL HOSE



Repair Services

- In many cases, expensive hose replacements are not needed.
- Let Hose Technology repair your current hoses instead.



The professional and courteous engineering staff at Hose Technology is available to assist with all of your custom fabrication design and manufacturing.

Interlocked Hose Assemblies With Welded Swivel Fittings

- Swivel fittings offer easier handling of hoses.
- Extend hose life by reducing damage caused by torquing, or twisting of the hose.



Epoxy/Bolt Connection

- Two bolts along with epoxy are used to secure fitting onto an interlocked hose assembly.
- Provides extra measure of security when fastening.



Interlocked Hose with Stainless Steel Tube End Welded On.

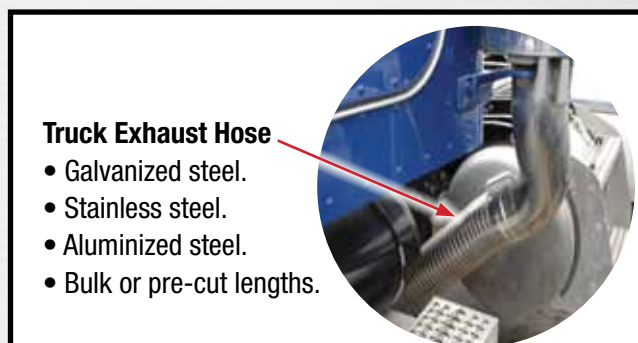


Interlocked Hose with Aluminum Tube End Fastened With Epoxy



Aluminum Interlocked Hose

- All aluminum, lightweight, interlocked hose.
- For ducting or light duty material handling.



Truck Exhaust Hose

- Galvanized steel.
- Stainless steel.
- Aluminized steel.
- Bulk or pre-cut lengths.

CALL HOSE TECHNOLOGY AT 1-800-878-5501 FOR MORE INFORMATION

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.

All braided hose assemblies fabricated and tested to customer requirements.

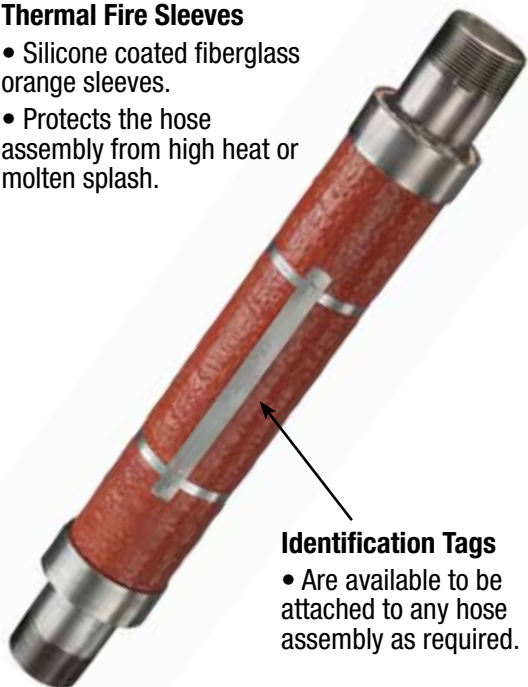
Interlocked And Corrugated Hose Assemblies

- Manufacturing and full fabrication services available to assist with all of your hose assembly requirements.



Thermal Fire Sleeves

- Silicone coated fiberglass orange sleeves.
- Protects the hose assembly from high heat or molten splash.



Identification Tags

- Are available to be attached to any hose assembly as required.

Corrugated Hose Assembly with Interlocked Hose Liner

- Liner is used to help protect the hose corrugations.
- Eliminates material build-up and reduces damage caused by abrasion.



Jacketed/Tracer Assemblies

- Hose-within-a-hose assembly.
- Keeps media at very high or low temps; good with very high viscosity materials.



Square/Rectangle Hose

- Used for specialty applications.
- OEM use where the shape of the hose is critical.



Chimney Liner

- Offered in many shapes.
- These hoses are used in re-lining existing chimneys
- See "note" on page 14.



CALL HOSE TECHNOLOGY AT 1-800-878-5501 FOR MORE INFORMATION

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Abrasion — Scuffing, rubbing or wear of a hose or braid surface.

Ambient Conditions — The surrounding environment to which a hose assembly is subjected. This includes temperature, corrosion and abuse conditions.

Annular — With reference to the convolution form, meaning independent corrugations straight and parallel.

Armor — Flexible interlocked tubing placed over the entire length or in short lengths at the ends of a metal hose to protect it from physical damage and to limit bending.

ASME — American Society of Mechanical Engineers.

Bend Radius — The centerline radius of a hose in a bent condition.

Braid — A flexible metal sheath surrounding metal hose that prevents the hose from elongating under pressure. Braid is composed of a number of wires wrapped helically around the hose while at the same time going over and under each other in a basket weave fashion.

Compressed — Interlocked hose in its completely closed state.

Extended — Interlocked hose in its completely open state.

Fatigue — The process of failure in a metal hose associated with motion or pressure.

Floppy Interlock — Constructed for maximum flexibility.

Helical — With reference to the convolution form, meaning one single convolution generated along the axis of the tube in a manner similar to a screw thread.

Interlocked Hose — Formed from profiled strip and would into flexible metal tubing with no subsequent welding, brazing, or soldering. May be made pressure tight by winding in strands of packing.

Intermittent Bend Radius — The designation for a radius used for non-continuous operation. Usually in an elastic radius.

Loose Wound Interlock — Loosely wound interlocked hose. Will not hold its shape.

Minimum Bend Radius — The smallest radius to which a hose is permitted to be bent, generally applicable only to static conditions. Sometimes referred to as static bend radius.

Natural Lie (Relaxed) — Interlocked hose halfway between the compressed and extended state.

Offset — A condition wherein the ends of a hose are displaced laterally with respect to each other with the ends being in parallel planes. Sometimes referred to as lateral offset, shear, or parallel offset.

Operating Conditions — The designation of pressure, temperature, motion media and environment. Used interchangeably with “application.”

Packing — Material inserted into the windings of interlocked hose to make it less susceptible to leaking.

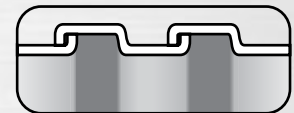
Pressure — The internal hydraulic or pneumatic force applied to a metal hose.

Rough Bore — Interlocking metal hose that allows movement of media in either direction. (Unlined)

Smooth Bore — Interlocking metal hose that uses an additional strip to create a smooth transition of media in one direction only. (Lined)

Square Cutting — Cutting the end of a metal hose so that the end will be completely flush with a fitting for attaching.

Squarelocked Hose — Flexible metal hose that is not mechanically locked together.



Standard Interlock — Flexible interlocked hose that offers flexibility, strength and service life.



Torque — A force that produces rotation on an interlocked hose.

Vacuum — Negative pressure or suction.

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All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

Kuriyama of America, Inc. ("Seller") does not recommend the Products for any particular purpose, use or application, and the Purchaser or user thereof shall assume full responsibility for the suitability, propriety, use and application of the Products. Purchaser shall follow all instructions contained in Seller's catalogs, brochures, technical bulletins and other documents regarding the Products. The Products, including but not limited to, hose, tubing or couplings, may fail due to the use or conveyance of substances at elevated or lowered temperatures or at excessive pressure, the conveyance of abrasive, injurious, flammable, explosive or damaging substances.

Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

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

Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions.

ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER OR THE MANUFACTURER OF THE PRODUCT BE

LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF SELLER AND/OR THE MANUFACTURER OF THE PRODUCT, UNLESS SPECIFICALLY PROVIDED HEREIN. IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE, OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS, AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED, REWORKED BY ANYONE NOT APPROVED BY SELLER, OR USED IN ANY MANNER INCONSISTENT WITH THE PROVISIONS OF THE "CAUTIONARY STATEMENT" ABOVE OR ANY INSTRUCTIONS OR SPECIFICATIONS PROVIDED WITH OR FOR THE PRODUCT.

09/2005

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CONTACT OUR SALES/WAREHOUSE LOCATIONS BELOW WHICH SERVE YOUR AREA

SOUTHWEST WAREHOUSE KURIYAMA OF AMERICA, INC. HOUSTON

8919 MARKET ST.
HOUSTON, TX 77029
Phone: (713) 674-8212
Toll Free Phone: (800) 501-6808
FAX: (713) 674-5214
Toll-Free FAX: (800) 800-5214

WESTERN WAREHOUSE KURIYAMA OF AMERICA, INC. SANTA FE SPRINGS

10749 SHOEMAKER AVENUE
SANTA FE SPRINGS, CA 90670-4039
Phone: (562) 941-4507
FAX: (562) 941-8940
Toll-Free FAX: (800) 326-8940

SOUTHEAST WAREHOUSE FORTNEY SALES CO., INC.

1580 BIG SHANTY DR NW
KENNESAW, GA 30144-7040
Phone: (770) 427-6528
FAX: (770) 423-9249
Toll-Free FAX: (800) 423-9249
Web Site: www.fortneysales.com
E-Mail: sales@fortneysales.com

EASTERN WAREHOUSE EASTERN RUBBER & PLASTICS CO., INC.

RT. 537 – PLUMSTED INDUSTRIAL PARK
NEW EGYPT, NJ 08533-0248
Phone: (609) 758-0100
FAX: (609) 758-0102
Toll-Free FAX: (800) 445-7138
Web Site: www.easternrubber.com
E-Mail: sales@easternrubber.com

MEXICO WAREHOUSE

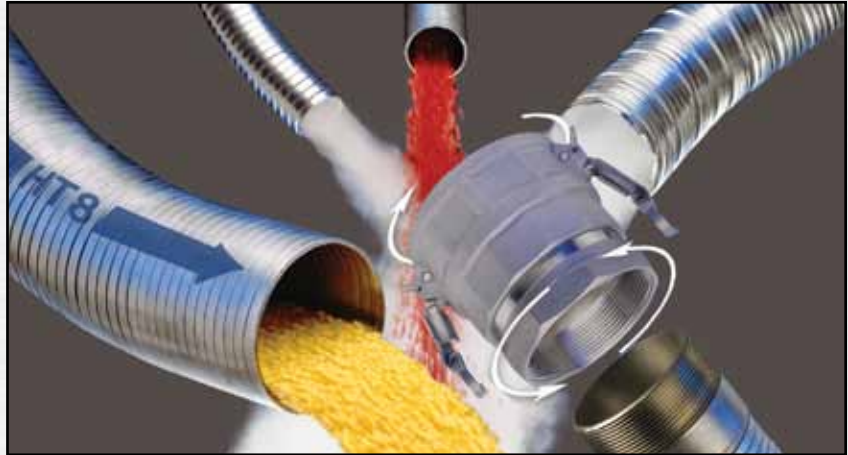
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Carretera Miguel Alemán Km. 14.8
Parque Industrial Hasna
Apodaca (Monterrey), N.L., 66600, Mexico
Tel: (81) 1086-1870 o 71
Toll-Free (within Mexico): 01-800-822-52-00
FAX: (81) 1086-1869
Internet: www.kuriyama.com
Correo Electronico: ventas@kuriyama.com

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FAX: (765) 762-5502
Toll-Free FAX: (800) 879-8232
E-Mail: sales@hosetec.com
Web: <http://www.hosetec.com>

About Hose Technology...



Hose Technology is dedicated to manufacturing the highest quality flexible metal hose, delivered quickly and competitively priced.

Our plant is centrally located in the Midwest to provide fast delivery, and has been designed solely for the efficient manufacture of flexible metal hose and ducting.

Hose Technology's standard Hose Tec® Brand products are being inventoried in all Kuriyama warehouses.

We pride ourselves on our ability to meet our customer's individual needs. Whether you need a special length, special diameter, special materials of construction, special fittings, or just special handling, don't hesitate to ask!

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www.kuriyama.com
on the Web!



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