

HOSE TEC[®] FLEX[™]

INDUSTRIAL METAL HOSE
by Kuriyama

Introducing

TecFlex[™]

Putting the *Flex* in Metal Hose[™]



See the difference! Up to 25% more flexible than lined metal hose. The characteristics of smooth bore in a single strip!*

 **KURIYAMA**
OF AMERICA, INC.



*Patent Pending

EDITION 1020

TecFlex™

HT-FLEX™ Series

Interlocked Metal Hose

General Applications:

- Dry bulk truck and railcar unloading
- Dry powder/fly ash
- High temperature/low leak ventilation
- Grain handling
- Plastic pellet transfer

Construction:

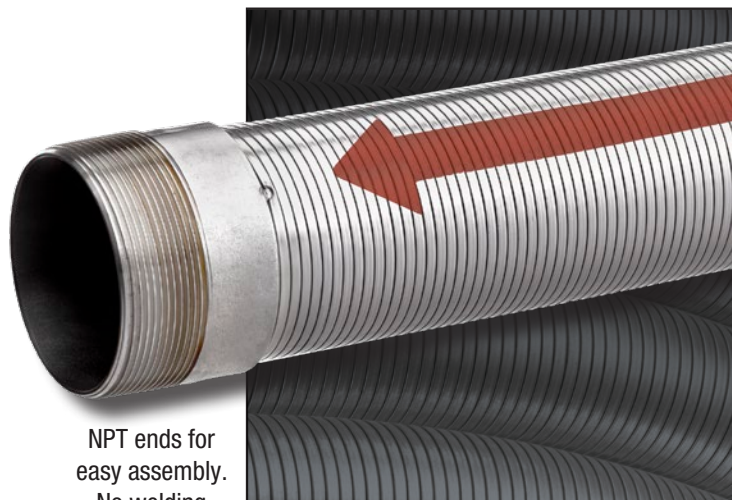
A specially wound single strip of 304 Stainless Steel with TOE (NPT) threads on both ends. Patent Pending.

Max. Service Temperature:

+1,500°F (+816°C)

Features and Advantages:

- **Abrasion Resistant** – Smooth inner liner similar to that of lined metal hose, resists damage from abrasive materials.
- **Highly Flexible** - Minimum bend radius up to 25% better than lined metal hose.
- **Leak Resistant** – Leak rate of less than half of lined metal hose. Doesn't require packing that makes other hoses less flexible.



NPT ends for
easy assembly.
No welding
required.



**MADE IN THE
USA**

- **Smooth Bore** – Reduces degradation of the transferred materials and improves flow rates. Helps prevent “angel hairing”.
- **Corrosion Resistant** – Suitable for outdoor use where the hose is exposed to the elements.
- **Heat Resistant** – Withstands very high temperatures allowing for the transfer of hot materials. (Not for use with hot tar and asphalt applications.)

Nominal Specifications

Series Number	Hose Size ID (in)	Min. Bending Radius (in)	Weight* (lbs/ft)
HT-FLEX250	2 1/2	7.50	0.75
HT-FLEX300	3	8.25	0.84
HT-FLEX350	3 1/2	10.50	1.10
HT-FLEX400	4	11.75	1.65
HT-FLEX450	4 1/2	12.50	2.00
HT-FLEX500	5	13.00	2.31
HT-FLEX600	6	18.00	3.00
HT-FLEX800	8	25.00	4.10

* In extended state

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

Build Your Own TecFlex™ Assembly



Tec Flex Toe Assemblies

Part Number	ID (in)	Length* (ft)	Min. Bending Radius (in)	Weight (lbs/ea)
HT-FLEX250x10TOE	2 1/2	10	7.5	11.5
HT-FLEX300X10TOE	3	10	8.3	12.9
HT-FLEX400X10TOE	4	10	11.8	21.5
HT-FLEX400X15TOE	4	15	11.8	29.8
HT-FLEX400X20TOE	4	20	11.8	38.0
HT-FLEX400X25TOE	4	25	11.8	46.3
HT-FLEX500X10TOE	5	10	13.0	28.6
HT-FLEX500X20TOE	5	20	13.0	52.2
HT-FLEX600X10TOE	6	10	18.0	36.0
HT-FLEX600X20TOE	6	20	18.0	66.0
HT-FLEX800X10TOE	8	10	25.0	47.0
HT-FLEX800X20TOE	8	20	25.0	88.0

* In "natural lie" state

No Welding Required!

Create your own assembly in three easy steps.

Other sizes and lengths available, call for pricing.

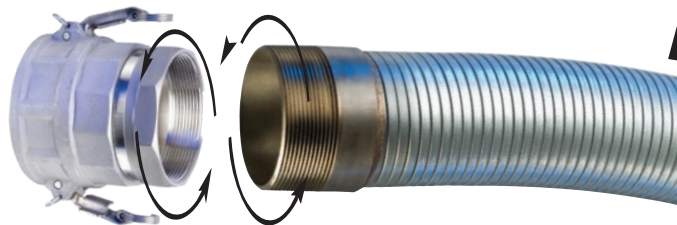
1. Select your hose

2. Select your couplings

3. Thread together and done!



Create your own Tec Flex Assemblies



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Part A Male Adapter x Female NPT

Part Number	Material	Size (in)	Weight (lbs/ea)
AL-A250	Aluminum	2 1/2	0.58
AL-A300	Aluminum	3	0.70
AL-A400	Aluminum	4	1.58
AL-A500	Aluminum	5	1.74
AL-A600	Aluminum	6	2.95
AL-A800	Aluminum	8	7.58
SS304-A250	304 Stainless	2 1/2	1.76
SS304-A300	304 Stainless	3	2.16
SS304-A400	304 Stainless	4	2.88
SS304-A500	304 Stainless	5	4.30
SS304-A600	304 Stainless	6	6.00
SS-A250	316 Stainless	2 1/2	1.76
SS-A300	316 Stainless	3	2.16
SS-A400	316 Stainless	4	2.88
SS-A500	316 Stainless	5	4.30
SS-A600	316 Stainless	6	6.00



Part D Female Adapter x Female NPT

Part Number	Material	Size (in)	Weight (lbs/ea)
AL-D250	Aluminum	2 1/2	1.18
AL-D300	Aluminum	3	1.80
AL-D400	Aluminum	4	2.16
AL-D500	Aluminum	5	3.42
AL-D600	Aluminum	6	4.24
AL-D800	Aluminum	8	9.50
SS304-D250	304 Stainless	2 1/2	3.12
SS304-D300	304 Stainless	3	3.82
SS304-D400	304 Stainless	4	5.14
SS304-D500	304 Stainless	5	8.00
SS304-D600	304 Stainless	6	10.06
SS-D250	316 Stainless	2 1/2	3.12
SS-D300	316 Stainless	3	3.82
SS-D400	316 Stainless	4	5.14
SS-D500	316 Stainless	5	8.00
SS-D600	316 Stainless	6	10.06



THREADED SWIVEL ALUMINUM FEMALE COUPLER X SS304 THREADED NPT

Part Number	Size (in)	Weight (lbs/ea)
KAS-C401	4	5.20
KAS-C501	5	6.53
KAS-C601	6	10.49



THREADED SWIVEL SS304 MALE ADAPTOR X SS304 THREADED NPT

Part Number	Size (in)	Weight (lbs/ea)
KSS-E401	4	6.12
KSS-E501	5	7.61
KSS-E601	6	11.07



THREADED SWIVEL ALUMINUM MALE ADAPTOR X SS304 THREADED NPT

Part Number	Size (in)	Weight (lbs/ea)
KAS-E401	4	4.67
KAS-E501	5	5.42
KAS-E601	6	6.97

Swivel couplings reduce stress near connection points.

Helps eliminate hose twisting and deforming known as “barber poling.” →



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What is TecFlex[™]?

Tec Flex is a dramatic evolution in strip wound metal hose, providing the flexibility and lighter weight of unlined hose with the durability and smooth bore of lined hose.

For decades, strip wound metal hose remained relatively unchanged: unlined hose was lighter and more flexible, but not as durable, whereas lined hose was more durable, but cumbersome and difficult to work with. The Tec Flex Hose bridges this gap.



Using only a single liner, Tec Flex Hose replicates smoothness characteristics similar to lined hose. In addition to increasing hose durability, this also helps protect the transferred material from becoming damaged by, or stuck in, the hose's interior convolutions, protecting the material from damage and reducing the potential for cross contamination. In addition, the Tec Flex design provides a superior seal, eliminating the need for the addition of packing materials, which can make lined hoses even heavier and less flexible.

Performance Comparison			
Characteristic*	Tec Flex	Lined	Unlined
Bend Radius (in)	11.75	16.0	14.50
Weight (lbs/ft)	1.8	3.6	2.6
Leak Rate (4.5 psi)	< 0.2 cfm	< 0.5 cfm or greater	2 cfm or greater

* Using 4" stainless steel interlock hose

Tec Flex has a tighter minimum bend radius, is lighter weight and has a lower leak rate than lined and unlined metal hose.



Lighter weight for worker safety: reduces heavy lifting injuries!

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CONTACT OUR SALES/WAREHOUSE LOCATIONS BELOW WHICH SERVE YOUR AREA

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E-Mail: sales@fortneysales.com

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Toll Free FAX: (800) 445-7138
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E-mail: sales@kuritec.com



Hose Tec 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 Tec'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!

PLANT AND WAREHOUSE LOCATION

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