

A photograph of a complex industrial facility, likely a refinery or chemical plant. The structure is composed of multiple levels of steel platforms and walkways, all equipped with bright yellow safety railings. Large, thick black hoses are coiled and run across the structure. The background shows a clear blue sky with some light clouds. The overall scene conveys a sense of industrial scale and complexity.

# TOWNIFLEX™ Flexible Rubber Hose

**TOWNLEY**

Engineering & Manufacturing Co., Inc.



## Wear Solutions

Townley offers a large selection of flexible material handling hose configurations for the toughest slurry applications.

Especially suited for suction or discharge service in:

- **Mining:** Hydro-transport of matrix to the mill circuits, in-plant processing and tailings discharge
- **Power Plants:** Ball mill chutes, scrubber recycle pumps, bottom ash transport, and FGD Circuits
- **Dredging:** Sand, gravel mines, and off-shore reclaim

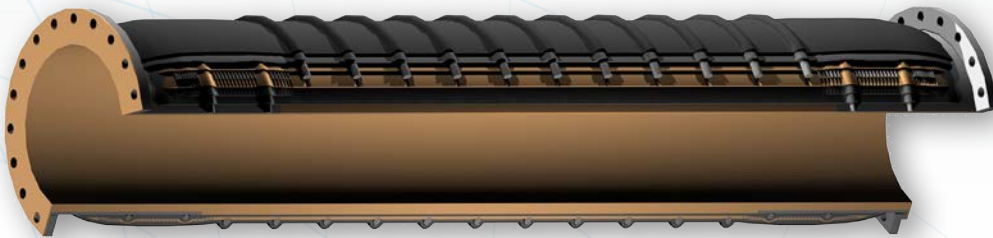
**Towniflex™** hoses are the best solution for controlling expansion, contraction of pipe runs, reducing vibration, lessening noise at the pump, terrain following, and moving materials to various process elevation changes. All with extreme wear resistance and ease of use.





## Integrity

One of the most critical aspects of construction is hose integrity. Townley uses a unique integrated nipple design that utilizes lock-in rings. The nipples are united with the hose with heavy gauge wire latching through and between the rings, then fully bonded with rubber. The hose is hand built with the appropriate wear tube for various types of service, using alternating layers of fabric, rubber and reinforcement wire. The final assembly is vulcanized under pressure resulting in a homogeneous, high quality finished product that will wear well for a very long time.



**TOWNLEY**

Engineering & Manufacturing Co., Inc.





## Quality

### People - Materials - Construction

Our custom rubber products are manufactured in our all new 80,000 square foot facility making us one of the largest hose manufacturers in this part of the world. Using the finest materials available from North America, our skilled craftsmen hand build every hose to your exact specifications and requirements.

***An American made product, built with pride!***





## Material Handling Hose Styles

**Utility** – The **Series 6000** is the Flagship of the hose line with the best utility for most applications. This medium duty hose is available in lengths up to 5-50 feet and 3-40" ID. With excellent flexibility for discharge duty and light suction, this hose can handle up to 150 PSI operating pressure.

**Heavy Duty** – For higher pressure ratings and field piping, our **Mining-Flex** is considered the workhorse of mine sites both for Matrix or transport from the "face of the mine" to the plant and tailings discharge circuits. Designed for 150-300 PSI operating pressures.

**Heavy Duty Flex** – When faced with severe bending, the **Super-Mining-Flex** also known as "Flex-pipe" by our customers would be a great choice.. The ring design enables flexing with a maximum bend radius of 7 times the ID without deforming or crimping the wear tube, especially valuable for severe terrain following. Designed for 150-300 PSI operating pressures.

**Suction** – For in-plant use, the heavily wire reinforced **Series 1000** hose is the perfect choice for pump suction service available in shorter lengths for this dedicated application.

**Self-Floating** – For dewatering applications or off-shore dredging discharge service our **Floating-Hose** is a great choice. This style hose is constructed similarly to the Mining Flex with additional external closed cell flotation layers. While somewhat limited in flexing, most customers join the rigid hose with shorter lengths of more flexible hose.

**Special Use** – For low pressure gravity feed, higher pressure applications, wear tube selection, flange styles, taps, drains or lifting lugs please contact our Towniflex™ engineering department for assistance with your particular specifications.



**TOWNLEY**

Engineering & Manufacturing Co., Inc.



The background image is a composite of two industrial scenes. The left side shows a close-up of a large, dark, flexible industrial hose connected to a metal flange and pipe system, with various structural beams and other pipes visible in the background. The right side shows an outdoor industrial site with several workers in orange safety vests and white hard hats standing near a large piece of machinery that has three large black horizontal rollers. A yellow umbrella is visible in the background of this scene.

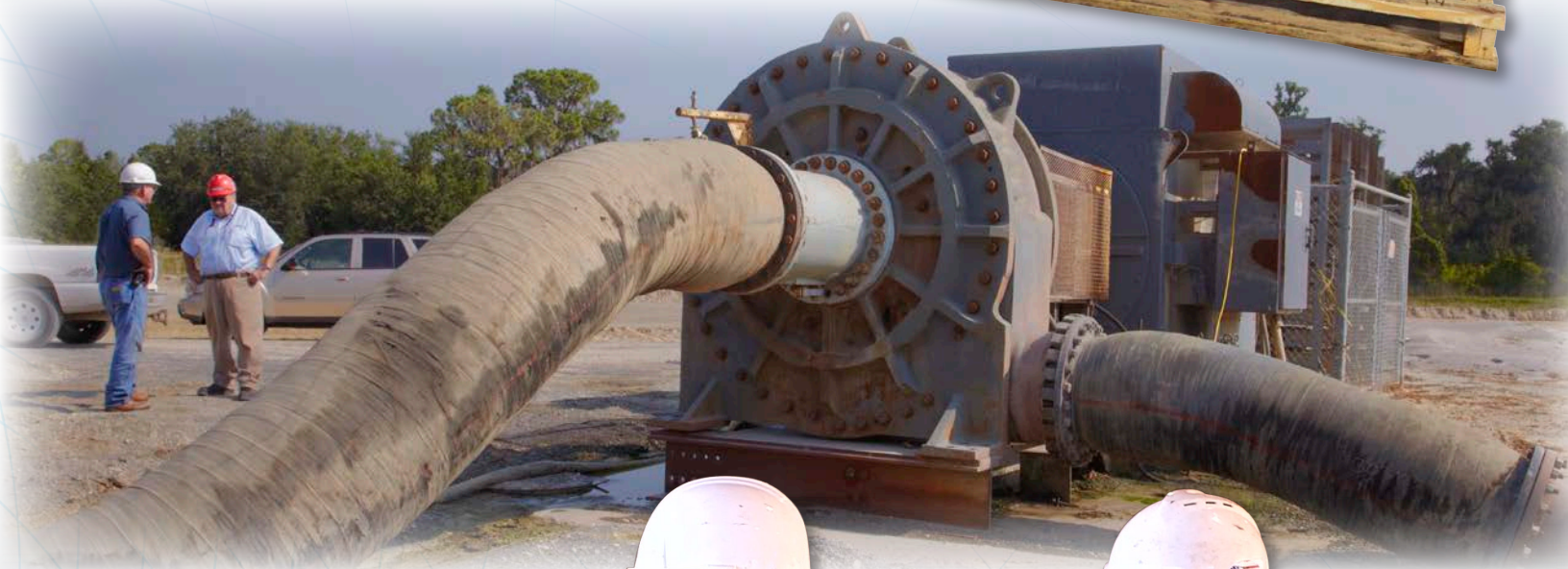
## Typical Applications

- Transport of slurry solids to the plant
- Suction and discharge of pit pumps, booster pumps, in-plant pumps and tailings pumps
- Dredging for sand & gravel mines and off-shore reclaim
- Cyclone underflow reject return to mill
- Buffering pump vibration
- Minimize the impact of terrain in rigid piping runs
- Simplify metal piping runs
- Reduce number of fittings
- Submersible pump discharge
- Ball mill feed chutes



## Delivery and Service

Working directly with our customers, our in-house manufacturing capability allows us to construct custom built hose with very quick turn-around to meet your time-frame.



**TOWNLEY**

Engineering & Manufacturing Co., Inc.



*Commit your work to the LORD, and then your plans will succeed.*

*- Proverbs 16:3*

**TOWNLEY**

Engineering & Manufacturing Co., Inc.

Mail: P.O. Box 221 • Candler, FL 32111 • 10551 SE 110th St. Rd.

Phone: (800)342-9920 • Fax: (352) 687-1862

[www.townley.net](http://www.townley.net)

Made in the USA

