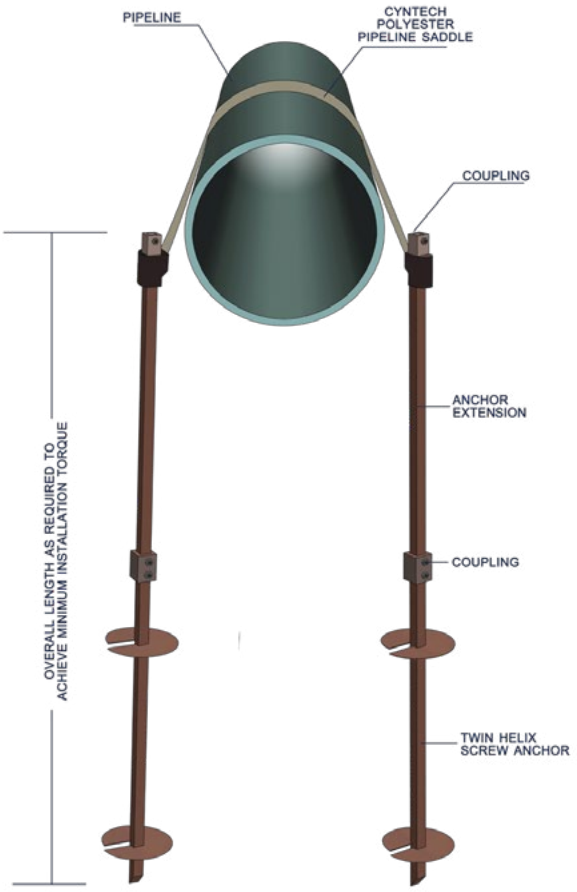
PIPELINE ANCHOR SYSTEMS

ADVANCED TECHNOLOGY FOR PIPELINE BUOYANCY CONTROL

CYNTECH
A KELLER COMPANY

ADVANCED TECHNOLOGY FOR PIPELINE BUOYANCY CONTROL



CYNTECH PIPELINE SCREW ANCHOR SYSTEM

ENGINEERED PIPELINE ANCHOR SYSTEMS

Since 1981, Cyntech has been committed to providing innovative and cost effective solutions to the energy and petro-chemical industry.

Cyntech has built a solid reputation as an industry leader in the design and manufacture of pipeline anchor systems and accessories.

Our exclusive polyester pipeline saddle provides universal contact with the pipeline while the elasticity of the polyester belt ensures that the load is shared equally between anchor points.

PROVEN PERFORMANCE

Cyntech's anchor systems have been proven under actual field conditions in numerous installations, by leading corporations in the pipeline industry.

Our advanced anchor designs, combined with our exclusive, non-corroding, low stress polyester pipe saddles, provide unparalleled performance and longevity, regardless of the installation environment.

INSTALLATION IN AUSTRALIA

INSTALLATION IN THAILAND

Because of our extensive product testing and quality control, our clients can be assured that the highest standards are maintained through all stages of design and production.

SIGNIFICANT COST SAVINGS

Cost savings of up to 80% can be achieved over traditional pipeline buoyancy control methods. Cyntech's anchor systems eliminate the need for concrete weights or concrete coated pipe to control pipeline buoyancy. Personnel and equipment hours, materials, storage and transportation costs are all reduced significantly with our exclusive anchor system.

FEATURES

- **10" to 48" Pipe Sizes**
- **Helical and Grouted Anchor Devices**
- **Compact and Lightweight**
- **Non-Corrosive Saddle Design**
- **Load Equalization Between Anchor Points**
- **Low Profile-Reduced Trench Depth**
- **Minimal Transportation Costs**
- **No Metal-on-Metal Contact with Pipe**
- **Positive Hold-Down Without Overweighting**
- **Standardized Parts and Accessories**
- **Engineering and Installation Assistance**

CYNTECH PIPELINE ANCHOR SYSTEM vs CONCRETE WEIGHTS

	PIPELINE ANCHORS	CONCRETE WEIGHTS
DESIGN	Cyntech' s anchor system is designed to provide a hold-down capacity of 2.5 times the buoyant force of the empty pipeline.	Concrete weights typically provide a weight of 1.1 times the buoyant force of the empty pipeline.
SPACING	Typical spacing for NPS-24 pipeline is 33 meters.	Typical spacing for NPS-24 pipeline is 5.6 meters.
STORAGE	Pipeline anchor materials for 10 kilometers of NPS-24 pipeline would require 30 square meters of storage space.	Concrete weights for 10 Kilometers of NPS-24 pipeline would require 866 square meters of storage space.
TRANSPORTATION	Pipeline anchor materials for 10 kilometers of NPS-24 pipeline would require 3 truckloads.	Concrete weights for 10 kilometers of NPS-24 pipeline would require 199 truckloads.
INSTALLATION	A typical anchor installation crew would consist of a 5 ton picker truck with a hydraulic drive unit, an operator and two laborers.	A typical weight installation crew would consist of a backhoe, an operator and two laborers.

FLEXIBILITY

An anchor system can be custom designed for your specific application. Cyntech will provide complete turnkey design and installation services, or our professional engineers and technicians will work with you to specify the optimum anchor system for your project. Ease of installation and superior performance features combine to make Cyntech pipeline anchor systems a solid investment.

The professional support you need…when you need it.

INSTALLATION IN NORTHERN CANADA

INSTALLATION IN RUSSIA

INSTALLED PIPELINE ANCHOR ASSEMBLY

CYNTECH
A KELLER COMPANY

CYNTECH CANADA INC.

235061 Wrangler Link SE
Calgary, Alberta, Canada T1X 0K3

Tel: (403) 228-1767
Fax: (403) 245-6632

CYNTECH US INC.

17807 Highway 105 E
Plantersville, Texas, USA 77363

info@cyntech.com

www.cyntech.com