

**ENSINGER-VEKTON**

ASK. THINK. SUCCEED.



**SAN DIEGO PLASTICS, INC.**

2220 MCKINLEY AVENUE, NATIONAL CITY, CA 91950  
619/477-4855 FAX 477-4874  
www.sdplastics.com

**INDUSTRY PROFILE**

# TECAST VEKTON™

## (Water and Wastewater Treatment)

TECAST VEKTON cast nylon offers excellent features that make it an outstanding material for bearings, bushings, rollers, sheaves, wear plates, and especially sprockets used in water and wastewater treatment equipment. Made of abrasion resistant cast nylon, TECAST VEKTON sprockets virtually eliminate problems of corrosion associated with ordinary metal sprockets. They easily withstand long term submersion and sedimentation basins and tanks—without the corrosion that destroys metal parts.

Unlike other nonmetallic materials that are supplied as an assembled fabrication, TECAST VEKTON flight sprockets feature a solid design, and the chain saver rims are cast as part of the sprocket, assuring consistent dimensions and quality. TECAST VEKTON sprockets are specially designed to ensure long life and easy replacement. TECAST VEKTON 40 and 48 tooth bull sprockets are high strength, corrosion resistant, 6 cast nylon from tooth end to base. They are less than half the weight of other nonmetallic sprockets,

which require iron hubs. This lighter weight results in reduced maintenance costs, easier handling, and less power needed to drive the sprockets.



**TECAST VEKTON  
Cast Nylon Sprockets**

- **Cost Efficient—**

TECAST VEKTON sprockets are designed to reduce friction and are 1/7 the weight of metal equivalents, which means reduced power requirements and less wear on the sprocket and chain.

- **Corrosion Free—**

TECAST VEKTON cast nylon will not corrode—even after submersion in the worst sediment.

- **Outstanding Physical Properties—**

TECAST VEKTON combines “built-in” lubricity with: high impact and shock resistance; exceptional wear, abrasion, and fatigue resistance; and a low coefficient of friction for reduced sprocket and chain wear.

***TECAST VEKTON drive system components are available in a variety of standard sizes (see back side). We welcome the opportunity to supply other sizes.***

# TECAST VEKTON™ STANDARD DRIVE SYSTEM COMPONENTS

## Flight Sprockets (for 720 chains)

13 Tooth  
17 Tooth  
19 Tooth  
23 Tooth  
25 Tooth  
Other sizes available

### Notes:

All above sprockets are available in the following configurations: plain bore (with or without static sleeve bearing), set screw, or keyway & setscrew. All sprockets are made of TECAST VEKTON 6PA black, cast 6 nylon (6PA natural on request). All hardware is 316 stainless steel unless otherwise specified.



23 Tooth Chain Saver Sprocket

## Drive System Components (for NH 78 chain)

11 Tooth Plate Sprocket  
11 Tooth Shear Pin Sprocket Assembly  
11 Tooth Shear Pin Sprocket Assembly w/trip cam  
11 Tooth Pin Clutch w/Shear Pin  
11 Tooth Pin Clutch w/Shear Pin and Trip Cam

### Chain Tensioner Assembly

40 Tooth Driven Sprocket (Bull) cast integral teeth, available offsets, 0" - 5 1/4"  
40 and 48 Tooth Drive Sprocket (Bull) segmented teeth, available offsets 4 1/2" or 6 3/8"  
Other custom sizes are available

### Notes:

All of the above sprockets are made of TECAST VEKTON 6PA black and TECAST VEKTON 6PAL oil filled cast 6 nylon. All hardware is 316 stainless steel unless otherwise specified.

Shear Pins are available; specify torque (in/lbs.)



40 Tooth Segmented Bull Sprocket

## Miscellaneous Items

Set Collars  
Nylon Carrier and Return Wear Shoes  
Nylon Wear Strips  
Stub Shafts  
Wall Brackets  
Static Sleeve Bearings

### Notes:

All of the above items are made of TECAST VEKTON 6PA black, cast 6 nylon or molded black nylon.

Set collars and static sleeve bearings are of the banded design, not notched and bolted.

Nylon wear shoes are available in several lengths and hole configurations.

Nylon wear strips must be specified.

Static sleeve bearings are made of TECAST VEKTON 6PAL oil filled cast 6 nylon.



6PAL Static Sleeve Bearing and Nylon Wear Shoes



## Division of Ensinger, Inc.

1 Main Street  
Grenloch, New Jersey 08032

**Telephone:** 800.243.3221  
856.227.0500

**FAX:** 856.232.1754

E-mail: [sales@ensinger-ind.com](mailto:sales@ensinger-ind.com)

HEADQUARTERS  
365 Meadowlands Boulevard  
Washington, Pennsylvania 15301

**Telephone:** 724.746.6050  
**FAX:** 724.746.9209

Web site: [www.shopforplastics.com](http://www.shopforplastics.com)