

ENSINGER-VEKTON

ASK. THINK. SUCCEED.



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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



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