



Spotlight

**VARDEX**

Advanced Threading Solutions



### Expanded Line of Thread Turning Solutions for the Oil and Gas Industry



### Solutions for Rotary Drill Stem Connections

Unique insert design with strengthened cutting edge and increased tool life for the following Rotary Drill stem connections:

- NC - Number Connection
- REG -Regular Style
- FH - Full Hole
- IF - Internal Flash

### Solutions for Pipes and Couplings

Vardex's advanced threading solutions for the oil and gas industry now include specialized solutions for tough and challenging applications in the following insert profiles:

- APIRD
- VAM
- Buttress
- New VAM
- Extreme Line
- Hughes H-90



## V-CAP Toolholders

NEW

Now Available for Internal & External Thread Turning Applications

### Features and Benefits

- Suited to 3/8" (16mm) sized inserts
- Polygon shaped shank
- ISO compliance with standard 26623
- For all industrial sectors

Available in sizes: C3, C4, C5, C6.  
Special sizes available upon request.



# VRX

**NEW**

Multipurpose Premium Grade

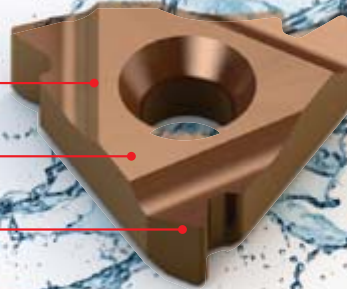
# Redefining the Threading Benchmark

New Multipurpose Thread Turning Grade for Stronger Wear Resistance and Improved Productivity

AlTiN Alloyed PVD Coating

High Oxidation Temperature

Submicron Substrate



### Features and Benefits

- AlTiN Alloyed PVD Coating
- Higher Oxidation Temperature
- Improved Adhesion to Substrate
- Improved Resistance to Plastic Deformation
- Multipurpose Grade

# TMSD

Thread Mill for Deep Holes

Newly Extended TMSD Line

- Full Profile (ISO, UN, NPT)
- TMSD Vertical



## TMSD Inserts for Full Profile

Now available as standard items

American Buttress



For Insert Sizes: 5.0L, 3/8"L, 5/8"V  
Pitch Range: 16-2.5 tpi

ISO, UN, NPT

U Style



For Insert Sizes: 5.0L, 1/4"U, 3/8"U, 1/2"U  
Pitch Range: ISO 1.0-2.0 mm; UN 18-12 tpi; NPT 18-8 tpi

L Style



**NEW**

## TMSD Vertical

**NEW**

3 flutes for more efficient machining in smaller diameter applications



Min. Thread Size: M11.5x0.5  
(1/2-28UNEF)

Weldon Shank



Tool Overhang (L1) 25-45  
Cutting Dia. (D2) 10.5-20.8  
No. of Flutes (Z) 3

Carbide Cylindrical Shank



Tool Overhang (L1) max 65  
Cutting Dia. (D2) 10.5-20.8  
No. of Flutes (Z) 3

# FLINE

Fixed Clamping System

NEW

Nickel Coated Toolholders  
**NEW**

All internal toolholders come with coolant thru

Nickel coating for better wear resistance and anti-corrosion protection

Inserts available in IC 1/2" F (13.3 mm) Standard and Multi+ styles

Anti-Rotation Stopper

Unique toolholder support suited for high loads

Reinforced anvil - Extra support for the cutting corner



Internal



External



# GEAR MILLING

For Gear, Spline & Rack Manufacturing



## Solid Carbide

**NEW**

### Solid Carbide Tool Benefits

#### Small Tool Cutting Diameter

- Excellent solution for applications that require cutting close to the shoulder
- High RPM and fast feed

#### Solid Carbide Tool

- Guarantees higher accuracy

#### Multi-flute Tool

- Enables fast machining

#### Tool Range

- Cutting Diameter Range: 5.9-19.9 mm (.17"-.75")
- Module: 0.5-2.5

## Standard Inserts for Gear Milling

**NEW**

According to Standard DIN 3972 Basic Profile I, 4 different modules are available:

- 1.0
- 1.5
- 2.0
- 2.5

For each module, there are 8 different types of inserts to select, according to the number of teeth on the gear.

Milling Cutter No.	No. of Teeth on Gear
N1	12-13
N2	14-16
N3	17-20
N4	21-25
N5	26-34
N6	35-54
N7	55-134
N8	135 and up



# MEGALINE

NEW

For Extra Large Pitches

## New Standard Line for Heavy Duty Applications with Extra Large Pitches up to 25mm or 1tpi

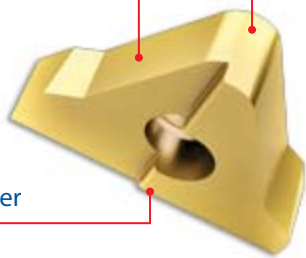
Offering a wide range of profiles for internal and external applications:

- ISO
- Round 20400
- Trapez DIN 103
- ACME
- Stub ACME
- American Buttress
- SAGE DIN 513
- Specials

Unique Design for Heavy Duty Applications

VKX - Vargus Tough Submicron Grade Inserts

Anti-Rotation Stopper



External



Internal

Up to 25mm or 1 tpi



Toolholder Support Tailored to Insert Profile

## VARGUS GENiUS™ Tool Selector and CNC Program Generator

NEW

The most popular and advanced Thread Turning and Thread Milling software on the market today



Now available in 3 Versions at [www.vargus.com](http://www.vargus.com)

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GENiUS™  
ONLINE

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GENiUS™  
setup.exe



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