

## Carbide Grades

### TIN

The TIN grade utilizes an ISO TIN carbide base grade but has the added benefit of a PVDTiN (Titanium Nitride) coating. TIN is our standard stocked grade and satisfies the greatest range of material applications. TIN should be the first choice for most applications.

### TLN

TLN grade is a TiAlN (Titanium Aluminum Nitride), PVD coated grade recommended for difficult to machine alloys having work-hardening or abrasive wear characteristics. This could improve wear life in materials such as stainless steels, nickel alloys, most cast irons as well as graphite resin composites.

### HSN

Our newest coating is a multi-layer hybrid nano coating. This new coating has very good heat resistance and high hardness. The HSN coating is designed for heat treated materials up to 72 HRc.

## Tool Selection

There are 3 critical steps required for optimizing a thread milling operation for any thread to be produced.

1. Tool Selection
2. Speed & Feed Selection
3. Preparing the CNC Program

Selecting the best tool for a given job is made easier when all information is available.

Our technical service engineers will help you with any application you are considering and will guide you through every step of the process at no charge to you.

If you wish, you can fax a request by copying the Program Request form and request a suggested tool and cycle time for any application. (See page 40 for form)

Please fill out the information along with your fax number and a recommendation will be returned to you within 24 hours.



## Carbide Grades

### TIN

The TIN grade utilizes an ISO TIN carbide base grade but has the added benefit of a PVDTiN (Titanium Nitride) coating. TIN is our standard stocked grade and satisfies the greatest range of material applications. TIN should be the first choice for most applications.

### TLN

TLN grade is a TiAlN (Titanium Aluminum Nitride), PVD coated grade recommended for difficult to machine alloys having work-hardening or abrasive wear characteristics. This could improve wear life in materials such as stainless steels, nickel alloys, most cast irons as well as graphite resin composites.

### HSN

Our newest coating is a multi-layer hybrid nano coating. This new coating has very good heat resistance and high hardness. The HSN coating is designed for heat treated materials up to 72 HRc.

## Tool Selection

There are 3 critical steps required for optimizing a thread milling operation for any thread to be produced.

1. Tool Selection
2. Speed & Feed Selection
3. Preparing the CNC Program

Selecting the best tool for a given job is made easier when all information is available.

Our technical service engineers will help you with any application you are considering and will guide you through every step of the process at no charge to you.

If you wish, you can fax a request by copying the Program Request form and request a suggested tool and cycle time for any application. (See page 40 for form)

Please fill out the information along with your fax number and a recommendation will be returned to you within 24 hours.

