

PROMOTIONS 2016

Valid now until August 31, 2016

ENDUSERS

IQ **STARTUP**

MACHINING INTELLIGENTLY

ISCAR's Winning Edge Machining Innovations

SUMOCHAMIQ
CHAMDRILL LINE



Self
CENTERING

Excellent
Cylindricity and
Superb Surface Finish!

FEEDMILL



New Cutters
Carrying Square
Single-Sided Inserts

MULTI-MASTER
INDEXABLE SOLID CARBIDE LINE



Endmills with
Indexable Solid
Carbide Heads



DECAIQ THREAD
ECO THREAD



The Ultimate Solution
for Economic Thread
Turning

Machining Intelligently
ISCAR HIGH Q LINES

Member IMC Group
iscar
www.iscarmetals.com

HELITANG T490-11

ISCAR's **HELITANG T490 line** was expanded by adding the **T490 LNMT 1106PNTR** insert size to the current **8, 13** and **16** sizes. The new **T490 LNMT 1106PNTR** insert is an upgraded version of the existing insert. It is stronger, has an advanced versatile chipformer and enables the extended flute cutter a larger width of cut capability.

Insert Features

- Double-sided tangential insert with 4 right-hand cutting edges
- Positive rake face
- .031" corner radius
- Produces 90° shoulders
- Wiper for high surface quality
- .354" maximum depth of cut
- Utility and precision ground configurations
- For general use

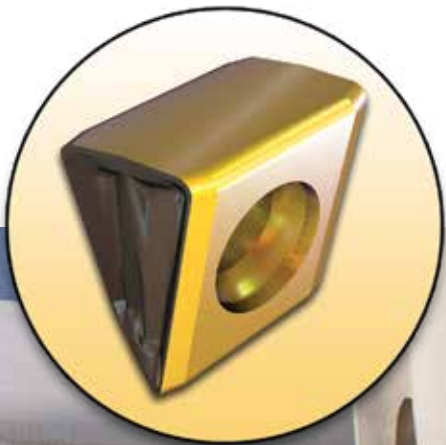
Various insert design options:

- Utility **T490 LNMT 1106PNTR** insert for general applications
- Precise peripherally ground **T490 LNHT 1106PNTR** insert for finish milling and also for machining austenitic stainless steel and high-temperature alloys
- **T490 LNMT 1106PNR-PLS** with a rake face of progressive geometry, specially designed for milling soft and gummy materials

- **T490 LNMT 1106PNTR-FW** with chip splitting cutting edge for efficient rough milling and machining in unstable conditions

Applications

- Suitable for different types of steel, stainless steel, cast iron and exotic materials
- Endmills and face mills are recommended for shouldering and slotting
- Extended flute cutters are recommended only for shouldering



Promo Code
IQ16A

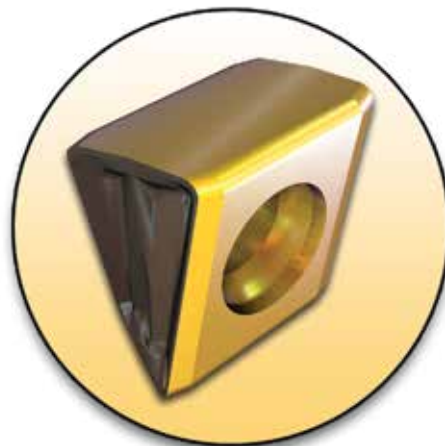
Purchase

20 T490 LNMT/LNHT 11... Inserts

Receive

1 Corresponding T490 ELN...-11
Endmill Cutter up to 1.5"

at \$30 per Inch dia.*



Promo Code
IQ16B

Purchase

40 T490 LNMT/LNHT 11... Inserts

Receive

1 Corresponding T490 FLN...-11
Face Mill Cutter up to 4"

at \$30 per Inch dia.*



Promo Code
IQ16C

Purchase

70 T490 LNMT/LNHT 11... Inserts

Receive

1 Corresponding T490 LNK...-11
Extended Flute Cutter up to 1.5"

at \$60 per Inch dia.*



Promo Code
IQ16D

Purchase

50 T490 LNMT/LNHT 11... Inserts

Receive

1 Corresponding T490 SM...-11
Extended Flute Cutter up to 2.5"

at \$60 per Inch dia.*

*** For Example:
1.5" Endmill Cutter
\$30 X 1.5" = \$45**

P290 - New 90° Shred Milling Tools

The new inserts are based on the successful original design of the .708" P290 inserts, featuring all of their principal advantages. When the new tools are used with the serrated edged **P290 ACKT 1204PDR-FW** inserts, they produce very small chips.

They are the ideal solution for machining very deep cavities as the chips can easily be removed from the machining zone and consequently deliver effective chatter dampening abilities, even when positioned at very long overhang positions.

The serrations on the P290 insert's cutting edges are designed to provide an overlapping effect between all adjacent tool pockets, providing a "fully effective" cutter configuration. Unlike other serrated edged inserts in the market, the P290 ACKT ...PDR-FW inserts do not require any special mounting instructions; they can be

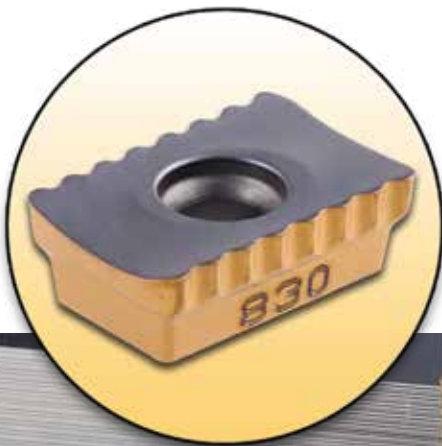
clamped on any pocket. This feature simplifies tool assembly and eliminates insert indexing errors that can cause tool destruction. The new inserts are available in the following cutting geometries:

P290 ACKT 1204PDR-FW insert with serrated cutting edges, designed for roughing operations on a wide variety of materials, including titanium.

P290 ACCT 1204PDR-TL insert with reinforced straight cutting edges, designed for rough and semi-finish milling.

P290 ACCT 1204PDR-HL insert has a standard, straight-edge for finishing cuts.

Advantages: the small diameter P290-12 tools can successfully replace HSS tools by offering much higher material removal rates and ensuring better productivity.



Promo Code
IQ16E

Purchase

20 P290 ACCT/ACKT 12... Inserts

Receive

**1 Corresponding Endmill Cutter
P290 EPW...-12, up to 1.25"**

at \$30 per Inch dia.*

Promo Code
IQ16F

Purchase

40 P290 ACCT/ACKT 12... Inserts

Receive

**1 Corresponding Face Mill Cutter
P290 FPW...-12, up to 2"**

at \$30 per Inch dia.*

Promo Code
IQ16G

Purchase

70 P290 ACCT/ACKT 12... Inserts

Receive

**1 Corresponding Extended Flute Cutter
P290 ACK...-12, up to 1.25"**

at \$60 per Inch dia.*

Promo Code
IQ16H

Purchase

50 P290 ACCT/ACKT 12... Inserts

Receive

**1 Corresponding Extended Flute Cutter
P290 SM...-12, up to 1.5"**

at \$60 per Inch dia.*



*** For Example:
1.5" Endmill Cutter
\$30 X 1.5" = \$45**

New Face Mills SOF45...-R18 with 45° Cutting Edge Angle

S845 SNMU 18 Insert Features

- Square double-sided insert
- 8 helical right-hand cutting edges for machining up to .314" D.O.C.
- Strong and durable construction, positive rake face, resulting in low power consumption and smooth cutting

ONMU 07... Insert Features

- Octagonal double-sided insert
- 16 cutting edges for machining up to .196" D.O.C.
- High durability
- A wide wiper for high surface finish
- Most economical regarding price per cutting edge

Promo Code
IQ16I

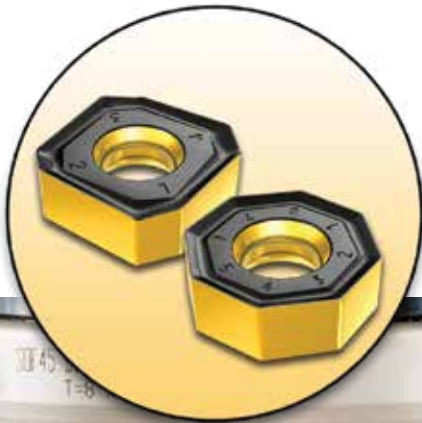
Purchase

**40 S845 SNMU/SNHU 18
or ONMU/ONHU 07... Inserts**

Receive

**1 Corresponding Face Mill Cutter
SOF45...-R18 up to 6"**

at \$40 per Inch dia.*



*** For Example:
6" Face Mill Cutter
\$40 X 6" = \$240**



New FEEDMILL Cutters Carrying Square Single-Sided Inserts

ISCAR has introduced a new family of **FEEDMILL** tools that carry square single-sided inserts with 4 cutting edges, designed for reducing cutting forces when used on low power machines or long overhang applications.

The new **FFQ4 D...-12** shell mill cutters, available in 2.00" and up to 4.00" diameters, are designed for roughing operations in the Die and Mold, general engineering and the aerospace industry.

The inserts are available with two types of cutting geometries for optimal machining of different materials: FFQ4 SOMT 12516T for steel, ferritic and martensitic stainless steel, cast iron and hardened steel. FFQ4 SOMT 12516HP for austenitic stainless steel and high temperature alloys.

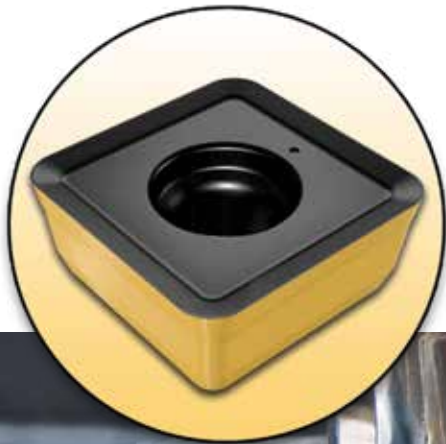
FFQ4 D...-12 Tool Features

- 9° cutting edge angle
- Positive axial rake angle
- Ramping down capability
- .122" radius for programming

- Internal coolant holes directed to each cutting edge
- Cutter body with a special protective polished coating for uninterrupted chip flow and protection from corrosion and wear

Advantages

- Covers a wide range of applications including slotting, pocketing, helical interpolation, plunging and surface sculpturing
- Suitable for machining various workpiece materials
- An optimal solution for high-efficiency roughing operations
- Excellent chip flow
- An economical solution



FEEDMILL



Purchase

40 FFQ4 SOMT 12... Inserts

Receive

**1 Corresponding Face Mill Cutter
FFQ4-12... up to 4"**

at \$30 per Inch dia.*

*** For Example:
4" Face Mill Cutter
\$30 X 4" = \$120**



Endmills with Indexable Solid Carbide Heads

- No setup time
- Carbide thread connection for quick change
- Conical and face contact for high-precision and rigidity
- Auto-balanced for high-speed machining
- One shank carries heads with different profiles
- One head can be mounted on many different shanks

Promo Code
IQ16K

Purchase

1 MULTI-MASTER Shank

Receive

**4 CORRESPONDING MULTI-MASTER
FAST FEED HEADS***

**AT 50% ADDITIONAL
DISCOUNT**

* MM FF.../EFF...



Promo Code
IQ16L

Purchase

6 MULTI-MASTER Fast Feed Heads* of Any Assortment

Receive 20% ADDITIONAL DISCOUNT



Promo Code
IQ16M

Purchase

8 MULTI-MASTER Fast Feed Heads* of Any Assortment

Receive 25% ADDITIONAL DISCOUNT

Promo Code
IQ16N

Purchase

10 MULTI-MASTER Fast Feed Heads* of Any Assortment

Receive 30% ADDITIONAL DISCOUNT

* MM FF.../EFF...



Endmills with Indexable Solid Carbide Heads

- No setup time
- Carbide thread connection for quick change
- Conical and face contact for high-precision and rigidity
- One shank carries heads with different profiles
- One head can be mounted on many different shanks



Purchase

1 MULTI-MASTER Shank

Receive

**4 CORRESPONDING MULTI-MASTER
MILL THREAD HEADS***

**AT 50% ADDITIONAL
DISCOUNT**



* MT.../MM...



Promo Code
IQ16P

Purchase

6 MULTI-MASTER Mill Thread Heads* of Any Assortment

Receive **20% ADDITIONAL DISCOUNT**

Promo Code
IQ16Q

Purchase

8 MULTI-MASTER Mill Thread Heads* of Any Assortment

Receive **25% ADDITIONAL DISCOUNT**

Promo Code
IQ16R

Purchase

10 MULTI-MASTER Mill Thread Heads* of Any Assortment

Receive **30% ADDITIONAL DISCOUNT**

* MT.../MM...



SOLID THREAD

Features

- More flutes in relation to cutting diameter, spiral flutes reduce cutting forces
- Sharp ground helical cutting edges
- Low cutting forces
- Short machining time
- Thread diameter accuracy adjustment
- Thread milling next to bottom of blind hole
- Bottom thread relief not required
- Excellent and controlled thread surface finish
- No problem with broken taps
- One tool is suitable for various thread milling profiles
- Easy and efficient machining for thread milling on CNC milling centers
- Threading of asymmetric parts
- Large variety of tool diameters

Promo Code
MILL2

Purchase

**2 Solid Carbide Mill Thread Endmills
(Standard and Short Length,
Only ISO/UN Profiles)***

**Receive 20%
ADDITIONAL DISCOUNT**



Promo Code
MILL4

Purchase

**4 Solid Carbide Mill Thread Endmills
(Standard and Short Length,
Only ISO/UN Profiles)***

**Receive 25%
ADDITIONAL DISCOUNT**



* Min. 2 pcs. of the same item



High Pressure Coolant with Parting Tools

- Reduces temperature at the cutting zone
- Improves surface finish and insert life
- High pressure coolant reduces or even eliminates built-up edge phenomenon, especially when machining stainless steel and high temperature alloys
- In grooving and parting operations, applying high pressure coolant provides excellent chipbreaking results on all materials.



Purchase

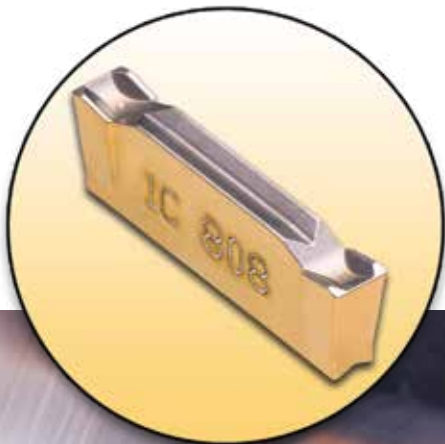
20 DO-GRIP Inserts*
and Corresponding TGTBU...JHP Block

Receive

1 Corresponding DGFH..JHP BLADE
FREE OF CHARGE



* Sizes 2/3/4/5/6 mm only



High Pressure Coolant with Parting Tools

- Reduces temperature at the cutting zone
- Improves surface finish and insert life
- High pressure coolant reduces or even eliminates built-up edge phenomenon, especially when machining stainless steel and high temperature alloys
- In grooving and parting operations, applying high pressure coolant provides excellent chipbreaking results on all materials



Purchase

**20 TAG Inserts*
and Corresponding TGTBU...JHP Block**

Receive

**1 Corresponding TGFH JHP BLADE
FREE OF CHARGE**



* Sizes 3/4/5/6 mm only



HCP-IQ SUMOCHAM Drilling Heads

ISCAR's **SUMOCHAM** drilling head options offer a new revolutionary drilling head geometry that features concave cutting edges, which substantially enhance the self-centering capability of the drill.

The new **HCP-IQ** drilling heads enable using up to 12xD long drills without the need for a pilot hole operation, and are available in .315" to 1.02" diameters, in .0039" increments.

By eliminating the need for a pilot hole, the new drilling heads shorten machining cycle time and the number of tools required for the drilling operation, thus providing substantial cost reduction.

Promo Code
IQ16U

Purchase

4 HCP-IQ SUMOCHAM DRILL HEADS*

**Receive 10%
ADDITIONAL DISCOUNT**



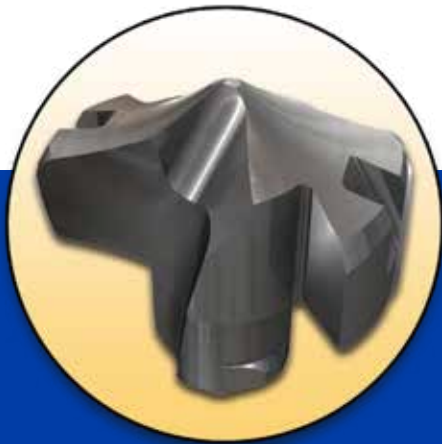
Promo Code
IQ16V

Purchase

6 HCP-IQ SUMOCHAM DRILL HEADS*

**Receive 20%
ADDITIONAL DISCOUNT**

* Of any assortment



Promo Code
IQ16W

Purchase
8 HCP-IQ SUMOCHAM DRILL HEADS*

Receive 25%
ADDITIONAL DISCOUNT

Promo Code
IQ16X

Purchase
10 HCP-IQ SUMOCHAM DRILL HEADS*

Receive 30%
ADDITIONAL DISCOUNT

* Of any assortment



Promo Code
IQ16Y

Purchase
4 DECA THREAD INSERTS

Receive
1 Corresponding Holder at 50%
ADDITIONAL DISCOUNT

Promo Code
IQ16Z

Purchase
8 DECA THREAD INSERTS

Receive
1 Corresponding Holder
FREE OF CHARGE

10 CUTTING CORNERS



DECA-KIT - The Ultimate Solution for Economic Thread Turning

ISCAR's recently introduced **DECA IQ THREAD** line of external threading tools carry inserts with **10 threading corners**. The two new promotional kits are being offered to both large and small manufactures.

Each kit contains 5 inserts featuring the most popular UN and 60° partial profile and one square shank tool. One kit with a 0.75" square shank tool, the other with a 1" square shank tool.

Content of the Kits:

3308022 - DECA-KIT-0750R-16

- 1 Piece - SER 0750 K16TT-JHP
- 1 Piece - TTG-16E-20-UN IC908
- 1 Piece - TTG-16E-24-UN IC908
- 1 Piece - TTG-16E-28-UN IC908
- 1 Piece - TTG-16E-32-UN IC908
- 1 Piece - TTG-16E-A60 IC908

3308023 - DECA-KIT-1000R-16

- 1 Piece - SER 1000 M16TT-JHP
- 1 Piece - TTG-16E-20-UN IC908
- 1 Piece - TTG-16E-24-UN IC908
- 1 Piece - TTG-16E-28-UN IC908
- 1 Piece - TTG-16E-32-UN IC908
- 1 Piece - TTG-16E-A60 IC908



Purchase 1 KIT
of the DecalQThread line
at a Special Net Price
of \$149



IQSTARTUP

MACHINING INTELLIGENTLY

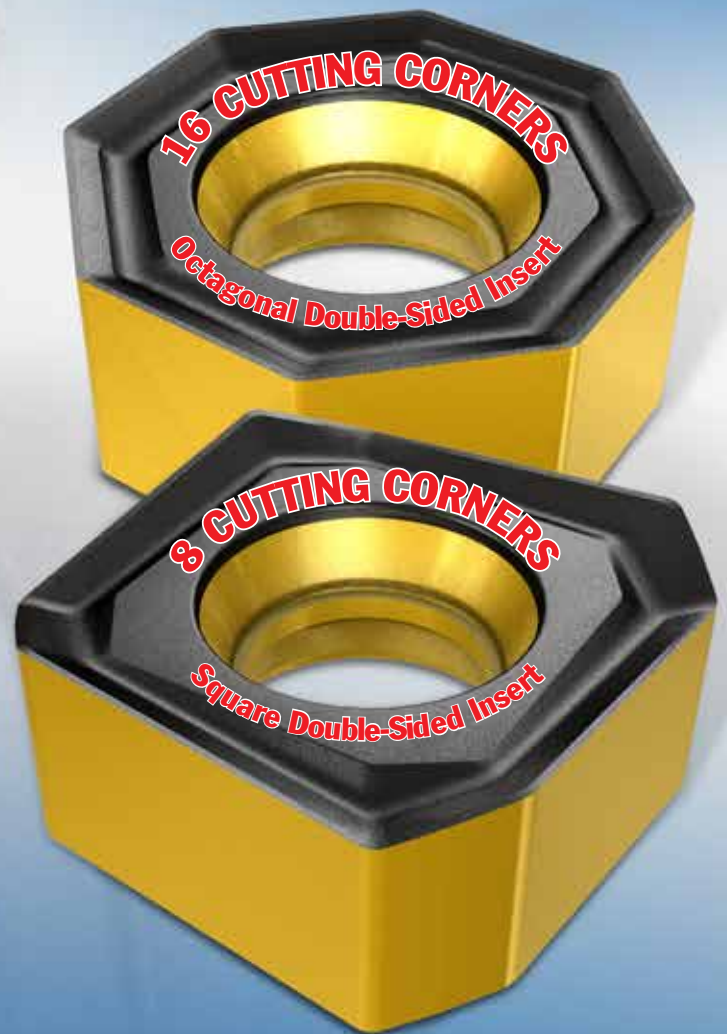
ISCAR's Winning Edge Milling Innovations

Economical Face Milling Achieved with Octagonal or Square Shaped Inserts!



HELIDO
845 LINE

Same Versatile Cutter
Fits Octagonal and
Square Inserts!



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